Cloud
Clearly better sound

é ® SISTEMAS
VISUAL COMMUNICATION SOLUTIONS
MULTIMEDIA PRODUCTS

Products and Accessories Catalogue   2022

MADE IN BRITAIN ®

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Cloud
Clearly better sound

For well over three decades Cloud has led the field in high-quality commercial audio systems. Over this time the world's most prestigious and respected brand names have turned to us consistently without question.

Blue-chip brands from high street retail, international hotels, museums, entertainment venues, health and fitness centres: they all choose Cloud, the reason? Together we share an uncompromising commitment to excellence. We understand the importance of reliability in all business enterprises. We know that quality pays for itself.

Our clients value clear and faultless sound that is easily managed and consistently reliable. Cloud enjoys a worldwide reputation for delivering exactly that, a reputation won almost entirely through word of mouth.
We set the greatest benchmark - performance over time.

All of our products are backed with a five-year guarantee.

It's Cloud's four-stage process that guarantees outstanding reliability and performance

We design for reliability

The most important stage is the original design integrity. Cloud designs all its products with the principle of reliability first. It is of no use having outstanding sound and a quality build if it fails within six months. Dependability and excellence are our primary objectives.
We design our products for specific tasks, and we call on many years of experience from real-life installations in order to execute this design work appropriately and effectively. Our in-house research and development team doesn't cut corners.

Component choice

We're meticulous. We choose the best for the job – If you're designing for reliability and quality then it is logical to ensure you are using the right components from the start. There may be hundreds to choose from, we've tested them all. And we pick the ones we know won't let us down. No weak links, no breakdowns, no errors, no awkward silences, no expensive service call-outs.

COMMERCIAL 5 YEAR GUARANTEE

Mechanical and electrical testing

Every single product, when it is being assembled, is put through a stringent range of audio precision tests: Using exacting test equipment and following precise engineer designed scripts, Cloud's experienced test engineers put every product through lengthy electrical and mechanical tests to ensure that all products are performing in line with our high standards before then passing them for Sound Testing.

Sound testing

Once assembled, we then put every single product through extensive sound testing, our team are trained to know how to spot the most subtle of defects, they are often professionals from the field in which the equipment will be used. This is to say we listen to everything we make, turn every switch and push every button. Nothing leaves our facility in Sheffield without working 100% and ready to carrying on doing so for years.

In-Ceiling & Surface Mount Speakers

Designed exclusively for Cloud Electronics in the USA by a specialist team of speaker design engineers. These speakers are extremely installer friendly and are tuned to complement the Cloud range of amplifiers and mixer amplifiers. The entire range are 100 V line and Low-Z. Designed with purpose, tested with care, to **sound better** and **last longer**.

CS-C3B & CS-C3W

3" In-Ceiling Speaker with a 100mm Shallow Back Can

Introduction

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The Cloud CS-C3 In-Ceiling Speaker is a 3" full range loudspeaker featuring exceptional intelligibility and musical performance. Using components, the CS-C3 offers high musicality, with high intelligibility, prioritising bass response over sensitivity. All models offer ZeroEdge™ magnetic grilles which reveal the high/low impedance switch settings for distributed audio systems.

Designed exclusively for Cloud Electronics in the USA by a specialist team of speaker design engineers, the new CS-C Series speakers are extremely installer friendly and are tuned to complement the Cloud range of amplifiers and mixer amplifiers. Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

- 16W, 8W, 4W, 2W, 1W or 16W @ 16Ω
- 3" treated paper with rubber surround
- Nom SPL: 82dB 1W/1m Max SPL: 94dB @ 1m
- Locking euroblock connector
- Choice of black or white magnetic grill
- Optional: Square Grille or Hexagonal Grille

Loudspeaker Dimensions

(5.94in)
Ø 151mm

(5.32in)
Ø 135mm
Minimum
cutout dia.

(6in)
Ø 152.4mm

(0.12in)
3mm

(3.92in)
99.5mm

(3.80in)
97mm
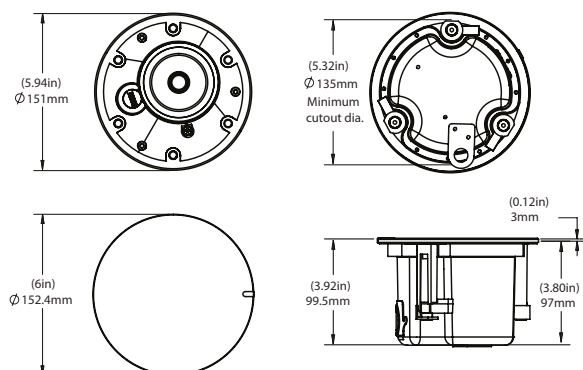
Optional Replacement Grilles

Square Grille
CS-3SQUAREGRILL

Round Grille
CS-3ROUNDGRILL

Hexagonal Grille
CS-3HEXGRILL

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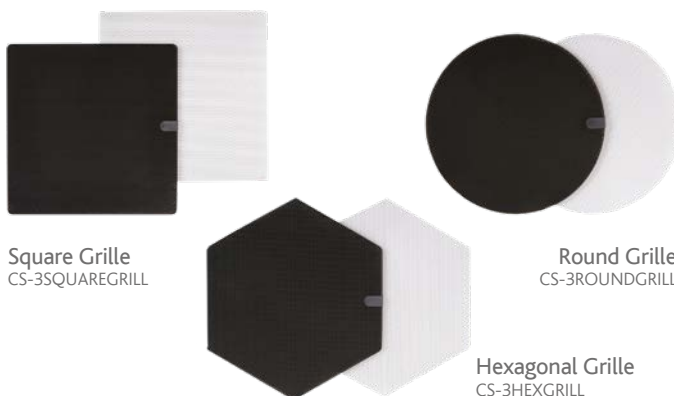
CS-C4VB & CS-C4VW / CS-C4HB & CS-C4HW

4" In-Ceiling Speaker with a 100mm Metal Back Can

Round Grille
CS-4Grill-B
CS-4Grill-W

Square Grille
CS-4SQGRILL-B
CS-4SQGRILL-W

The all-new line of Cloud CS-C4 speakers brings the premium Cloud signature sound to a diverse line of value priced speakers. The CS-C4 family includes 2 distinct models for specialized performance, including:

CS-C4V premium in-ceiling speaker at a value price point

CS-C4H low impedance in-ceiling speaker with premium performance and excellent pricing designed for Bathroom Applications

Both CS-C4 speakers share the same premium drivers and electronics, offering class leading intelligibility, premium musical performance, and excellent off-axis performance. The minimal diameter and installation depth make installation options flexible, and the ZeroEdge magnetic grill keeps the finished installation free of visual clutter.

