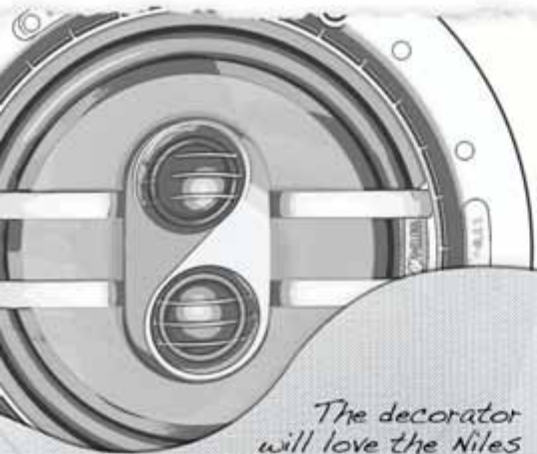


DS
DIRECTED SOUNDFIELD™



Ceiling Mounted Loudspeakers

 **NILES®**



NILES DS7FX

Client wants a High-Definition Home Theater but doesn't want the speakers visible in the room

The decorator will love the Niles MicroThin grilles because they virtually disappear. Specify the SG7C Square Grille to match the room decor.

INSTALL WITH REAR WAVE CONTROL ENCLOSURE TO NOT DISTURB THE BABY'S ROOM



Designer MicroThin™ grilles attach magnetically and provide a clean, virtually invisible look. Optional square grilles provide even more design flexibility.



Designer Aesthetics

Interior design professionals will appreciate the low-profile, magnetically attached MicroThin™ grilles, which blend unobtrusively with the room's décor. Paintable grilles and an optional square form factor provide the designer with the freedom to match room treatments and colors.

With DS loudspeakers, it's easy to create a great sounding audio system that's also easy to live with.



Audiophile Performance

DS Directed Soundfield™ loudspeakers have the ability to adapt to any room environment. The patented* pivoting driver assembly with a new patent-pending, smooth-action mechanism enables independent adjustment of the tweeter and woofer so sound is directed to the optimum location.

In addition, advanced driver materials, high-quality crossovers, and pivoting woofers and tweeters work in concert to provide a listening experience that sets the standard for ceiling-mount loudspeakers.



Installation Ease

New, patent-pending spring-tensioned mounting clamps adjust for uneven mounting surfaces and automatically compensate for the expansion and contraction of building materials. DS loudspeakers are weather-resistant and can be installed in moist areas such as saunas, bathrooms, and outdoor patios under eaves. Backed by our Lifetime Limited Warranty, DS loudspeakers install securely and provide years of listening pleasure.



