PRODUCT CATALOG

Home Control - Loudspeakers - General Products

CATALOG NAVIGATION

Products are grouped by category of interest.

Sections are differentiated by color coding

on the bottom right of each page.

◤ HOME CONTROL

Multi-room audio control, now with lighting and climate, plus remote access.

Page 4

◤ LOUDSPEAKERS

Architectural audio solutions where you live, work, and play.

Page 27

◤ GENERAL PRODUCTS

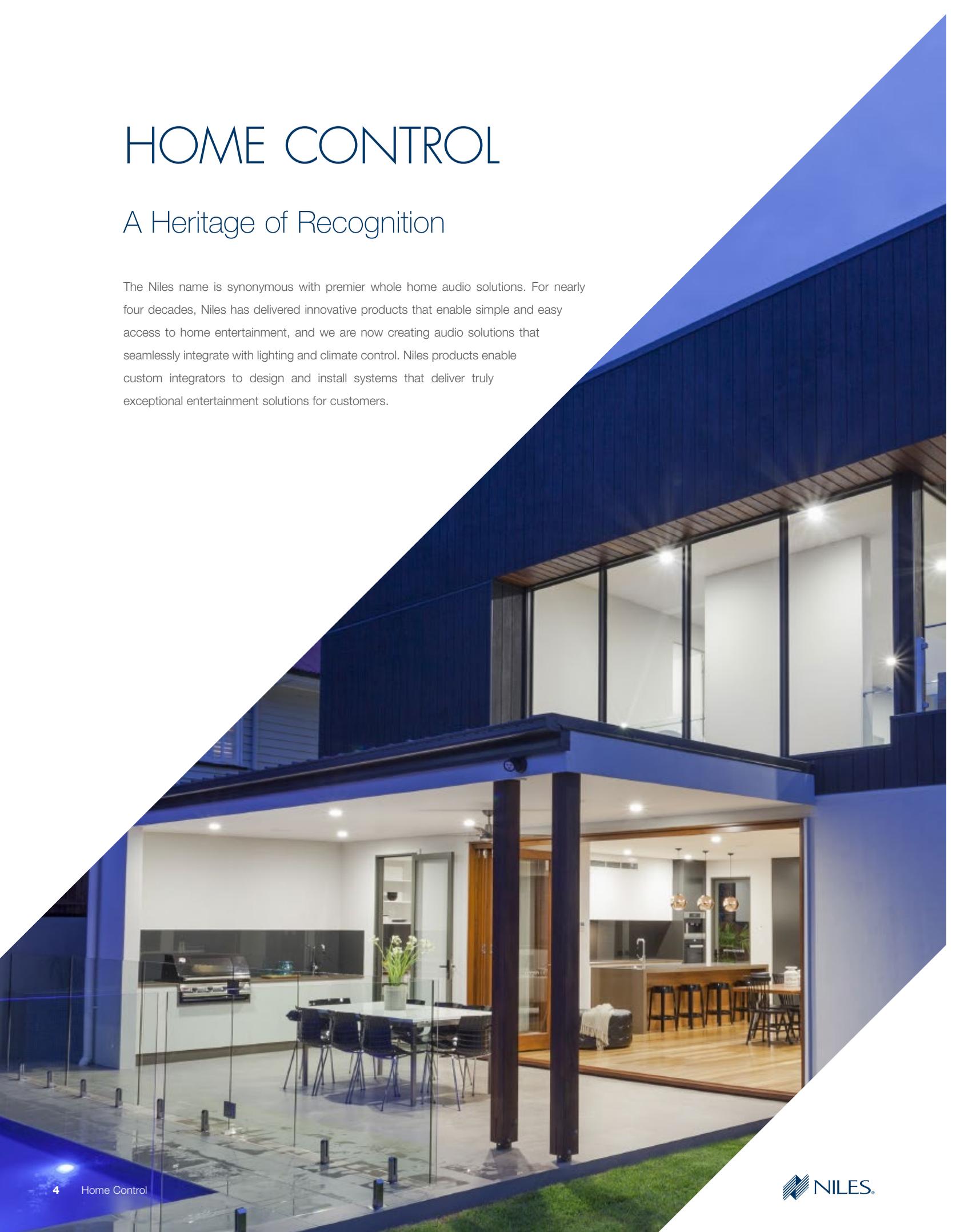Complete the connected experience here.

Page 85

NILES.

HOME CONTROL

A Heritage of Recognition

The Niles name is synonymous with premier whole home audio solutions. For nearly four decades, Niles has delivered innovative products that enable simple and easy access to home entertainment, and we are now creating audio solutions that seamlessly integrate with lighting and climate control. Niles products enable custom integrators to design and install systems that deliver truly exceptional entertainment solutions for customers.

NILES

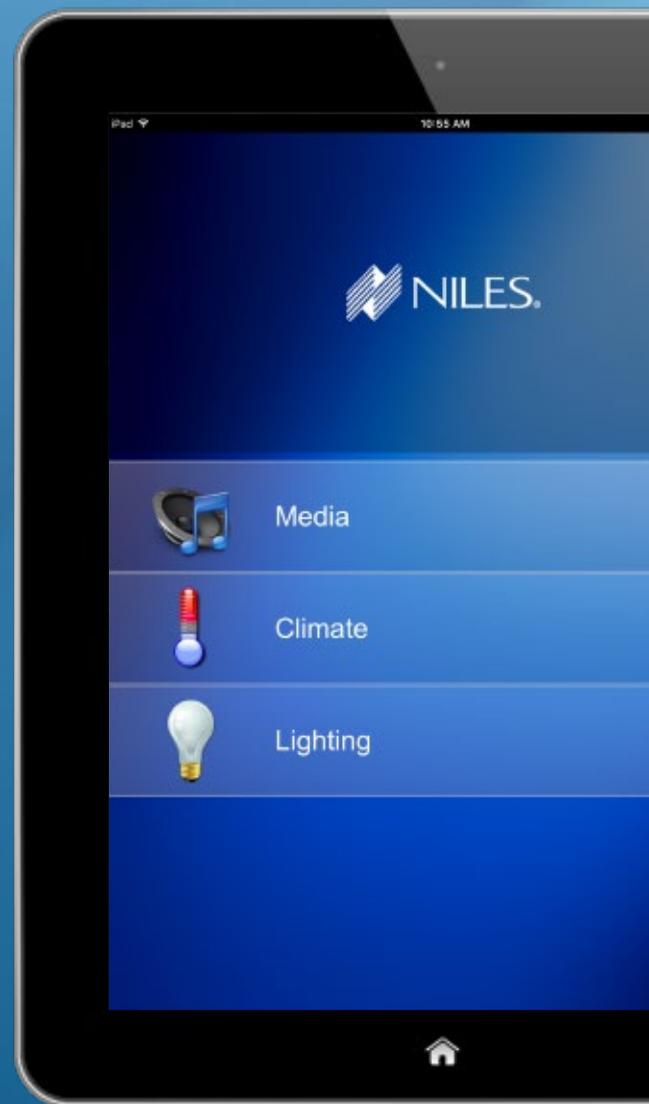**HOME CONTROL SOLUTIONS**

SYSTEMS INTEGRATION AMPLIFIERS®

One Touch
to Control.

Auriel™

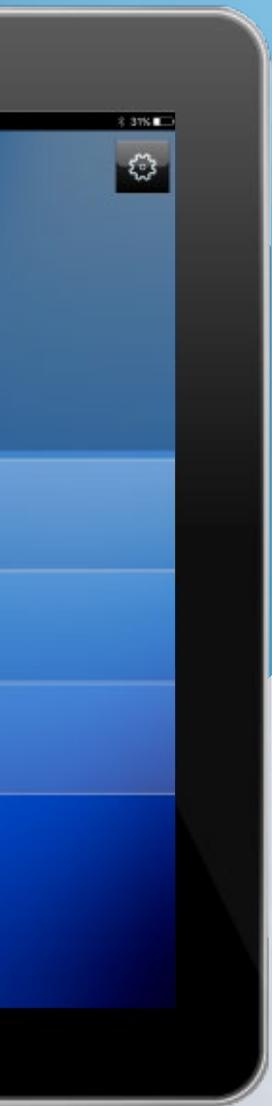Niles Auriel now adds built-in streaming audio, plus climate and lighting control to the award-winning multi-room audio platform. The result is an exceptional home control experience.

The wizard whisks you through simple decisions that quickly configure the system for lighting scenes and thermostat programming, audio sources, zone preferences, user interface customization and home theater control.

Auriel™

AT A GLANCE

• **Home Control:** Auriel now includes lighting and climate control, plus built-in streaming audio.

• **Audio Control:** Six unique zones with seven distinct input sources. The Niles Auriel MRC-6430 is the leading solution for multi-room audio integrating automation and A/V control.

• **Source Control:** Two-way metadata, IP and IR control of a variety of popular devices. Auriel includes an extensive pre-defined IR database.

• **Home Theater Control:** Manage audio and video components effortlessly and turn any home into an enviable oasis.

• **Easy Configuration:** Tablet-based configuration eliminates hours of programming and the built-in wizard easily configures user interfaces and user favorites in minutes.

• **Mobile App:** Free iOS and Android applications control the Niles Auriel MRC-6430 to queue up soothing sounds at a moment's notice.

• **Consistent UI:** Whether using a dedicated touch panel or a mobile device, the consistent UI makes it easy for users to navigate.

• **TCP/IP:** A simple backbone for control with no proprietary wiring.

Visit **www.NilesAudio.com/Auriel** to see the list of compatible devices and download all data sheets.

NILES®

Lighting, Climate and of course – Entertainment.

Get Happy.

Your streaming music favorites are built-in as Auriel's 7th audio source: Spotify, Pandora, TuneIn, Tidal and others.

Time to Chill.

Or get toasty. Set unique schedules and remotely control up to three wireless thermostats, maximizing comfort and conserving energy.

Shine a Light.

Control up to 24 lighting loads from the Niles Auriel interface. Scene control is supported for select systems, including Lutron Radio RA2® and PCS Pulseworx.

In the Zone.

Auriel's 7 sources send audio to 6 zones. Expand to 12 with a second chassis. Home theater control manages audio and video components effortlessly.

Wizard-based Set-up.

The Wizard whisks you through simple decisions that quickly configure the system, saving time on every project.

MRC-6430 MULTI-ROOM CONTROL

Transform any home into an enviable oasis.

New to Auriel: Built-in steaming audio services, climate and lighting control, plus remote access features. These are added to the already award-winning whole home audio controller. At the heart of the Auriel experience is the MRC-6430 chassis, powered by the Niles Auriel software and app. The MRC-6430 integrates multi-room audio, home theater, climate, and lighting control in a way that is as intuitive for the installer to set up as it is easy for the homeowner to enjoy. Auriel raises the bar for integrator-friendly setup. Through the Auriel Wizard and a tablet or PC, the installer is whisked through simple decisions that quickly configure the system for sources, zone preferences, user interface customization, home theater control, lighting scenes and thermostat programming. It takes only minutes to personalize the Niles Auriel for each project.

For larger homes, two MRC-6430s can be paired to create a 12-zone system. Additionally, all zones are equipped with fixed or variable pre-outs, making it easy to add power and volume with Niles Systems Integration Amplifiers. An optional Niles DBI-2 interface enables homeowners to route their doorbell through the system, which temporarily mutes music so that the doorbell can be clearly heard in every room. The updated user interface renders identically across devices and can be managed from the nHR200 handheld remote, nKP7 keypad or nTP7/nTP4 touch panels, as well as the iPhone®, iPad®, Android® phones & tablets, and Windows® or Mac® computers. Once again, Niles has redefined whole home audio.

nTP7

Kitchen

Living Room

nHR200

nTP4

nKP7

Pool & Patio

Bedroom

The Auriel ecosystem:
Simple, elegant audio, climate and lighting control.

Use with your
favorite tablet.

nTP7, nTP4 touch panels.
Available in white or black.

nKP7
Keypad

nHR200
Remote Control

Get your App:
www.NilesAudio.com/Auriel

Auriel™

MRC-6430

Seven-Source, Six-Zone

Multi-Room Audio Control for
the Next-Gen Home Installation

Model	Stock Number
MRC-6430	MRC-6430

Two power cords on all units
(110V & 240V)

2 Years
Part & Labor
WARRANTY

Get your App:
www.NilesAudio.com/Auriel

Compatible with:

iOS   Android

Windows   Mac

INCLUDED IN BOX

(1) MRC-6430
(1) US IEC power cord
(1) EU IEC power cord

FEATURES

- **Seven-Source, Six-Zone Multi-Room Controller:** The Niles Auriel MRC-6430 independently distributes up to seven audio sources (including one internal stream) to up to six zones.
- **Source Control:** Two-way metadata, IP and IR control of a variety of popular devices.
  Auriel includes an extensive pre-defined IR database.
- **Home Theater Control:** Manage audio and video components using handheld remote or mobile devices.
- **Easy Configuration:** Tablet-based configuration eliminates hours of programming and built-in Wizard easily configures user interfaces and user favorites in minutes.
- **Niles Interfaces:** Provide a superior user experience with Niles remote, touch panel and keypads
- **Mobile App:** iOS and Android applications control the Niles Auriel MRC-6430. (Free Download)
- **Best-in-Class Software Platform:** Niles Auriel software platform scales for feature expansion.
- **TCP/IP:** A simple backbone for control with no proprietary wiring.
- **Meta Data:** When connected to compatible devices, Niles Auriel delivers metadata to the industry's widest selection of user interfaces.
- **Expandable to 12 Zones:** Simply add another Niles Auriel MRC-6430 Controller to create a system with twelve zones.
- **8-CH High-Performance Digital Amplifier:** The advanced digital amplifiers deliver 30 watts per channel to each zone. Low impedance capability (4Ω stable) provides speaker connection flexibility and outstanding sound quality.
- **Pre-Out Connections:** If you need more power, each zone features connections for high powered amplifiers along with 2 unique pre-out only zones
- **Wide Selection of User Interfaces:** Compatible with Niles handheld and wall mounted user interfaces as well as Windows®- and Mac®- based computers and mobile devices.
- **System-Wide Audio Doorbell:** When used with the Niles DBI-2 (Not included. See General Products page 23), the Niles Auriel MRC-6430 automatically mutes the audio and plays doorbell chimes through the system's loudspeakers.
- **Extensive IR Code Library:** Built into the controller and updated through the cloud. No IR learning required.
- **System Configuration:** Via tablet, Windows or Mac based computers for quick and intuitive system set up.
- **Custom Tailored Sound:** Independent bass, treble, and loudness controls enable the customization of each zone to optimize performance.
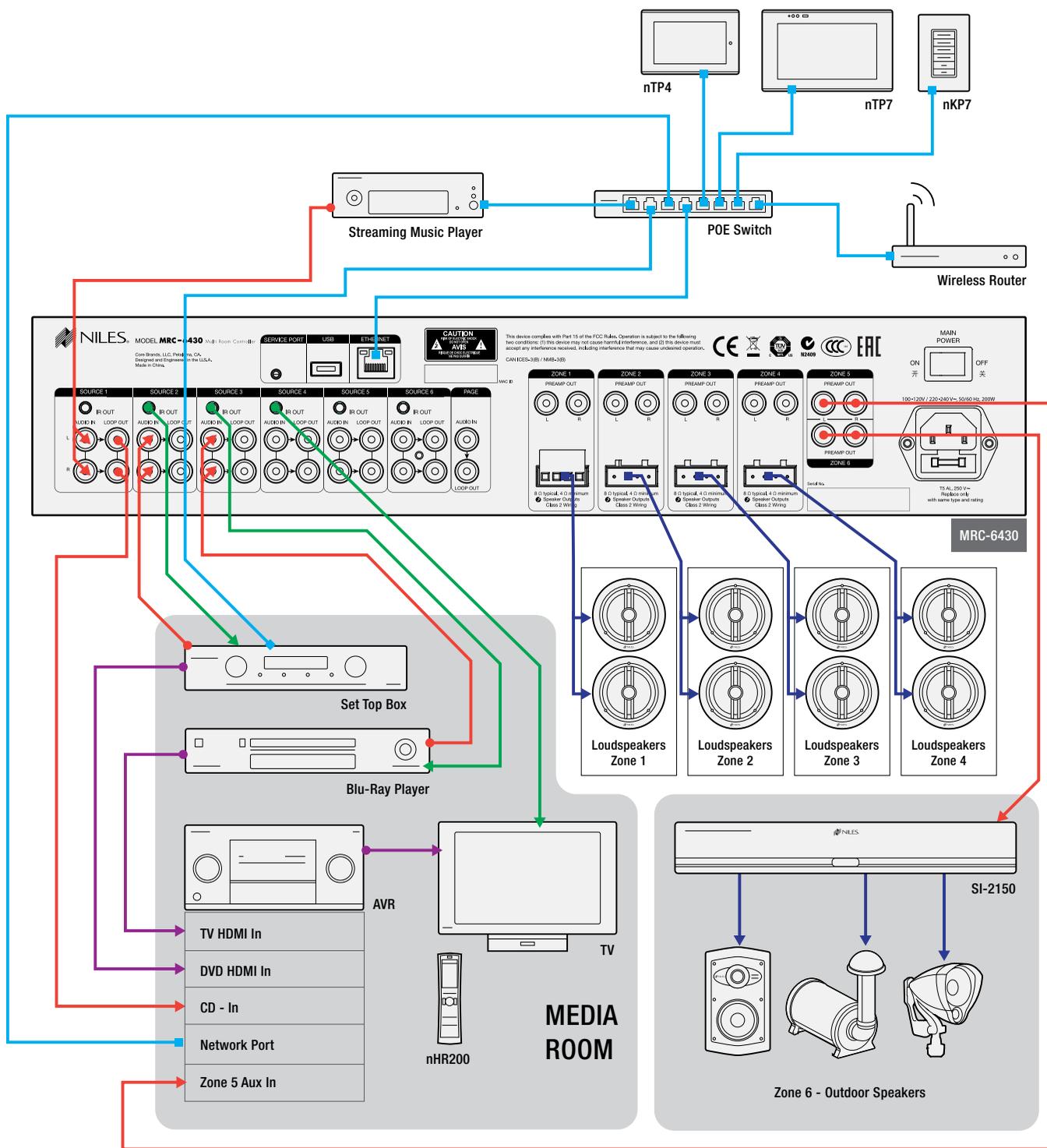
SPECIFICATIONS

- Dimensions: 17 1/4"W x 4 15/16"H x 12 7/8"D with feet (437 x 100 x 328 mm)
- Rackmount dimensions: 17 1/4"W x 3 1/2"H (2U) x 12 7/8"D without feet (437 x 88 x 328 mm)
- Weight: 18 lbs. (8,6 kg)
- Power Supply: 100-120 / 220-240 V~, 50 / 60 Hz
- Fuse Rating: T5 AL, 250 V~
- Power Consumption 200 W
- Amplifier Power Output: 30 watts/ch @ 8Ω / 45 watts/ch @ 4Ω
- THD: <0.10%, 1 watt output into 8Ω
- Signal to Noise Ratio: >100db, 20Hz-20kHz unweighted
- Audio Source Inputs: 6 – analog, RCA connectors
- Audio Zone Outputs: 6 – 4 Amp + Preamp, 2 Preamp Only
- Speaker Connections: (4) detachable, (4) pole terminals
- IR Outputs: 6 routable
- Ethernet: 1 RJ-45 10/100 BaseT
- USB: 1 Type-A
- **Warranty: Two years parts & labor**

Shipping weight: 18 lb. (8,6 kg)

With tablet & phone control

NILES®

nTP4

nTP7   nKP7

POE Switch

Streaming Music Player

Wireless Router

MODEL **MRC-6430** Multi Room Controller

SERVICE PORT   USB   ETHERNET

Core Brands, LLC, Petaluma, CA.
Designed and Engineered in the U.S.A.
Made in China.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
AVIS
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR

This device complies with Part 15 of the FCC Rules. Operation is subject to the following
two conditions: (1) this device may not cause harmful interference, and (2) this device must
accept any interference received, including interference that may cause undesired operation.

CAN ICES-3(B) / NMB-3(B)

MAIN
POWER

ON   OFF
开   关

MRC ID

SOURCE 1   SOURCE 2   SOURCE 3   SOURCE 4   SOURCE 5   SOURCE 6   PAGE

IR OUT   IR OUT   IR OUT   IR OUT   IR OUT   IR OUT

AUDIO IN   LOOP OUT

L

R

AUDIO IN

LOOP OUT

ZONE 1   ZONE 2   ZONE 3   ZONE 4   ZONE 5
PREAMP OUT   PREAMP OUT   PREAMP OUT   PREAMP OUT   PREAMP OUT

L   R

PREAMP OUT
ZONE 6

100-120V / 220-240V~, 50/60 Hz, 200W

T5 AL, 250 V~
Replace only
with same type and rating

Serial No.

8 Ω typical, 4 Ω minimum
Speaker Outputs
Class 2 Wiring

MRC-6430

Set Top Box

Blu-Ray Player

Loudspeakers
Zone 1

Loudspeakers
Zone 2

Loudspeakers
Zone 3

Loudspeakers
Zone 4

AVR

TV HDMI In

DVD HDMI In

CD - In

Network Port

Zone 5 Aux In

TV

nHR200

**MEDIA
ROOM**

SI-2150

Zone 6 - Outdoor Speakers

Auriel™

nTP7

Wall-Mount Touchscreen

Niles Auriel Control System
for the Next-Gen Home Installation

Available in 2 colors:

white
black

Model	Item Number
nTP7W white	nTP7W
nTP7B black	nTP7B

Warranty: Two years parts & labor
Shipping weight: 2.61 lb. (1.18 kg)

2 Years
Part & Labor
WARRANTY

FEATURES

- 7" diagonal viewable area LCD touchscreen interface
- Contemporary, sleek design to match any interior
- Edge to edge glass
- High sensitive touchscreen
- Proximity sensor to wake from sleep without touching as hand approaches
- Mounts into drywall, brick, stone, plaster, wood using a standard 2g U.S. junction box
- Portrait or landscape mounting
- Single wire connection with PoE
- Wi-Fi support
- Plug and play operation with Niles Auriel Software
- Locally powered (optional power supply required)
- Available in White or Black bezel
- One touch to music with the Auriel 7 button flyout

SPECIFICATIONS

- Dimensions: Overall 8" wide x 5" height, mounting depth 1.75"
- Screen: size 7-inch diagonal, 16:9 widescreen
- Resolution: 800W x 480H
- Microphone: Dual Digital Beam Forming for Field Pickup
- Speaker: 2W integrated
- Camera: 640W x 480H
- Network: 10/100 Ethernet / 802.11 B/G/N WiFi
- 2g (US) back box required

CONNECTIONS

- Type: LAN/PoE: RJ-45
- USB: USB Type A (Future use)
- Audio Out: 1/8" stereo mini (Future Use)

POWER REQUIREMENTS

- PoE (Power over Ethernet) EEE 802.3at, 13w maximum draw (@48 V⎓270 mA max)
- Direct: 12 V⎓, 1 A. Phoenix 2 pin screw terminal connector

INCLUDED IN BOX

(1) nTP7
(1) Mounting plate
(4) Mounting screws

NILES®

nTP4

Wall-Mount Touchscreen

Niles Auriel Control System
for the Next-Gen Home Installation

Available in 2 colors:

white
black

Model	Item Number
nTP4W white	nTP4W
nTP4B black	nTP4B

Warranty: Two years parts & labor
Shipping weight: 0.71 lb. (0.32 kg)

2 Years
Part & Labor
WARRANTY

FEATURES

- 4.7" diagonal viewable area LCD touchscreen interface
- Contemporary, sleek industrial design
- Edge to edge glass
- Capacitive sense touchscreen
- Proximity sensor to wake from sleep without touching as hand approaches
- Supports TCP/IP communication
- Mounts into drywall, brick, stone, plaster, and wood, using a standard 1g US or UK junction box
- Portrait or landscape mounting
- Plug and play operation with Niles Auriel Software
- Locally powered (optional)
- Available in white and black bezel
- One touch to music with the Auriel 7 button flyout

SPECIFICATIONS

- Dimensions: Overall 3.2" wide x 5.2" height, mounting depth 0.8"
- Screen: 4.7-inch diagonal, 16:9 widescreen
- Resolution: 540 x 960
- Microphone: Single Digital, Near Field Pickup
- Speaker: 1W integrated
- Network: 10/100/1000 Ethernet
- 2g (US) back box required

CONNECTIONS

- Type: LAN/PoE: RJ-45
- USB: Micro AB
- Audio Out: 1/8" stereo mini (Future Use)

POWER REQUIREMENTS

- IEEE 802.3at, (power over Ethernet) 13W maximum draw (@48V 270 mA max)
- 9-12V 2A maximum

INCLUDED IN BOX

(1) nTP4
(1) Mounting plate
(4) Mounting screws

Auriel™

nKP7

7-Button Keypad

Niles Auriel Control System
for the Next-Gen Home Installation

ships in white only

Model	Stock Number
nKP7BK-B	nKP7BK-B
nKP7BKLA	nKP7BK-LA

Optional color change kits:

black

Light Almond

Comes in white with optional
black or light almond bezel kit

Warranty: Two years parts & labor
Shipping weight: 0.5 lb. (0.23 kg)

2 Years
Part & Labor
WARRANTY

FEATURES

■ 7-button backlit keypad
■ Four favorite channels plus volume up and down control, local & all zones off
■ POE for single wire hookup
■ No programming required – plug and play operation with Niles Auriel Software
■ Custom engraveable buttons
■ Gangable with any decorator format devices
■ Comes in white with optional black or light almond bezel button kit
■ One touch to music
■ **NOTE:** Decorator trim plate not included

SPECIFICATIONS

■ Dimensions: 4.12" x 1.75" x 1.24"
■ Mounting Depth: 1.75"
■ Button type:
  • Contact type buttons
  • 5 individually capped
  • 2 shared for rocker capping
  • 5 individually controlled white LEDs for backlighting
  • 2 shared control white LEDs for backlighting
  • 10/100/1000 Ethernet
■ Connections: LAN/ PoE RJ-45
■ Power Requirements: PoE (Power over Ethernet) EEE 802.3at, 13w maximum draw (@44 V⎓350mA max)

INCLUDED IN BOX

(1) nKP7 single gang keypad with white Favorite 1- 4, Off and ∨ ∧ buttons installed

(2) Mounting screws, (1) Quick Install Guide, (1) Alternate button pack

AVAILABLE SEPARATELY

nKP7BK-LA – Light Almond color change kit

nKP7BK-B – Black color change kit

Custom Engraved Buttons: visit www.NilesAudio.com/engraving

NILES®

nHR200

Handheld Remote Control

Home Theater & Multizone wireless control for the MRC-6430

Model	Item Number
nHR200	nHR200

Warranty: Two years parts & labor
Shipping Weight 2.3 lb./1.04kg

2 Years
Part & Labor
WARRANTY

FEATURES

- All the speed, response & graphics of a touchscreen
- Controls AV sources with metadata feedback for supported devices
- Plug and play operation with Niles Auriel Software
- 46 backlit tactile buttons for common functions found on today's audio/video sources
- 2.4" LCD display
- Accelerometer for activating LCD and backlight
- Slim profile for ease of use and comfort
- Uses instant-on Wi-Fi for communication
- IR blaster for line-of-sight control
- Ships standard with battery, charging base, power supply, and USB Cable

SPECIFICATIONS

- Screen Size: 2.4" diagonal
- Viewing angle: 140°up/down/left/right
- Operating Temperature: 32°F-104°F / 0°C-40°C

LCD DISPLAY

- Type: 18 bit, 2.4" Active Matrix LCD
- Colors: 262K
- Resolution: 240 W x 320 H

CONNECTIONS

- Download: Port: Mini USB
- Power Requirements: 16vdC/1.87A
- Dimensions – Cradle: (in.) 2-1/4 W x 9-1/8 h x 7/8 d (mm) 57 W x 232 H x 23 D
- Product Weight: 6.9 oz./0.19kg
- Charging Cradle Weight: 6.7 oz./0.18kg

INCLUDED IN BOX

(1) nHR200
(1) Charging base
(1) Power transformer
(1) Quick Access Instructions
(1) Programming cable
(1) Rechargeable battery pre-installed

SYSTEMS INTEGRATION AMPLIFIERS

Power, Stability &
Installation Friendly Features

Niles Systems Integration Amplifiers® are renowned for delivering superb sound and reliability along with feature sets that are tailored to the needs of the custom installer. This powerful line consists of a 16-channel, 12-channel and three 2-channel models—covering the gamut of configurations, power requirements and price points. With installer-friendly features including new web-browser configuration, high output/bridgeable mode, and a BusMatrix Selector™, the line offers capabilities to allow installers to adapt to any installation. By including features like multi-speaker stability, multiple turn-on modes, and independent level controls. From a single zone or an entire home, there's a Niles Systems Integration Amplifier for the job.

FEATURES

WEB BASED IP CONFIGURATION

The SI-1650's Web browser configuration tool allows you to assign any of the 16 inputs or combination of inputs to any channel output for ultimate control. The configuration tool also gives you precise line level audio controls, output presets, selectable high output modes; any stereo pair to a single 100W high power channel (8ch, 100W per/ch) and selectable high pass and low pass filter for use with subwoofers. Additionally you can save your settings to use on your next installation, saving you time and money every time you install one.

FREEDOM FROM NOISE AND CROSS-TALK

Niles incorporates advanced PCB construction ensuring extremely high channel to channel isolation. Signal to noise ratios and cross-talk are equivalent to a professional mixing board found in a recording studio.