CS-C4V

Smaller than the CS-C4, but with better acoustics and a lower price

Shallow backcan design for installation in tight spaces

Accessible high-impedance or low impedance switch settings

16 ohm impedance for low impedance daisy chaining

CS-C4H

Premium low impedance performance at a value price

With sealed back can for moisture protection, transformer, and tap switch to push price even lower

Plastic Magnetic Grille

16 ohm impedance for low impedance daisy chaining

Loudspeaker Dimensions

(11.26in)
Ø 286mm

(10.39in)
Ø 264mm
Minimum cutout dia.

(11.39in)
Ø 289.3mm

(0.15in)
3.9mm

Inc. Grille
(4.06in)
103mm

(3.90in)
96.1mm

Tile Bridge

(11.22in)
285mm

(23.62in)
600mm

(0.51in)
13mm

(6.69in)
Ø 170mm
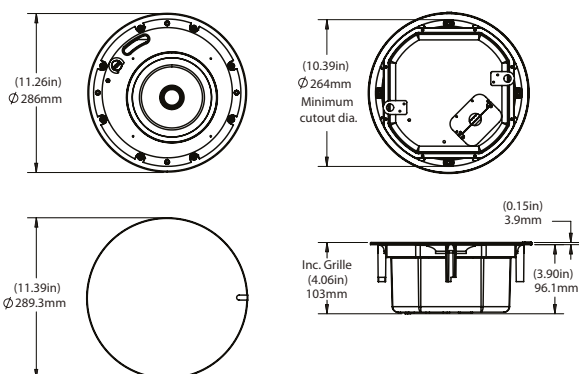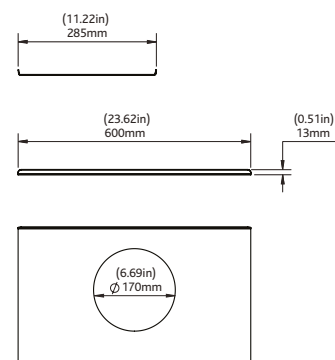
CS-4TB-4P
(4 Pack)

CS-C5B & CS-C5W

5" In-Ceiling Speaker with a 100mm Metal Back Can

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Round Grille
CS-8Grill-B
CS-8Grill-W

Square Grille
CS-8SQGRILL-B
CS-8SQGRILL-W

The Cloud CS-C5 In-Ceiling Speaker is a 5-inch coaxial two-way loudspeaker featuring exceptional intelligibility and musical performance. Using premium drivers and electronics, the CS-C5 offers high sensitivity, smooth frequency response and excellent off-axis performance. All models offer ZeroEdge™ magnetic grilles which reveal the high/low impedance switch settings for distributed audio systems.

Designed exclusively for Cloud Electronics in the USA by a specialist team of speaker design engineers, the new CS-C Series speakers are extremely installer friendly and are tuned to complement the Cloud range of amplifiers and mixer amplifiers. Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

- Magnetic ZeroEdge™ grille with removable badge
- Easy inventory management with a single tile bridge and common grilles for the whole CS-C series
- Only one hole size to cut for all models within the CS-C series
- Premium drivers for exceptional sound quality and intelligibility
- Integrated high power transformer
- 16 ohm impedance for low impedance daisy chaining
- Low profile back can for installation into small ceiling voids
- Front mounted tap switch
- 4-pin quick connector for easy daisy-chaining and secure connections
- Available colours: black, white

Loudspeaker Dimensions

(11.26in)
⌀286mm

(10.39in)
⌀264mm
Minimum
cutout dia.

(11.39in)
⌀289.3mm

(0.15in)
3.9mm

Inc. Grille
(4.06in)
103mm

(3.90in)
96.1mm

Tile Bridge

(14.04in)
356.6mm

(23.62in)
600mm

(0.51in)
13mm

(10.67in)
⌀271mm

CS-TB-4P
(4 Pack)

Pre-install Mud Guard

(0.86in)
22mm

(37.83in)
961mm

(13.54in)
344mm

(10.67in)
⌀271mm

(4.52in)
115mm

CS-PI-10P
(10 Pack)

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CS-C6B & CS-C6W
6.5" In-Ceiling Speaker with a 200mm Metal Back Can
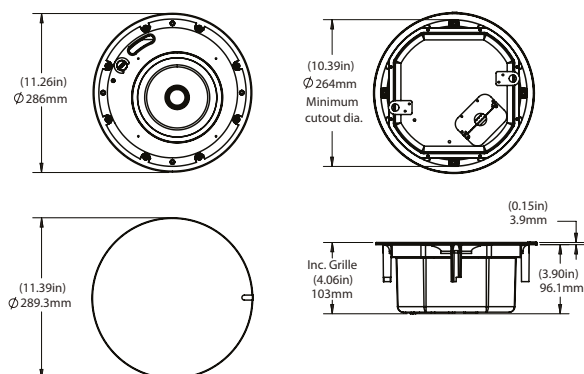
Round Grille
CS-8Grill-B
CS-8Grill-W

Square Grille
CS-8SQGRILL-B
CS-8SQGRILL-W

The Cloud CS-C6 is a 6.5 inch coaxial two way in-ceiling loudspeaker featuring exceptional intelligibility and musical performance. Using premium drivers and electronics, the CS-C6 offers high sensitivity, smooth frequency response, and excellent off axis performance. The 6.5 inch woofer incorporates a large magnet structure, a treated paper cone, and a butyl rubber surround for lasting, low distortion performance. The 1.0 inch tweeter is a silk soft dome with a phase plug to smoothly distribute the high frequency energy. The included 32 W transformer provides plenty of power for even high SPL applications. The 16 ohm impedance allows for easy low impedance daisy chaining.