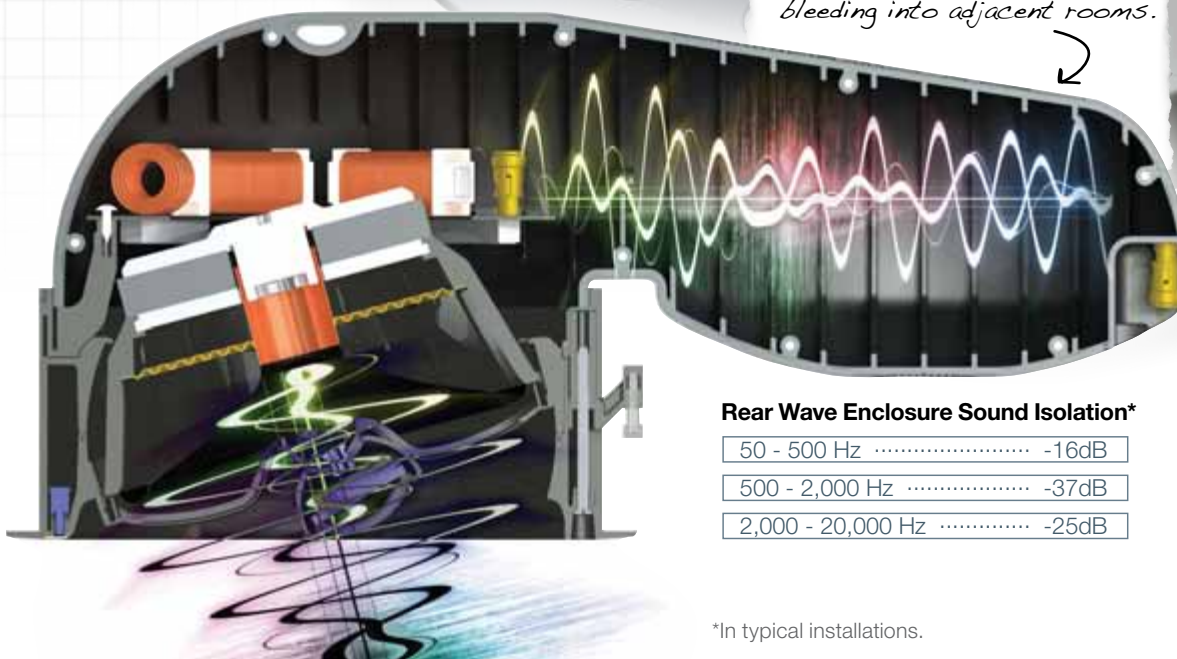
*US Patent No. 6,070,694

The Anatomy of Innovation...

Patented Directed Soundfield™ technology directs the sound to the listening area, regardless of where in the ceiling the loudspeaker is located.

Patent-pending pivot assembly ensures that the woofer rotates smoothly and then stays securely in place.

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.

The 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

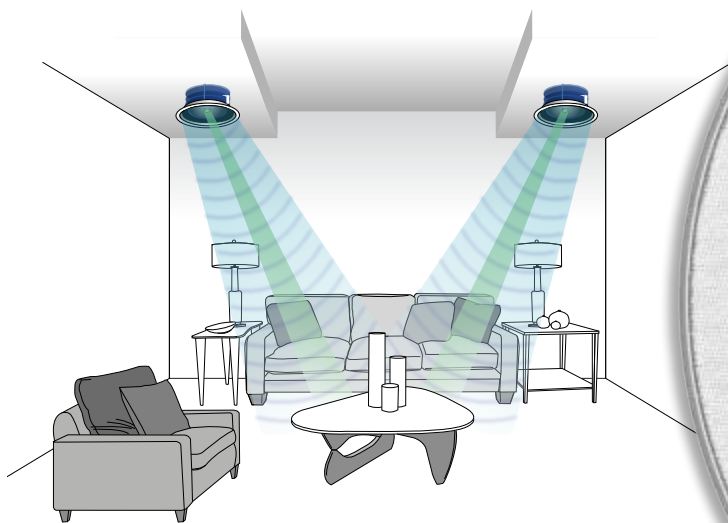
MicroThin speaker grilles can be painted to coordinate with any décor. Choose from round (included) or square (optional) grilles.

HIGHER OUTPUT, LOWER DISTORTION

Precision crossover networks, copper shorting caps, and Kapton voice coil formers easily handle the demands of digital music and home theatre.

INSTALL WITH CONFIDENCE

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



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

A Loudspeaker for Every Application...

MULTIZONE APPLICATIONS

DS7MP, DS7PR, DS8PR

Directed Soundfield™ MP and PR loudspeakers are great for stereo sound and home theatre applications. For basic background listening, we recommend the DS7MP. With glass fibre woofer cones, UltraSilk® tweeters, and Directed Soundfield pivoting woofer technology, the DS7MP provides smooth, lifelike sound reproduction, even when installed in vaulted or cathedral ceilings. For even better sound, step up to the DS7PR and the DS8PR. An upgraded Teteron® tweeter and computer-optimized 3rd and 4th order Linkwitz-Riley crossover reproduce every musical detail with exceptional accuracy.



HOME THEATRE APPLICATIONS

DS7HD & DS7FX, DS8HD & DS8FX

Directed Soundfield HD and FX loudspeakers are the front-row ticket for the ultimate home theatre. We recommend the DS7HD or DS8HD for the left/centre/right channels because their advanced IMPACT drivers, oversized voice coils, and premium crossovers have the guts to handle the dynamics of home theatre. A Dialogue Compensation Switch is also provided for midrange emphasis when used for the centre channel. FX surround effects models feature a Diffuse / Direct Switch to create spacious surround sound that optimally “envelops” the listener.