THE BUSMATRIX® SELECTOR

Each channel has a selection of four options: left bus, right bus, left plus right bus (summed stereo), or the channel's dedicated input . The BusMatrix Selector is now configurable via a web browser in the SI-1650.

MULTIPLE TURN-ON MODES

Three turn-on modes provide both reliability and flexibility when configuring the amplifier to power on and off. They include music sense, voltage trigger and manual mode.

CURRENT FOR REACTIVE LOADS

The high current design of the Niles System Integration Amplifiers assures that even unusual and reactive loads are handled with ease.

INDEPENDENT LEVEL CONTROLS

Installer-adjustable level controls for every channel are provided.

CHANNEL BRIDGING

Increase output power for demanding loads and high-sound-pressure levels.

TRANSPARENT SOUND

The audio circuitry of the Niles System Integration Amplifiers is constructed using the finest parts available; including 1% metal film resistors, high quality capacitors, and oversized heat sinks. All this attention to technical detail creates a sound that is clear and uncolored with phenomenal imaging.

16-CHANNEL

SI-1650

12-CHANNEL

SI-1230
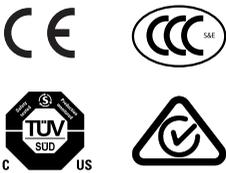Series 2

2-CHANNEL

SI-2150

SI-2100

SI-250

SI-1650

16-Channel, TCP/IP, Fully Configurable Power Amplifier; 16 x 50 Watts

Model	Stock Number
SI-1650	FG01705

INCLUDED IN BOX

(1) SI-1650

(1) US IEC power cord

(2) Rack Mount Ears

FEATURES

- Fully configurable 16-Channel amplifier
- 50 watts RMS per channel into 8 Ohms
- 100 watts RMS per channel into 4 Ohms
- High power mode configuration of channel pairs to create up to 8 channels x 100 Watt RMS into 8 Ohms
- Unique web browser configuration allows each channel to select from any of 16 inputs or combination of inputs
- IP web-based configurable EQ adjustment, volume level and high/low pass selection
- IP web-based configurable BusMatrix™ selector allows each channel to select from 4 options: left bus, right bus, left plus right bus (summed stereo), or the channel's dedicated input
- Three turn-on modes: music sense, voltage trigger, and manual
- Audio circuitry constructed with the finest parts available, including 1% metal film resistors, high quality capacitors and oversized heat sinks for clear and uncolored sound
- Independent thermal and short circuit protection on each channel
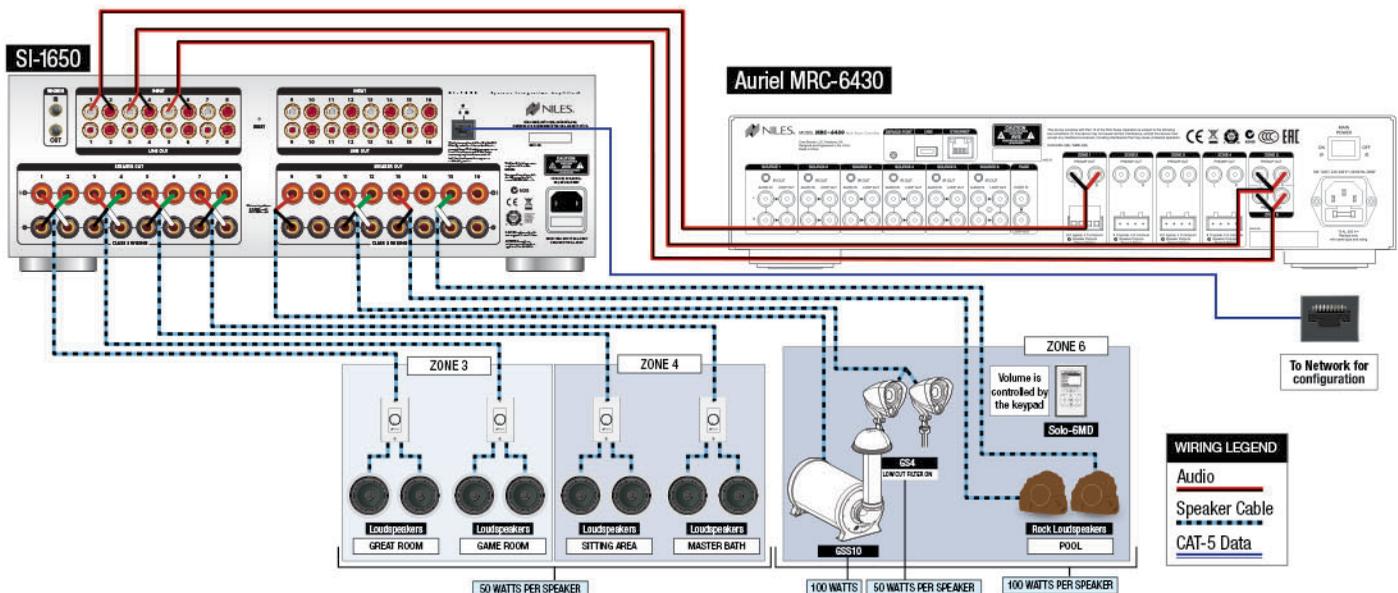- Status display for troubleshooting

SPECIFICATIONS

- Voltage trigger input accepts 3-24VAC/DC
- 12-volt control out
- Removable line cord
- Two year limited warranty
- Conforms to UL/CSA 60065
- Overall dimensions:
    17.25" (43.81cm) wide
    5.75" (14.47cm) high (including feet)
    16.25" (41.11cm) deep
- 3U Rack mount without feet
- Weight: 35 lb. (15.8 kg)

Warranty: Two-year limited

Shipping weight: 41.75 lb. (18.9 kg)

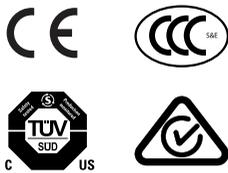**APPLICATION**   **MUSIC EVERYWHERE WITH A MULTIZONE RECEIVER AND A HIGH-POWER 16-CHANNEL AMPLIFIER**

NILES

SI-1230 SERIES 2

12-Channel, Fully Configurable Power Amplifier; 12 x 30 Watts

Model	Stock Number
SI-1230	FG01704

INCLUDED IN BOX

(1) SI-1230 Series 2
(1) US IEC power cord
(2) Rack Mount Ears

FEATURES

■ All channels are stable into low-impedance loads (4 ohms)

■ Fully configurable 12-Channel amplifier

■ 30 watts RMS per channel into 8 Ohms (all channels driven)

■ 40 watts RMS per channel into 4 Ohms (all channels driven)

■ Adjacent channels are bridgable to 80 watts RMS into 8 Ohms (all channels driven)

■ Unique BusMatrix™ selector allows each channel to select from 4 options: left bus, right bus, left plus right bus (summed stereo), or the channel's dedicated input

■ Three turn-on modes: music sense, voltage trigger, and manual

■ Audio circuitry constructed with the finest parts available, including 1% metal film resistors, high quality capacitors and oversized heat sinks for clear and uncolored sound

■ Independent level controls for all 12 channels
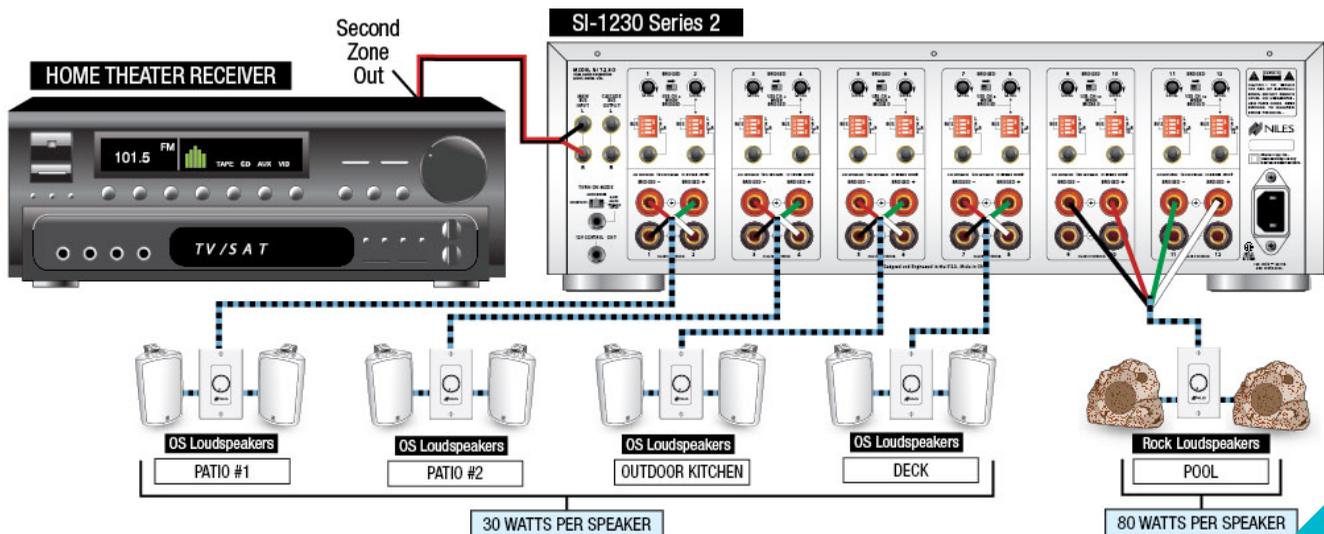
■ Status display for troubleshooting

SPECIFICATIONS

■ Voltage trigger input accepts 3-24VAC/DC

■ 12-volt control out

■ Removable line cord

■ Two year limited warranty

■ Conforms to UL/CSA 60065

■ Overall dimensions:
  17.25" (43.81cm) wide
  5.75" (14.47cm) high (including feet)
  16.25" (41.11cm) deep

■ 3U Rack mount without feet

■ Weight: 35 lb. (15.8 kg)

Warranty: Two-year limited
Shipping weight: 41.75 lb. (18.9 kg)

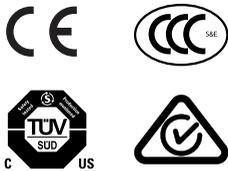**APPLICATION** | **MUSIC OUTDOORS IN MULTIPLE AREAS WITH A 12-CHANNEL AMPLIFIER**

SI-2150

**2-Channel, Bridgeable Power Amplifier;
2 x 150 Watts**

Model	Stock Number
SI-2150	FG01703

INCLUDED IN BOX

(1) SI-2150

(1) US IEC power cord

(2) Rack Mount Ears

FEATURES

■ Digital, high current bridgeable stereo amplifier

■ 150 watts RMS per channel into 8 Ohms (all channels driven)

■ 270 watts RMS per channel into 4 Ohms (all channels driven)

■ Channels are bridgeable to 550 watts RMS into 8 Ohms

■ Three turn-on modes: music sense, voltage trigger, and manual

■ Voltage trigger input accepts 3-24VAC/DC

■ Audio circuitry constructed with the finest parts available, including 1% metal film resistors, high quality capacitors and oversized heat sinks for clear and uncolored sound
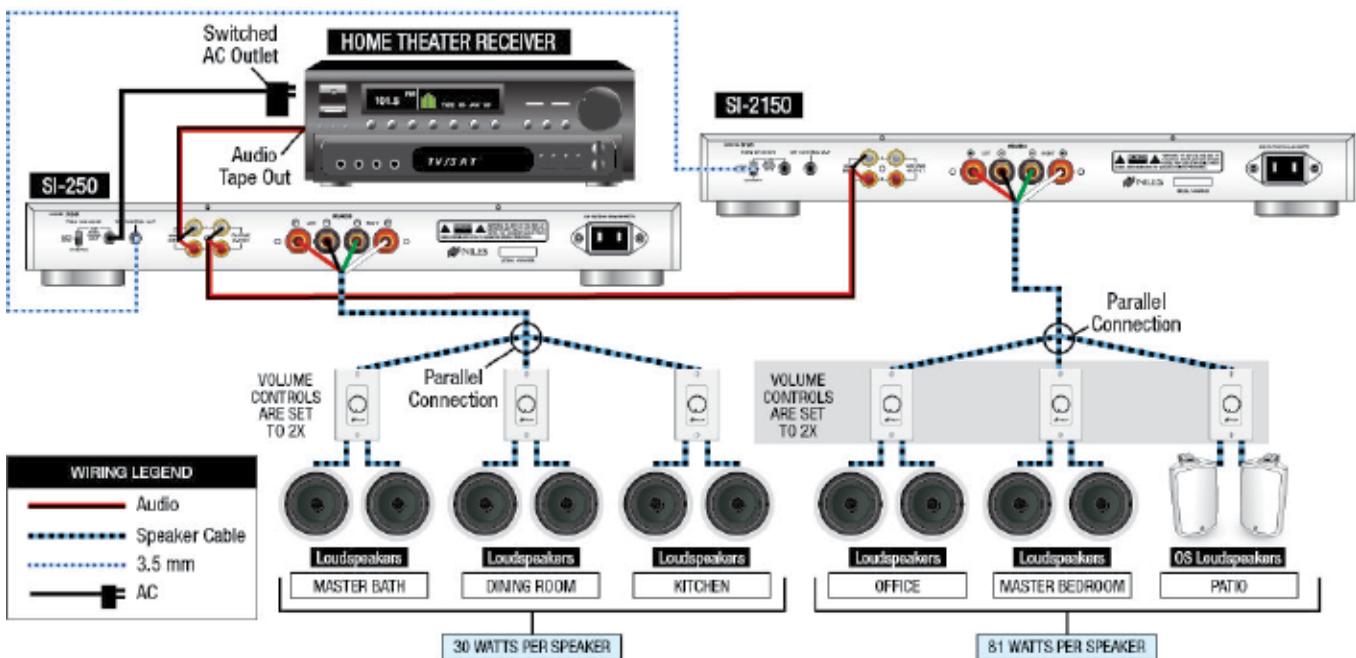
■ Independent level controls

SPECIFICATIONS

■ Voltage trigger input accepts 3-24 VAC/DC

■ 12-volt control out

■ Removable line cord

■ Two year limited warranty

■ Conforms to UL/CSA 60065

■ Overall dimensions:
17 ¼" (43.81 cm) wide
2 ¼" (5.6 cm) high (including feet)
13 ½" (34.35 cm) deep

■ 1U Rack mount without feet

■ Weight: 10.8 lb. (4.9 kg)

Warranty: Two-year limited

Shipping weight: 13.95 lb. (6.3 kg)

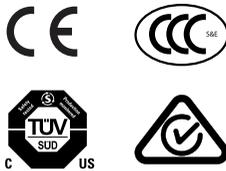**APPLICATION** | **CASCADE TO INCREASE POWER IN CRITICAL AREAS**

NILES

SI-2100

**2-Channel, Bridgeable Power Amplifier;
2 x 100 Watts**

Model	Stock Number
SI-2100	FG01702

INCLUDED IN BOX

(1) SI-2100
(1) US IEC power cord
(2) Rack Mount Ears

FEATURES

- Digital, high current bridgeable stereo amplifier
- 100 watts RMS per channel into 8 Ohms (all channels driven)
- 220 watts RMS per channel into 4 Ohms (all channels driven)
- Channels are bridgeable to 400 watts RMS into 8 Ohms
- Three turn-on modes: music sense, voltage trigger, and manual
- Voltage trigger input accepts 3-24VAC/DC
- Audio circuitry constructed with the finest parts available, including 1% metal film resistors, high quality capacitors and oversized heat sinks for clear and uncolored sound
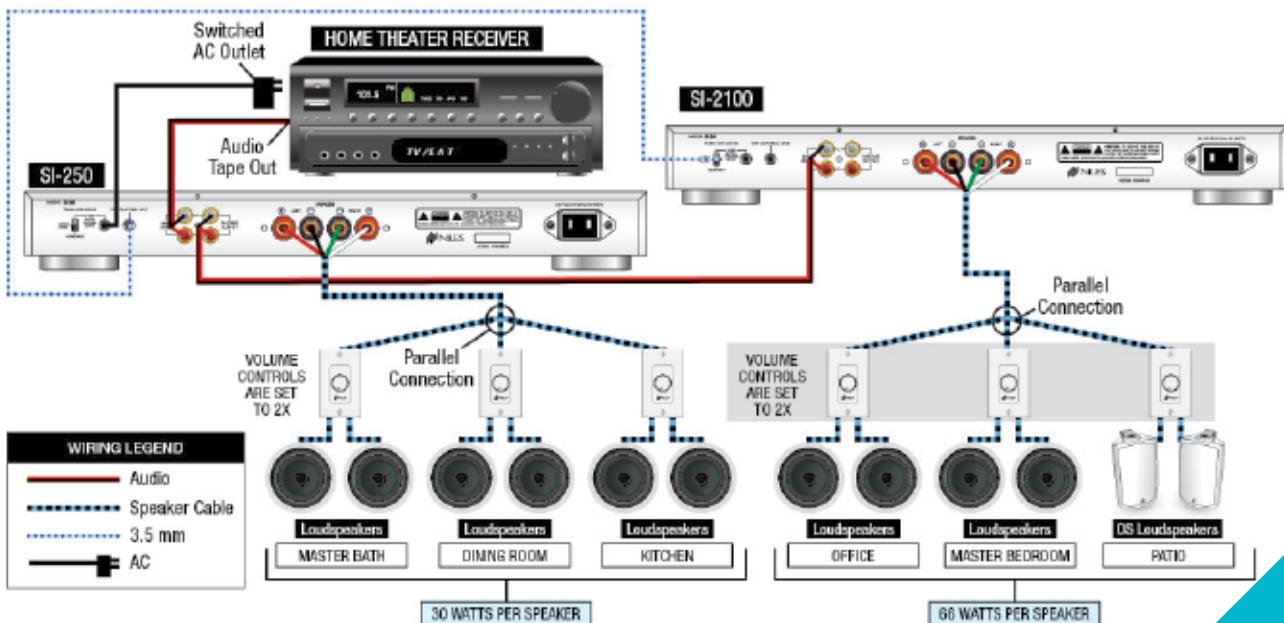- Independent level controls

SPECIFICATIONS

- Voltage trigger input accepts 3-24 VAC/DC
- 12-volt control out
- Removable line cord
- Two year limited warranty
- Conforms to UL/CSA 60065
- Overall dimensions:
  17 ¼" (43.81 cm) wide
  2 ¼" (5.6 cm) high (including feet)
  13 ½" (34.35 cm) deep
- 1U Rack mount without feet
- Weight: 10.8 lb. (4.9 kg)

Warranty: Two-year limited
Shipping weight: 14 lb. (6.33 kg)

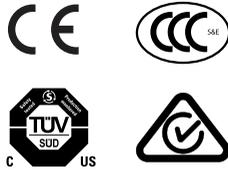**APPLICATION**   **CASCADE TO INCREASE POWER IN CRITICAL AREAS**

SI-250

**2-Channel, Bridgeable Power Amplifier;
2 x 50 Watts**

Model	Stock Number
SI-250	FG01701

INCLUDED IN BOX

(1) SI-250
(1) US IEC power cord
(2) Rack Mount Ears

FEATURES

- Digital, high current bridgeable stereo amplifier
- 50 watts RMS per channel into 8 Ohms (all channels driven)
- 100 watts RMS per channel into 4 Ohms (all channels driven)
- Channels are bridgeable to 225 watts RMS into 8 Ohms
- Three turn-on modes: music sense, voltage trigger, and manual
- Voltage trigger input accepts 3-24VAC/DC
- Audio circuitry constructed with the finest parts available, including 1% metal film resistors, high quality capacitors and oversized heat sinks for clear and uncolored sound
- Independent level controls

SPECIFICATIONS

- Voltage trigger input accepts 3-24 VAC/DC
- 12-volt control out
- Removable line cord
- Two year limited warranty
- Conforms to UL/CSA 60065
- Overall dimensions:
    17 ¼" (43.81 cm) wide
    2 ¼" (5.6 cm) high (including feet)
    13 ½" (34.35 cm) deep
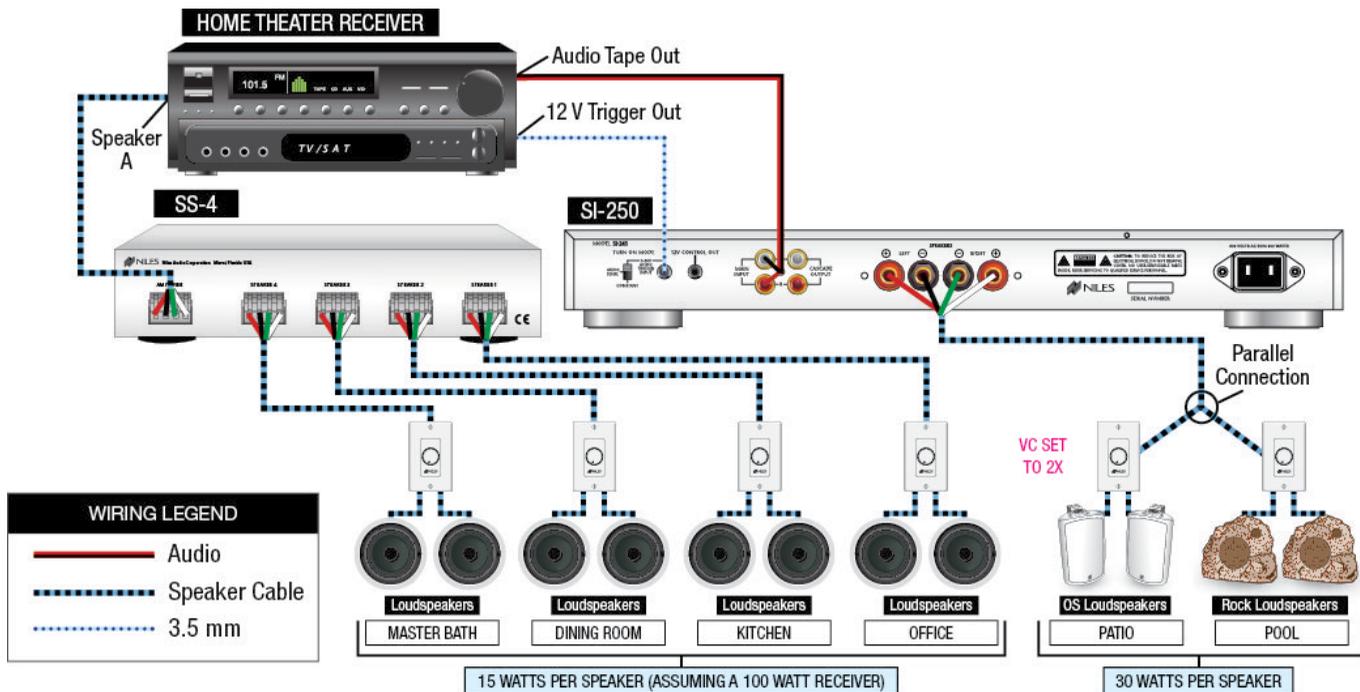- 1U Rack mount without feet
- Weight: 10.8 lb. (4.9 kg)

Warranty: Two-year limited
Shipping weight: 14 lb. (6.35 kg)

APPLICATION | INCREASE POWER IN CRITICAL OUTDOOR AREAS

HOME THEATER RECEIVER
Audio Tape Out
12 V Trigger Out
Speaker A
SS-4
SI-250
Parallel Connection
VC SET TO 2X

WIRING LEGEND
— Audio
••••• Speaker Cable
····· 3.5 mm

Loudspeakers — MASTER BATH
Loudspeakers — DINING ROOM
Loudspeakers — KITCHEN
Loudspeakers — OFFICE
OS Loudspeakers — PATIO
Rock Loudspeakers — POOL

15 WATTS PER SPEAKER (ASSUMING A 100 WATT RECEIVER)
30 WATTS PER SPEAKER

NILES

QUICK REFERENCE GUIDE

Stock No.	Model	Part Description	Unit	MC
AURIEL MRC-6430 AUDIO RECEIVER				
MRC-6430	**MRC-6430**	Multi-Room Controller with Home Theater Control	EA	1
AURIEL MRC-6430 SYSTEM				
nTP4B	**nTP4B**	4" Wall-Mount Touchscreen Black	EA	40
nTP4W	**nTP4W**	4" Wall-Mount Touchscreen White	EA	40
nTP7B	**nTP7B**	7" Wall-Mount Touchscreen Black	EA	10
nTP7W	**nTP7W**	7" Wall-Mount Touchscreen White	EA	10
nKP7	**nKP7**	7-Button Keypad	EA	20
nKP7-B	**nKP7 Button Kit**	Buton Kit for nKP7 Black	EA	30
nKP7-LA	**nKP7 Button Kit**	Buton Kit for nKP7 Light Almond	EA	30
nHR200	**nHR200**	Handheld Remote Control	EA	10
MULTICHANNEL POWER AMPLIFIERS				
FG01705	**SI-1650**	16-Channel, TCP/IP, Fully Configurable Power Amplifier; 16 x 50 Watts	EA	1
FG01704	**SI-1230 SERIES 2**	12-Channel, Fully Configurable Power Amplifier; 12 x 30 Watts	EA	1
FG01703	**SI-2150**	Two-Channel, Bridgeable Power Amplifier; 2 x 150 Watts	EA	2
FG01702	**SI-2100**	Two-Channel, Bridgeable Power Amplifier; 2 x 100 Watts	EA	2
FG01701	**SI-250**	Two-Channel, Bridgeable Power Amplifier; 2 x 50 Watts	EA	2

LOUDSPEAKERS

Speaker solutions that fit every need and every design

Niles has always been at the forefront of developing reliable, application-specific products that enable professional custom installers to design and install systems that delight customers. For almost four decades NILES has been innovating solutions that deliver easy access to home entertainment and integrates seamlessly with the home for a connected experience.

NILES®

NILES APPLICATION SPECIFIC LOUDSPEAKERS

DS DIRECTED SOUNDFIELD™ CEILING-MOUNT LOUDSPEAKERS

CEILING-MOUNT LOUDSPEAKERS

IN-WALL LOUDSPEAKERS

HD HIGH-DEFINITION LOUDSPEAKERS

CYNEMA SOUNDFIELD IN-WALL SOUNDBAR

SUBWOOFERS

LANDSCAPE OUTDOOR LOUDSPEAKERS

WEATHERPROOF OUTDOOR LOUDSPEAKERS

APPLICATION-SPECIFIC DESIGN

INDOOR APPLICATIONS

From basic background listening to multiroom systems, you can be assured that there is always a Niles speaker to match your needs. Whether you prefer In-Wall or In-Ceiling, shallow depth or 4" options, or 6.5" compact subwoofers, Niles has a quality solution for you. We have ultra-low-profile round and square grilles to retrofit rear-wave-enclosures designed to reduce sound transfer to adjacent rooms.

HOME THEATER APPLICATIONS

Home Theater is an essential addition to your home and cannot be ignored. That's why we make sure to provide Home Theater specific loudspeakers. Building a 5.1 or 7.1 surround sound environment has never been easier. Choose any of our 7" or 8" PR or HD models for your Left/Center/Right channels. Each LCR has features to enhance the sound for the position they are in. Then add any FX speaker to complete the ambiance portion of your system, and you're done. Directional Soundfield™ speakers are particularly well-suited for Home Theater because of their ability to direct the sound towards the listeners from above.
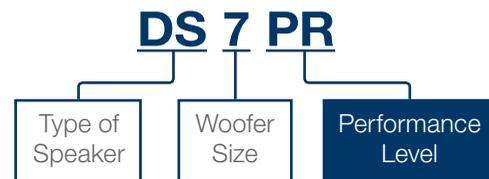
OUTDOOR APPLICATIONS

Outdoor is an exciting and growing category and Niles has always been a leader in providing professional Outdoor solutions to custom installers around the world. Our philosophy is the same, solve the problem by providing unique application-specific models to suit the custom installers' needs, and delight their customers. From Rocks to Planters, On-Wall to In-Ground, Niles outdoor loudspeakers are built like tanks and perform gracefully under extreme weather conditions.

NILES®

COMPLETE ASSORTMENT

EASY TO UNDERSTAND LINEUP

Niles Loudspeakers are organized into logical groupings based on application and function, making them easy to specify, while delivering optimum performance for every installation.

DS 7 PR

| Type of Speaker | Woofer Size | Performance Level |

MP – MULTI-PURPOSE

A versatile loudspeaker that performs well for multiple applications

Ideal Applications:

- Distributed audio systems
- Kid/Guest rooms or secondary listening areas
- Moisture-resistant for Bathrooms, Spas and Under Eaves.
- Low Cost / High Value

PR - PERFORMANCE

The perfect blend between value and performance, these loudspeakers deliver high-performance sound in a wide variety of applications.

Ideal Applications:

- Primary listening areas
- Family rooms and bedrooms
- Small Home Theaters
- High Value

HD - HIGH-DEFINITION

Provide superior sound quality and longevity by utilizing advanced components, materials, and circuit design.

Ideal Applications:

- Left/center/right channel ideal for advanced home theaters
- Mid to large sized room entertainment
- Primary listening areas
- Premium Value

FX – SURROUND EFFECTS

Surround effects (rear, side, height) channel specific speakers

Applications Include:

- Completing 5.1.4, 7.1.4, Dolby Atmos, DTS:X effects channels for home theater systems

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SI – STEREO-INPUT

Provides stereo sound from a single, unobtrusive loudspeaker—ideal for locations that are inconvenient for more than one loudspeaker.