The CS-C6 incorporates several innovative features that make it a truly remarkable speaker. The ZeroEdge™ grille is magnetically attached for easy installation, and features a completely seamless transition from grille to ceiling. The entire CS-C series of speakers uses the same diameter back can which simplifies installation, and inventory management with only one size hole to cut, one size grille to install, and one size tile bridge to bring to the job site.

Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

- Magnetic ZeroEdge™ grille with removable badge
- Easy inventory management with a single tile bridge and common grilles for the whole CS-C series
- Only one hole size to cut for all models within the CS-C series
- Premium drivers for exceptional sound quality and intelligibility
- Integrated high power transformer
- 16 ohm impedance for low impedance daisy chaining
- Low profile back can for installation into small ceiling voids
- Front mounted tap switch
- 4-pin quick connector for easy daisy-chaining and secure connections
- Available colours: black, white
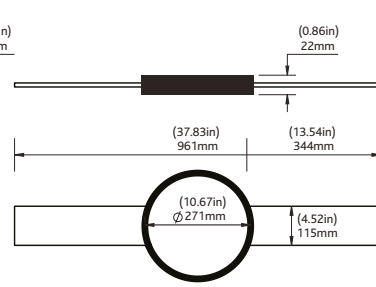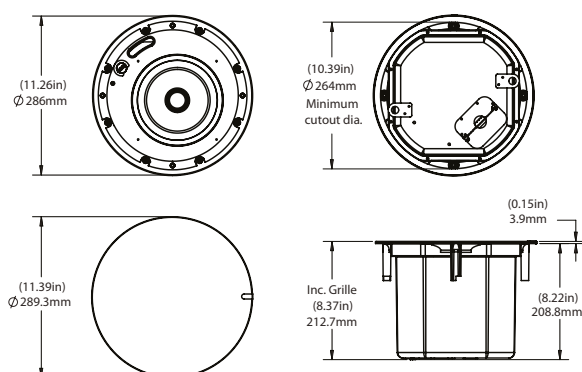
Loudspeaker Dimensions

(11.26in)
∅ 286mm

(10.39in)
∅ 264mm
Minimum cutout dia.

(11.39in)
∅ 289.3mm

Inc. Grille
(8.37in)
212.7mm

(0.15in)
3.9mm

(8.22in)
208.8mm

Tile Bridge

(14.04in)
356.6mm

(23.62in)
600mm

(0.51in)
13mm

(10.67in)
∅ 271mm

CS-TB-4P
(4 Pack)

Pre-install Mud Guard

(0.86in)
22mm

(37.83in)
961mm

(13.54in)
344mm

(10.67in)
∅ 271mm

(4.52in)
115mm

CS-PI-10P
(10 Pack)

CS-C8B & CS-C8W

8" In-Ceiling Speaker with a 200mm Metal Back Can

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Round Grille
CS-8Grill-B
CS-8Grill-W

Square Grille
CS-8SQGRILL-B
CS-8SQGRILL-W

The Cloud CS-C8 is an 8 inch coaxial two way in-ceiling loudspeaker featuring exceptional intelligibility and musical performance. Using premium drivers and electronics, the CS-C8 offers high sensitivity, smooth frequency response, and excellent off axis performance. The 8.0 inch woofer incorporates a large magnet structure, a treated paper cone, and a butyl rubber surround for lasting, low distortion performance. The 1.0 inch tweeter is a silk soft dome with a phase plug to smoothly distribute the high frequency energy. The included 64 W transformer provides plenty of power for even high SPL applications. The 16 ohm impedance allows for easy low impedance daisy chaining.

The CS-C8 incorporates several innovative features that make it a truly remarkable speaker. The ZeroEdge™ grille is magnetically attached for easy installation, and features a completely seamless transition from grille to ceiling. The entire CS-C series of speakers uses the same diameter back can which simplifies installation, and inventory management with only one size hole to cut, one size grille to install, and one size tile bridge to bring to the job site.
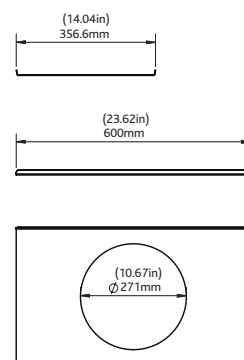
Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

- Magnetic ZeroEdge™ grille with removable badge
- Easy inventory management with a single tile bridge and common grilles for the whole CS-C series
- Only one hole size to cut for all models within the CS-C series
- Premium drivers for exceptional sound quality and intelligibility
- Integrated high power transformer with transformer bypass
- 16 ohm impedance for low impedance daisy chaining
- Low profile back can for installation into small ceiling voids
- Front mounted tap switch
- 4-pin quick connector for easy daisy-chaining and secure connections
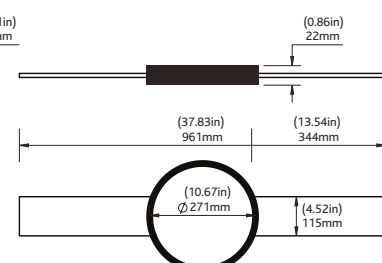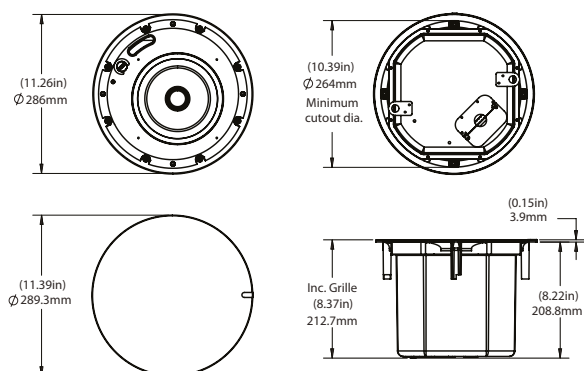- Available colours: black, white

Loudspeaker Dimensions

(11.26in)
Ø 286mm

(10.39in)
Ø 264mm
Minimum
cutout dia.