SINGLE LOUDSPEAKER APPLICATIONS

DS7SI

Trying to fit two loudspeakers into a small area for stereo sound is sometimes not practical. In small kitchens, foyers, bathrooms, and other tight spaces we recommend the DS7SI stereo input loudspeaker. When located close to the centre of the room, the DS7SI reproduces a convincing “stereo” sound from a single, easy-to-install loudspeaker.



...And Every Installation.

APPLICATION-SPECIFIC DESIGN

Niles Directed Soundfield Loudspeakers are organised into logical groupings based on application and function, making DS loudspeakers easy to specify, while delivering optimum performance for every installation.

MP – MULTIPURPOSE

A versatile ceiling-mount loudspeaker that performs well for background music and home theatre.

Applications include:

- Blending with light can fixtures
- Distributed audio
- Left/centre/right channel for family room, home theatres
- Outdoors on the patio



DS7MP

PR - PERFORMANCE

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

Applications include:

- Blending with light can fixtures
- Secondary or primary listening rooms
- Family rooms, kitchens, and bedrooms
- Left/centre/right channel for home theatres



DS7PR



DS8PR

HD - HIGH DEFINITION

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

Applications include:

- Left/centre/right channel for advanced home theatres
- Primary listening rooms



DS7HD



DS8HD

FX – SURROUND EFFECTS

Ceiling-mount loudspeakers for the surround effects (rear, side) channel in a wide variety of home theatre and multi-channel music applications.

Applications include:

- 5.1 and 7.1-channel home theatre systems
- Multi-channel music systems



DS7FX



DS8FX

SI – STEREO INPUT

Provides stereo sound from a single, unobtrusive loudspeaker—ideal for locations that cannot support more than one loudspeaker.

Applications include:

- Hallways, foyers, kitchens
- Commercial applications such as restaurant bathrooms and small dining areas



DS7SI

7" DIRECTED SOUNDFIELD™ CEILING-MOUNT LOUDSPEAKERS

DS7MP

7" Directed Soundfield™ Left/Centre/Right Loudspeaker

For distributed audio, background music, and home theatre applications

**FEATURES**

- Integrated baffle/frame assembly
- 7" glass fibre woofer cone with curvilinear profile
- 1" UltraSilk® soft dome tweeter
- Dialogue switch for centre 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): 25.15 cm diameter
- Hole cutout dimensions: 21.6 cm diameter
- Depth behind ceiling (5/8" drywall): 13.6 cm

WARRANTY: Lifetime Limited

SHIPPING WEIGHT: 2.72 kg

**DS7PR**

7" Directed Soundfield™ Left/Centre/Right Loudspeaker

For primary and secondary listening rooms and home theatre applications

**FEATURES**

- Integrated baffle/frame assembly
- 7" glass fibre woofer cone with curvilinear profile
- 1" fluid-cooled Teteron® dome tweeter
- Dialogue switch for centre 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): 25.15 cm diameter
- Hole cutout dimensions: 21.6 cm diameter
- Depth behind ceiling (5/8" drywall): 13.6 cm

WARRANTY: Lifetime Limited

SHIPPING WEIGHT: 2.72 kg

**DS7HD**

7" Directed Soundfield™ Left/Centre/Right Loudspeaker

For advanced home theatres and primary listening rooms

**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 centre-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): 25.15 cm diameter
- Hole cutout dimensions: 21.6 cm diameter
- Depth behind ceiling (5/8" drywall): 13.6 cm

WARRANTY: Lifetime Limited

SHIPPING WEIGHT: 2.72 kg



7" DIRECTED SOUNDFIELD™ CEILING-MOUNT LOUDSPEAKERS

DS7FX

7" Directed Soundfield™ Surround Effects Loudspeaker

For surround effects in multi-channel home theatre applications



FEATURES

- Integrated baffle/frame assembly
- 7" glass fibre 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): 25.15 cm diameter
- Hole cutout dimensions: 21.6 cm diameter
- Depth behind ceiling (5/8" drywall): 13.6 cm