Applications Include:

- Hallways, foyers & kitchens
- Commercial applications such as restaurant bathrooms and small dining areas
- Small rooms where multiple speakers are inconvenient
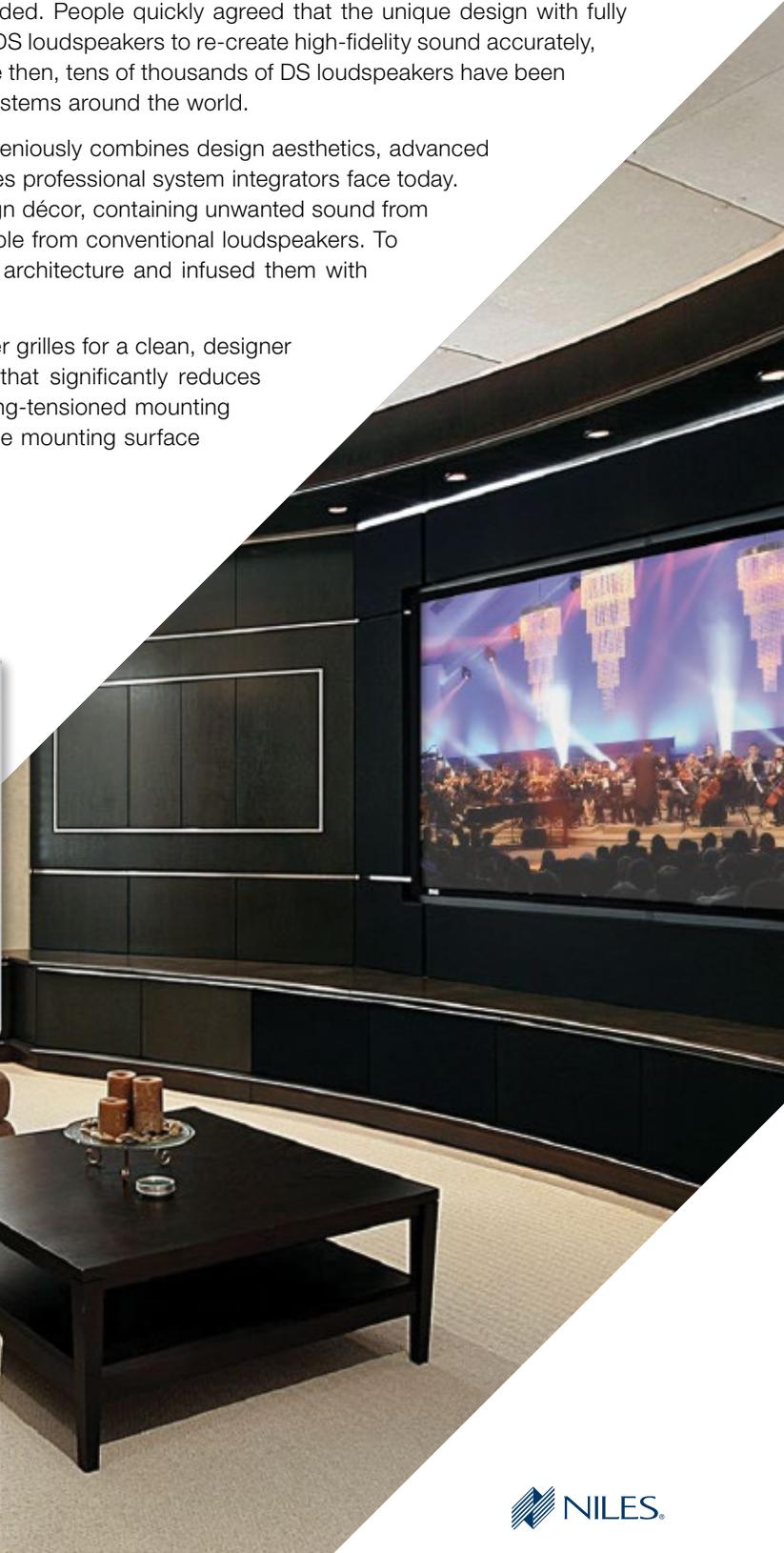- Great Value - Stereo speaker performance for the price of one!

A REDEFINING MOMENT

The DS Directed Soundfield™
Ceiling-Mount Loudspeaker

When Niles presented the first Directed Soundfield™ (DS) loudspeakers in 2001 at CEDIA Expo in Indianapolis, everyone was astounded by the performance and versatility they provided. People quickly agreed that the unique design with fully adjustable, independent pivoting woofer and tweeter enabled DS loudspeakers to re-create high-fidelity sound accurately, regardless of where in the ceiling they were located. Ever since then, tens of thousands of DS loudspeakers have been delighting customers in distributed audio and home theater systems around the world.

The latest generation of Directed Soundfield loudspeakers ingeniously combines design aesthetics, advanced technology, and installation versatility to address the challenges professional system integrators face today. These challenges include seamless integration with high-design décor, containing unwanted sound from bleeding into other rooms, and lifelike sonic quality not available from conventional loudspeakers. To do this, we took the best ideas from the original DS design architecture and infused them with significant and innovative new features.

The features include magnetically attached MicroThin™ speaker grilles for a clean, designer appearance, and an optional Rear Wave Control enclosure that significantly reduces the sound bleed into adjacent rooms. Also included is a spring-tensioned mounting clamp system that tightly secures the loudspeaker—even if the mounting surface expands or contracts.

NILES®

BENEFITS OF GOOD DESIGN

CREATE THE IDEAL LISTENING ENVIRONMENT
Patented Directed Soundfield™ technology directs the sound to the listening area, regardless of where the loudspeakers are installed.

UNOBTRUSIVE APPEARANCE
Rustproof MicroThin™ loudspeaker grilles mount flush to the ceiling or wall to seamlessly blend with the room's décor.

SUPERB SOUND QUALITY
IMPACT (Improved Aluminum Ceramic Technology) woofers and tweeters and other advanced materials ensure superb sound resolution.

MATCH ROOM COLORS AND AESTHETICS
MicroThin speaker grilles can be painted to coordinate with any décor. Choose from round (included) or square (optional) grilles.

HIGHER OUTPUT, LOWER DISTORTION
Precision crossover networks, copper shorting caps, and Kapton voice coil formers easily handle the demands of digital music and home theater.

INSTALL WITH CONFIDENCE
Patent-pending, spring-tensioned mounting clamps simplify installation and compensate for expanding and contracting mounting surfaces.

The optional Rear Wave enclosure improves sound performance while reducing unwanted sound from bleeding into adjacent rooms.

Rear Wave Enclosure Sound Isolation*

50 - 500 Hz	-16dB
500 - 2,000 Hz	-37dB
2,000 - 20,000 Hz	-25dB

*In typical installations.

MicroThin™ grilles attach magnetically for a clean, unobstrusive look. Optional square grilles provide added design flexibility.

DS7MP

7" Directed Soundfield™ Loudspeaker

For distributed audio, background music, and home theater applications

<u>Stock Number</u>
FG01614

FEATURES

- Integrated baffle/frame assembly
- 7" glass fiber woofer cone with curvilinear profile
- 1" UltraSilk® soft dome tweeter
- Dialogue switch for center-channel applications
- Tweeter level switch
- Weather-resistant construction

SPECIFICATIONS

- Recommended amplifier power: 10 - 130 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 55 Hz to 21 kHz +/ -3 dB
- Frame dimensions (with grille): 9-7/8" (25.15 cm) diameter
- Hole cutout dimensions: 8-1/2" (21.6 cm) diameter
- Depth behind ceiling (5/8" drywall): 5-5/16" (13.6 cm)

Warranty: Lifetime Limited. Shipping weight: 6 lbs. (2.72 kg)

Packaged Individually with Round MicroThin™ Grille

DS7PR

7" Directed Soundfield™ Loudspeaker

For primary and secondary listening rooms and home theater applications

<u>Stock Number</u>
FG01617

FEATURES

- Integrated baffle/frame assembly
- 7" glass fiber woofer cone with curvilinear profile
- 1" fluid-cooled Teteron® dome tweeter
- Dialogue switch for center-channel applications
- Tweeter level switch
- Weather-resistant construction

SPECIFICATIONS

- Recommended amplifier power: 10 - 130 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 52 Hz to 21 kHz +/ -3 dB
- Frame dimensions (with grille): 9-7/8" (25.15 cm) diameter
- Hole cutout dimensions: 8-1/2" (21.6 cm) diameter
- Depth behind ceiling (5/8" drywall): 5-5/16" (13.6 cm)

Warranty: Lifetime Limited. Shipping weight: 6 lbs. (2.72 kg)

Packaged Individually with Round MicroThin™ Grille

DS7HD

7" Directed Soundfield™ High-Definition Loudspeaker

For advanced home theaters and primary listening rooms

<u>Stock Number</u>
FG01621

FEATURES

- Integrated baffle/frame assembly
- 7" IMPACT (Improved Aluminum Ceramic Technology) woofer cone
- 1" nano-coated IMPACT (Improved Aluminum Ceramic Technology) tweeter
- Kapton non-conductive voice coil former and copper shorting caps
- Dialogue switch for center-channel applications
- Tweeter level switch
- Weather-resistant construction

SPECIFICATIONS

- Recommended amplifier power: 10 - 160 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 48 Hz to 21 kHz +/ -3 dB
- Frame dimensions (with grille): 9-7/8" (25.15 cm) diameter
- Hole cutout dimensions: 8-1/2" (21.6 cm) diameter
- Depth behind ceiling (5/8" drywall): 5-5/16" (13.6 cm)

Warranty: Lifetime Limited. Shipping weight: 6 lbs. (2.72 kg)

Packaged Individually with Round MicroThin™ Grille

NILES®

DS7FX

7" Directed Soundfield™ Surround Effects Loudspeaker

For surround effects in multi-channel home theater applications

Stock Number
FG01618

FEATURES

- Integrated baffle/frame assembly
- 7" glass fiber woofer cone with curvilinear profile
- Dual 1" fluid-cooled Teteron® dome tweeters
- Multi-axis tweeter array positions tweeters at an opposing angle
- Bipole/Dipole switch for room matching
- Weather-resistant construction

SPECIFICATIONS

- Recommended amplifier power: 10 - 140 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 52 Hz to 21 kHz +/ -3 dB
- Frame dimensions (with grille): 9-7/8" (25.15 cm) diameter
- Hole cutout dimensions: 8-1/2" (21.6 cm) diameter
- Depth behind ceiling (5/8" drywall): 5-5/16" (13.6 cm)

Warranty: Lifetime Limited

Shipping weight: 12 lbs. (5.44 kg)
Packaged in Matched Pairs with Round MicroThin™ Grilles

DS7SI

7" Directed Soundfield™ Stereo-Input Loudspeaker

For multi-purpose single-speaker stereo applications

Stock Number
FG01616

FEATURES

- Integrated baffle/frame assembly
- 7" glass fiber dual voice coil woofer with a curvilinear profile
- Dual 1" UltraSilk® soft dome tweeters
- Bridge-mounted Stereo Imaging (SI) tweeter array directs the high-frequency sounds from the left and right channels at opposing angles
- Weather-resistant construction

SPECIFICATIONS

- Recommended amplifier power: 10 - 130 watts
- Impedance:
  - Wired Stereo, 8 ohm
  - Wired Mono (parallel), 4 ohm
- Frequency response: 55 Hz to 21 kHz +/ -3 dB
- Frame dimensions (with grille): 9-7/8" (25.15 cm) diameter
- Hole cutout dimensions: 8-1/2" (21.6 cm) diameter
- Depth behind ceiling (5/8" drywall): 5-5/16" (13.6 cm)

Warranty: Lifetime Limited

Shipping weight: 6 lbs. (2.72 kg)

Packaged Individually with Round MicroThin™ Grilles

RWE7C

7" Rear Wave Control Enclosure

- Provides superior-quality predictable sound
- Reduces sound transfer into adjacent rooms or spaces

Stock Number
FG01643

SG7C

7" Square MicroThin™ Grille Cover

- Corrosion-resistant MicroPerf™ grille material
- Can be painted to match room color

Packaged in Pairs

Stock Number
FG01645

NCB7C

7" New Construction Bracket

- Arms with center marking lines to allow visual adjustment to stud

Packaged in Pairs

Stock Number
FG01647

DS8PR

**8" Directed Soundfield™
Performance Loudspeaker**

For primary and secondary listening rooms and home theater applications.

Stock Number
FG01619

Packaged Individually with
Round MicroThin™ Grille

FEATURES

- Integrated baffle/frame assembly
- 8" glass fiber woofer cone with curvilinear profile
- 1" fluid-cooled Teteron® dome tweeter
- 1-1/2" fluid-cooled Teteron® dome midrange
- Dialogue switch for home theater applications
- Tweeter level switch
- Weather-resistant construction

SPECIFICATIONS

- Recommended amplifier power: 10 - 140 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 48 Hz to 21 kHz +/ -3 dB
- Frame dimensions (with grille): 11-1/4" (28.52 cm) diameter
- Hole cutout dimensions: 9-3/4" (24.76 cm) diameter
- Depth behind ceiling (5/8" drywall): 5-5/16" (13.6 cm)

Warranty: Lifetime Limited
Shipping weight: 7 lbs. (3.17 kg)

DS8HD

**8" Directed Soundfield™
High-Definition Loudspeaker**

For advanced home theaters and primary listening rooms.

Stock Number
FG01623

Packaged Individually with
Round MicroThin™ Grille

FEATURES

- Integrated baffle/frame assembly
- 8" IMPACT (Improved Aluminum Ceramic Technology) woofer cone
- 1" nano-coated IMPACT (Improved Aluminum Ceramic Technology) tweeter
- 1-1/2" nano-coated IMPACT dome midrange
- Kapton non-conductive voice coil former and copper shorting caps
- Dialogue switch for center-channel applications
- Tweeter level switch
- Weather-resistant construction

SPECIFICATIONS

- Recommended amplifier power: 10 - 160 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 48 Hz to 21 kHz +/ -3 dB
- Frame dimensions (with grille): 11-1/4" (28.52 cm) diameter
- Hole cutout dimensions: 9-3/4" (24.76 cm) diameter
- Depth behind ceiling (5/8" drywall): 5-5/16" (13.6 cm)

Warranty: Lifetime Limited
Shipping weight: 7 lbs. (3.17 kg)

NILES®

DS8FX

8" Directed Soundfield™ Surround Effects Loudspeaker

For surround effects in multi-channel home theater applications

Stock Number
FG01624

Packaged in Matched Pairs with Round MicroThin™ Grille

FEATURES

- Integrated baffle/frame assembly
- 8" IMPACT (Improved Aluminum Ceramic Technology) woofer cone
- Dual 1" nano-coated IMPACT dome tweeters
- Multi-axis tweeter array positions tweeters at an opposing angle
- Bipole/Dipole switch for room matching
- Weather-resistant construction

SPECIFICATIONS

- Recommended amplifier power: 10 - 160 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 48 Hz to 21 kHz +/ -3 dB
- Frame dimensions (with grille): 11-1/4" (28.52 cm) diameter
- Hole cutout dimensions: 9-3/4" (24.76 cm) diameter
- Depth behind ceiling (5/8" drywall): 5-5/16" (13.6 cm)

Warranty: Lifetime Limited

Shipping weight: 14 lbs. (6.34 kg)

RWE8C

8" Rear Wave Control Enclosure

- Provides superior-quality predictable sound
- Reduces sound transfer into adjacent rooms or spaces

Packaged in Pairs

Stock Number
FG01644

SG8C

8" Square MicroThin™ Grille Cover

- Corrosion-resistant MicroPerf™ grille material
- Can be painted to match room color

Packaged in Pairs

Stock Number
FG01646

NCB8C

8" New Construction Bracket

- Arms with center marking lines to allow visual adjustment to stud

Packaged in Pairs

Stock Number
FG01648

CM SERIES

The CM Series of Ceiling-Mount Loudspeakers

Niles didn't become The First Name in Custom Installation® overnight. One of the keys to our success has been our Application-Specific Design Philosophy – loudspeakers that are designed for a specific purpose and organized based upon logical groupings and functions. The new CM Series takes that idea even further. As a complement to our highly-acclaimed DS Loudspeaker models, you can now offer your customers a complete loudspeaker assortment that is simple to sell, simple to install and offers easy options for both retrofits and system upgrades.

When developing the CM Series, we took care to integrate many of the great features of our incredible DS models, from the stylish round or optional square MicroThin™ grilles that disappear into the décor to the advanced driver technology of our UltraSilk™, Teteron and top-of-the-line nano-coated IMPACT (Improved Aluminum Ceramic Technology) woofers and tweeters. All of this comes together in each model to deliver the defined bass, silky-smooth mid-ranges and crisp vocals you have come to expect from Niles.

With our CM series, you now have even more options to select the best speaker for each particular function and location in a home. System designers can now specify a single cutout hole size and have a full range of application-specific loudspeakers.

Imagine how much simpler it will be as a system designer or as an installer if you know that you can go to any home and use a single hole size in every speaker location. With that simple step, you are now ready to install from any of the Niles application-specific models to get just the right one for each location. Even better, upgrading any of the locations to a different model is now as easy as can be with a full range of models all using the same hole size. Last-minute changes from your customers don't have to cost your valuable installation crew any additional time. Just give your crew the new speaker.

NILES®

BENEFITS OF GOOD DESIGN

SIMPLE TO SPECIFY, SIMPLE TO INSTALL
By specifying a single cutout hole size, you are free to install any of a full range of application-specific models. Changing or upgrading a model after the hole has been cut no longer means extra work for your installation crew.

UNOBTRUSIVE APPEARANCE
Rustproof MicroThin™ loudspeaker grilles mount flush to the ceiling or wall to seamlessly blend with the room's décor.

MATCH ROOM COLORS AND AESTHETICS
MicroThin speaker grilles can be painted to coordinate with any décor.
Choose from round (included) or square (optional) grilles.

HIGHER OUTPUT, LOWER DISTORTION
Precision crossover networks, copper shorting caps, and Kapton® voice coil formers easily handle the demands of digital music and home theater.

APPLICATION SPECIFIC MODELS

Our CM4PR is designed for small rooms, closets, hallways, or alcoves where traditional loudspeakers just won't fit. Its round (or optional square) MicroThin™ grille matches that of all of our other CM and DS models and its custom Rear Wave Enclosure will keep any unwanted sound from penetrating into adjoining spaces.

Our CM7SD Shallow Depth loudspeaker can be installed in a ceiling that is only 2-1/8" deep! Its powder-coated steel cover not only protects it during installation in tight spaces but also helps to minimize sound penetration into adjoining areas, which can be a real problem in specialized ceiling installations like in a multi-dwelling unit.

Whatever your application or need, Niles makes the loudspeaker that will help you delight your customers!

4" TWO-WAY CEILING-MOUNT LOUDSPEAKER

CM4PR

3-1/2" Two-Way Ceiling-Mount Performance Loudspeaker

For smaller spaces or wherever preventing sound bleed-through to other spaces is critical

Stock Number

FG01666

Packaged Individually
with Round MicroThin Grille

FEATURES

- Custom Rear Wave Enclosure enhances acoustic performance while limiting sound from bleeding through to adjacent spaces
- 3 1/2" Mineral-Filled Polypropylene cone woofer is extremely rigid to reduce breakup, lower distortion and provide enhanced bass response
- Butyl rubber surround damps resonance and provides exceptional durability
- 1" fluid-cooled Teteron® dome tweeter offers ultra-wide dispersion and silky-smooth high-frequency response
- Easy-to-use Tri-mount clips provide for quick installation
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments or outdoors under eaves

SPECIFICATIONS

- Frequency Response: 70Hz to 21kHz +/-3dB
- Impedance: 8 ohm nominal; 6 ohm minimum
- Recommended Amplifier Power: 25 to 100 Watts
- Hole Cutout Size: 4-5/8" (11.75 cm)
- Depth behind ceiling (5/8" drywall): 3-5/16" (8.4 cm)

Warranty: Lifetime Limited

4" CEILING-MOUNT LOUDSPEAKER ACCESSORIES

SG4C

4" Square MicroThin™ Grilles

- Corrosion-resistant MicroThin™ grille material
- Can be painted to match room color

Packaged in Pairs

Stock Number

FG01674

NCB4C

4" New Construction Bracket

- Arms with center marking lines to allow visual adjustment to stud

Packaged in Pairs

Stock Number

FG01673

6" TWO-WAY CEILING-MOUNT LOUDSPEAKER

CC65

6 1/2" Ceiling mount loudspeaker

Packaged in Pairs

Stock Number

FG01511

FEATURES

- Ideal for background listening applications where price is a concern but quality is important.
- 6 1/2" polypropylene woofer delivers smooth bass response.
- Urethane woofer surround increases sensitivity while preserving durability.
- 3/4" fluid-cooled Kaladex® tweeter provides extended treble tones and balanced woofer for natural voice reproduction.
- Rustproof MicroPerf™ aluminum grilles can be painted to match decor.

SPECIFICATIONS

- Impedance: 8 ohm
- Recommended Amplifier Power: 5 to 50 Watts
- Frequency response: 55 Hz to 20 kHz +/ -4 dB
- Sensitivity: 91 dB for 2.83V pink noise
- Hole cutout dimensions: 8" (20.3 cm) diameter
- Mounting depth: 2-3/4" (7 cm) based on 1/2" drywall

Warranty: Lifetime Limited

NILES®

CM610

6" Two-Way Ceiling-Mount Multi-Purpose Loudspeaker

For use as primary loudspeakers in price-sensitive installations

FEATURES

- Integrated woofer/baffle design
- 6" polypropylene cone woofer with treated urethane surround
- 1/2" fluid-cooled Kaladex® tweeter
- Includes a flush-mount aluminum grille plus a special recessed cloth grille that masquerades as a light fixture

SPECIFICATIONS

- Recommended amplifier power: 5 - 50 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 65 Hz to 20 kHz +/ -4 dB
- Frame dimensions: 7-3/4" (19.7 cm) diameter
- Hole cutout dimensions: 6-1/2" (16.5 cm) diameter
- Depth behind ceiling: 3-5/8" (9.2 cm)

Warranty: Lifetime Limited

Packaged in Pairs with Round MicroPerf™ Grilles

Stock Number
FG01294

CM630

6" Two-Way Ceiling-Mount Performance Loudspeaker

Blending value and performance, a quality loudspeaker suitable for a variety of applications

FEATURES

- Integrated woofer/baffle design
- 6" polypropylene cone woofer with butyl rubber surround
- 1" joystick-type pivoting UltraSilk™ soft dome tweeter
- Includes a flush-mount aluminum grille plus a special recessed cloth grille that masquerades as a light fixture

SPECIFICATIONS

- Recommended amplifier power: 10 - 75 watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency response: 65 Hz to 20 kHz +/ -3 dB
- Frame dimensions: 7-3/4" (19.7 cm) diameter
- Hole cutout dimensions: 6-1/2" (16.5 cm) diameter
- Depth behind ceiling: 3-5/8" (9.2 cm)

Warranty: Lifetime Limited

Packaged in Pairs with Round MicroPerf™ Grilles

Stock Number
FG01295

CM600 BKT

6" New Construction Bracket

Packaged in Pairs

Stock Number
FG01300

CM7BG

7" Two-Way Ceiling-Mount Background Loudspeaker

For use in non-primary listening areas

Stock Number

FG01655

Packaged individually with Round MicroThin™ Grille

FEATURES

- Integrated woofer/baffle design delivers greater low-frequency response by employing a larger 7" woofer, where competitive models of the same outer size employ only 6-1/2" woofers in the same size speaker installation
- Polypropylene cone is light, strong and well damped to provide "best-in-class" bass response
- Treated urethane surround increases sensitivity while preserving durability
- 1/2" Kaladex® tweeter with fluid cooling provides wide dispersion for clear and detailed high frequencies
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments or outdoors under eaves

SPECIFICATIONS

- Recommended Amplifier Power: 10 to 75 Watts
- Impedance: 8 ohm nominal; 6 ohm minimum
- Frequency Response: 58Hz to 20kHz +/-3dB
- Voice coil size: 3/4"
- Frame Dimensions: 9-7/8" (25.1 cm)
- Hole cutout dimensions: 8-1/2" (21.6 cm)
- Depth behind ceiling (5/8" drywall): 3-3/4" (9.5 cm)

Warranty: Lifetime Limited

CM7SD

7" Two-Way Ceiling-Mount Slim Design Performance Loudspeaker

Stock Number

FG01665

Packaged individually with Round MicroThin™ Grille

APPLICATION - SPECIFIC MODEL

Our new CM7SD Shallow Depth loudspeaker can be installed in a ceiling that is only 2-1/8" deep! Its powder-coated steel cover not only protects it during installation in tight spaces but also helps to minimize sound penetration into adjoining areas, which can be a real problem in specialized ceiling installations like in a multi-dwelling unit.

FEATURES

- 7" Mineral-Filled Polypropylene woofer cone is extremely rigid to reduce breakup, lower distortion and provide enhanced bass response
- Butyl rubber cone surround damps resonance and provides exceptional durability
- 3/4"soft dome tweeter offers wide dispersion and silky-smooth high-frequency response
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Shallow Depth Design permits installation in a ceiling depth of as small as 2-1/8" behind 5/8" drywall
- Rear Powder-Coated Steel Cover minimizes sound penetration to adjoining spaces

SPECIFICATIONS

- Frequency Response: 52Hz to 21kHz +/-3dB
- Impedance: 8 ohm nominal; 6 ohm minimum
- Recommended Amplifier Power: 10 to 100 Watts
- Frame Dimensions: 9-7/8" (25.1 cm)
- Hole cutout dimensions: 8-1/2" (21.6 cm)
- Depth behind ceiling (5/8" drywall): 2-1/8" (5.4 cm)

Warranty: Lifetime Limited

NILES®

CM7MP

7" Two-Way Ceiling-Mount Multi-Purpose Loudspeaker with Pivoting Tweeter

<u>Stock Number</u>

FG01656

Packaged individually with Round MicroThin™ Grille

FEATURES

- Integrated woofer/baffle design delivers greater low-frequency response by employing a 7" woofer, where competitive models of the same outer size employ 6-1/2" woofers
- Glass fiber woofer cone is light, strong and well damped to provide "best-in-class" bass response
- 1" fluid-cooled UltraSilk® soft-dome tweeter provides for clear and detailed high-frequency response
- Proprietary bridge-mounted tweeter-adjustment mechanism focuses the high-frequency sound in any direction up to 20° without diffraction
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments or outdoors under eaves

SPECIFICATIONS

- Frequency Response: 55Hz to 21kHz +/-3dB
- Impedance: 8 ohm nominal; 6 ohm minimum
- Recommended Amplifier Power: 10 to 130 Watts
- Frame Dimensions: 9-7/8" (25.1 cm)
- Hole cutout dimensions: 8-1/2" (21.6 cm)
- Depth behind ceiling (5/8" drywall): 3-3/4" (9.5 cm)

Warranty: Lifetime Limited

CM7PR

7" Two-Way Ceiling-Mount Performance Loudspeaker

For advanced home theaters and primary listening rooms.