(11.39in)
Ø 289.3mm

(0.15in)
3.9mm

Inc. Grille
(8.37in)
212.7mm

(8.22in)
208.8mm

Tile Bridge

(14.04in)
356.6mm

(23.62in)
600mm

(0.51in)
13mm

(10.67in)
Ø 271mm

CS-TB-4P
(4 Pack)

Pre-install Mud Guard

(0.86in)
22mm

(37.83in)
961mm

(13.54in)
344mm

(10.67in)
Ø 271mm

(4.52in)
115mm

CS-PI-10P
(10 Pack)

Introduction

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CS-CSUB8B & CS-CSUB8W

8" In-Ceiling Subwoofer with a 200mm Metal Back Can

Round Grille
CS-8Grill-B
CS-8Grill-W

Square Grille
CS-8SQGRILL-B
CS-8SQGRILL-W

Cloud's new and exciting CS-CSUB8 is an 8-inch in ceiling subwoofers designed perfectly for any application. Excellent low frequency extension, ZeroEdge™ magnetic speaker grilles available in black or white, accessible high-impedance or low impedance switch settings and removable logos ensure Cloud speakers can be used discretely in almost any venue.

Designed exclusively for Cloud Electronics in the USA by a specialist team of speaker design engineers, the new CS-C Series speakers are extremely installer friendly and are tuned to compl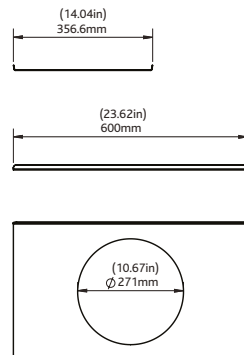ement the Cloud range of amplifiers and mixer amplifiers. Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

- Magnetic ZeroEdge™ grille with removable badge
- Easy inventory management with a single tile bridge and common grilles for the whole CS-C series
- Only one hole size to cut for all models within the CS-C series
- Premium drivers and electronics for exceptional sound quality and intelligibility
- Integrated high power transformer with transformer bypass
- Integrated back can
- 4-pin Euroblock connectors for easy daisy-chaining and secure connections
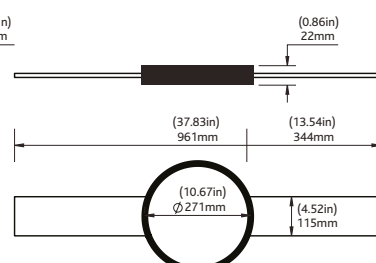- Available colours: black, white

Loudspeaker Dimensions

(11.26in)
⌀286mm

(10.39in)
⌀264mm
Minimum cutout dia.

(11.39in)
⌀289.3mm

(0.15in)
3.9mm

Inc. Grille
(8.37in)
212.7mm

(8.22in)
208.8mm

Tile Bridge

(14.04in)
356.6mm

(23.62in)
600mm

(0.51in)
13mm

(10.67in)
⌀271mm

CS-TB-4P
(4 Pack)

Pre-install Mud Guard

(0.86in)
22mm

(37.83in)
961mm

(13.54in)
344mm

(10.67in)
⌀271mm

(4.52in)
115mm
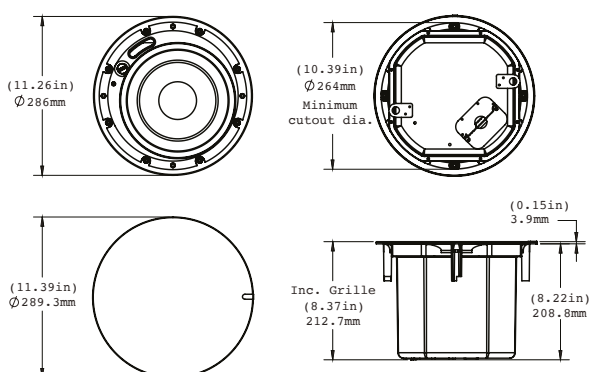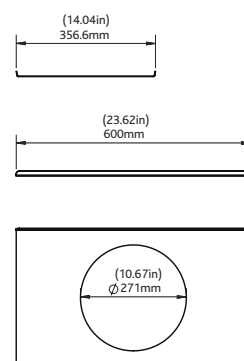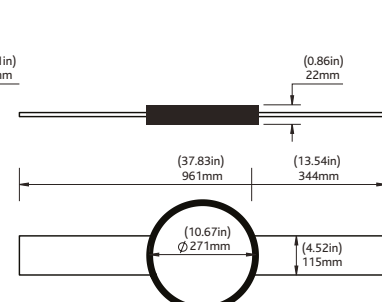
CS-PI-10P
(10 Pack)

CS-S3B & CS-S3W

3" Surface Mounted Speaker with Omnidirectional Mounting

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The Cloud CS-S3 is a 3 inch full range surface mount loudspeaker featuring exceptional intelligibility and musical performance. Using a premium woofer and crossover electronics, the CS-S3 offers clear intelligibility, smooth frequency response, and excellent off axis performance. The 3.0 inch woofer incorporates a large magnet structure, a polypropylene co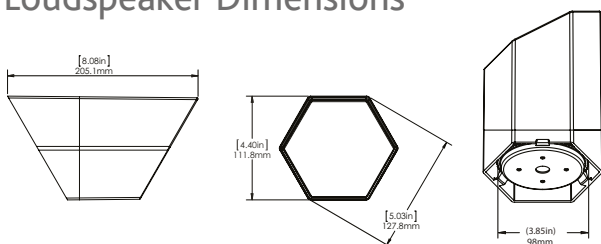ne, and a butyl rubber surround for lasting, low distortion performance, and exceptional weather resistance. The included 16 W transformer provides plenty of power for background music and voice messaging applications. The 16 ohm impedance allows for easy low impedance daisy chaining.