WARRANTY: Lifetime Limited

SHIPPING WEIGHT: 5.44 kg



DS7SI

7" Directed Soundfield™ Stereo Input Loudspeaker

For multipurpose single speaker stereo applications



FEATURES

- Integrated baffle/frame assembly
- 7" glass fibre woofer cone 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: 8 ohm nominal; 6 ohm minimum
- Frequency response: 55 Hz to 21 kHz +/- -3 dB
- Frame dimensions (with grille): 25.15 cm diameter
- Hole cutout dimensions: 21.6 cm diameter
- Depth behind ceiling (5/8" drywall): 13.6 cm

WARRANTY: Lifetime Limited

SHIPPING WEIGHT: 2.72 kg



7" DIRECTED SOUNDFIELD™ CEILING-MOUNT LOUDSPEAKER ACCESSORIES

RWE7C

7" Rear Wave Control Enclosure



- Provides superior-quality predictable sound
- Reduces sound transfer into adjacent rooms or spaces
- Not for use with the DS7SI

SG7C

7" Square MicroThin™ Grilles



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

8" DIRECTED SOUNDFIELD™ CEILING-MOUNT LOUDSPEAKERS

DS8PR

8" Directed Soundfield™ Left/Centre/Right Loudspeaker

For primary and secondary listening rooms and home theatre applications.

**FEATURES**

- Integrated baffle/frame assembly
- 8" glass fibre woofer cone with curvilinear profile
- 1" fluid-cooled Teteron® dome tweeter
- 1-1/2" fluid-cooled Teteron® dome midrange
- Dialogue switch for home theatre 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): 28.52 cm diameter
- Hole cutout dimensions: 24.76 cm diameter
- Depth behind ceiling (5/8" drywall): 13.6 cm

WARRANTY: Lifetime Limited

SHIPPING WEIGHT: 3.17 kg

**DS8HD**

8" Directed Soundfield™ Left/Centre/Right Loudspeaker

For advanced home theatres and primary listening rooms.

**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 centre 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): 28.52 cm diameter
- Hole cutout dimensions: 24.76 cm diameter
- Depth behind ceiling (5/8" drywall): 13.6 cm

WARRANTY: Lifetime Limited

SHIPPING WEIGHT: 3.17 kg



8" DIRECTED SOUNDFIELD™ CEILING-MOUNT LOUDSPEAKERS

DS8FX

8" Directed Soundfield™ Surround Effects Loudspeaker

For surround effects in multi-channel home theatre applications



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): 28.52 cm diameter
- Hole cutout dimensions: 24.76 cm diameter
- Depth behind ceiling (5/8" drywall): 13.6 cm

WARRANTY: Lifetime Limited

SHIPPING WEIGHT: 6.34 kg



8" DIRECTED SOUNDFIELD™ CEILING-MOUNT LOUDSPEAKER ACCESSORIES

RWE8C

8" Rear Wave Control Enclosure



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

SG8C

8" Square MicroThin™ Grille Cover



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

System Packages

DS7PR Series - Directed Soundfield Home Theatre System

PR7 SYSTEM

Affordable, Hidden Home Theatre

A complete solution utilizing ceiling mount loudspeakers specifically tailored for front, centre and surround effect applications.



DS7HD Series - Directed Soundfield Home Theatre System

HD7 SYSTEM

A Step Up for Home Theatre Buffs

By upgrading to IMPACT (Improved Aluminium Ceramic Technology) drivers and Kapton voice coil formers, this system significantly improves bass impact and high frequency smoothness.



DS8HD Series - Directed Soundfield Home Theatre System

HD8 SYSTEM

Ceiling Mount System for Discerning Listeners

This alternative to high-quality conventional loudspeakers takes advantage of a 3-way driver system with better midrange detail, offering a front-row ticket for the ultimate home theatre.