<u>Stock Number</u>

FG01657

Packaged individually with Round MicroThin™ Grille

FEATURES

- Integrated woofer/baffle design delivers greater low-frequency response by employing a 7" woofer, where competitive models of the same outer size employ 6-1/2" woofers
- Glass fiber woofer cone is extremely rigid to reduce breakup, lower distortion and provide enhanced bass response
- Butyl rubber surround damps resonance and provides exceptional durability
- 1" fluid-cooled Teteron® dome tweeter offers ultra-wide dispersion and silky-smooth high-frequency response
- Proprietary bridge-mounted tweeter-adjustment mechanism focuses the high-frequency sound in any direction up to 20° without diffraction
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments or outdoors under eaves

SPECIFICATIONS

- Frequency Response: 52Hz to 21kHz +/-3dB
- Impedance: 8 ohm nominal; 6 ohm minimum
- Recommended Amplifier Power: 10 to 130 Watts
- Frame Dimensions: 9-7/8" (25.1 cm)
- Hole cutout dimensions: 8-1/2" (21.6 cm)
- Depth behind ceiling (5/8" drywall): 3-3/4" (9.5 cm)

Warranty: Lifetime Limited

CM7HD

**7" Two-Way Ceiling-Mount
High-Definition Loudspeaker
with Pivoting Tweeter**

For advanced home theaters and
primary listening rooms

Stock Number

FG01658

Packaged individually with
Round MicroThin™ Grille

FEATURES

- Integrated woofer/baffle design delivers greater low-frequency response by employing a 7" woofer, where competitive models of the same outer size employ 6-1/2" woofers

- Interlaced glass fiber cone is lightweight yet extremely rigid for deep, powerful bass response

- Butyl rubber surround damps resonance and provides exceptional durability

- 1" nano-coated IMPACT (Improved Aluminum Ceramic Technology) dome tweeter utilizes a vapor-deposited coating to move any ringing frequencies outside the range of hearing for ultra-detailed high frequencies

- Proprietary bridge-mounted tweeter-adjustment mechanism focuses the high-frequency sound in any direction up to 20° without diffraction

- Three-position tweeter level control provides for precise matching to room acoustics

- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look

- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments or outdoors under eaves
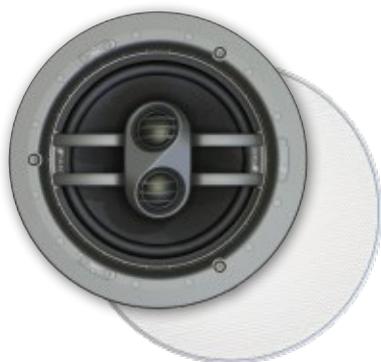
SPECIFICATIONS

- Frequency Response: 48Hz to 21kHz +/-3dB

- Impedance: 8 ohm nominal; 6 ohm minimum

- Recommended Amplifier Power: 10 to 160 Watts

- Frame Dimensions: 9-7/8" (25.1 cm)

- Hole cutout dimensions: 8-1/2" (21.6 cm)

- Depth behind ceiling (5/8" drywall): 3-3/4" (9.5 cm)

Warranty: Lifetime Limited

CM7FX

**7" Two-Way Ceiling-Mount
Surround Effects
Performance Loudspeaker**

For advanced home theaters and
primary listening rooms

Stock Number

FG01660

Packaged in Matched Pairs
with Round MicroThin™ Grille

FEATURES

- Integrated woofer/baffle design delivers greater low-frequency response by employing a 7" woofer, where competitive models of the same outer size employ 6-1/2" woofers

- Glass fiber woofer cone is extremely rigid to reduce breakup, lower distortion and provide enhanced bass response

- Butyl rubber cone surround damps resonance and provides exceptional durability

- Dual 1" pivoting fluid-cooled Teteron® dome tweeters offer ultra-wide dispersion and silky-smooth high-frequency response

- Bridge-mounted surround effects (FX) tweeter array directs the high-frequency sounds at opposing angles to create realistic surround sound effects

- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look

- Adjustable Dipole/Bipole and effects level controls provide for optimum room-matching, Patent-pending, spring-tensioned mounting clamps permit quick installation and compensate for uneven mounting surfaces and varied environmental conditions

SPECIFICATIONS

- Frequency Response: 52Hz to 21kHz +/-3dB

- Impedance: 8 ohm nominal; 6 ohm minimum

- Recommended Amplifier Power: 10 to 140 Watts

- Frame Dimensions: 9-7/8" (25.1 cm)

- Hole cutout dimensions: 8-1/2" (21.6 cm)

- Depth behind ceiling (5/8" drywall): 3-3/4" (9.5 cm)

Warranty: Lifetime Limited

NILES®

CM7SI

7" Two-Way Ceiling-Mount Stereo Input Loudspeaker

For single-speaker stereo applications

Stock Number

FG01659

Packaged individually with Round MicroThin™ Grille

FEATURES

- 7" glass fiber woofer cone with a curvilinear profile for smoother sound and less peaking at high frequencies
- Glass fiber dual voice coil woofer reproduces left and right channel inputs from a single-speaker
- High quality Butyl surround increases sensitivity and preserves durability
- Dual 1" fluid-cooled UltraSilk tweeters provide wide dispersion for clear and detailed high frequencies
- Bridge-mounted stereo imaging (SI) tweeter array directs the high-frequency sounds from both the left and right channels at opposing angles to preserve stereo separation
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments or outdoors under eaves
- Integrated baffle/frame assembly increases the cone area for deeper bass than competitive speakers of the same diameter
- Patent-pending, spring-tensioned mounting clamps permit quick installation and compensate for uneven mounting surfaces and varied environmental conditions

SPECIFICATIONS

- Frequency Response: 55Hz to 21kHz +/-3dB
- Impedance:
  - Wired Stereo, 8 ohm
  - Wired Mono (parallel), 4 ohm
- Recommended Amplifier Power: 10 to 130 Watts
- Frame Dimensions: 9-7/8" (25.1 cm)
- Hole cutout dimensions: 8-1/2" (21.6 cm)
- Depth behind ceiling (5/8" drywall): 3-3/4" (9.5 cm)

Warranty: Lifetime Limited

Stock Number

FG01645

SG7C

7" Square MicroThin™ Grilles

- Corrosion-resistant MicroThin™ grille material
- Can be painted to match room color

Packaged in Pairs

Stock Number

FG01647

NCB7C

7" Construction Bracket

- Arms with center marking lines to allow visual adjustment to stud

Packaged in Pairs

CM8MP

8" Two-Way Ceiling-Mount Multi-Purpose Loudspeaker With Pivoting Tweeter

Stock Number

FG01661

Packaged individually with Round MicroThin™ Grille

FEATURES

- Integrated woofer/baffle design delivers greater low-frequency response by employing a 8" woofer, where competitive models of the same outer size employ 6-1/2" woofers
- Polypropylene cone is light, strong and well damped to provide "best-in-class" bass response
- Butyl rubber surround damps resonance and provides exceptional durability
- 1" fluid-cooled UltraSilk® soft-dome tweeter provides for clear and detailed high-frequency response
- Proprietary bridge-mounted tweeter-adjustment mechanism focuses the high-frequency sound in any direction up to 20° without diffraction
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments or outdoors under eaves

SPECIFICATIONS

- Frequency Response: 50Hz to 21kHz +/-3dB
- Impedance: 8 ohm nominal; 6 ohm minimum
- Recommended Amplifier Power: 10 to 140 Watts
- Frame Dimensions: 11-3/8" (28.9 cm)
- Hole cutout dimensions: 9-3/4" (24.8 cm)
- Depth behind ceiling (5/8" drywall): 4-1/8" (10.5 cm)

Warranty: Lifetime Limited

CM8PR

8" Two-Way Ceiling-Mount Performance Loudspeaker

For advanced home theaters and primary listening rooms

Stock Number

FG01662

Packaged individually with Round MicroThin™ Grille

FEATURES

- Integrated woofer/baffle design delivers greater low-frequency response by employing an 8" woofer, where competitive models of the same outer size use smaller woofers.
- Glass fiber woofer cone is extremely rigid to reduce breakup, lower distortion and provide enhanced bass response
- Butyl rubber surround damps resonance and provides exceptional durability
- 1" fluid-cooled Teteron® dome tweeter offers enhanced dispersion and silky-smooth high-frequency response
- Proprietary bridge-mounted tweeter pivot mechanism focuses the high-frequency sound in any direction up to 20° without diffraction
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments like bathrooms or outdoors under eaves
- Patent-pending, spring-tensioned mounting clamps permit quick installation and compensate for uneven mounting surfaces and varied environmental conditions

SPECIFICATIONS

- Frequency response: 48Hz to 21kHz +/-3dB
- Impedance: 8 ohm nominal; 6 ohm minimum
- Recommended amplifier power: 10 to 140 watts
- Frame Dimensions: 11-3/8" (28.9 cm)
- Hole cutout dimensions: 9-3/4" (24.8 cm)
- Depth behind ceiling (5/8" drywall): 4-1/8" (10.5 cm)

Warranty: Lifetime Limited

NILES®

8" TWO-WAY CEILING-MOUNT LOUDSPEAKERS

CM8HD

8" Two-Way Ceiling-Mount High-Definition Loudspeaker

For advanced home theaters and primary listening rooms

<u>Stock Number</u>

FG01663

Packaged Individually with Round MicroThin™ Grille

FEATURES

- 8" IMPACT (Improved Aluminum Ceramic Technology) woofer cone with curvilinear profile and extended pole provides natural, flat response
- 1" nano-coated IMPACT dome tweeter utilizes a vapor-deposited coating to move any ringing frequencies outside the range of hearing for ultra-detailed high frequencies
- Butyl rubber surround damps resonance and provides exceptional durability
- Proprietary bridge-mounted tweeter pivot mechanism focuses the high-frequency sound in any direction up to 20° without diffraction
- Three-position tweeter level control for precise matching to room acoustics
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Weather-resistant construction reduces installation limitations and provides unique solutions in moist environments like bathrooms or outdoors under eaves
- Patent-pending, spring-tensioned mounting clamps permit quick installation and compensate for uneven mounting surfaces and varied environmental conditions

SPECIFICATIONS

- Frequency Response: 48Hz to 21kHz +/-3dB
- Impedance: 8 ohm nominal; 6 ohm minimum
- Recommended Amplifier Power: 10 to 160 Watts
- Frame Dimensions: 11-3/8" (28.9 cm)
- Hole cutout dimensions: 9-3/4" (24.8 cm)
- Depth behind ceiling (5/8" drywall): 4-1/8" (10.5 cm)

Warranty: Lifetime Limited

CM8SI

8" Two-Way Ceiling-Mount Stereo Input Loudspeaker

For single-speaker stereo applications

<u>Stock Number</u>

FG01664

Packaged Individually with Round MicroThin™ Grille

FEATURES

- 8" glass fiber woofer cone with a curvilinear profile for smoother sound and less peaking at high frequencies
- Dual 1" Teteron tweeters provide wide dispersion for clear and detailed high frequencies
- Bridge-mounted Stereo Imaging (SI) tweeter array directs the high-frequency sounds from both the left and right channels at opposing angles to preserve stereo separation
- Magnetically attached, rust-resistant grille covers install quickly and provide a low-profile look
- Integrated baffle/frame assembly increases the cone area for deeper bass than competitive speakers of the same diameter
- Patent-pending, spring-tensioned mounting clamps permit quick installation and compensate for uneven mounting surfaces and varied environmental conditions
- Weather-resistant construction enables installation in wet environments and outdoors under eves

SPECIFICATIONS

- Recommended amplifier power: 10 - 130 watts
- Impedance:
  - Wired Stereo, 8 ohm
  - Wired Mono (parallel), 4 ohm
- Frequency response: 55 Hz to 21 kHz +/ -3 dB
- Voice coil size: 1.25"
- Frame Dimensions: 11-3/8" (28.9 cm)
- Hole cutout dimensions: 9-3/4" (24.8 cm)
- Depth behind ceiling (5/8" drywall): 4-1/8" (10.5 cm)

Warranty: Lifetime Limited

8" CEILING-MOUNT LOUDSPEAKER ACCESSORIES

SG8C

8" Square MicroThin™ Grille Cover

- Corrosion-resistant MicroPerf™ grille material
- Can be painted to match room color

Packaged in Pairs

<u>Stock Number</u>

FG01646

NCB8C

8" New Construction Bracket

<u>Stock Number</u>

FG01648

SELECTION, PERFORMANCE, AND INSTALLABILITY

Niles In-Wall Loudspeakers Have It All

With 6 different models, each engineered to address a specific application; Niles has the right in-wall loudspeaker for any system you can install. Each one has different features and performance characteristics to satisfy varying conditions such as sound quality, placement, room size, or room acoustics.

For example, our exclusive tweeter housing ratchets in 1 mm increments to precisely direct the high frequencies into the listening area. Baffle-mounted bass and treble tone controls let you compensate for less-than-ideal room anomalies and speaker placement. Another installer-friendly touch is the standard snap-in loudspeaker baffle that saves time and facilitates quick service while maintaining an unbroken paint seal.

And don't forget the famous Niles Limited Lifetime Warranty. Our In-Wall Loudspeakers are so robust that when you install them, you know they'll stay installed—for years to come.

KEY FEATURES

ARCHITECTURALLY-FRIENDLY AESTHETICS

Snap-in loudspeaker baffles provide a seamless fit to the wall, simplify painting, and allows easy removal of the baffle from the frame for servicing or upgrades, without disrupting the paint seal.

SUPERIOR SOUND QUALITY

Advanced driver materials, quality crossovers, and our rotating and pivoting tweeter work in concert to provide a listening experience that redefines the wall-mount loudspeaker category.

IMPEDANCE MANAGEMENT

Selectable 4 ohm or 8 ohm impedance switching enables you to optimize the design of your system.
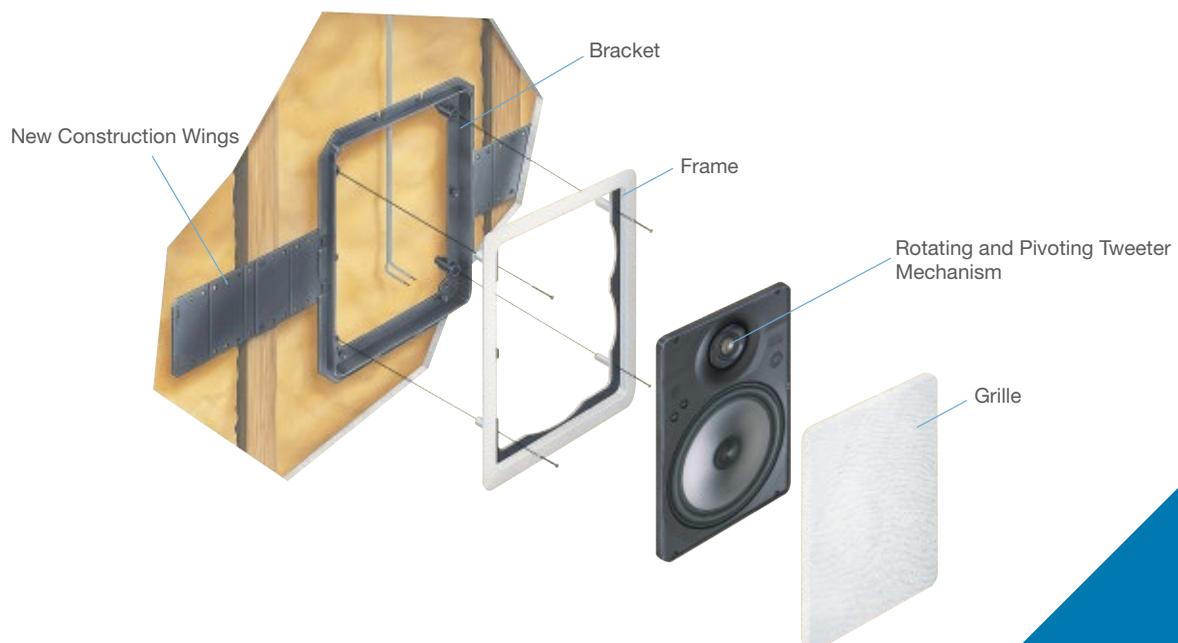
SOPHISTICATED MOTOR AND MAGNET DESIGN

Our design includes shorting rings, extended pole pieces, and machined top plates for deep bass response.

LIFETIME LIMITED WARRANTY

Our In-Wall Loudspeakers are so well made; we confidently back them up with a Lifetime Limited Warranty. With robust construction and bulletproof durability, you can expect fewer service calls—and that means more money in your pocket.

New Construction Wings

Bracket

Frame

Rotating and Pivoting Tweeter Mechanism

Grille

MP5R

5-1/4" Two-Way In-Wall Multi-Purpose Loudspeaker

For price-sensitive and background music applications

Packaged in pairs

Model	Stock Number
MP5R	FG00874

FEATURES

- 5-1/4" Talc-filled polypropylene cone woofer Is light, strong and well damped to accommodate all types of program material
- Treated foam cone surround increases sensitivity and provides exceptional durability
- 3/4" fluid-cooled Kaladex dome tweeter provides ultra-wide dispersion for clear, detailed high frequencies
- Proprietary tweeter adjustment mechanism ratchets in 1mm increments and pivots for precise aiming of high frequencies
- 5 Series bracket kit included

SPECIFICATIONS

- Recommended amplifier power: 5 – 60 watts
- Impedance: 8 ohms
- Frequency response: 75 Hz – 20 kHz +/-3 dB
- Sensitivity: 87 dB for 2.83V pink noise
- Frame dimensions: 7-1/8" x 9-7/8" (18.11 cm x 25.1 cm)
- Hole cutout dimension: 6-1/4" x 9" (15.88 cm x 22.86 cm)
- Depth behind wall (based on 1/2" drywall): 3-5/8" (9.22 cm)

Warranty: Lifetime Limited
Shipping weight: 7 lbs. (3.2 Kg)

HD5R

5-1/4" Two-Way In-Wall High-Definition Loudspeaker

Provides superior sound quality and durability

Packaged in pairs

Model	Stock Number
HD5R	FG00882

FEATURES

- 5-1/4" injection-molded TCC™ (Talc, Carbon and Ceramic-filled) polypropylene woofer is extremely rigid to reduce breakup and lower distortion
- Butyl rubber surround damps resonance and provides exceptional durability
- High BL magnet structure with vented pole piece insures powerful bass response
- 1" Tri-laminate Teteron® dome tweeter with fluid cooling and ultra-wide dispersion provides clear and detailed high frequencies
- Proprietary tweeter adjustment mechanism ratchets in 1 mm increments and pivots for precise aiming of high frequencies
- Baffle-mounted bass and treble controls provide simple, accessible sound adjustment for room and acoustics matching
- Low-diffraction MicroPerf™ aluminum grilles are acoustically transparent, paintable, and will not rust
- 5 Series bracket kit included

SPECIFICATIONS

- Recommended amplifier power: 10 –100 watts
- Impedance: 6 ohms
- Frequency response: 60 Hz – 21 kHz +/-3 dB
- Sensitivity: 88 dB for 2.83V pink noise
- Frame dimensions: 7-1/8" x 9-7/8" (18.11 cm x 25.1 cm)
- Hole cutout dimension: 6-1/4" x 9" (15.88 cm x 22.86 cm)
- Depth behind wall (based on 1/2" drywall): 3-5/8" (9.22 cm)

Warranty: Lifetime Limited
Shipping weight: 9 lbs. (4.1 Kg)

NILES®

MP6R

6-1/2" Two-Way In-Wall Multi-Purpose Loudspeaker

For price-sensitive and background music applications

Packaged in pairs

Model	Stock Number
MP6R	FG00876

FEATURES

- 6-1/2" Talc-filled polypropylene cone woofer is light, strong and well damped to accommodate all types of program material
- Treated foam cone surround increases sensitivity and provides exceptional durability
- 3/4" fluid-cooled Kaladex dome tweeter provides ultra-wide dispersion for clear, detailed high frequencies
- Proprietary tweeter adjustment mechanism ratchets in 1mm increments and pivots for precise aiming of high frequencies
- 6 Series bracket kit included

SPECIFICATIONS

- Recommended amplifier power: 10 – 75 watts
- Impedance: 8 ohms
- Frequency response: 65 Hz – 20 kHz +/-3 dB
- Sensitivity: 88 dB for 2.83V pink noise
- Frame dimensions: 8-3/4" x 11-11/16" (22.23 cm x 29.69 cm)
- Hole cutout dimension: 7-5/8" x 10-5/8" (19.38 cm x 27.0 cm)
- Depth behind wall (based on 1/2" drywall): 3-5/8" (9.22 cm)

Warranty: Lifetime Limited
Shipping weight: 10 lbs. (4.5 Kg)

PR6R

6-1/2" Two-Way In-Wall Performance Loudspeaker

Superb value and performance for a wide variety of applications

Packaged in pairs

Model	Stock Number
PR6R	FG00880

FEATURES

- 6-1/2" Talc-filled polypropylene cone woofer is extremely rigid to reduce breakup and lower distortion
- Butyl rubber cone surround damps resonance and provides exceptional durability
- 3/4" fluid-cooled Kaladex dome tweeter provides ultra-wide dispersion for clear, detailed high frequencies
- Proprietary tweeter adjustment mechanism ratchets in 1mm increments and pivots for precise aiming of high frequencies
- 6 Series bracket kit included

SPECIFICATIONS

- Impedance: 4 ohms or 8 ohms (selectable)
- Recommended amplifier power: 10 – 100 watts
- Frequency response: 60 Hz – 20 kHz +/-3 dB
- Sensitivity: 88 dB for 2.83V pink noise
- Frame dimensions: 8-3/4" X 11-11/16" (22.23 cm x 29.69 cm)
- Hole cutout dimension: 7-5/8" X 10-5/8" (19.38 cm x 27.0 cm)
- Depth behind wall (based on 1/2" drywall): 3-5/8" (9.22 cm)

Warranty: Lifetime Limited
Shipping weight: 10 lbs. (4.5 Kg)

HD6R

**6-1/2" Two-Way In-Wall
High-Definition Loudspeaker**

Provides superior sound quality
and durability

Packaged in pairs

Model	Stock Number
HD6R	FG00884

FEATURES

- 6-1/2" injection-molded TCC™ (Talc, Carbon and Ceramic-filled) polypropylene cone woofer is extremely rigid to reduce breakup and lower distortion
- Butyl rubber surround damps resonance and provides exceptional durability
- High BL magnet structure with vented pole piece insures powerful bass response
- 1" Tri-laminate Teteron® dome tweeter with fluid cooling and ultra-wide dispersion provides clear and detailed high frequencies
- Proprietary tweeter adjustment mechanism ratchets in 1 mm increments and pivots for precise aiming of high frequencies
- Baffle-mounted bass and treble controls provide simple, accessible sound adjustment for room and acoustics matching
- Low-diffraction MicroPerf™ aluminum grilles are acoustically transparent, paintable, and will not rust
- 6 Series bracket kit included

SPECIFICATIONS

- Recommended amplifier power: 10 –125 watts
- Impedance: 6 ohms
- Frequency response: 50 Hz – 21 kHz +/-3 dB
- Sensitivity: 89 dB for 2.83V pink noise
- Frame dimensions: 8-3/4" x 11-11/16" (22.23 cm x 29.69 cm)
- Hole cutout dimension: 7-5/8" x 10-5/8" (19.38 cm x 27 cm)
- Depth behind wall (based on 1/2" drywall): 3-5/8" (9.22 cm)

Warranty: Lifetime Limited
Shipping weight: 12 lbs. (5.4 Kg)

NILES®

HD8R

8" Two-Way In-Wall High-Definition Loudspeaker

Provides superior sound quality and durability

Packaged in pairs

Model	Stock Number
HD8R	FG00886

FEATURES

- 8" injection-molded TCC™ (Talc, Carbon and Ceramic-filled) polypropylene cone woofer is extremely rigid to reduce breakup and lower distortion
- Butyl rubber surround damps resonance and provides exceptional durability
- High BL magnet structure with vented pole piece insures powerful bass response
- 1" Tri-laminate Teteron® dome tweeter with fluid cooling and ultra-wide dispersion provides clear and detailed high frequencies
- Proprietary tweeter adjustment mechanism ratchets in 1 mm increments and pivots for precise aiming of high frequencies
- Baffle-mounted bass and treble controls provide simple, accessible sound adjustment for room and acoustics matching
- Low-diffraction MicroPerf™ aluminum grilles are acoustically transparent, paintable, and will not rust
- 8 Series bracket kit included

SPECIFICATIONS

- Recommended amplifier power: 10 –150 watts
- Impedance: 6 ohms
- Frequency response: 50 Hz – 21 kHz +/-3 dB
- Sensitivity: 89 dB for 2.83V pink noise
- Frame dimensions: 10-3/16" x14-1/4" (25.88 cm x 36.2 cm)
- Hole cutout dimension: 9-1/8" x 13-1/8" (23.19 cm x 33.35 cm)
- Depth behind wall (based on 1/2" drywall): 3-5/8" (9.22 cm)
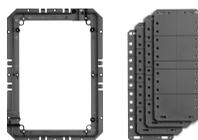
Warranty: Lifetime Limited

Shipping weight: 17 lbs. (7.7 Kg)

IN-WALL LOUDSPEAKER ACCESSORIES

8 SERIES BRACKET

Bracket Kit on both Model & Description

For installing 8 Series In-Wall Loudspeaker in new construction applications

FEATURES

- Accommodates Niles 8 Series in-wall loudspeaker models
- Includes wings for new construction applications
- QuickSnap feature for faster installation in new construction
- Scored wings ensure flexibility in placement between wall studs
- Very thin wings minimize sheetrock bulge
- Wire ties on all four corners prevent the possibility of losing wires in walls
- Not easily damaged by common sheetrock tools
- Mates with matching frame to securely clamp sheetrock

Shipping weight: 3 lbs. (1.4 Kg)

Stock Number

FG00321

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6 SERIES BRACKET

Bracket Kit on both Model & Description

For installing 6 Series In-Wall Loudspeaker in new construction applications

FEATURES

- Accommodates all Niles 6 Series in-wall loudspeaker models
- Includes wings for new construction applications
- QuickSnap feature for faster installation in new construction
- Scored wings ensure flexibility in placement between wall studs
- Very thin wings minimize sheetrock bulge
- Wire ties on all four corners prevent the possibility of losing wires in walls
- Not easily damaged by common sheetrock tools
- Mates with matching frame to securely clamp sheetrock
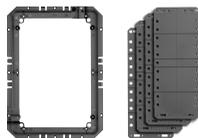
Shipping weight: 2 lbs. (1 Kg)

Stock Number

FG00320

HOME THEATER NEVER
SOUNDED SO GOOD

HD High-Definition Loudspeakers

High-definition television forever changed home theater video. HD High-Definition Loudspeakers have done the same for home theater surround sound. Available in cabinet, in-wall, and ceiling-mount versions, these loudspeakers provide a powerful home theater experience that's right at home with any room's décor.

Each loudspeaker in the series uses our proprietary injection-molded TCC™ (Talc, Carbon, Ceramic-filled) woofer cones, tri-laminate Teteron® tweeters, and are voice-matched so any combination of the three versions can be specified. So take the guesswork out of great home theater sound. With thousands already in use today throughout the world, Niles HD High-Definition Loudspeakers are the complete solution for creating home theater magic for your customers.

For application-specific solutions, easy installation, and legendary quality and reliability, look no further than Niles. Our integrated woofer/baffle provides a deeper, richer bass than similarly sized competitor's models.

NILES®

KEY FEATURES

DEEP, LOW-DISTORTION BASS

Our TCC™ (Talc, Carbon, Ceramic-filled) woofer cone exhibits the perfect balance of strength and rigidity to reduce cone breakup, resulting in lower distortion with tighter, cleaner bass response.

LONG-THROW VOICE COIL/MAGNET STRUCTURE

We've maximized woofer cone excursion to enhance low-frequency response and dynamics.

SMOOTH TREBLE RESPONSE

Sophisticated fluid-cooled Teteron® dome tweeters deliver silky smooth response with ultra-wide dispersion characteristics.

HD HIGH-DEFINITION VOICE MATCHING

Compatibility with all other Niles HD High-Definition Loudspeakers is ensured, leaving you free to specify any combination of the three form factors: cabinet, in-wall, and ceiling-mount.
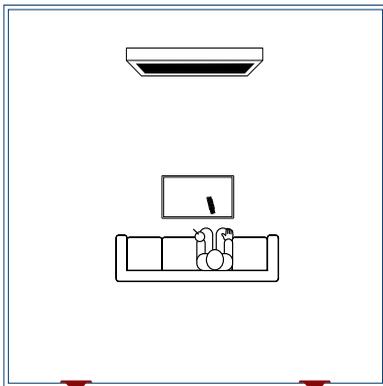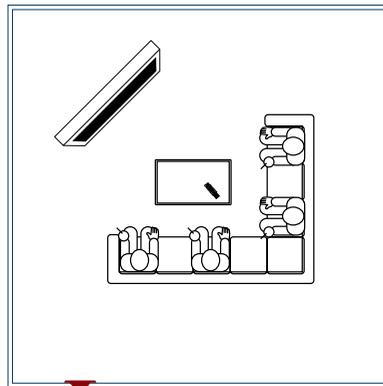
LIFETIME LIMITED WARRANTY

HD High-Definition Loudspeakers are so well made; we confidently back them up with a Lifetime Limited Warranty. With robust construction and bulletproof durability, you can expect fewer service calls—and that means more money in your pocket.

HDFX LOUDSPEAKER PLACEMENT

HDFX Loudspeakers are Placed Near Back Corner Walls of a Home Theater Room.
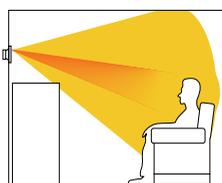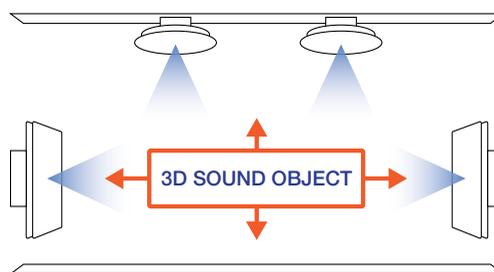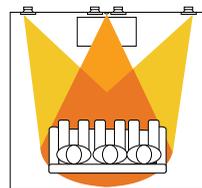
HDFX Loudspeakers are Placed Near Back Corner Walls of a Home Theater Room with an L-Shaped Sofa.

Two Pairs of HDFX Loudspeakers Reproduce Dolby Surround Sound in a Home Theater Room.

Directed Sound Field Geometry™ (DSFG) steers the optimum response to the listener.

3D SOUND OBJECT

Object-based surround systems are also possible, which allow for a more 3D audio experience.