The CS-S3 incorporates several innovative features that make it a truly remarkable speaker. The omnidirectional mounting system allows the installer to easily aim the speaker at any point within the space without any tools, and with no bulky brackets. The round surface mount bracket mounts easily to any surface with just two screws, and is completely hidden when the speaker is snapped on. The distinctive styling makes the speaker look intentional in all orientations. When coupled with the CS-CSUB8 or CS-SSUB8, the CS-C3 and CS-S3 offer a premium business music system with exceptional performance and aesthetics in a small package.

Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

• Premium driver and electronics for exceptional sound quality and intelligibility
• Integrated high power transformer
• Integrated high power transformer with bypass
• 16 ohm for low impedance daisy chaining
• Striking architectural aesthetic
• Omnidirectional, tool free installation and aiming

Loudspeaker Dimensions

[8.08in]
205.1mm

[4.40in]
111.8mm

[5.03in]
127.8mm

(3.85in)
98mm

Omnidirectional Mount

Rear View

Flush Mounting Ring

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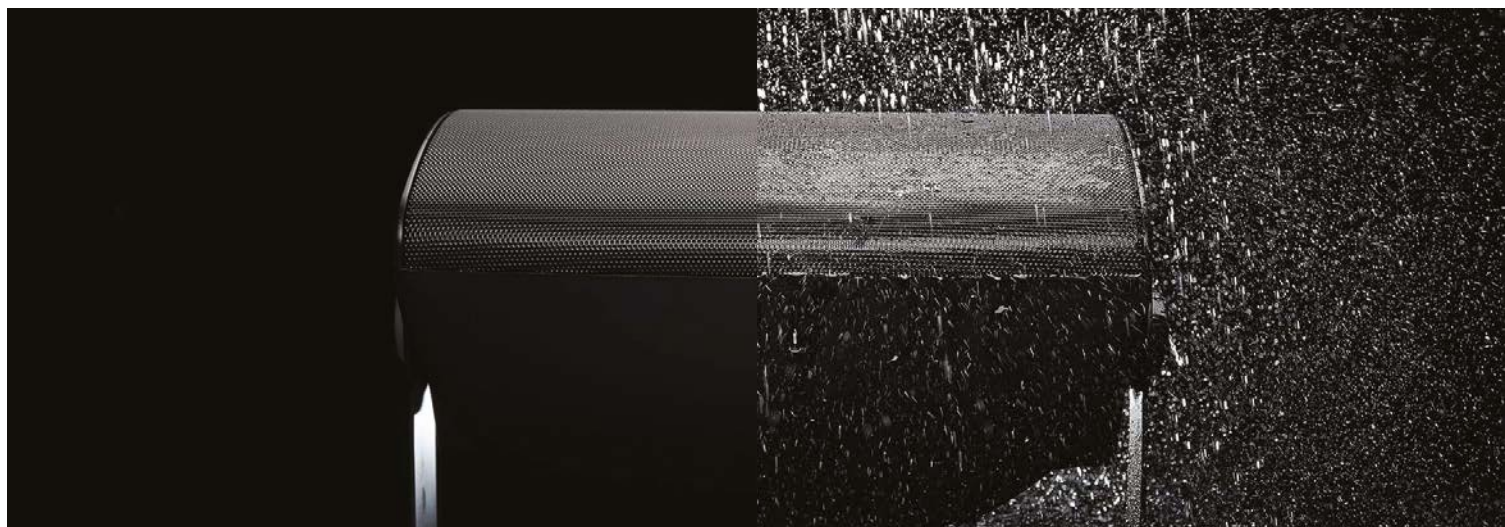Accessories Index

CS-S4B & CS-S4W

4" Surface Mounted Speaker

The Cloud CS-S4 is a 4.0 inch coaxial two way surface mount loudspeaker featuring exceptional intelligibility and musical performance. Suitable for internal or outdoor use, the CS-S4 conforms to IP rating IP55 (protection from limited dust ingress, and low pressure water jets from any direction) when fitted with the supplied port plug. Using premium drivers and electronics, the CS-S4 offers high sensitivity, smooth frequency response, and excellent off axis performance. The 4.0 inch woofer incorporates a large magnet structure, a polypropylene cone, and a butyl rubber surround for lasting, low distortion performance. The 19mm (0,75 in) soft dome tweeter contributes to the smooth distribution of off axis HF energy. The included 20 W transformer provides plenty of power for background to foreground applications. The 16 ohm impedance allows for easy low impedance daisy chaining.

Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

• Easy access front mounted tap switch
• Premium drivers for exceptional sound quality and intelligibility
• Integrated high power transformer with bypass
• 16 ohm for low impedance daisy chaining
• Designed to mount vertically and horizontally
• Coaxial drivers for optimal off axis performance
• 4-pin Euroblock connectors
• Corrosion resistant Aluminium grille and U-bracket

Loudspeaker Dimensions

(7.30in)
185mm

(11.66in)
296.30mm

(7.25in)
184.07mm

(1.97in)
50mm

(10.10in)
277.30mm

(6.03in)
153.05mm

Rear Image

CS-S6B & CS-S6W

6.5" Surface Mounted Speaker

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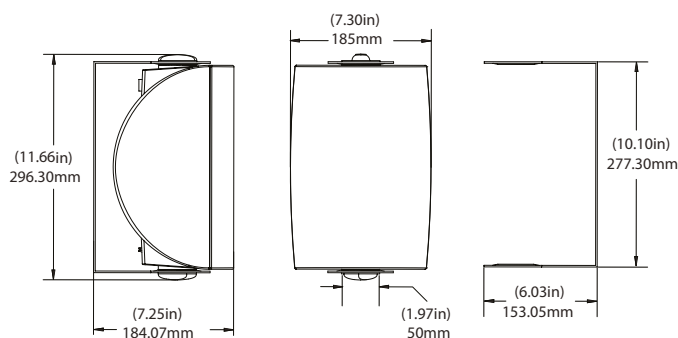and Accessories

Accessories Index

The Cloud CS-S6 is a 6.5 inch coaxial two way surface mount loudspeaker featuring exceptional intelligibility and musical performance. Suitable for internal or outdoor use, the CS-S6 conforms to IP rating IP55 (protection from limited dust ingress, and low pressure water jets from any direction) when fitted with the supplied port plug. Using premium drivers and electronics, the CS-S6 offers high sensitivity, smooth frequency response, and excellent off axis performance. The 6.5 inch woofer incorporates a large magnet structure, a polypropylene cone, and a butyl rubber surround for lasting, low distortion performance. The 1.0 inch (25.4 mm) tweeter is a silk soft dome with a phase plug to smoothly distribute the high frequency energy. The included 32 W transformer provides plenty of power for even high SPL applications. The 16 ohm impedance allows for easy low impedance daisy chaining.

Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

• Easy access front mounted tap switch
• Premium drivers for exceptional sound quality and intelligibility
• Integrated high power transformer with bypass
• 16 ohm for low impedance daisy chaining
• Designed to mount vertically and horizontally
• Coaxial drivers for optimal off axis performance
• 4-pin Euroblock connectors
• Corrosion resistant Aluminium grille and U-bracket
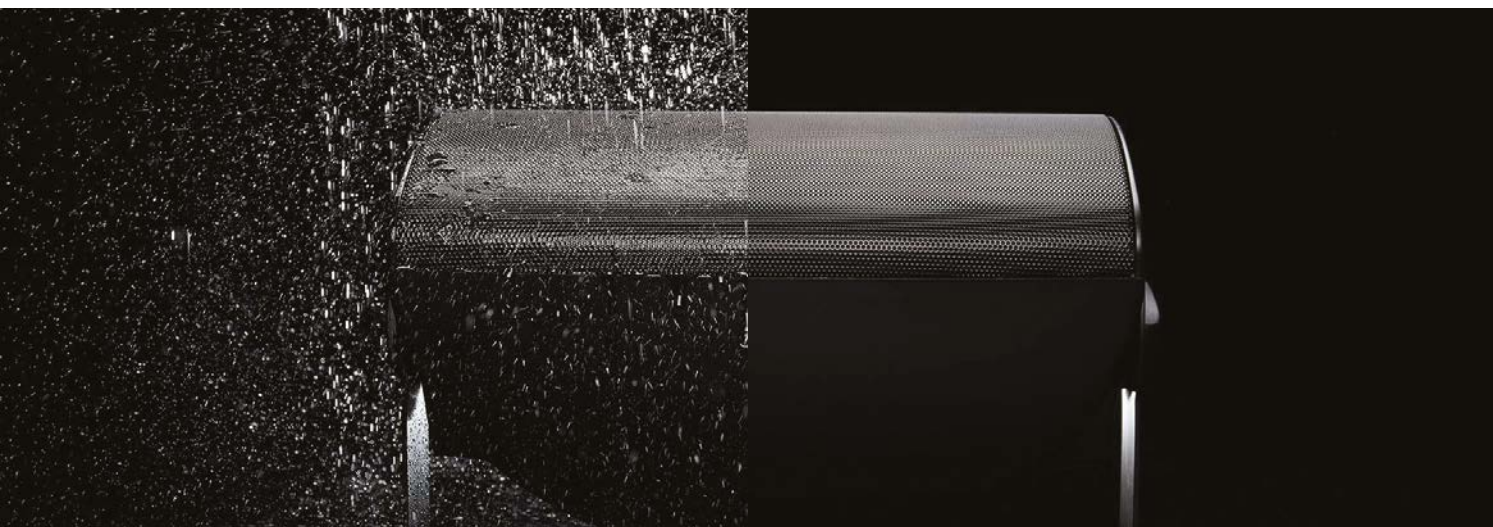
Loudspeaker Dimensions

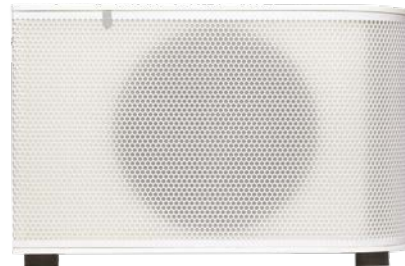## Rear Image

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CS-SUB8B & CS-SUB8W

8" Surface Mounted Subwoofer

The Cloud CS-SUB8 is an 8 inch passive subwoofer featuring powerful bass response in a small package. Using a premium woofer and first order crossover network, the CS-SUB8 adds punch and low end reinforcement to Cloud's line of full range speakers. The 8.0 inch woofer incorporates a large magnet structure, treated paper cone, and long throw butyl rubber surround for lasting, low distortion performance. The included 100 W transformer provides plenty of power for background to foreground music applications.

The CS-SUB8 incorporates several features that make it a premium, versatile subwoofer. The low profile cabinet is easy to hide in any installation, but the architectural aesthetic makes it desirable to show. The CS-SUB8 ships with rubber feet installed for floor or shelf mounting, and includes a versatile surface mount bracket that can securely mount the speaker in either the vertical or horizontal orientation. It can also be flown via the threaded inserts on the side or bottom. The CS-SUB8 pairs well with the CS-S3 and CS-C3 to make a complete, premium business music system.

Built for quality performance Cloud speakers are designed and tested to a superior standard by engineers who care and include a comprehensive 5-Year commercial warranty.