HDLCR

In-Wall High-Definition Loudspeaker

For left/right and center-channel use in high-performance home theater applications

Packaged Individually

Stock Number

FG01151

FEATURES

- Dual 5-1/4" injection-molded TCC™ (Talc, Carbon and Ceramic-filled) polypropylene woofers
- Long-throw voice coil/magnet structure extends cone excursion limits
- 1" Tri-laminate Teteron® dome tweeter with fluid cooling and ultra-wide dispersion
- Proprietary tweeter adjustment mechanism ratchets in 1 mm increments and pivots
- Baffle-mounted bass and treble controls
- Paintable, textured, pearl white ABS frame with MicroPerf™ aluminum grille

SPECIFICATIONS

- Recommended amplifier power: 10 – 150 watts
- Impedance: 4 ohms
- Frequency response: 65 Hz – 21 kHz +/-3 dB
- Sensitivity: 89 dB with 2.83V pink noise input, measured at 1 meter on axis
- Frame dimensions: 8-1/4" x 14-1/2" (20.85 cm x 36.83 cm)
- Hole cutout dimensions: 7-1/8" x 13-1/4" (18.11 cm x 33.66 cm)
- Depth behind wall (based on 1/2" drywall): 3-1/2" (8.89 cm)

Warranty: Lifetime Limited
Shipping weight: 7 lbs. (3.2 Kg)

HDFX

In-Wall Side/Rear Channel Effects High-Definition Loudspeaker

Packaged in pairs

Stock Number

FG01155

FEATURES

- 5-1/4" injection-molded TCC™ (Talc, Carbon and Ceramic-filled) polypropylene woofer
- Long-throw voice coil/magnet structure extends cone excursion limits
- Dual 2-1/4" injection-molded TCC polypropylene full-range drivers
- 1" Tri-laminate Teteron® dome tweeter with fluid cooling and ultra-wide dispersion
- Baffle-mounted dipole/bipole switch adjusts surround effects for either side or rear placement
- Baffle-mounted effects cut switch adjusts direct/diffuse sound field balance
- Baffle-mounted bass and treble controls
- Paintable, textured, pearl white ABS frame with MicroPerf™ aluminum grille

SPECIFICATIONS

- Recommended amplifier power: 10 – 150 watts
- Impedance: 8 ohms
- Frequency response: 65 Hz - 21 kHz +/-3 dB
- Sensitivity: 88 dB with 2.83V pink noise input, measured at 1 meter on axis
- Frame dimensions: 8-1/4" x 14-1/2" (20.85 cm x 36.83 cm)
- Hole cutout dimensions: 7-1/8" x 13-1/4" (18.11 cm x 33.66 cm)
- Depth behind wall (based on 1/2" drywall): 3-1/2" (8.89 cm)

Warranty: Lifetime Limited
Shipping weight: 8 lbs. (3.6 Kg)

NILES

LCR/FX BRACKET KIT

New Construction Bracket for HDLCR and HDFX In-Wall Loudspeakers

Packaged Individually

Stock Number

FG01152

FEATURES

■ Accommodates HDLCR and HDFX in-wall loudspeaker models

■ Includes wings for new construction applications

■ QuickSnap feature for faster installation in new construction

■ Scored wings ensure flexibility in placement between wall studs

■ Wire ties on all four corners prevent the possibility of losing wires in walls

■ Not easily damaged by common sheetrock tools

Shipping weight: 2 lbs. (1 Kg)

A **UNIQUE** AND **POWERFUL SOLUTION** FOR FLAT PANEL INSTALLATIONS

Cynema Soundfield In-Wall Soundbar System

The Cynema Soundfield System is the industry's first in-wall soundbar that installs flush below any flat panel TV without the need to cut studs. The three self contained speaker modules can be adjusted along the rails for best separation regardless of stud locations. The digital amplifier included in the active models provides power for all three channels of audio, includes Dolby processing, and provides for adding a wireless subwoofer to enhance the experience even more.

CFS65A

65" Active Soundbar System

Stock Number

FG01710

SPECIFICATIONS

- Overall dimensions: 9.63" L x 4" D x 6.5" H (24.4cm L x 10.2cm D x 16.5cm H)
- Amplifier Module built-in

INSTALLATION DIMENSIONS

- Frame Dimensions (with grille): 5.25" H x 65" W (13.35 cm x 165.10 cm)
- Hole Cutout Dimensions: 3.75" H x 62.25" W (9.53 cm x 158.115 cm)
- Depth Behind Wall (5/8" drywall): 3.5" (13.6 cm)

Warranty: 2 year
Shipping weight: 14.3 lb. (6.4 Kg)

CFS55A

55" Active Soundbar System

Stock Number

FG01709

SPECIFICATIONS

- Overall dimensions: 9.63" L x 4" D x 6.5" H (24.4cm L x 10.2cm D x 16.5cm H)
- Amplifier Module built-in

INSTALLATION DIMENSIONS

- Frame Dimensions (with grille): 5.25" H x 55" W (13.35 cm x 139.70 cm)
- Hole Cutout Dimensions: 3.75" H x 55.25" W (9.53 cm x 140.34 cm)
- Depth Behind Wall (5/8" drywall): 3.5" (13.6 cm)

Warranty: 2 year
Shipping weight: 12.8 lb. (5.8Kg)

NILES®

FEATURES

- DC power supply mounted separately sends low voltage DC power through wall to amplifier module allowing for installation without the need for an electrician.
- Mounting System allows for ideal placement in any existing stud configuration.
- Easily connect wireless subwoofer utilizing the optional Niles SW-T and SW-R
- Simply connect a Distributed Audio System and it is automatically selected when the TV is powered OFF.
- TV sound always takes priority when the TV is turned ON.

POWER SUPPLY

- AC Input: 100-240V~2.5A, 50-60Hz
- DC Output: 24V === 5A Max. & 120W Max.

AMPLIFIER MODULE (ON SELECTED MODELS)

- Output Power: 30W RMS x 3
- Frequency Response: 100Hz - 20kHz. +0dB/-3dB or better
- Channel Separation: (channel to channel crosstalk) @ 1kHz > 70dB or better
- Signal to Noise: 100Hz to 20kHz un-weighted > 75dB or better based on rated power

LOUDSPEAKER MODULE

- Wiring: Impedance - Nominal 6Ω
- Max SPL: 105 dB (LCR system)
- Frequency Response: 65Hz - 25kHz
- Power Handling Capability: 100 Watts

CFS48A

48" Active Soundbar System

Stock Number

FG01708

SPECIFICATIONS

- Overall dimensions: 9.63" L x 4" D x 6.5" H (24.4cm L x 10.2cm D x 16.5cm H)
- Amplifier Module built-in

INSTALLATION DIMENSIONS

- Frame Dimensions (with grille): 5.25" H x 48" W (13.35 cm x 121.92 cm)
- Hole Cutout Dimensions: 3.75" H x 45.25" W (9.53 cm x 114.94 cm)
- Depth Behind Wall (5/8" drywall): 3.5" (13.6 cm)

Warranty: 2 year
Shipping weight: 11.3 lb. (5.1 Kg)

CFS48P

48" Passive Soundbar System

Stock Number

FG01707

SPECIFICATIONS

- Overall dimensions: 9.63" L x 4" D x 6.5" H (24.4cm L x 10.2cm D x 16.5cm H)
- For Added Flexibility, The Passive CSF-48P Does Not Include An Amplifier Module, Allowing Integrators To Utilize Any Form Of Amplification.

INSTALLATION DIMENSIONS

- Frame Dimensions (with grille): 5.25" H x 48" W (13.35 cm x 121.92 cm)
- Hole Cutout Dimensions: 3.75" H x 45.25" W (9.53 cm x 114.94 cm)
- Depth Behind Wall (5/8" drywall): 3.5" (13.6 cm)

Warranty: 10 year limited
Shipping weight: 11.3 lb. (5.1 Kg)

POWERED COMPACT
SUBWOOFERS

Built for the professional custom installer

Home Theater and High-Definition sound systems require a dedicated channel for bass and there is no better way to deliver room-filling, rich harmonic bass tones than with the Niles line of Powered Compact Subwoofers. Easily configured for professional installations, the Compact Subwoofer is ideal to blend in with any home's décor, and the built-in mounting bracket option enables an infinite range of installation possibilities for light commercial applications.

Designed with your designer in mind, its compact size provides various location choices without adding clutter to a room. The unique combination of a fingerprint-resistant finish and a smooth piano-like surface gives this subwoofer a great overall appearance that is easy to blend into any décor.

With bass drivers delivering the sound of a subwoofer four times the size, it's clear the Niles Compact Subwoofers have what it takes to round out your Home Theater soundscape and virtually any other setup requiring more bass in less space.

Niles Compact Subwoofers feature: Automated Turn-On via 12v trigger or by audio sensing, Built-in CAT-5 Balun to permit use of CAT-5 cabling for the audio signals, Built-In Bracket Mount compatible with the OmniMount® 30.0 ST-MP, as well as wireless sound capabilities.

With the addition of the SW-T and SW-R wireless transceiver and receivers, you can turn any Niles Compact Subwoofer into a wireless speaker for applications where running speaker wire is not an acceptable option.

((•)) Wireless Ready

NILES®

FG01281

Integrated CAT5 Audio Balun

There is no need to run expensive high-grade audio cables to these subwoofers. Instead, use a much more cost-effective and easier run of CAT5 cable and use a Niles C5-A2 passive audio balun to complete the signal.

Wireless Ready

SW6.5

Elegant Timeless Finish

Need a powerful yet elegant solution? These subs mix piano and matte finishing with cloth grilles and a compact size for a stylish yet subtle contemporary look.

Voltage Trigger Input – Automatically turn on the unit with a 3-30v AC/DC voltage trigger.

Cascading I/O – Stereo L/R Inputs and unbuffered pass-through allows you to add up to 3 additional subwoofers.

Signal Sense – Configure automatic turn on via audio signal on all of the inputs (wireless, CAT5, or analog audio)

SW6.5

6-1/2" Powered Compact Subwoofer

Packaged Individually

Stock Number

FG01669

FEATURES

- 800W dynamic, digital power amplifier provides high output and high efficiency, with less heat produced compared to conventional analog power amplifiers.

- High-power, long-throw active woofer drivers feature black anodized aluminum cones, which provide superior rigidity compared to conventional paper cone designs.

- Dual anodized, aluminum cone passive radiators provide additional driver pistonic area, and their combined output along with the main active driver equals that of a larger single active driver.

- Stereo (L/R) line inputs along with unbuffered stereo pass-through line outputs, which also allows you to cascade the output to up to three additional subwoofers.

- The C5-A2 port (RJ-45 connector) provides the option of an easier and less-expensive wire run using CAT-5 cable from the A/V receiver or processor to the subwoofer via an optional Niles CAT-5 Balun adapter / C5-A2 (FG01281) using standard CAT-5 wiring (sold separately).

- Wireless input port provides an additional input connection option via the available Niles SW-T Transmitter (FG01671) and SW-R Receiver (FG01672) wireless transmitter/receiver system. (Both sold separately)

- Adjustable frequency control (50 Hz~150 Hz) features a bypass position, eliminating low-pass filtering within the subwoofer. The variable phase control (0°~180°) allows precise phase matching with the main speakers.

- Auto Sense feature provides energy efficiency by putting the subwoofer into standby mode when no audio signals are input to the sub.

SPECIFICATIONS

- Driver Complement: One 6-1/2" long-throw, front-firing woofer; two 6-1/2" long-throw, side-mounted passive radiators

- Amplifier Power: 800W dynamic; 200W RMS

- Frequency Range: SW6.5 42Hz-200Hz

- Power Requirements: (switchable)
  100~120V~; 220~240V~; 50/60Hz, 2A

- Overall Dimensions: (with grille)
  8-5/8" H x 8-3/8" W x 9-5/8" D

  (21.9cm H x 21.3cm W x 24.4cm D)

Weight: 11 lbs. (5.0 kg)

NILES

SW8

**8" Powered
Compact Subwoofer**

Packaged Individually

<u>Stock Number</u>

FG01670

FEATURES

- 1200W dynamic, digital power amplifier provides high output and high efficiency, with less heat produced compared to conventional analog power amplifiers.

- High-power, long-throw active woofer drivers feature black anodized aluminum cones, which provide superior rigidity compared to conventional paper cone designs.

- Dual anodized, aluminum cone passive radiators provide additional driver pistonic area, and their combined output along with the main active driver equals that of a larger single active driver.

- Stereo (L/R) line inputs along with unbuffered stereo pass-through line outputs, which also allows you to cascade the output up to three additional subwoofers.

- The C5-A2 port (RJ-45 connector) provides the option of an easier and less-expensive wire run using CAT-5 cable from the A/V receiver or processor to the subwoofer via an optional Niles CAT-5 Balun adapter / C5-A2 (FG01281) using standard CAT-5 wiring (sold separately).

- Wireless input port provides an additional input connection option via the available Niles Transmitter (FG01671) and SW-R Receiver (FG01672) wireless transmitter/receiver system. (Both sold separately)

- Adjustable frequency control (50 Hz~150 Hz) features a bypass position, eliminating low-pass filtering within the subwoofer. The variable phase control (0°~180°) allows precise phase matching with the main speakers.

- Auto Sense feature provides energy efficiency by putting the subwoofer into standby mode when no audio signals are input to the sub.

SPECIFICATIONS

- Driver Complement: One 8" long-throw, front-firing woofer; two 8" long-throw, side-mounted passive radiators

- Amplifier Power: 1200W dynamic; 300W RMS

- Frequency Range: 36Hz-200Hz

- Power Requirements: (switchable) 100~120V~; 220~240V~; 50/60Hz, 2A

- Overall Dimensions: (with grille)
  10-3/4" H x 10-1/2" W x 12-1/8" D
  (27.3cm H x 26.7cm W x 30.8cm D)

Weight: 16.5 lbs. (7.5 kg)

SW-R

Wireless Subwoofer Receiver

Packaged Individually

<u>Stock Number</u>

FG01672

FEATURES

- Advanced 2.4 GHz frequency hopping technology – Makes setting up a wireless connection hassle-free in even the most demanding environments
- One SW-T transmitter can be used with up to 4 SW-R receivers simultaneously – Allows the flexibility of easily expanding the bass in a room by adding additional subwoofers wirelessly
- Extremely low latency 20 millisecond design – Provides the audiophile grade experience that Niles customers demand
- Wireless Range – up to 48 feet (15 m) – Allows flexibility to place your subwoofers where the room aesthetics demand and to re-arrange whenever you want to
- Easy connection to Niles SW6.5 and SW8 subwoofers – The single connection for both signal and power makes an installation quick and easy
- Convenient one-button pairing – Allows an installer to set up a reliable wireless connection quickly and easily
- Gold-plated RCA Connectors – For a high quality connection that is built to last. Best in class adjacent channel rejection – Guarantees you the pure signal required for reliable audio performance
- Uncompressed wireless digital audio – The digital, error-correcting signals assure you that the subwoofer receives 100% of its audio signal, all day, and every day

SPECIFICATIONS

- Overall Dimensions: Chassis: 3.75" Length X 2.15" Wide X 1.15" High (9.525cm X 5.46cm X 2.92cm)

Warranty: Two-year limited

Shipping weight: 1 lb. (.45 Kg)

SW-T

Wireless Subwoofer Transmitter

Packaged Individually

<u>Stock Number</u>

FG01671

FEATURES

- Advanced 2.4 GHz frequency hopping technology – Makes setting up a wireless connection hassle-free in even the most demanding environments
- One SW-T transmitter can be used with up to 4 SW-R receivers simultaneously – Allows the flexibility of easily expanding the bass in a room by adding additional subwoofers wirelessly
- Extremely low latency 20 millisecond design – Provides the audiophile grade experience that Niles customers demand
- Wireless Range – up to 48 feet (15 m) – Allows flexibility to place your subwoofers where the room aesthetics demand and to re-arrange whenever you want to
- Easy connection to Niles SW6.5 and SW8 subwoofers – The single connection for both signal and power makes an installation quick and easy
- Convenient one-button pairing – Allows an installer to set up a reliable wireless connection quickly and easily
- Gold-plated RCA Connectors – For a high quality connection that is built to last. Best in class adjacent channel rejection – Guarantees you the pure signal required for reliable audio performance
- Uncompressed wireless digital audio – The digital, error-correcting signals assure you that the subwoofer receives 100% of its audio signal, all day, and every day

SPECIFICATIONS

- Overall Dimensions: Chassis: 3.75" Length X 2.15" Wide X 1.15" High (9.525cm X 5.46cm X 2.92cm) Antenna: 4.1" (10.5 Cm) Length

Warranty: Two-year limited

Shipping weight: 1 lb. (.45 Kg)

NILES®

LANDSCAPE SPEAKERS

Satellite Loudspeakers

Bring indoor audio enjoyment outdoors with Niles Landscape Audio.

Featuring weatherproof landscape speakers that blend seamlessly into any outdoor environment and a selection of burial-rated subwoofers that provide incredible performance even in the largest backyards, Landscape speakers from Niles are sure to bring brilliant audio performance to any outdoor space.

DURABLE WEATHERPROOF DESIGN

Weatherproof fiberglass reinforced ABS enclosures are rugged, ensure years of reliable performance and are no match for weed whackers and other outdoor lawn equipment.

NICKEL-PLATED BRASS FITTINGS

We've addressed a common failure point among other landscape speakers by relying on solid brass fittings that are then nickel plated rather than plastic.

ADJUSTABLE VOLUME CONTROL

Need it louder near the pool but quieter near your eating area? No problem! Control the volume of each speaker individually by adjusting the tap switch settings on the back of each speaker (70V/100V mode only).

BETTER COVERAGE

110-degree wide dispersion ensure outdoor filling sound with better coverage than a traditional speaker.

NI-GS-6

6" (152mm) 2-way All-Weather Outdoor Satellite Speaker

FEATURES

- 6" (152mm) Polypropylene Cone Woofer with NBR Surround
- 3/4" (20mm) Aluminum Dome Tweeter
- Weather-Resistant Fiberglass-Reinforced ABS Enclosure
- Sensitivity: 87dB
- Frequency Response: 100Hz-20kHz +/- 3dB
- Power Handling: Up to 120W
- Nominal Impedance: 8 ohms (in Bypass Mode)
- Tap Settings: 70V/100V: 3.75W (70V only), 7.5W, 15W, 30W, 8 Ohm (Bypass)
- Dimensions: 10-1/4" x 7-5/8" x 11-1/2" (260mm x 194mm x 292mm) (without accessories)
- Sold individually
- Mounting accessories sold separately

NI-GS-4

4" (100mm) 2-way All-Weather Outdoor Satellite Speaker

FEATURES

- 4" (100mm) Polypropylene Cone Woofer with NBR Surround
- 3/4" (20mm) Aluminum Dome Tweeter
- Weather-Resistant Fiberglass-Reinforced ABS Enclosure
- Sensitivity: 84dB
- Frequency Response: 110Hz-20kHz +/- 3dB
- Power Handling: Up to 90W
- Nominal Impedance: 8 ohms (in Bypass Mode)
- Tap Settings: 70V/100V: 3.75W (70V only), 7.5W, 15W, 30W, 8 Ohm (Bypass)
- Dimensions: 8-3/4"x 5-7/8" x 10-1/4" (223mm x 149mm x 260mm) (without accessories)
- Sold individually
- Mounting accessories sold separately

NILES®

LANDSCAPE SPEAKERS

In-Ground Subwoofers

WATERPROOF DESIGN

Waterproof HDPE enclosures are made from the same material used in municipal water supply lines. We even dunk test every subwoofer at the manufacturing facility before it ships to ensure no leaks.

HIGH-FLOW PORT DESIGN

The internal design of the port and canopy assembly spreads moving air evenly in a 360 degree pattern reducing air turbulence and eliminating annoying port noise.

WOOFER-COOLING AIR FLOW

The woofer magnet is located on the vented side of the enclosure which allows it to be cooled by airflow in and out the enclosure providing added longevity to the motor structure.

CRITTER-PROOF COVER

The port assembly is covered by an aluminum mesh grille that allows unrestricted airflow yet prevents intrusion of bugs, animals and debris.

NI-GSBSUB-12

12" (300mm) In-Ground Subwoofer

FEATURES

- 12" (300mm) Mica-injected Polypropylene cone woofer with NBR Surround
- Waterproof HDPE enclosure
- Buried Enclosure with critter-proof port assembly
- Optimized for use with OG-4 or OG-6 landscape speakers
- Sensitivity: 86dB
- Frequency Response: 28Hz-100Hz +/- 3dB
- Power Handling: Up to 500W
- Nominal Impedance: 8 ohms
- Dimensions: 35-3/4" x 15-3/4" x 33-3/16" (907mm x 400mm x 842.5mm (with port assembly installed)
- Recommended Amplifier: Crown CDi 2|600 Amplifier
- Sold individually

NI-GSBSUB-10

10" (250mm) In-Ground Subwoofer

FEATURES

- 10" (250mm) Mica-injected Polypropylene cone woofer with NBR Surround
- Waterproof HDPE enclosure
- Buried Enclosure with critter-proof port assembly
- Optimized for use with OG-4 or OG-6 landscape speakers
- Sensitivity: 84dB
- Frequency Response: 30Hz-100Hz +/- 3dB
- Power Handling: Up to 300W
- Nominal Impedance: 8 ohms
- Dimensions: 15-3/4" x 15-3/4" x 22-7/8" (400mm x 400mm x 580.2mm) (with port assembly installed)
- Recommended Amplifier: Crown CDi 2|600 Amplifier
- Sold individually

CROWN CDI DRIVECORE 2|600 POWER AMPLIFIER

Recommended Amplifier for Landscape Speakers and Subwoofer

FEATURES

- 600W x 2 at 4 Ohms
- Pre-loaded with custom DSP curves for landscape speakers and subwoofers
- Simultaneous 70V/100V and 8 Ohm operation
- 2U rack mountable
- Network controllable
- Compatible with Harman's HiQnet Audio Architect software
- Dimensions:
  19" x 12-1/4" x 3.5" (483mm x 311mm x 89mm)

NILES

AW-LS-STAKE

**Landscape Speaker
Stake Mount**

FEATURES

- 12" (300mm) stake mount for in-ground mounting
- Quick connect design for easy assembly
- Dimensions: 3-3/4" x 3-3/4" x 13" / (94mm x 94mmx 332mm)
- Sold individually

AW-LS-MOUNT

**Landscape Speaker
Surface Mount**

FEATURES

- Designed for mounting to flat surfaces like walls or decks
- Quick connect design for easy assembly
- Dimensions: 3-15/16" x 3-15/16" x 1-7/8" / (100mm x 100mm x 46.5mm)
- Sold individually

AW-LS-CONDUIT

**Landscape Speaker
Conduit Box Mount**

FEATURES

- Speaker mount for installations that use speaker wire in underground conduit
- Doubles as a wiring junction box
- Designed for use with standard ¾" conduit
- Stable base with aluminum spike reinforcement
- Quick connect design for easy assembly
- Weatherproof
- Includes additional 2" (50mm) extension arm for adjustable speaker height
- Dimensions:
  5-7/8" x 5-7/8" x 7-1/3" / (150mm x 150mm x 186mm) (without extension)
  5-7/8" x 5-7/8" x 9-1/3" / (150mm x 150mm x 237mm) (with extension)

CORNERS BEAUTIFULLY, EVEN IN THE ELEMENTS

OS Indoor/Outdoor Loudspeakers

Niles OS Indoor/Outdoor Loudspeakers are designed to deliver great sound indoors and out. Every model in the line is equipped to handle the most extreme conditions—from blazing sun in Miami to blizzards in Minneapolis. In fact, these rugged loudspeakers even surpass military anti-corrosion standards (MIL-STD-883D). But great build quality is nothing without great sound. And that's why the OS series is the best-selling loudspeaker line in its class.

By integrating the woofer basket into the baffle of the cabinet (a design we pioneered in our award-winning DS Directed Soundfield™ loudspeakers) we are able to increase the woofer cone area to cabinet width area ratio. This enables Niles OS Indoor/Outdoor Loudspeakers to provide levels of bass performance that substantially exceed their physical size.

The architecturally friendly design and integrated mounting bracket enable OS Indoor/Outdoor Loudspeakers to tuck discretely away in corners and under eaves. And even when used outdoors, every single model is backed by our Lifetime Limited Warranty. You can install the OS Series confidently knowing that they will perform brilliantly—for a lifetime.

LIFETIME LIMITED WARRANTY

TOUGH ENOUGH FOR MARINE APPLICATIONS AND BEACHFRONT LIVING. EXCEEDS MILITARY ANTI-CORROSION SPECS (MIL-STD-883D).

NILES.

KEY FEATURES

ALL-WEATHER VERSATILITY

OS Series Loudspeakers handle weather extremes and are even tough enough for marine applications and beachfront living.

INTEGRATED WOOFER/BAFFLE ASSEMBLY

We are able to substantially increase woofer cone size in relation to the cabinet size for bass performance that substantially exceeds other loudspeakers of similar size.

INDOOR AND OUTDOOR APPLICATIONS

These versatile loudspeakers also work well in home theater applications, kitchens, saunas, and bathrooms.

ARCHITECTURALLY FRIENDLY TAPERED SHAPE

We shaped the cabinets to facilitate mounting in corners and under eaves.

LIFETIME LIMITED WARRANTY

Install OS Series Loudspeakers with total confidence knowing they are backed by the best warranty in the business.

Low-Diffraction Grille and Front Baffle for Precise Imaging

Integrated Woofer/Baffle Assembly

Rigid, Acoustically Inert Cabinet

Versatile Integrated Mounting Bracket

Advanced Weatherproof Engineering

Inverted Gold-Plated 5-Way Binding Posts

MicroPerf™ Rustproof Aluminum Grilles

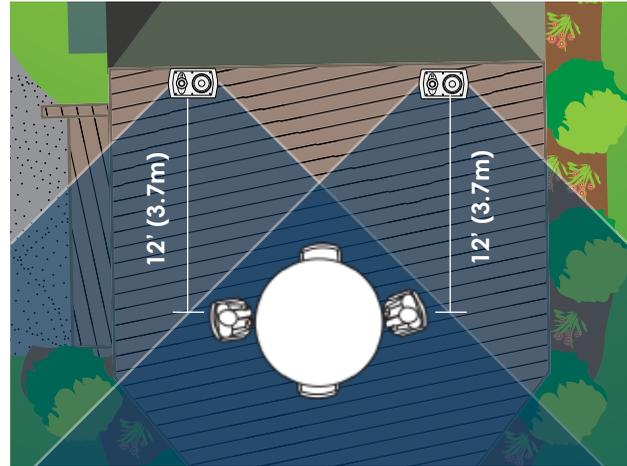OS LOUDSPEAKERS

Black   White

APPLICATIONS FOR OUTDOOR LOUDSPEAKERS

DESIGN TIP #1

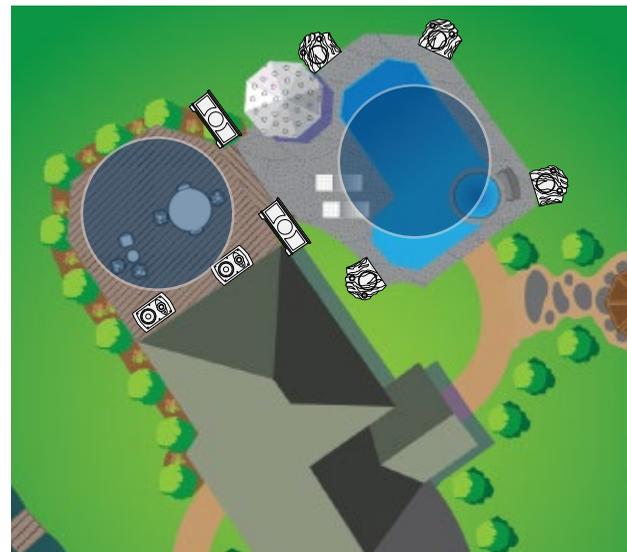### Position Loudspeakers Between 12' to 15' of the Listening Area

This guideline may sound simple, but it's amazing how often it's ignored. By positioning the loudspeakers between 12' (3.7m) to 15' (4.7m) of the listening area, you provide quality sound for the listeners at comfortable volume levels, without the need for huge amounts of amplifier power.

DESIGN TIP #2

More Loudspeakers Are Better Than More Power

When you have an oversized or a particularly large outdoor space, it's always better to add more loudspeakers than more power. In this Design Tip, we'll start with the same listening area from Design Tip #1, but we'll add a pool area that's 30' (9m) away. You could boost the amplifier power so the patio speakers play loud enough to reach the pool, but that would be too loud for those people on the patio. The better solution is more speakers to evenly distribute the sound at comfortable volume levels.

DESIGN TIP #3

Provide Independent Volume Controls for each Listening Area

Ideally, each listening area should be equipped with a way to adjust the volume. Installing a keypad or volume control for each listening area adds that extra flexibility to the outdoor space. By providing independent volume controls for each space, people sitting at the table can adjust the music to a comfortable level, while the swimmers in the pool can enjoy the music at a different volume level.

NILES®

OS7.3

High-Performance Indoor/Outdoor Loudspeaker

Weatherproof construction exceeds military anti-corrosion specs (MIL-STD-883D)

FEATURES

- Integrated woofer/baffle assembly increases cone area to provide powerful bass output
- 7" Mica-filled polypropylene woofer cone is extremely rigid to reduce breakup and lower distortion
- Butyl rubber cone surround damps resonance and provides exceptional durability
- 1" UltraSilk® dome tweeter with fluid-cooling provides ultra-wide dispersion and clear, detailed and extended high-frequency response

SPECIFICATIONS

- Recommended amplifier power: 5 – 150 watts
- Impedance: 8 ohms
- Frequency response: 65 Hz to 21 kHz +/-3dB
- Sensitivity: 91dB for 2.83V pink noise
- Dimensions (includes bracket):

  8-3/16" wide x 13-5/16" high x 9-3/16" deep
  (21 cm wide x 34 cm high x 23.3 cm deep)

Warranty: Lifetime Limited

Shipping weight: 21 lbs. (9.5 Kg)

Packaged in pairs

Color	Stock Number
White	FG00990
Black	FG00991

OS7.5

High-Performance Indoor/Outdoor Loudspeaker

Weatherproof construction exceeds military anti-corrosion specs (MIL-STD-883D)

FEATURES

- Integrated woofer/baffle assembly increases cone area to provide powerful bass output
- 7" interlaced carbon fiber woofer cone is extremely rigid to reduce breakup and lower distortion
- Butyl rubber cone surround damps resonance and provides exceptional durability
- Dispersion Stabilizer distributes midrange tones for clear off-axis sound
- 1" Tri-laminate Teteron® dome tweeter with fluid-cooling provides ultra-wide dispersion and clear and detailed high-frequency response

SPECIFICATIONS

- Recommended amplifier power: 5 – 150 watts
- Impedance: 8 ohms
- Frequency response: 60 Hz to 23 kHz +/-3dB
- Sensitivity: 91dB for 2.83V pink noise
- Dimensions (includes bracket):

  8-3/16" wide x 13-5/16" high x 9-3/16" deep
  (21 cm wide x 34 cm high x 23.3 cm deep)

Warranty: Lifetime Limited

Shipping weight: 23 lbs. (10.4 Kg)

Packaged in pairs

Color	Stock Number
White	FG00996
Black	FG00997

OS5.3SI

Stereo-Input Indoor/Outdoor Loudspeaker

Weatherproof construction exceeds military anti-corrosion specs (MIL-STD-883D)

Packaged Individually

Color	Stock Number
White	FG00998
Black	FG00999

FEATURES

- Integrated woofer/baffle assembly increases cone area to provide powerful bass output
- 5" Mica-filled polypropylene woofer cone is extremely rigid to reduce breakup and lower distortion
- Dual voice coils deliver both left and right channels from a single woofer
- Butyl rubber cone surround damps resonance and provides exceptional durability
- Stereo Imaging Tweeter Array directs the high-frequency sounds from both the left and right channels at opposing angles to preserve stereo separation
- Dual 1" UltraSilk® dome tweeters with fluid-cooling provides ultra-wide dispersion and clear, detailed and extended high-frequency response

SPECIFICATIONS

- Recommended amplifier power: 5 – 100 watts
- Impedance:
    - Wired Stereo, 8 ohm
    - Wired Mono (parallel), 4 ohm
- Frequency response: 85 Hz to 21 kHz +/-3dB
- Sensitivity: 90dB for 2.83V pink noise
- Dimensions (includes bracket):
  7-7/16" wide x 12" high x 7-3/4" deep
  (19 cm wide x 30.5 cm high x 19.7 cm deep)

Warranty: Lifetime Limited
Shipping weight: 10 lbs. (4.5 Kg)

OS6.3SI

Stereo-Input Indoor/Outdoor Loudspeaker

Weatherproof construction exceeds military anti-corrosion specs (MIL-STD-883D)

Packaged Individually

Color	Stock Number
White	FG01000
Black	FG01001

FEATURES

- Integrated woofer/baffle assembly increases cone area to provide powerful bass output
- 6" Mica-filled polypropylene woofer cone is extremely rigid to reduce breakup and lower distortion
- Dual voice coils deliver both left and right channels from a single woofer
- Butyl rubber cone surround damps resonance and provides exceptional durability
- Stereo Imaging Tweeter Array directs the high-frequency sounds from both the left and right channels at opposing angles to preserve stereo separation
- Dual 1" UltraSilk® dome tweeters with fluid-cooling provides ultra-wide dispersion and clear, detailed and extended high-frequency response

SPECIFICATIONS

- Recommended amplifier power: 5 – 125 watts
- Impedance:
    - Wired Stereo, 8 ohm
    - Wired Mono (parallel), 4 ohm
- Frequency response: 75 Hz to 21 kHz +/-3dB
- Sensitivity: 90dB for 2.83V pink noise
- Dimensions (includes bracket):
  8-3/16" wide x 13-5/16" high x 9-3/16" deep
  (21 cm wide x 34 cm high x 23.3 cm deep)

Warranty: Lifetime Limited
Shipping weight: 12 lbs. (5.4 Kg)

NILES®

OS7.3

High-Performance Indoor/ Outdoor Loudspeaker

Weatherproof construction exceeds military anti-corrosion specs (MIL-STD-883D)

FEATURES

- Integrated woofer/baffle assembly increases cone area to provide powerful bass output
- 7" Mica-filled polypropylene woofer cone is extremely rigid to reduce breakup and lower distortion
- Butyl rubber cone surround damps resonance and provides exceptional durability
- 1" UltraSilk® dome tweeter with fluid-cooling provides ultra-wide dispersion and clear, detailed and extended high-frequency response

SPECIFICATIONS

- Recommended amplifier power: 5 – 150 watts
- Impedance: 8 ohms
- Frequency response: 65 Hz to 21 kHz +/-3dB
- Sensitivity: 91dB for 2.83V pink noise
- Dimensions (includes bracket):

  8-3/16" wide x 13-5/16" high x 9-3/16" deep
  (21 cm wide x 34 cm high x 23.3 cm deep)

Warranty: Lifetime Limited

Shipping weight: 21 lbs. (9.5 Kg)

Packaged in pairs

Color	Stock Number
White	FG00990
Black	FG00991

OS7.5

High-Performance Indoor/ Outdoor Loudspeaker

Weatherproof construction exceeds military anti-corrosion specs (MIL-STD-883D)

FEATURES

- Integrated woofer/baffle assembly increases cone area to provide powerful bass output
- 7" interlaced carbon fiber woofer cone is extremely rigid to reduce breakup and lower distortion
- Butyl rubber cone surround damps resonance and provides exceptional durability
- Dispersion Stabilizer distributes midrange tones for clear off-axis sound
- 1" Tri-laminate Teteron® dome tweeter with fluid-cooling provides ultra-wide dispersion and clear and detailed high-frequency response

SPECIFICATIONS

- Recommended amplifier power: 5 – 150 watts
- Impedance: 8 ohms
- Frequency response: 60 Hz to 23 kHz +/-3dB
- Sensitivity: 91dB for 2.83V pink noise
- Dimensions (includes bracket):

  8-3/16" wide x 13-5/16" high x 9-3/16" deep
  (21 cm wide x 34 cm high x 23.3 cm deep)

Warranty: Lifetime Limited

Shipping weight: 23 lbs. (10.4 Kg)

Packaged in pairs

Color	Stock Number
White	FG00996
Black	FG00997

OS5.3SI

Stereo-Input Indoor/Outdoor Loudspeaker

Weatherproof construction exceeds military anti-corrosion specs (MIL-STD-883D)

Packaged Individually

Color	Stock Number
White	FG00998
Black	FG00999

FEATURES

- Integrated woofer/baffle assembly increases cone area to provide powerful bass output
- 5" Mica-filled polypropylene woofer cone is extremely rigid to reduce breakup and lower distortion
- Dual voice coils deliver both left and right channels from a single woofer
- Butyl rubber cone surround damps resonance and provides exceptional durability
- Stereo Imaging Tweeter Array directs the high-frequency sounds from both the left and right channels at opposing angles to preserve stereo separation
- Dual 1" UltraSilk® dome tweeters with fluid-cooling provides ultra-wide dispersion and clear, detailed and extended high-frequency response

SPECIFICATIONS

- Recommended amplifier power: 5 – 100 watts
- Impedance:
  - Wired Stereo, 8 ohm
  - Wired Mono (parallel), 4 ohm
- Frequency response: 85 Hz to 21 kHz +/-3dB
- Sensitivity: 90dB for 2.83V pink noise
- Dimensions (includes bracket):
  7-7/16" wide x 12" high x 7-3/4" deep
  (19 cm wide x 30.5 cm high x 19.7 cm deep)

Warranty: Lifetime Limited
Shipping weight: 10 lbs. (4.5 Kg)

OS6.3SI

Stereo-Input Indoor/Outdoor Loudspeaker

Weatherproof construction exceeds military anti-corrosion specs (MIL-STD-883D)

Packaged Individually

Color	Stock Number
White	FG01000
Black	FG01001

FEATURES

- Integrated woofer/baffle assembly increases cone area to provide powerful bass output
- 6" Mica-filled polypropylene woofer cone is extremely rigid to reduce breakup and lower distortion
- Dual voice coils deliver both left and right channels from a single woofer
- Butyl rubber cone surround damps resonance and provides exceptional durability
- Stereo Imaging Tweeter Array directs the high-frequency sounds from both the left and right channels at opposing angles to preserve stereo separation
- Dual 1" UltraSilk® dome tweeters with fluid-cooling provides ultra-wide dispersion and clear, detailed and extended high-frequency response

SPECIFICATIONS

- Recommended amplifier power: 5 – 125 watts
- Impedance:
  - Wired Stereo, 8 ohm
  - Wired Mono (parallel), 4 ohm
- Frequency response: 75 Hz to 21 kHz +/-3dB
- Sensitivity: 90dB for 2.83V pink noise
- Dimensions (includes bracket):
  8-3/16" wide x 13-5/16" high x 9-3/16" deep
  (21 cm wide x 34 cm high x 23.3 cm deep)

Warranty: Lifetime Limited
Shipping weight: 12 lbs. (5.4 Kg)

NILES®

BUILT LIKE A **TANK** AND
PLAYS LIKE **MOZART**

The Pro-Series Weatherproof Geo-Realistic™ Rock Loudspeakers

The NEW Professional Installation Weatherproof Rock Loudspeakers are ideal for any application of outdoor sound systems requiring Geo-Realistic™ camouflage. With enhanced features such as covered crossovers, NoFade™ UV protective paint and exceeding Military standards for corrosion, the Niles Pro series of rocks can last a lifetime, guaranteed!

What really makes GeoRealistic™ loudspeakers special are their features. The loudspeakers are built with a ConeForward™ design that positions the drivers close to the grille to markedly improve midrange intelligibility. Stereo-Input models are ideal when only one speaker is the best choice for the application.

And since we enhanced them to exceed even our expectations, they are covered under our Lifetime Limited Warranty. So for the best sound, the best looks, the best warranty…and the best profit potential for your outdoor installations, there's no reason to look anywhere else.
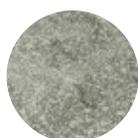
Granite   Sandstone   Coral   Speckled Granite   Shale Brown

NoFade™ PROTECTIVE PAINT

LIFETIME LIMITED WARRANTY

KEY FEATURES

GEOREALISTIC™ NOFADE™ COLORS AND FINISHES

Newley improved finish and color for ultra durability that will last a lifetime. Thes new Pro Series Rocks are built like a tank and perform beautifuly even in the harshest of climates.

STEREO-INPUT (SI) TECHNOLOGY

Select Rocks and all Planters take advantage of Niles' Stereo-Input Technology to create pleasing stereo sound from a single loudspeaker.

ADVANCED DRIVER MATERIALS

Our injection-molded TCC™ woofers and Teteron® tweeters are specifically designed to reproduce high-fidelity music and to handle the harshest outdoor weather conditions.

LIFETIME LIMITED WARRANTY

Install Niles weatherproof loudspeakers with total confidence knowing they are backed by the best warranty in the business.

AVAILABLE IN 4 SIZES

Whether you want a small discreet rock to hide in the garden or a full 8" woofer with Stereo Input Technology, we have the right speaker to 'Rock' the outdoors. Choose from 5 NoFade™ finishes.

RS5	RS6	RS6SI	RS8SI

NILES®

RS5PRO
5" Two-way High-Performance Rock Loudspeaker

Rock Speakers are available in 5 colors:

| Granite | Sandstone | Coral | Speckled Granite | Shale Brown |

Stock	Number
Granite	FG01681
Sandstone	FG01682
Coral	FG01685
Speckled Granite	FG01684
Shale	FG01683

FEATURES

- NoFade™ Protective Paint
- Weatherproof design surpasses military standard 883 for corrosion resistance
- Designed for extreme environmental conditions and both UV exposure and water resistance
- Proprietary 4-layer fiberglass construction makes the cabinet acoustically inert and completely weatherproof
- Artistically crafted cabinet with shaped MicroPerf™ aluminum grilles looks natural and realistic
- 5-1/4" (13.33 cm) talc-filled polypropylene woofer with butyl rubber surround
- 1/2" (1.3 cm) fluid-cooled Kaladex™ tweeter mounted at a 20-degree angle for optimum dispersion
- ConeForward™ driver placement and high-quality crossover design delivers "living room"-quality sonic performance to the outdoors
- Integrated security system supplied with the loudspeaker means it stays where you put it
- 3-foot burial-rated connection cable with waterproof wire-nuts ensures trouble-free connection to your system

SPECIFICATIONS

- Impedance: 8 ohms
- Recommended amplifier power: 10W to 100W
- Dimensions: 9-1/2" (24.1 cm) high x 10" (25.4 cm) wide x 8-1/2" (21.6 cm) deep
- Shipping weight: 11.5 lbs. (5.2 kg)
- Temperature Extremes: -50°F to 185°F (-45° to 85° Celsius)

RS6PRO
6-1/2" Two-way High-Performance Rock Loudspeaker

Rock Speakers are available in 5 colors:

| Granite | Sandstone | Coral | Speckled Granite | Shale Brown |

Stock	Number
Granite	FG01687
Sandstone	FG01688
Coral	FG01686
Speckled Granite	FG01690
Shale	FG01689

FEATURES

- No Fade™ Protective Paint
- Weatherproof design surpasses military standard 883 for corrosion resistance
- Designed for extreme environmental conditions and both UV exposure and water resistance
- Proprietary 4-layer fiberglass construction makes the cabinet acoustically inert and completely weatherproof
- Artistically crafted cabinet with shaped MicroPerf™ aluminum grilles looks natural and realistic
- 6-1/2" (16.51 cm) Injection-molded TCC (talc, carbon, and ceramic) filled polypropylene woofer with butyl rubber surround
- 1" (2.54 cm) fluid-cooled tri-laminate Teteron® tweeter mounted at a 20-degree angle for optimum dispersion
- ConeForward™ driver placement and high-quality crossover design delivers "living room"-quality sonic performance to the outdoors
- Integrated security system supplied with the loudspeaker means it stays where you put it
- 3-foot burial-rated connection cable with waterproof wire-nuts ensure trouble-free connection to your system

SPECIFICATIONS

- Impedance: 8 ohms
- Recommended amplifier power: 10W to 150W
- Dimensions: 12" (30.48 cm) high x 14" (35.56 cm) wide x 11" (27.94 cm) deep
- Shipping weight: 19 lbs. (8.55 kg)
- Temperature Extremes: -50°F to 185°F (-45° to 85° Celsius)

RS6SiPRO

6-1/2" Two-way Stereo-Input High-Performance Rock Loudspeaker

Rock Speakers are available in 5 colors:

Granite Sandstone Coral Speckled Granite Shale Brown

Stock	Number
Granite	FG01692
Sandstone	FG01693
Coral	FG01691
Speckled Granite	FG01695
Shale	FG01694

FEATURES

- No Fade™ Protective Paint
- Weatherproof design surpasses military standard 883 for corrosion resistance
- Designed for extreme environmental conditions and both UV exposure and water resistance
- Proprietary 4-layer fiberglass construction makes the cabinet acoustically inert and completely weatherproof
- Artistically crafted cabinet with shaped MicroPerf™ aluminum grilles looks natural and realistic
- 6-1/2" (16.51 cm) dual-voice-coil Injection-molded TCC (talc, carbon, and ceramic) filled polypropylene woofer with butyl rubber surround
- Dual 1" (2.54 cm) fluid-cooled tri-laminate Teteron® tweeter mounted at a custom angle for optimum dispersion
- ConeForward™ driver placement and high-quality crossover design delivers "living room"-quality sonic performance to the outdoors
- Integrated security system supplied with the loudspeaker means it stays where you put it
- 3-foot burial-rated connection cable with waterproof wire-nuts insures trouble-free connection to your system

SPECIFICATIONS

- Impedance:
  - Wired Stereo, 8 ohm
  - Wired Mono (parallel), 4 ohm
- Recommended amplifier power: 10W to 150W
- Dimensions: 12" (30.48 cm) high x 14" (35.56 cm) wide x 11" (27.94 cm) deep
- Shipping weight: 19 lbs. (8.55 kg)
- Temperature Extremes: -50°F to 185°F (-45° to 85° Celsius)

NILES®

RS8SiPRO

8" Two-way Stereo-Input High-Performance Rock Loudspeaker

Rock Speakers are available in 5 colors:

| Granite | Sandstone | Coral | Speckled Granite | Shale Brown |

Stock	Number
Granite	FG01697
Sandstone	FG01698
Coral	FG01696
Speckled Granite	FG01699
Shale	FG01700

FEATURES

- NoFade™ Protective Paint

- Weatherproof design surpasses military standard 883 for corrosion resistance

- Designed for extreme environmental conditions and both UV exposure and water resistance

- Proprietary 4-layer fiberglass construction makes the cabinet acoustically inert and completely weatherproof

- Artistically crafted cabinet with shaped MicroPerf™ aluminum grilles looks natural and realistic

- 8" (20.32 cm) dual-voice-coil injection-molded TCC (talc, carbon, and ceramic) filled polypropylene woofer with butyl rubber surround

- Dual 1" (2.54 cm) fluid-cooled tri-laminate Teteron® tweeter mounted at a custom angle for optimum dispersion

- Separate left- and right-channel inputs provide stereo sound in a single loudspeaker projecting quality stereo sound over a larger area than conventional loudspeakers

- ConeForward™ driver placement and high-quality crossover design delivers "living room"-quality sonic performance to the outdoors

- Integrated security system supplied with the loudspeaker means it stays where you put it

- Dual 3-foot burial-rated connection cables with waterproof wire-nuts ensure trouble-free connection

- Can be wired in one-speaker stereo-input mode or two-speaker stereo mode

SPECIFICATIONS

- Impedance:
  - Wired Stereo, 8 ohm
  - Wired Mono (parallel), 4 ohm

- Recommended amplifier power: 10W to 200W

- Dimensions: 12-1/2" (31.75 cm) high x 19-1/2" (49.53 cm) wide x 16-1/2" (41.91 cm) deep

- Shipping weight: 27.9 lbs. (12.7 kg)

- Temperature Extremes: -50°F to 185°F (-45° to 85° Celsius)

WHEN ENTERTAINING MOVES **OUTDOORS**

Rock and Planter Loudspeakers

Rugged good looks and natural sound make Niles' GeoRealistic™ Rock and Planter Loudspeakers the professionals' choice for outdoor music applications. We achieved our leadership role by offering a wide range of models and finishes designed to blend into virtually any outdoor environment. Our popular Rocks are available in granite, speckled granite, coral, sandstone, and shale brown, while our Planters (and yes, you can really use them as planters) come in terracotta and weathered concrete finishes.

We spent a lot of time making them look good. But it's the way they sound that really makes GeoRealistic™ loudspeakers special. For example, our ConeForward™ design positions the drivers close to the grille to markedly improve midrange intelligibility. Our PS6Si Planter features an innovative movable tweeter assembly that adjusts the sound dispersion from 180° for placement in open areas, to 90° for corners.

And since we build them so well, they come with our Lifetime Limited Warranty. So there you go: the best sound, the best looks, the best warranty…and the best profit potential. For your outdoor installations, there's no reason to look anywhere else.

Terracotta

Weathered Concrete

LIFETIME LIMITED WARRANTY

NILES.

APPLICATIONS FOR ROCK AND PLANTER LOUDSPEAKERS

Our versatile Rock and Planter loudspeakers cover virtually every outdoor application, are built for years of trouble-free use, and feature the peace of mind that comes with our Lifetime Limited warranty.

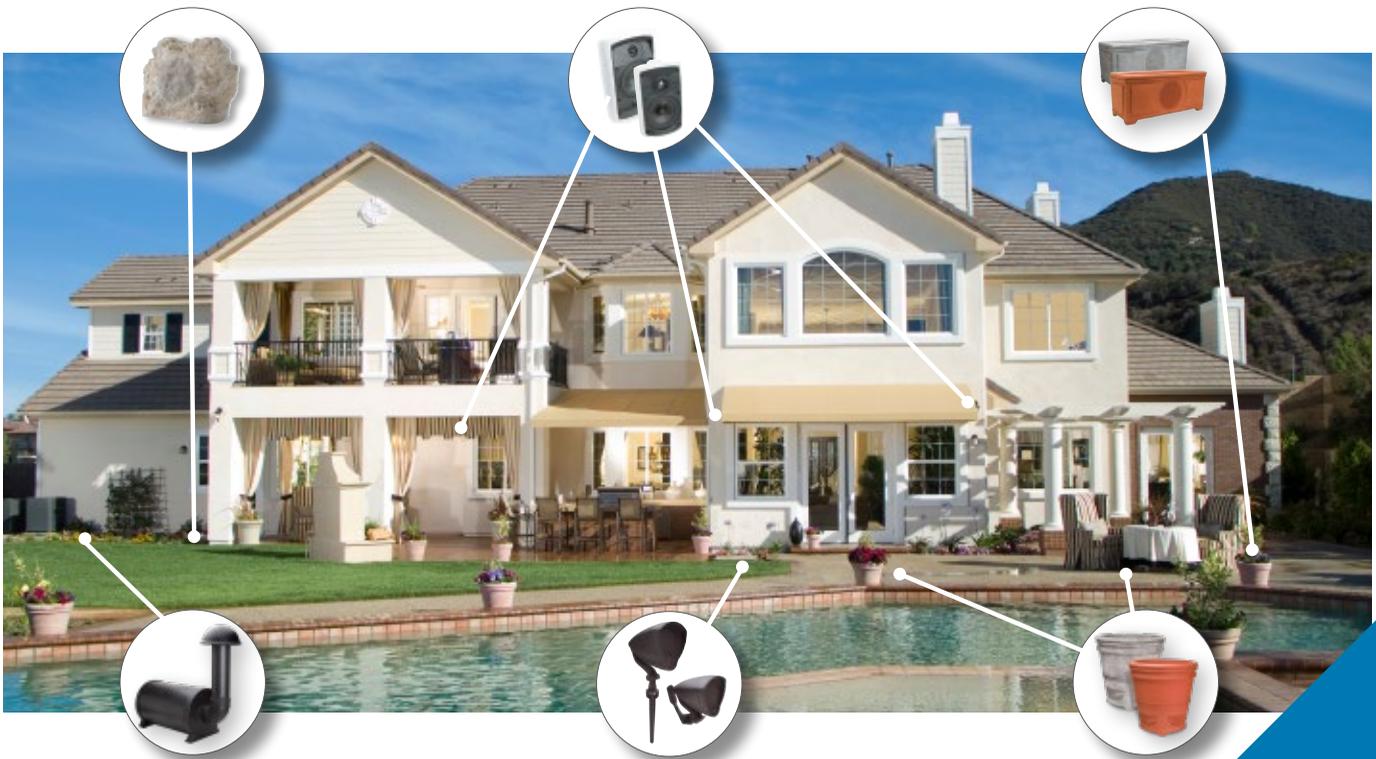## Pools and Patios

Solution: Niles Planter Loudspeakers
Use Niles Planter Loudspeakers to combine great outdoor sound with beautiful landscaping. Choose from two different styles: the traditional circular planter shape, and a rectangular box shape. Niles Planter Loudspeakers can be configured in two-speaker stereo, single-speaker stereo, and monophonic modes.

Gardens and Landscaping

Solution: Niles Rock Loudspeakers
With five different GeoRealistic™ finishes, Niles Rock Loudspeakers are sure to be the perfect match with any outdoor environment. Spread them evenly throughout your backyard landscaping to provide even sound coverage throughout the outdoor area.

PS6SIPRO

Stereo-Input, High-Performance Planter Loudspeaker, 6 1/2" Two-Way

Mono, two-speaker stereo, or single-speaker stereo-input modes

Terracotta

Packaged Individually

Stock Number

FG01679

Weathered Concrete

Packaged Individually

Stock Number

FG01680

FEATURES

- Artistically crafted cabinet with shaped MicroPerf™ aluminum grilles looks like the real thing
- 6-1/2" dual voice coil injection-molded TCC (talc, carbon, and ceramic-filled) polypropylene woofer with butyl rubber surround for deep, low-distortion bass response
- Dual 1" fluid-cooled tri-laminate Teteron® dome tweeter assembly has adjustable sound dispersion from 180° (for open spaces) to 90° (for corners)
- Separate left and right channel inputs provide satisfying stereo sound from a single loudspeaker
- Weatherproof design ensures High-Performance and longevity
- Designed to accommodate live plants
- Dual 3-foot burial-rated connection cables with waterproof wire-nuts for a trouble-free connection
- Can be wired in mono, two-speaker stereo, or single-speaker stereo-input modes

SPECIFICATIONS

- Recommended amplifier power: 10 – 150 watts
- Impedance: Wired Stereo, 8 ohm / Wired Mono (parallel), 4 ohm
- Frequency response: 60 Hz – 21 kHz +/-3 dB
- Sensitivity: 89 dB for 2.83V pink noise
- Dimensions: 19-1/2" wide x 19-1/2" high x 19-1/2" deep (50 cm wide x 50 cm x 50 cm deep)

Warranty: Lifetime Limited

Shipping weight: 35 lbs. (16 Kg)

PB6SIPRO

Dual-Tweeter, High-Performance Planter Loudspeaker, 6 1/2" Two-Way

Mono, two-speaker stereo, or single-speaker stereo-input modes

Terracotta

Packaged Individually

Stock Number

FG01677

Weathered Concrete

Packaged Individually

Stock Number

FG01678

FEATURES

- Artistically crafted cabinet with shaped MicroPerf™ aluminum grilles looks like the real thing
- 6-1/2" dual voice coil injection-molded TCC (talc, carbon, and ceramic-filled) polypropylene woofer with butyl rubber surround for deep, low-distortion bass response
- Dual 1" fluid-cooled tri-laminate Teteron® dome tweeter assembly has adjustable sound dispersion from 180° (for open spaces) to 90° (for corners)
- Separate left and right channel inputs provide satisfying stereo sound from a single loudspeaker
- Weatherproof design ensures High-Performance and longevity
- Designed to accommodate live plants
- Dual 3-foot burial-rated connection cables with waterproof wire-nuts for a trouble-free connection
- Can be wired in mono, two-speaker stereo, or single-speaker stereo-input modes

SPECIFICATIONS

- Recommended amplifier power: 10 – 150 watts
- Impedance: Wired Stereo, 8 ohm / Wired Mono (parallel), 4 ohm
- Frequency response: 60 Hz – 21 kHz +/-3 dB
- Sensitivity: 89 dB for 2.83V pink noise
- Dimensions: 28" wide x 12-1/2" high x 11-1/2" deep (71 cm wide x 32 cm x 29 cm deep)

Warranty: Lifetime Limited

Shipping weight: 35 lbs. (16 Kg)

NILES®

QUICK REFERENCE GUIDE

Stock No.	Model	Part Description	Unit	MC
REAR WAVE CONTROL CEILING-MOUNT LOUDSPEAKER ACCESSORIES				
FG01645	**SG7C**	Square Grille for 7" DS Loudspeakers	PR	N/A
FG01647	**NCB7C**	New Construction Bracket for 7" DS Loudspeakers	PR	N/A
FG01646	**SG8C**	Square Grille for 8" DS Loudspeakers	PR	N/A
FG01648	**NCB8C**	New Construction Bracket for 8" DS Loudspeakers	PR	N/A
DIRECTED SOUNDFIELD (DS) CEILING-MOUNT LOUDSPEAKERS				
FG01614	**DS7MP**	7" DS Multi-Purpose Loudspeaker	EA	N/A
FG01617	**DS7PR**	7" DS Performance Loudspeaker	EA	N/A
FG01621	**DS7HD**	7" DS High Def Loudspeaker	EA	N/A
FG01618	**DS7FX**	7" DS Surround Effects Loudspeaker	PR	N/A
FG01616	**DS7SI**	7" DS Stereo-Input Loudspeaker	EA	N/A
FG01619	**DS8PR**	8" DS Performance Loudspeaker	EA	N/A
FG01623	**DS8HD**	8" DS High Def Loudspeaker	EA	N/A
FG01624	**DS8FX**	8" DS Surround Effects Loudspeaker	PR	N/A
DIRECTED SOUNDFIELD CEILING-MOUNT LOUDSPEAKER ACCESSORIES				
FG01643	**RWE7C**	7" Rear Wave Control Enclosure	EA	N/A
FG01645	**SG7C**	7" Square MicroThin Grille Cover	PR	N/A
FG01647	**NCB7C**	7" New Construction Bracket	PR	N/A
FG01644	**RWE8C**	8" Rear Wave Control Enclosure	EA	N/A
FG01646	**SG8C**	8" Square MicroThin Grille Cover	PR	N/A
FG01648	**NCB8C**	8" New Construction Bracket	PR	N/A