• Premium driver for exceptional sound quality and intelligibility
• Integrated high power transformer
• Striking architectural aesthetic
• Versatile mounting using included rubber feet, or included surface mount bracket
• Optional flying using forged eye bolts and cables (sold separately)

Loudspeaker Dimensions

(10.7in) 271.8mm

(8.24in) 209.3mm

(16.51in) 419.4mm

(9.9in) 251.5mm

(0.78in) 19.8mm
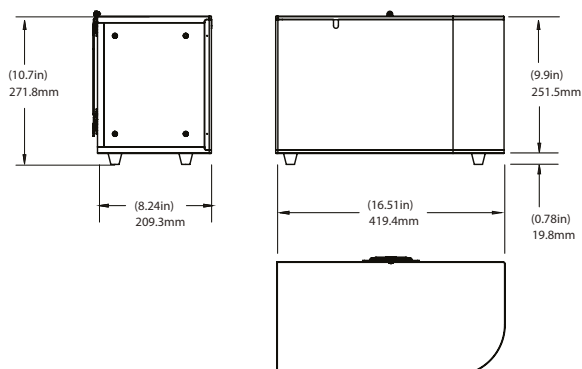
Without Grille

Digitally Controlled Mixers

Cloud's digitally controlled zone mixer combines traditional "installer-friendly" analogue I/O and signal path, with the flexibility and adaptability of digital control.

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DCM1 : Digitally Controlled Zone Mixer

8 stereo line inputs, 4 ME-1 inputs plus paging mic, 8 balanced outputs (2 stereo plus 6 mono)

General Description

- 8 stereo line inputs (1 balanced)
- 8 balanced line outputs (2 stereo + 6 mono)
- 4 dedicated ports for optional remote line input modules
- 4 dedicated ports for optional remote mic input modules
- Mic paging to all zones with fully programmable override logic
- Separate analogue paging mic input with contact closure zone selection
- Separate RJ45 interface for PM Series digital paging microphones
- Supports multiple CDR-1 Remote Controls (optional) in any wiring configuration

- CDR-1 provides local control of source, level, EQ and group enable
- 2 x 16 character LCD dot-matrix display (both DCM-1 and CDR-1)
- 4 definable zone groups
- Any line input may have priority in any zone; operation also configurable per-zone
- Code-protected "Installer" mode (both DCM1 and CDR-1) prevents user access to configuration menus
- Inputs, zones and groups can be named
- RS232 interface for control by third-party control systems

- Front-panel LEDs confirm remote access
- Optional equaliser modules for Bose®, Amina and Active Audio loudspeakers can be fitted
- No PC required
- Multiple DCM1's may be cascaded for larger systems
- External Music Mute input for interfacing with emergency systems
- Any input (mic or line) may be assigned as Emergency Input, overriding Music Mute
- 2U 19" rack-mounting unit

Application Diagram

7 Zone Hotel Install

Mixed HighZ & LowZ application with Zones 1-3 using 100v and Zones 4-7 using 8Ω Output. Wall mount remotes for the main areas plus a Local Line Level Input via LE-1A in the Main Bar.
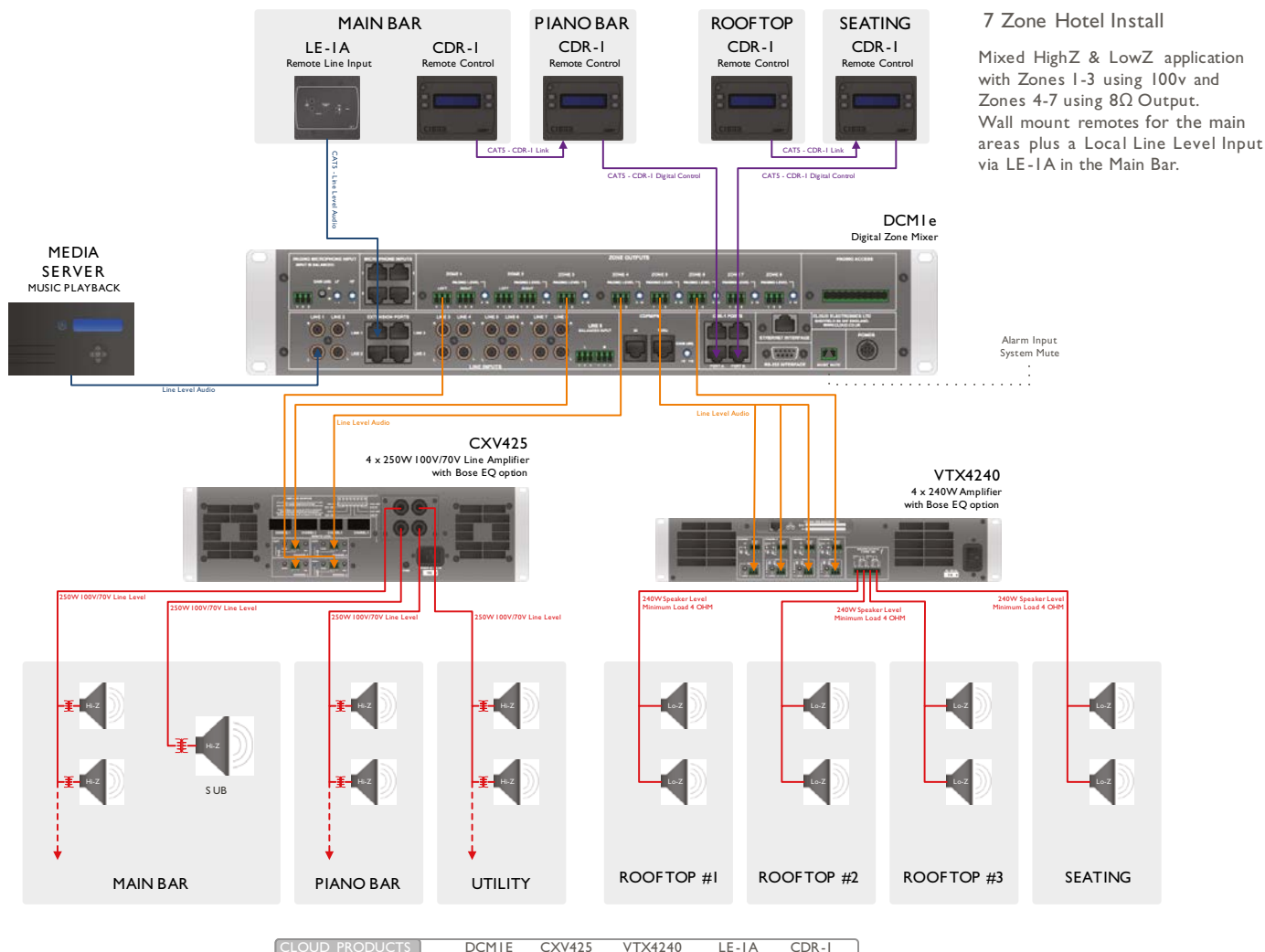
DCM1e : Ethernet Digitally Controlled Zone Mixer

8 stereo line inputs, 4 ME-1 inputs plus paging mic, 8 balanced outputs (2 stereo plus 6 mono)

The DCM1e is a new Ethernet version of the popular DCM1 Digital Control Zone Mixer. The addition of an Ethernet port on the rear panel of the new DCM1e allows its in-built Ethernet web-server to be connected via an RJ-45 socket to an independent or existing wireless router.