QUICK REFERENCE GUIDE

Stock No.	Model	Part Description	Unit	MC
CEILING-MOUNT (CM) LOUDSPEAKERS				
FG01666	**CM4PR**	3-1/2" Two-Way CM Performance Loudspeaker	EA	4
FG01294	**CM610**	6" Two-Way CM Multi-Purpose Loudspeaker	PR	4
FG01295	**CM630**	6" Two-Way CM Performance Loudspeaker	PR	4
FG01655	**CM7BG**	7" Two-Way CM Background Loudspeaker	EA	4
FG01665	**CM7SD**	7" Two-Way CM Slim Design Performance Loudspeaker	EA	4
FG01656	**CM7MP**	7" Two-Way CM Multi-Purpose Loudspeaker	EA	4
FG01657	**CM7PR**	7" Two-Way CM Performance Loudspeaker	EA	4
FG01658	**CM7HD**	7" Two-Way CM High Def Loudspeaker	EA	4
FG01660	**CM7FX**	7" Two-Way CM Surround Effects Performance Loudspeaker	PR	2
FG01659	**CM7SI**	7" Two-Way CM Stereo Input Loudspeaker	EA	4
FG01661	**CM8MP**	8" Two-Way CM Multi-Purpose Loudspeaker	EA	4
FG01662	**CM8PR**	8" Two-Way CM Performance Loudspeaker	EA	4
FG01663	**CM8HD**	8" Two-Way CM High Def Loudspeaker	EA	4
FG01664	**CM8SI**	8" Two-Way CM Stereo-Input Loudspeaker	EA	4
CEILING-MOUNT LOUDSPEAKERS ACCESSORIES				
FG01674	**SG4C**	4" Square MicroThin Grilles	PR	8
FG01673	**NCB4C**	4" New Construction Bracket	PR	4
FG01300	**CM600 BKT**	6" New Contruction Bracket	PR	4
FG01645	**SG7C**	7" Square MicroThin Grilles	PR	8
FG01647	**NCB7C**	7" New Construction Bracket	PR	4
IN-WALL LOUDSPEAKERS				
FG00874	**MP5R**	5-1/4" Two-Way In-Wall High-Definition Loudspeaker; Incl. Bracket	PR	4
FG00882	**HD5R**	5-1/4" Two-Way In-Wall High-Definition Loudspeaker; Incl. Bracket	PR	4
FG00876	**MP6R**	6-1/2" Two-Way In-Wall Multi-Purpose Loudspeaker; Incl. Bracket	PR	4
FG00880	**PR6R**	6-1/2" Two-Way In-Wall Performance Loudspeaker; Incl. Bracket	PR	4
FG00884	**HD6R**	6-1/2" Two-Way In-Wall High-Definition Loudspeaker; Incl. Bracket	PR	4
FG00886	**HD8R**	8" Two-Way In-Wall High-Definition Loudspeaker; Incl. Bracket	PR	2

NILES

QUICK REFERENCE GUIDE

Stock No.	Model	Part Description	Unit	MC
IN-WALL LOUDSPEAKERS ACCESSORIES				
FG00321	**8 SERIES BRACKET**	Bracket Kit on Both Model & Description for 8 Series	PR	2
FG00320	**6 SERIES BRACKET**	Bracket Kit on Both Model & Description for 6 Series	PR	4
HD HIGH-DEFINITION HOME THEATER LOUDSPEAKER				
FG01151	**HDLCR**	In-Wall High-Definition Loudspeaker	EA	3
FG01155	**HDFX**	In-Wall Side/Rear Channel Effects High-Definition Loudspeaker	PR	2
HD HIGH-DEFINITION LOUDSPEAKER ACCESSORIES				
FG01152	**LCR/FX BRACKET KIT**	New Construction Bracket for HDLCR and HDFX In-Wall Loudspeakers	EA	10
CYNEMA SOUNDFIELD IN-WALL SOUNDBAR				
FG01710	**CSF65A**	65" In-Wall Soundbar (Active)	EA	N/A
FG01709	**CSF55A**	55" In-Wall Soundbar (Active)	EA	N/A
FG01708	**CSF48A**	48" In-Wall Soundbar (Active)	EA	N/A
FG01707	**CSF48P**	48" In-Wall Soundbar (Passive)	EA	N/A
POWERED COMPACT SUBWOOFERS				
FG01669	**SW6.5**	6-1/2" Powered Compact Subwoofer	EA	4
FG01670	**SW8**	8" Powered Compact Subwoofer	EA	4
POWERED COMPACT SUBWOOFER ACCESSORIES				
FG01671	**SW-T**	Wireless Subwoofer Transmitter	EA	N/A
FG01672	**SW-R**	Wireless Subwoofer Receiver	EA	N/A
OS INDOOR/OUTDOOR LOUDSPEAKERS				
FG00986	**OS5.3 WHITE**	5" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00987	**OS5.3 BLACK**	5" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00992	**OS5.5 WHITE**	5" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00993	**OS5.5 BLACK**	5" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00988	**OS6.3 WHITE**	6" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00989	**OS6.3 BLACK**	6" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00994	**OS6.5 WHITE**	6" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00995	**OS6.5 BLACK**	6" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00990	**OS7.3 WHITE**	7" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00991	**OS7.3 BLACK**	7" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00996	**OS7.5 WHITE**	7" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00997	**OS7.5 BLACK**	7" High-Performance Indoor/Outdoor Loudspeaker	PR	2
FG00998	**OS5.3SI WHITE**	5" Stereo-Input Indoor/Outdoor Loudspeaker	EA	4
FG00999	**OS5.3SI BLACK**	5" Stereo-Input Indoor/Outdoor Loudspeaker	EA	4
FG01000	**OS6.3SI WHITE**	6" Stereo-Input Indoor/Outdoor Loudspeaker	EA	4
FG01001	**OS6.3SI BLACK**	5" Stereo-Input Indoor/Outdoor Loudspeaker	EA	4

QUICK REFERENCE GUIDE

Stock No.	Model	Part Description	Unit	MC
GARDEN SERIES LOUDSPEAKERS				
FG01667	**GS4**	High-Performance Garden Satellite Loudspeaker	PR	--
FG01668	**GSS10**	High-Performance Outdoor Subwoofer	EA	--
PRO SERIES ROCK SPEAKERS				
FG01681	**RS5PRO GRANITE**	5" Two-way High-Performance Rock Loudspeaker		
FG01682	**RS5PRO SANDSTONE**	5" Two-way High-Performance Rock Loudspeaker		
FG01683	**RS5PRO SHALE BROWN**	5" Two-way High-Performance Rock Loudspeaker		
FG01684	**RS5PRO SPECKLED**	5" Two-way High-Performance Rock Loudspeaker		
FG01685	**RS5PRO CORAL**	5" Two-way High-Performance Rock Loudspeaker		
FG01686	**RS6PRO CORAL**	6 1/2" Two-way High-Performance Rock Loudspeaker		
FG01687	**RS6PRO GRANITE**	6 1/2" Two-way High-Performance Rock Loudspeaker		
FG01688	**RS6PRO SANDSTONE**	6 1/2" Two-way High-Performance Rock Loudspeaker		
FG01689	**RS6PRO SHALE BROWN**	6 1/2" Two-way High-Performance Rock Loudspeaker		
FG01690	**RS6PRO SPECKLED**	6 1/2" Two-way High-Performance Rock Loudspeaker		
FG01691	**RS6SiPRO CORAL**	6 1/2" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01692	**RS6SiPRO GRANITE**	6 1/2" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01693	**RS6SiPRO SANDSTONE**	6 1/2" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01694	**RS6SiPRO SHALE BROWN**	6 1/2" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01695	**RS6SiPRO SPECKLED**	6 1/2" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01696	**RS8SiPRO CORAL**	8" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01667	**RS8SiPRO GRANITE**	8" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01668	**RS8SiPRO SANDSTONE**	8" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01669	**RS8SiPRO SHALE BROWN**	8" Two-way Stereo-input High-Performance Rock Loudspeaker		
FG01670	**RS8SiPRO SPECKLED**	8" Two-way Stereo-input High-Performance Rock Loudspeaker		
PLANTER SPEAKERS				
FG01679	**PS6SiPRO TERRACOTTA**	Stereo-input, High-Performance Planter Loudspeaker, 6 1/2" Two-Way		
FG01680	**PS6SiPRO WEATHERED CONCRETE**	Stereo-input, High-Performance Planter Loudspeaker, 6 1/2" Two-Way		
FG01677	**PB6SiPRO TERRACOTTA**	Dual-tweeter, High-Performance Planter Loudspeaker, 6 1/2" Two-Way		
FG01678	**PB6SiPRO WEATHERED CONCRETE**	Dual-tweeter, High-Performance Planter Loudspeaker, 6 1/2" Two-Way		

NILES®

GENERAL PRODUCTS
Complete Jobs with Confidence

Niles Controls and Accessories ensure that your installations are the smoothest they can be so that you can complete every job with confidence. Niles features the most advanced line of IR extender systems on the market today, a family of speaker selection systems that serve as the industry benchmark, and Baluns that simplify every installation, adding flexibility and reducing cost on every job. Complete the connected experience here.

NILES

NILES

INGENIOUS IR

SPEAKER SELECTION SYSTEMS

CAT-5 BALUNS

AUTOMATED SWITCHING SYSTEMS

VOLUME CONTROL SYSTEMS

INSTALL WITH CONFIDENCE

High-Fidelity Wideband IR Extender Systems

Niles offers the most advanced line of IR extender systems on the market today. Our IR Sensors have been redesigned to make them compatible with a new generation of IR code formats found on many new high-definition, multimedia source devices. The sensors feature a high-fidelity wideband amplifier that can accurately pass these IR code formats, Philips RCMM codes. In addition, a patent–pending Universal Noise Suppression design effectively eliminates IR interference from plasmas, LCDs, and CFL lighting while maintaining signal integrity. This two-stage technology combines an optical noise filter with a "smart" electronic circuit to provide consistent, reliable control. Best of all, these advanced technologies are found in each new Niles IR Sensor. Niles IR enables fast, predictable installations in any environment, without the added cost of carrying specialized inventory.

NILES®

RCA-HT2

Remote Control Anywhere!® Kit for Home Theater Application

Includes: Sensor, main system unit, flashers, and 50' of CAT-5 cable

Packaged for retail display

Model	Stock Number
Black	FG01586

FEATURES

- High-Fidelity Wideband Amplifier accurately passes high-data-rate IR code formats, including Philips RCMM codes
- Universal Noise Suppression effectively eliminates the IR interference from plasmas, LCDs, and CFL lighting
- One MS220 Surface-Mount IR Sensor in black
- One MSU250 IR Main System Unit
- Five MF1VF MicroFlashers® with visible feedback
- 50' of CAT-5 cable
- UL-listed regulated in-line power supply with universal voltage

SPECIFICATIONS

- Box Dimensions: 13" wide x 7-7/8" high x 3-1/2" deep (33 cm wide x 20 cm high x 9 cm deep)

Warranty: Two-year limited

Shipping weight: 5 lbs. (2.3 Kg)

RCA-SM2

Remote Control Anywhere!® Kit with Surface Mount Sensor

Includes: Sensor, main system unit, flashers, and 50' of CAT-5 cable

Packaged for retail display

Model	Stock Number
Black	FG01585

FEATURES

- High-Fidelity Wideband Amplifier accurately passes high-data-rate IR code formats, including Philips RCMM codes
- Universal Noise Suppression effectively eliminates the IR interference from plasmas, LCDs, and CFL lighting
- One MS220 Surface-Mount IR Sensor in black
- One MSU140 IR Main System Unit
- Three MF1 MicroFlashers®
- 50' of CAT-5 cable
- UL-listed regulated in-line power supply with universal voltage

SPECIFICATIONS

- Box Dimensions: 13" wide x 7-7/8" high x 3-1/2" deep (33 cm wide x 20 cm high x 9 cm deep)

Warranty: Two-year limited

Shipping weight: 5 lbs. (2.3 Kg)

RCA-TT2

Remote Control Anywhere!® Kit with Tabletop Sensor

Includes: Sensor, main system unit, flashers, and 50' of CAT-5 cable

Packaged for retail display

Stock Number

FG01584

FEATURES

- High-Fidelity Wideband Amplifier accurately passes high-data-rate IR code formats, including Philips RCMM codes
- Universal Noise Suppression effectively eliminates the IR interference from plasmas, LCDs, and CFL lighting
- One TS120 Tabletop IR Sensor
- One MSU140 IR Main System Unit
- Three MF1 MicroFlashers®
- 50' of CAT-5 cable
- UL-listed regulated in-line power supply with universal voltage

SPECIFICATIONS

- Box Dimensions: 13" wide x 7-7/8" high x 3-1/2" deep (33 cm wide x 20 cm high x 9 cm deep)

Warranty: Two-year limited
Shipping weight: 5 lbs. (2.3 Kg)

MS220

Surface-Mount IR MicroSensor®

Packaged for retail display

Surface-mounts virtually anywhere, even on plasma displays

Color	Stock Number
Black	FG01577

FEATURES

- High-Fidelity Wideband Amplifier accurately passes high-data-rate IR code formats, including Philips RCMM codes
- Universal Noise Suppression effectively eliminates the IR interference from plasmas, LCDs, and CFL lighting
- Receiving range is typically 20' - 36'
- Bi-color visible feedback LED
- Includes 10' of connecting wire
- Secure 3M adhesive backing

SPECIFICATIONS

- Dimensions: 2" wide x 11/16" high x 1/2" deep (50.8 mm wide x 17.4 mm high x 12.7 mm deep)

Warranty: Two-year limited
Shipping weight: 1 lb. (.5 Kg)

NILES®

MS120

Miniature Flush-Mount IR MicroSensor®

Packaged for retail display

Flush-mounts into a 1/2" diameter hole

<u>Stock Number</u>

FG01580

includes black
and white
bezels

Actual size of sensor

FEATURES

- High-Fidelity Wideband Amplifier accurately passes high-data-rate IR code formats, including Philips RCMM codes
- Universal Noise Suppression effectively eliminates the IR interference from plasmas, LCDs, and CFL lighting
- Receiving range is typically 20' - 35'
- Includes 10' of connecting wire
- Designed for discrete mounting
- Includes black and white bezels

SPECIFICATIONS

- Dimensions:

Lens bezel:	23/32" diameter x 5/16" high (17.8 mm diameter x 7.9 mm high)
Overall:	23/32" diameter x 2-7/8" high (17.8 mm diameter x 72.9 mm high

Hole cutout: 1/2" (1.27 cm) diameter

Warranty: Two-year limited
Shipping weight: 1 lb. (.5 Kg)

WS120

Wall-Mount IR Sensor

Packaged for retail display

Includes Decora® faceplate

Color	Stock Number
White	FG01582

FEATURES

- High-Fidelity Wideband Amplifier accurately passes high-data-rate IR code formats, including Philips RCMM codes
- Universal Noise Suppression effectively eliminates the IR interference from plasmas, LCDs, and CFL lighting
- Receiving range is typically 20' - 35'
- Bi-color visible feedback LED
- Packaged for discrete mounting
- Fits into a single-gang box

SPECIFICATIONS

- Dimensions: 2-3/4" wide x 4-1/2" high x 1-1/4 deep
  (7 cm wide x 11.4 cm high x 3.2 cm deep)
- Requires 1-gang electrical box at least 1-1/2" (4cm) deep

Warranty: Two-year limited

Shipping weight: 1 lbs. (0.5 Kg)

TS120

Tabletop IR Sensor

Packaged for retail display

Stock Number

FG01581

FEATURES

- High-Fidelity Wideband Amplifier accurately passes high-data-rate IR code formats, including Philips RCMM codes
- Universal Noise Suppression effectively eliminates the IR interference from plasmas, LCDs, and CFL lighting
- Receiving range is typically 20' - 36'
- Bi-color visible feedback LED

SPECIFICATIONS

- Dimensions: 2-7/8" wide x 1-1/16" high x 3-1/8" deep
  (73 mm wide x 27 mm high x 79.4 mm deep)

Warranty: Two-year limited

Shipping weight: 1 lbs. (0.5 Kg)

NILES®

MSU140

IR Repeater System for Single-Zone Applications

One sensor input with four flasher outputs

Packaged for retail display

Stock Number

FG01002

FEATURES

- One sensor input with removable screwless connectors
- Use with IRH610 (FG01018 to provide additional inputs)
- Four flasher outputs with 3.5mm flasher output jacks
- Low-profile, small footprint for unobtrusive installation
- Integrated mounting wings accommodate both vertical and horizontal installation
- UL-listed regulated in-line power supply with universal voltage capability
- 12-volt DC status input jack
- System feedback LED indicator provides visual indication of operation
- Rugged all-metal chassis construction

SPECIFICATIONS

- Dimensions: 4-3/4" wide x 1-1/4" high x 2" deep
  (12 cm wide x 3.2 cm high x 5 cm deep)

Warranty: Two-year limited

Shipping weight: 1 lbs. (0.5 Kg)

MSU250

IR Repeater System for Single-Zone Applications

Two sensor inputs with five flasher outputs

Packaged for retail display

Stock Number

FG01003

FEATURES

- Two sensor inputs with removable screwless connectors
- Use with IRH610 (FG01018 to provide additional inputs)
- Five flasher outputs with 3.5mm flasher output jacks including: two switchable high/low flasher jacks for driving IRB1 flooding flashers or MicroFlashers®
- Low-profile, small footprint for unobtrusive installation
- Integrated mounting wings accommodate both vertical and horizontal installation
- UL-listed regulated in-line power supply with universal voltage capability
- 12-volt DC status input jack
- 3.5mm 12-volt output jack triggered by the presence of status or discrete IR commands

SPECIFICATIONS

- Dimensions: 5-5/8" wide x 1-1/4" high x 2" deep
  (14.3 cm wide x 3.2 cm high x 5 cm deep)

Warranty: Two-year limited

Shipping weight: 2 lbs. (.5 Kg)

MSU480

IR Repeater System for Single-Zone Applications

Four sensor inputs with eight flasher outputs

Packaged for retail display

Stock Number

FG01004

FEATURES

- Four sensor inputs with removable screwless connectors
- Use with IRH610 (FG01018 to provide additional inputs)
- Eight flasher outputs with 3.5mm flasher output jacks
- Low-profile, small footprint for unobtrusive installation
- Integrated mounting wings accommodate both vertical and horizontal installation
- UL-listed regulated in-line power supply with universal voltage capability
- 12-volt DC status input jack
- 3.5mm 12-volt output jack and integrated contact closure triggered by the presence of status or discrete IR commands

SPECIFICATIONS

- Dimensions: 7" wide x 1-1/4" high x 2" deep (17.8 cm wide x 3.2 cm high x 5 cm deep)

Warranty: Two-year limited
Shipping weight: 2 lbs. (.5 Kg)

IRB1

High-Output IR Flasher

For use with all Niles IR main system units, MultiZone receivers and preamplifiers

Packaged for retail display

Stock Number

FG01023

FEATURES

- Controls an entire stack of audio/video components
- High-power output
- Perfect for mounting to the inside of a cabinet door or at the top of an equipment rack
- Adhesive backing for quick-and-easy mounting
- Not compatible with MSU140

SPECIFICATIONS

- Dimensions: 1" wide x 3/8" high x 2-1/4" deep (2.5 cm wide x 1 cm high x 5.7 cm deep)

Warranty: Two-year limited
Shipping weight: 1 lb. (.5 Kg)

MF1

IR MicroFlasher®

For use with all Niles IR main system units, MultiZone receivers and preamplifiers

Packaged for retail display

Stock Number

FG01019

Bulk Package
MV1VF Bulk
FG01161

FEATURES

- Transparent to infrared light
- One MF1 required for each component you wish to control
- Low-profile, extremely small footprint
- 10' cable with 3.5mm plug for easy installation
- Includes improved elastomer-style blocking cover to facilitate installation on curved surfaces
- Improved, stronger adhesive

SPECIFICATIONS

- Dimensions: 5/16" wide x 3/16" high x 1/2" deep (.8 cm wide x .5 cm high x 1.3 cm deep)

Warranty: Two-year limited
Shipping weight: 1 lb. (.5 Kg)

NILES®

MF1VF

**IR MicroFlasher®
with Visible Feedback**

For use with all Niles IR main system units, MultiZone receivers and preamplifiers

Packaged for retail display

Stock Number

FG01020

Bulk Package MV1VF Bulk
FG01161

Bulk package contains twenty-four MF1VF flashers

FEATURES

- Transparent to infrared light
- One MF1VF required for each component you wish to control
- Low-profile, extremely small footprint
- Flashback LED provides visual confirmation of operation
- 10' cable with 3.5mm plug for easy installation
- Improved, stronger adhesive

SPECIFICATIONS

- Dimensions: 5/16" wide x 3/16" high x 1/2" deep
(.8 cm wide x .5 cm high x 1.3 cm deep)

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)

Bulk Shipping weight: 21 lb. (12 Kg)

MF2

Dual IR MicroFlasher®

For use with all Niles IR main system units, MultiZone receivers and preamplifiers

Packaged for retail display

Stock Number

FG01021

FEATURES

- Transparent to infrared light
- Dual flashers on a single cable expand the flasher output capabilities of main system units
- Low-profile, extremely small footprint
- 10' cable with 3.5mm plugs for easy installation
- Includes improved elastomer-style blocking cover to facilitate installation on curved surfaces
- Improved, stronger adhesive

SPECIFICATIONS

- Dimensions: 5/16" wide x 3/16" high x 1/2" deep
(.8 cm wide x .5 cm high x 1.3 cm deep)

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)

MF2VF

**Dual IR MicroFlasher®
with Visible Feedback**

For use with all Niles IR main system units, MultiZone receivers and preamplifiers

Packaged for retail display

Stock Number

FG01022

FEATURES

- Transparent to infrared light
- Dual flashers on a single cable expand the flasher output capabilities of main system units
- Flashback LED on flasher provides visual confirmation of operation
- Low-profile, extremely small footprint
- 10' cable with 3.5mm plugs for easy installation
- Improved, stronger adhesive

SPECIFICATIONS

- Dimensions: 5/16" wide x 3/16" high x 1/2" deep
(.8 cm wide x .5 cm high x 1.3 cm deep)

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)

THE INDUSTRY **STANDARD**

Performance and Reliability
From Niles Speaker Selection Systems

Niles speaker selection systems are the benchmark for the custom installation industry. Every model exhibits reference performance and exemplary reliability in its particular application. Constructed from high-grade electrical components and all-metal chassis with nonskid feet, Niles speaker selectors deliver more than they promise. They accommodate system designs that require speaker selectors, high-power speaker selectors and speaker selectors with volume controls.

NILES.

SSVC-6

Six-Pair, Speaker Selector with Volume Controls

Packaged for retail display

Stock Number

FG01044

FEATURES

- Power handling: 100 watts per channel RMS; 200 watts peak
- Selectable impedance magnification for 1, 2, 3/4, 5/6 pairs of speakers
- Individual room on/off selector switches
- 12-step controls; 54dB maximum attenuation
- Separate left and right ground paths for compatibility with all amplifiers
- Removable screwless connectors accommodate up to 12-gauge wire
- Rugged all-metal chassis construction
- Nonskid feet won't scratch furniture and ensure unit stability during operation
- 72 adhesive-backed room-identification labels

SPECIFICATIONS

- Dimensions: 17" wide x 2" high x 9-1/8" deep
  (43.2cm wide x 5cm high x 23.2cm deep)

Warranty: Ten-year limited

Shipping weight: 12 lbs. (5.4 Kg)

SSVC-4

Four-Pair, Speaker Selector with Volume Controls

Packaged for retail display

Stock Number

FG01043

FEATURES

- Power handling: 100 watts per channel RMS; 200 watts peak
- Selectable impedance magnification for 1 or 2 pairs of speakers
- Individual room on/off selector switches
- 12-step controls; 54dB maximum attenuation
- Separate left and right ground paths for compatibility with all amplifiers
- Removable screwless connectors accommodate up to 12-gauge wire
- Rugged all-metal chassis construction
- Nonskid feet won't scratch furniture and ensure unit stability during operation
- 72 adhesive-backed room-identification labels

SPECIFICATIONS

- Dimensions: 17" wide x 2" high x 9-1/8" deep
  (43.2cm wide x 5cm high x 23.2cm deep)

Warranty: Ten-year limited
Shipping weight: 10 lbs. (4.5 Kg)

SSVC-2

Two-pair Speaker Selector with Volume Controls

Packaged for retail display

Stock Number

FG01042

FEATURES

- Power handling: 100 watts per channel RMS; 200 watts peak
- Selectable impedance magnification for 1, 2, 3/4, 5/6 pairs of speakers
- Individual room on/off selector switches
- 12-step controls; 54dB maximum attenuation
- Separate left and right ground paths for compatibility with all amplifiers
- Removable screwless connectors accommodate up to 14-gauge wire
- Rugged all-metal chassis construction
- Nonskid feet won't scratch furniture and ensure unit stability during operation
- 72 adhesive-backed room-identification labels

SPECIFICATIONS

- Dimensions: 8-1/2" wide x 2" high x 7-1/4" deep
  (21.6cm wide x 5cm high x 18.4cm deep)

Warranty: Ten-year limited
Shipping weight: 5 lbs. (2.3 Kg)

HPS-6

Six-Pair, High-Power Speaker Selector

Packaged for retail display

Stock Number

FG01038

FEATURES

- Power handling: 250 watts per channel RMS
- Protection circuit safeguards receiver/amplifier
- Separate left and right ground paths for compatibility with all amplifiers
- Rear-panel switch for constant or selectable impedance protection
- Removable connectors accommodate up to 12-gauge wire
- Rugged all-metal chassis construction
- Nonskid feet won't scratch furniture and ensure unit stability during operation
- 72 adhesive-backed room-identification labels
- Requires an amplifier that is compatible with a 4 ohm load

SPECIFICATIONS

- Dimensions: 17" wide x 2" high x 8-5/8" deep
  (43.2cm wide x 5cm high x 22cm deep)

Warranty: Ten-year limited

Shipping weight: 7 lbs. (3.2 Kg)

HPS-4

Four-Pair, High-Power Speaker Selector

Packaged for retail display

Stock Number

FG01037

FEATURES

- Power handling: 250 watts per channel RMS
- Protection circuit safeguards receiver/amplifier
- Separate left and right ground paths for compatibility with all amplifiers
- Rear-panel switch for constant or selectable impedance protection
- Removable connectors accommodate up to 12-gauge wire
- Rugged all-metal chassis construction
- Nonskid feet won't scratch furniture and ensure unit stability during operation
- 72 adhesive-backed room-identification labels
- Requires an amplifier that is compatible with a 4 ohm load

SPECIFICATIONS

- Dimensions: 17" wide x 2" high x 8-5/8" deep
  (43.2cm wide x 5cm high x 22cm deep)

Warranty: Ten-year limited

Shipping weight: 7 lbs. (3.2 Kg)

NILES.

SS-6

Six-Pair, Speaker Selector

Packaged for retail display

Stock Number

FG01040

FEATURES

- Power handling: 100 watts per channel RMS, 200 watts peak
- Protection circuit safeguards receiver/amplifier
- Separate left and right ground paths for compatibility with all amplifiers
- Rear-panel switch for constant or selectable impedance protection
- Removable connectors accommodate up to 14-gauge wire
- Rugged all-metal chassis construction
- Nonskid feet won't scratch furniture and ensure unit stability during operation
- 72 adhesive-backed room-identification labels
- Requires an amplifier that is compatible with a 4 ohm load

SPECIFICATIONS

- Dimensions: 17" wide x 2" high x 8-5/8" deep (43.2cm wide x 5cm high x 22cm deep)

Warranty: Ten-year limited

Shipping weight: 5 lbs. (2.3 Kg)

SS-4

Four-Pair, Speaker Selector

Packaged for retail display

Stock Number

FG01039

FEATURES

- Power handling: 100 watts per channel RMS, 200 watts peak
- Protection circuit safeguards receiver/amplifier
- Separate left and right ground paths for compatibility with all amplifiers, including bridged designs
- Removable screwless connectors accommodate up to 14-gauge wire
- Rugged all-metal chassis construction
- Nonskid feet won't scratch furniture and ensure unit stability during operation
- 72 adhesive-backed room-identification labels
- Requires an amplifier that is compatible with a 4 ohm load

SPECIFICATIONS

- Dimensions: 8-1/2" wide x 2" high x 6-3/4" deep (22cm wide x 5cm high x 17cm deep)

Warranty: Ten-year limited

Shipping weight: 4 lbs. (1.8 Kg)

ABA-1D

A-B Selector for Amplifiers or Speakers

Includes Decora® faceplate

Packaged for retail display

Color   Stock Number

White
FG00402

Standard shown

FEATURES

- Power handling: 350 watts per channel RMS
- Connectors accommodate up to 14-gauge wire
- Removable button and Decora® insert for quick and easy color changes

SPECIFICATIONS

- Dimensions: 2-3/4" wide x 4-1/2" high x 2-1/2" deep (7cm wide x 11.4cm high x 6.4cm deep)
- Requires 1-gang electrical box at least 3" (7.6cm) deep
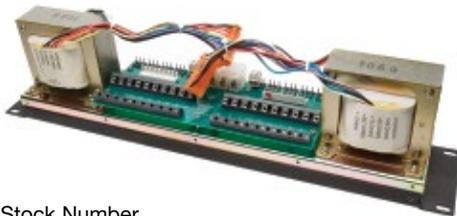
Warranty: Ten-year limited

Shipping weight: 1 lb. (.5 Kg)

AB-2D

A, B or A+B Selector for Two Pair of Speakers

Includes Decora® faceplate

Packaged for retail display

FEATURES

- Power handling: 350 watts per channel RMS
- Connectors accommodate up to 14-gauge wire
- Removable buttons and Decora® insert for quick-and-easy color changes

SPECIFICATIONS

- Dimensions: 2-3/4" wide x 4-1/2" high x 2-7/16" deep (7cm wide x 11.4cm high x 6.2cm deep)
- Requires 1-gang electrical box at least 3" (7.6cm) deep

Warranty: Ten-year limited

Shipping weight: 1 lb. (.5 Kg)

NOT FOR AMPLIFIER A-B SWITCHING.
Instead use ABA-1D or ABC1

Color	Stock Number
White	FG00395

HIGH-POWER IMPEDANCE MATCHING SYSTEM

SMS-10

Accommodates Ten Pairs of Speakers

Individually boxed

Stock Number
FG00229

FEATURES

- Power handling: 200 watts per channel RMS
- Adjustable impedance to match between 4, 6, or 8 ohm protection
- Premium autoformers ensure efficient impedance matching, low-power loss, and minimal heat generation
- Speaker output terminals accommodate up to 14-gauge wire
- Amplifier input terminals accommodate up to 8-gauge wire
- Freestanding or rack-mountable
- 2 rack spaces high

SPECIFICATIONS

- Dimensions: 19" wide x 3-1/2" high x 3-7/8" deep (48.3cm wide x 9cm high x 9.8cm deep)

Warranty: Ten-year limited

Shipping weight: 16 lbs. (7.3 Kg)

NILES®

Stay Well Connected:

WALL-MOUNT CAT-5 BALUNS

Mix & Match Versatility

Niles CAT-5 Baluns simplify installations, provide additional flexibility, and reduce costs wherever long cable runs are required. Niles CAT-5 Baluns also make it possible to expand systems in homes and buildings already wired with CAT-5 cable. Used in pairs, every Niles Balun was designed with a specific application in mind: from sending analog audio to an upstairs bedroom, to sending HDMI signals across the house to the family room. Niles makes two versions of each balun: a clean, low-profile wall-mount and a compact chassis style. They can be mixed and matched to create a custom solution for any installation project. And since they're made by Niles, you know they're rugged and reliable. In fact, most come with a limited ten-year warranty to ensure years of trouble-free performance.

C5-HDMI T

CAT-5 HDMI Transmit Balun

FEATURES

- Shielded CAT-5 connectors
- Compatible with HDMI resolutions from 480i to 1080p
- A Transmitter and Receiver Balun are required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6 UTP and STP

SPECIFICATIONS

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D
- Transmission Distance at each resolution*:
  - 480i, 480p, 720p and 1080i–up to 200 feet (61 m)
  - 1080p–up to 100 feet (30.5 m)
- 5V power supply included

Warranty: Two-year limited
Shipping weight: 1 lb.

Stock Number

FG01565

* Actual performance may vary based on multiple factors unique to the installation

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COMPONENT STYLE VIDEO CAT-5 BALUNS

C5-V

CAT-5 Video Balun

For Placing Composite Video Devices Extended Distances From Their Video Source

FEATURES

- CAT-5 Connector
- Gold-Plated, Color-Coded RCA Connector
- Universal Mounting Holes

SPECIFICATIONS

- Overall dimensions: 4.75" W x .85" H x 2" D (12cm W x 2.2cm H x 5cm D)
- Bandwidth: Video: DC to 10 MHz
- Transmission Distance:

  Color:

  1500' (457m) (CAT-3 UTP)
  2200' (671m) (CAT-5 UTP)

  B & W:

  2000' (610m) (CAT-3 UTP)
  2500' (762m) (CAT-5 UTP)

Warranty: Ten-year limited
Shipping weight: 1 lb. (.5 Kg)

Stock Number

FG01278

ACCESSORY CABLE

FG00933

10' 3.5mm to 3.5mm Male Mini Mono Cable

10 FT. 3.5mm Mono Mini to 3.5mm Mono Mini Cable

Individually packaged

FEATURES

- 10' cable with 3.5mm mono mini-plug to 3.5mm mono mini-plug

SPECIFICATIONS

- Dimensions: 10' long

Warranty: Ten-year limited
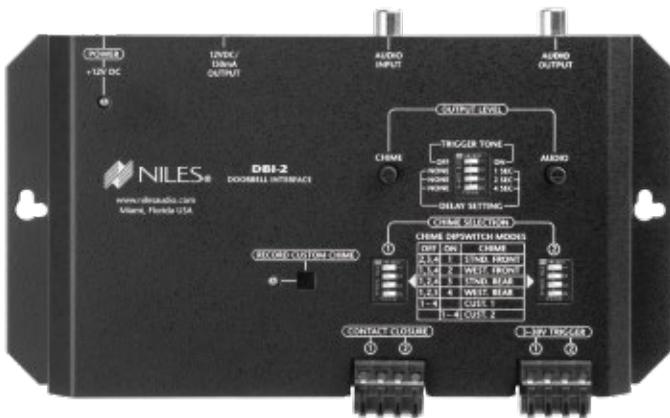**Shipping weight: 1 lb. (.5 Kg)**

Stock Number

FG00933

NILES®

BLACK BOX MAGIC
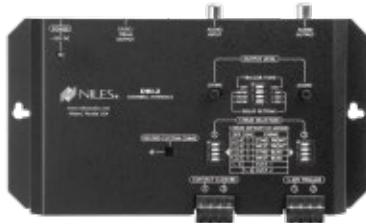
Niles Automated Switching Systems

Niles offers a complete line of automated switching systems that empower custom installation professionals to create magic for their clients. These purpose-built products provide specific solutions for many switching functions and simplify the automation and operation of complex A/V systems. Niles automated switching systems switch speaker-level, line-level, RF, video, and 120V AC power signals. They can be triggered by voltage, current draw, sound, or video signals. Additionally, the automated switching line-up includes products for AC power management and for converting non-standard trigger signals into a standard 12V DC trigger signal. Whatever the switching task, you can count on Niles switchers to deliver reliable performance that adds value to your installations.

DBI-2

Doorbell Interface

Compatible with virtually all MultiZone controllers
that have paging inputs

FEATURES

- Four selectable preprogrammed and one user-recorded doorbell sound option
- Two doorbell inputs, front and rear, triggered by either voltage or contact closure
- Separate level adjustments provided for chime and page
  pass through
- 1 gold-plated mono audio sensing page input
- Features UL-listed regulated in-line power supply with universal voltage capacity
- Works with lighted doorbells

SPECIFICATIONS:

- Dimensions: 7-7/8" wide x 4-1/8" high x 1" deep
  (20cm wide x 10.5cm high x 2.5cm deep)

Warranty: Two-year limited
Shipping weight: 3 lbs. (1.4 Kg)

Stock Number
FG01613

SPEAKER-LEVEL SWITCHING SYSTEMS

SPK-1

Speaker-Level A-B Switcher

Voltage-triggered

Individually boxed

FEATURES

- Replaces manually operated A-B switches
- Audio power handling: 600W per channel
- SPK-1 is activated by 12-volt DC signal (100mA minimum)
- Requires 12-volt DC adapter to trigger SPK-1 from the switched outlet of a receiver or preamp, can also be triggered by the 12-volt output of a Niles APC-2, AC-3, AVS-2, SAS-1
- 12-volt control output for activating other Niles devices such as an APC-2, AC-3, AVS-2, SAS-1
- Not a Signal-Sensing Switcher; if signal-sensing is required use the SAS-1 or ABS-1
- Premium nickel-plated, five way binding post connectors

SPECIFICATIONS

- Dimensions: 6-13/16" wide x 3-1/8" high x 5-5/16" deep
  (17.3cm wide x 8cm high x 13.5cm deep)

Warranty: Two-year limited
Shipping weight: 3 lbs. (1.4 Kg)

Stock Number
FG00240

NILES®

CS12V

Current-Sensing, 12-volt Trigger

Activates voltage-controlled devices by simply turning another component on

Reliable plug-and-play operation

Stock Number

FG01173

FEATURES

- Universal system – Unique current-sensing circuit makes the CS12V compatible with virtually any 110V electrical device

- Trigger output is a constant 12VDC/ 200mA – Sufficient for triggering virtually any low-voltage device

- Compact footprint – Provides easy installation in unusual locations (i.e. behind a plasma display)

- No programming – Current-sensing circuitry remembers current draw of device after installation

- Printed circuit board design – Assures high reliability and long life

- Integrated mounting wings – Provides for both horizontal and vertical installation

SPECIFICATIONS

- Dimensions: 6" wide x 1-5/8" high (without feet) x 4-1/2" deep (15.2cm wide x 4cm high {without feet} x 11.4cm deep)

Warranty: Two-year limited

Shipping weight: 4 lbs. (1.8 Kg)

APC-2

Current-Sensing, Outlet Switcher

Gives virtually any A/V component a switched AC outlet

Current sense-triggered

Individually boxed

Stock Number

FG00254

FEATURES

- Three AC outlets—one current-sensing (requires min. 30W current draw differential between on/off for reliable sensing), one switched, one unswitched—1,500W maximum (all outlets combined)

- APC-2 is activated by current-sensing outlet or 12-volt DC signal (100mA minimum)

- 12-volt control output for activating other Niles devices such as the SPK-1, AVS-2, AC-3

- N.O. (normally open) and N.C. (normally closed) relay contacts for controlling other devices such as electric screens, motorized lifts and drapes, etc

- Relay contacts rated at one amp, 30V max. AC/DC

SPECIFICATIONS

- Dimensions: 8" wide x 2-3/4" high x 7" deep (20.3cm wide x 7cm high x 17.8cm deep)

Warranty: Two-year limited

Shipping weight: 4 lbs. (1.8 Kg)

AC-3

Voltage-Triggered AC Power Strip

Automate power turn-on and turn-off
of an A/V component or system

Voltage-triggered

Individually boxed

Stock Number
FG00242

FEATURES

- Three AC outlets—two switched, one unswitched; 1,500W maximum (all outlets combined)
- AC-3 is activated by 12-volt DC signal (100mA minimum)
- Requires 12-volt DC adapter to trigger AC-3 from the switched outlet of a receiver or preamp, can also be triggered by the 12-volt output of a Niles APC-2, AC-3, SPK-1, SAS-1
- 12-volt control output for activating other Niles devices such as an APC-2, AC-3, SPK-1, SAS-1
- Compatible with 110v devices

SPECIFICATIONS

- Dimensions: 5-1/4" wide x 2-1/4" high x 4-1/4" deep
  (13.3cm wide x 5.7cm high x 10.8cm deep)

Warranty: Two-year limited

Shipping weight: 4 lbs. (1.8 Kg)

DPS-1

Amplifier/Speaker A-B Selector

Individually boxed

Stock Number
FG00003

FEATURES

- Plays either of two amplifiers through a shared pair of loudspeakers
- Power handling: 350W per channel
- Tabletop unit
- Connectors accommodate up to 14-gauge wire

SPECIFICATIONS

- Dimensions: 6-1/8" wide x 2-3/4" high x 3-5/8" deep
  (15.6cm wide x 7cm high x 9.2cm deep)

Warranty: Ten-year limited

Shipping weight: 2 lbs. (1 Kg)

NILES®

LS-1

Light Sensor

Includes 12-volt AC power supply

Light-triggered

Individually boxed

FEATURES

- LS-1 is activated by the presence of light
- LS-1 senses a component's on/off status by the change in brightness of the component's front-panel display. When the display is brighter, the LS-1 outputs a continuous 12-volt DC up to 400mA
- Adjustable "sensitivity" feature allows precise trigger-level control and optimum front-panel placement
- Works with virtually all electronic audio/video components

SPECIFICATIONS

- Dimensions: 3-1/2" wide x 2-1/2" high x 1-5/8" deep
  (9cm wide x 6.4cm high x 4cm deep)

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)

Model	Stock Number
Standard	FG00728

IS-12V

1.25A 12VDC Universal Wall Adaptor

Accessory 12-volt DC power adaptor

Individually boxed

FEATURES

- When plugged into a switched outlet, provides status to Niles Main System Units
- Provides enough current to trigger up to six automated switchers simultaneously

SPECIFICATIONS

- Dimensions: 4" wide x 1-1/4" high x 2-1/4" deep
  (10.2cm wide x 3.2cm high x 5.7cm deep)

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)

Stock Number
FG01035

VOLUME CONTROL SYSTEMS

Less SKUs, more features, easier to specify.

The Niles philosophy has always been, "Application Specific Design." Our volume control offerings are a great example. We have reduced the amount of models by including Volume Control; Installation Hardware; White, Light Almond, Bone, and Black Wallplates; Knobs; and Decora® inserts with each model. Also, each model now has a significant design difference, based on application, making specifying jobs easier as well as reducing your carrying costs. Then we made each model impedance-matching, up to 100W continuous power handling, and have removable two-piece wire connectors in addition to all the hardware you need to install the product.

This focused assortment begins with both in-wall volume controls with round knobs, in 100W and 50W configurations (VCS100K & VCS50K), a sliding Volume Control (SVC100K) for an elegant design option, and a tabletop model (TVC-1) with soft feet and an aluminum chassis. Then we paired down the weatherproof options to include an in-wall (WVC100K) and a completely enclosed weatherproof model ideal for mounting on decks and patios (VCSHUB8), we then finish the line with a VCSHUB8 designed to expand a receiver's stereo audio output to eight volume controls.
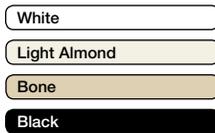
NILES®

VCS50K

Stereo Volume Control

Stock Number

FG01651

Includes Volume Control, Installation Hardware, White, Light Almond, Bone and Black Wallplates, Knobs and Decora® inserts

White
Light Almond
Bone
Black

FEATURES

- Universal Impedance Magnifying circuit enables safe connection of up to eight pairs of loudspeakers to a single amplifier or receiver using the VCSHUB8
- Make-before-break switch design delivers 11-step, pop-free control for a wide range of listening volumes
- Ensures sound quality at 50W continuous power handling with flat frequency response (+/- 1.2dB)
- Includes designer-approved screwless wallplates in four colors to blend seamlessly into any décor to accommodate standard one-gang electrical boxes
- Accommodates up to 16-gauge wire
- 100% factory tested for frequency response, distortion, and power handling
- Ten-year limited parts-and-labor warranty

SPECS

- Power Handling: 50 W (RMS)/100 W (peak music power) per channel
- Frequency Response: 20Hz to 20kHz ± 2dB
- Impedance Settings: 1X, 2X, 4X, or 8X Switch
- Minimum Speaker Load: 4 ohm
- Mounting Requirements: In-wall, fits most 18-cubic-inch single-gang junction boxes at least 2-3/4" D
- Wiring Requirements: 16-gauge, stranded-copper loudspeaker wire with two runs of two-conductor wire, or one run of four-conductor wire
- Colors: White, Light Almond, Bone and Black (Included)
- Unit Dimensions: 1-5/8" W x 2-5/8" H x 2-9/16" D (behind faceplate)
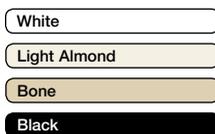- Faceplate Dimensions: 2-3/4" W x 4-1/2" H

VCS100K

High-Power Stereo Volume Control

Stock Number

FG01652

Includes Volume Control, Installation Hardware, White, Light Almond, Bone and Black Wallplates, Knobs and Decora® inserts

White
Light Almond
Bone
Black

FEATURES

- Universal Impedance Magnifying circuit enables safe connection of up to eight pairs of loudspeakers to a single amplifier or receiver using the VCSHUB8
- Make-before-break switch design delivers 12-step, pop-free control for a wide range of listening volumes
- Premium-quality parts and construction ensure high-fidelity sound, 100W continuous power handling with flat frequency response (+/- 1.2dB)
- Includes designer-approved screwless wallplates in four colors to blend seamlessly into any décor and accommodates standard one-gang electrical boxes
- Two-piece, removable speaker connectors make installation quick and secure. No screws necessary. Accommodates up to 16-gauge wire
- 100% factory tested for frequency response, distortion, and power handling
- Unlike other impedance-matching volume-control products, Niles IM volume controls maintain a 12-position adjustment regardless of how much impedance magnification you use, with total attenuation >48dB.
- Redesigned autoformers provide superior sonic performance, exceeding the audio quality of non-impedance magnifying volume controls
- Isolated left and right-channel grounds ensure safety with any amplifier
- Ten-year limited parts-and-labor warranty

SPECS

- Mounting depth of only 2-9/16". Fits into standard 18-cubic-inch one-gang junction boxes
- Power handling: 100W/channel RMS, 200W peak.
- Frequency response: 20Hz to 20kHz ±2dB
- May be used with 4-, 6-, or 8-ohm speaker systems
- Installation requires only a screwdriver and wire stripper

SVC100K

High-Power Sliding Stereo Volume Control

Stock Number

FG01653

Includes Volume Control, Installation Hardware, White, Light Almond, Bone and Black Wallplates, Knobs and Decora® inserts

White

Light Almond

Bone

Black

FEATURES

- Universal Impedance Magnifying circuit enables safe connection of up to eight pairs of loudspeakers to a single amplifier or receiver using the VCSHUB8
- Make-before-break switch design delivers 12-step, pop-free control for a wide range of listening volumes
- Premium-quality parts and construction ensure high-fidelity sound, 100W continuous power handling with flat frequency response (+/- 1.2dB)
- Includes designer-approved screwless wallplates in four colors to blend seamlessly into any décor and accommodates standard one-gang electrical boxes
- Convenient sliding volume control provides a modern and elegant look
- Two-piece, removable speaker connectors make installation quick and secure. No screws necessary. Accommodates up to 16-gauge wire
- 100% factory tested for frequency response, distortion, and power handling
- Ten-year limited parts-and-labor warranty
- Unlike other impedance-matching volume-control products, Niles IM volume controls maintain a 12-position adjustment regardless of how much impedance magnification you use, with total attenuation >48dB
- Redesigned autoformers provide superior sonic performance, exceeding the audio quality of non-impedance magnifying volume controls
- Isolated left- and right-channel grounds ensure safety with any amplifier
- May be used with 4-, 6-, or 8-ohm speaker systems
- Ideal for home and commercial sound installations
- UL rated to comply with all local building codes

SPECS

- Installation requires only a screwdriver and wire strippers
- Mounting depth of only 2-9/16". Fits into standard 18-cubic-inch one-gang junction boxes
- Power handling: 100W/channel RMS, 200W peak.
- Frequency response: 20Hz to 20kHz ±2dB

TVC-1

High-Power Tabletop Stereo Volume Control

Stock Number

FG01041

Includes a rugged all-metal Tabletop Volume Control, Room Identification Labels and removable screwless speaker connectors

FEATURES

- Universal Impedance Magnifying circuit enables safe connection of up to six pairs of loudspeakers to a single amplifier or receiver
- Premium 12-step control maintains full 48db of dynamic range for maximum adjustment capability
- Premium-quality parts and construction ensure high-fidelity sound, 100W continuous power handling with flat frequency response 48db
- Rugged all-metal chassis design
- Two-piece, removable speaker connectors make installation quick and secure. No screws necessary. Accommodates up to 16-gauge wire
- 100% factory tested for frequency response, distortion, and power handling
- Ten-year limited parts-and-labor warranty
- Selectable impedance magnification for 1, 2, 3/4, 5/6 pairs of speakers
- Individual room on/off selector switches
- Separate left and right ground paths for compatibility with all amplifiers
- Removable screwless connectors accommodate up to 14-gauge wire
- Nonskid feet won't scratch furniture and ensure unit stability during operation
- 72 adhesive-backed room identification labels

SPECS

- Power handling: 100 watts per channel RMS; 200 watts peak
- Dimensions: 8-1/2" wide x 2" high x 7-1/4" deep
- Shipping weight: 2-1/4 lbs

NILES®

WVC100K

Outdoor High-Power Stereo Volume Control

Stock Number

FG01654

Includes Volume Control,
Installation Hardware,
White,
Light Almond, Bone
and Black Wallplates and
knobs

White

Light Almond

Bone

Black

FEATURES

- Universal Impedance Magnifying circuit enables safe connection of up to eight pairs of loudspeakers to a single amplifier or receiver using the VCSHUB 8
- Make-before-break switch design delivers 12-step, pop-free control for a wide range of listening volumes
- Premium-quality parts and construction ensure high-fidelity sound, 100W continuous power handling with flat frequency response (+/- 1.2dB)
- Includes designer-approved wallplates in 4 colors to blend seamlessly into any décor and accommodates standard one-gang electrical boxes
- Two-piece, removable speaker connectors make installation quick and secure No screws necessary. Accommodates up to 16-gauge wire
- Designed for environmental wall-mount installation
- A rubber gasket fits behind the faceplate during installation to seal out moisture
- An impedance-magnifying switch on the front of the volume control sets the impedance of connected speakers. You can magnify the speakers' impedance by a factor of two, four, or eight
- Mounting depth of only 2-9/16". Fits into standard 18-cubic-inch one-gang junction boxes
- Isolated left- and right-channel grounds ensure safety with any amplifier
- May be used with 4-, 6-, or 8-ohm speaker systems
- UL-rated to comply with all local building codes
- Ten-year limited parts-and-labor warranty

SPECS

- Installation requires only a screwdriver and wire stripper
- Power handling: 100W/channel RMS, 200W peak.
- Frequency response: 20Hz to 20kHz ±1.5dB

WVC100E

Outdoor High-Power Stereo Volume Control

Stock Number

FG00965

Includes Volume Control,
Installation Hardware,
Weatherproof enclosure
and screwless speaker
connectors

FEATURES

- Adjust the volume of your remotely located outdoor speakers from a location convenient to you
- Universal Impedance Magnifying circuit enables safe connection of up to six pairs of loudspeakers to a single amplifier or receiver
- Premium 12-step control maintains full 48db of dynamic range for maximum adjustment capability
- Premium-quality parts and construction ensure high-fidelity sound, 100W continuous power handling with flat frequency response (+/- 1.2dB)
- Two-piece, removable speaker connectors make installation quick and secure No screws necessary. Accommodates up to 16-gauge wire
- 100% factory tested for frequency response, distortion, and power handling
- Ten-year limited parts-and-labor warranty
- Selectable impedance magnification for 1, 2, 3/4, 5/6 pairs of speakers
- Individual room on/off selector switches
- 12-step controls; 48dB maximum attenuation
- Separate left and right ground paths for compatibility with all amplifiers

SPECS

- Power handling: 100W/channel RMS, 200W peak.
- Frequency response: 20Hz to 20kHz ±1.5dB
- Ten Year parts and labor limited warranty

VCSHUB8

Volume Control 8-Speaker Distribution Hub

Stock Number

FG00984

Small size and compact footprint, designed specifically to fit into a standard structured-wiring cabinet or mount directly to a wall

FEATURES

- Expands 1 receiver stereo speaker output to 8 impedance magnifying volume controls
- Small size and compact footprint, designed specifically to fit into a standard structured-wiring cabinet. Designed to mount in standard (6" center) structured wiring cabinets. Snap-in "Christmas Tree" plugs provided
- Slotted wings allow for vertical and horizontal mounting
- Rustproof, weather-resistant housing of high-impact, injection-molded plastic
- Two-piece, removable screwless connector blocks accommodate up to 16-gauge wire for convenient connections
- Ten-year limited parts and labor warranty
- Also suitable for wall-mounting
- Ideal for home and commercial sound installations

SPECS

- Mounting: In a structured-wiring cabinet, using convenient snap-in "Christmas tree" plugs (supplied). On a wall or other flat surface, secured with drywall screws (not supplied)
- Wiring Requirements: 18-gauge, two runs of two-conductor speaker wire, or one run of four-conductor speaker wire
- Unit Dimensions: 6.85" wide x 3" high x 1.3" deep

NILES.

QUICK REFERENCE GUIDE

Stock No.	Model	Part Description	Unit	Mstr. Carton
VOLUME CONTROLS				
FG01651	**VCS50K WHITE, BONE, LIGHT ALMOND, BLACK**	Stereo Volume Control	EA	24
FG01652	**VCS100K WHITE, BONE, LIGHT ALMOND, BLACK**	Stereo Volume Control w/Selectable Impedance	EA	24
FG01653	**SVC100K WHITE, BONE, LIGHT ALMOND, BLACK**	High-Power Sliding Stereo Volume Control	EA	24
FG01041	**TVC-1**	High-Power Tabletop Stereo Volume Control	EA	4
FG01654	**WVC100K WHITE, BONE, LIGHT ALMOND, BLACK**	Outdoor High-Power Stereo Volume Control	EA	24
FG00965	**WVC100E**	Outdoor High-Power Stereo Volume Control	EA	6
FG00984	**VCSHUB8**	Volume Control 8-Speaker Distribution Hub	EA	6
IR KITS				
FG01586	**RCA-HT2 BLACK**	Remote Control Anywhere! Kit for Home Theater Application, Packaged for Retail Display	EA	4
FG01585	**RCA-SM2 BLACK**	Remote Control Anywhere! Kit with Surface Mount Sensor, Packaged for Retail Display	EA	4
FG01584	**RCA-TT2 BLACK**	Remote Control Anywhere! Kit with Tabletop Sensor, Packaged for Retail Display	EA	4
IR MICROSENSOR				
FG01577	**MS220 BLACK**	Surface-Mount IR MicroSensor, Packaged for Retail Display	EA	6
FG01580	**MS120**	Miniature Flush-Mount IR MicroSensor, Packaged for Retail Display	EA	6
FG01582	**WS120,WHITE**	Wall-Mount IR Sensor, Packaged for Retail Display	EA	6
FG01581	**TS120**	Tabletop IR Sensor, Packaged for Retail Display	EA	6
FG01577	**MS220 BLACK**	Miniature Surface-Mount IR MicroSensor, Packaged for Retail Display	EA	6
FG01581	**TS120**	Tabletop IR Sensor,Packaged for Retail Display	EA	6
FG01582	**WS120,WHITE**	Wall-Mount IR Sensor,Packaged for Retail Display	EA	6
IR MAIN SYSTEM UNITS				
FG01002	**MSU140**	IR Repeater System for Single-Zone Applications, Packaged for Retail Display	EA	6
FG01003	**MSU250**	IR Repeater System for Single-Zone Applications, Packaged for Retail Display	EA	6
FG01004	**MSU480**	IR Repeater System for Single-Zone Applications, Packaged for Retail Display	EA	2

*Includes Decora®-style snap-in color insert and knob. Faceplate not included.
**Requires Decora®-style snap-in insert, knob and faceplate (sold separately)
***Includes Decora®-style snap-in inserts, faceplates and knobs in three designer colors: Almond, Bone and White

QUICK REFERENCE GUIDE

Stock No.	Model	Part Description	Unit	Mstr. Carton
IR HIGH OUTPUT FLASHER				
FG01023	IRB1	High-Output IR Flasher, Packaged for Retail Display	EA	6
FG01019	MF1	IR MicroFlasher, Packaged for Retail Display	EA	6
FG01066	MF1U BULK	IR MicroFlashers; Bulk Package Contains 24 MF1 Flashers	EA	15
FG01020	MF1VF	IR MicroFlasher with Visible Feedback, Packaged for Retail Display	EA	6
FG01161	MF1VF BULK	IR MicroFlasher with Visible Feedback; Bulk Package Contains 24 MF1VF Flashers	EA	N/A
FG01021	MF2	Dual IR MicroFlasher, Packaged for Retail Display	EA	6
FG01022	MF2VF	Dual IR MicroFlasher with Visible Feedback, Packaged for Retail Display	EA	6
SPEAKER SELECTORS				
FG01044	SSVC-6	Six-Pair, Speaker Selector with Volume Controls, Package for Retail Display	EA	4
FG01043	SSVC-4	Four-Pair, Speaker Selector with Volume Controls, Package for Retail Display	EA	4
FG01042	SSVC-2	Two-Pair, Speaker Selector with Volume Controls, Package for Retail Display	EA	4
FG01038	HPS-6	Six-Pair, High-Power Speaker Selector, Package for Retail Display	EA	4
FG01037	HPS-4	Four-Pair, High-Power Speaker Selector, Package for Retail Display	EA	4
FG01040	SS-6	Six-Pair, Speaker Selector, Package for Retail Display	EA	4
FG01039	SS-4	Four-Pair, Speaker Selector, Package for Retail Display	EA	4
FG00402	ABA-1D WHITE	A-B Selector for Amplifiers or Speakers	EA	6
FG00395	AB-2D WHITE	Wall-Mount A,B or A+B Selector for Two Pairs of Speakers	EA	6
FG00229	SMS-10	High-Power Impedance Matching System that accommodates Ten Pairs of Speakers	EA	N/A
CAT-5 BALUNS				
FG01278	C5-V	Component Style CAT-5 Video Balun	EA	12
FG00933		10' 3.5mm to 3.5mm, Male Mini Cable 3.5mm Mono Mini-Plug to 3.5mm Mono Mini Plug		

Stock No.	Model	Part Description	Unit	Mstr. Carton
AUTO SWITCHERS				
FG01613	DBI-2	Doorbell Interface	EA	N/A
FG00240	SPK-1	Speaker-Level A-B Switcher	EA	N/A
FG00230	SAS-1	Combo A-B Switcher; Speaker-Level, Line-Level, and Composite Video-Triggered	EA	N/A
FG01173	CS12V	Current-Sensing, 12V Trigger	EA	4
FG00242	AC-3	Voltage-Triggered AC Power Strip	EA	N/A
FG00254	APC-2	Current-Sensing, Outlet Switcher	EA	N/A
FG00728	LS-1	Light Sensor	EA	N/A
FG01035	IS-12V	1.25A 12VDC Universal Wall Adaptor	EA	N/A
FG00003	DPS-1	Amplifier/Speaker A-B Selector	EA	N/A

NILES

ADDITIONAL INFORMATION

Visit the NSC Dealer Portal!

Our portal dramatically simplifies your ordering process. Try the portal at **store.nortekcontrol.com**

Warranty

All Niles products are manufactured with reliability in mind and backed

by factory warranties against defects in materials or workmanship.

For details, see full warranty statement included with each product.

Customer Service and Technical Support

Call: 800-289-4434 (BUY-HIFI) in the USA or (760) 710-0992 internationally

Customer Service is available from 8:00 AM to 5:30 PM PST

Technical Support is available from 6:00 am to 4:00 pm PST

Online at: www.nilesaudio.com/techsupport

or via email: techsupport@nilesaudio.com

Product Suggestions

We are eager to hear your product suggestions. Please e-mail your suggestions to: productsuggestions@nilesaudio.com

Niles strives to constantly improve our products, all specifications may change without notice.