This new feature means the new DCM1e can be configured and controlled remotely by any mobile device or PC connected to the network.

Using the web browser of any mobile End Users have "limited installer defined" controls via simple and intuitive interface pages. Installers have administrator status via "Configuration Options" which are password protected.
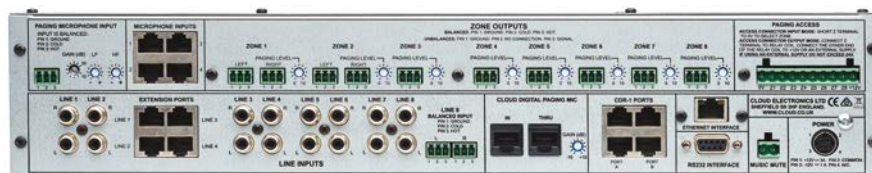
General Description

- 8 Stereo Line Inputs (1 Balanced)
- Balanced Line Outputs (2 Stereo + 6 Mono)
- Dedicated RJ-45 Ports for optional Line Inputs (LE-1)
- 4 Dedicated RJ-45 Ports for optional Mic Input Sockets (ME-1)

- Microphone Paging to all or any zone with fully programmable override logic
- Separate analogue paging Microphone Input with analogue contact closure selection
- Configurable remote Controls (CDR-1)
- Configurable Line Priority by Zone

- RS-232 Interface for Crestron/Other Control
- Ethernet Connection Socket and Web Server for PC, Tablet & Mobile Device Control
- Accepts Bose®, Amina and Active Audio EQ cards

Mobile Graphics

Menu Screen

Music Screen

Group Screen

Security Settings Screen

Configuration / Set Up

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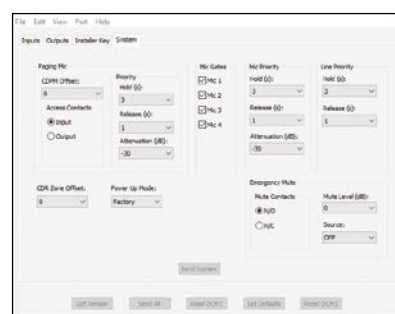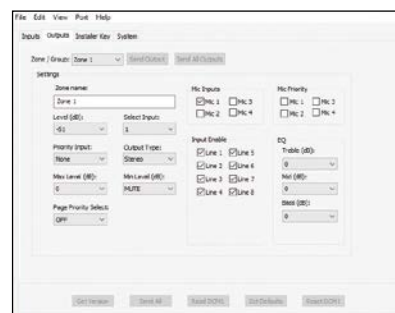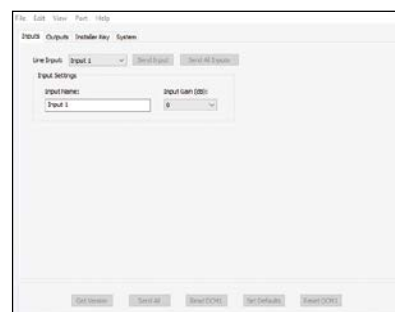
Analogue Mixers

Cloud's analogue Mixers are versatile analogue single zone / multi zone audio mixers known for performance, features, flexibility and reliability.

Z4MK4 : Four Zone Venue Mixer
6 music inputs, 2 mic inputs + digital paging interface, 4 x facility inputs, 4 output zones
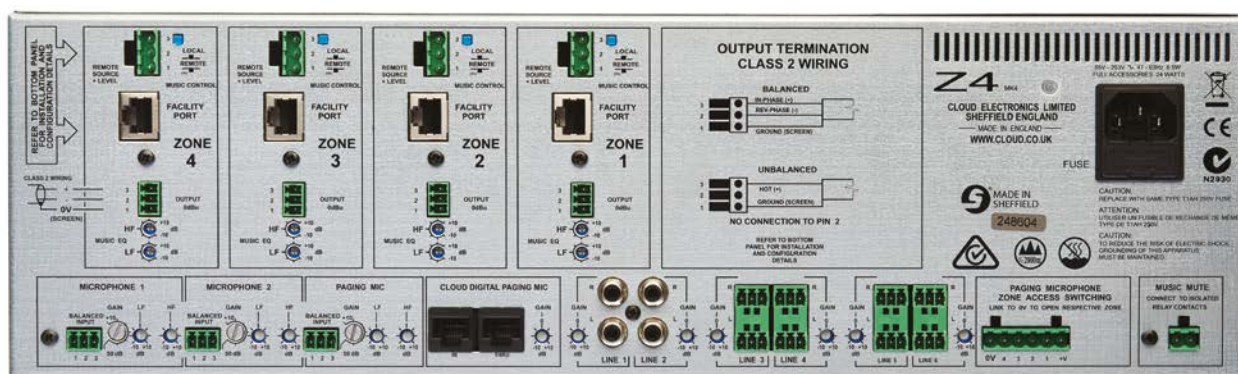
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| LM-2 UK Version | | L-1 UK Version | | M-1 UK Version | |

| LM-2A US Version | | L-1A US Version | | M-1A US Version | |

| LM-2D DE/NL Version | |

LM-2B & LM-2W, LM-2AB & LM-2AW, LM-2DB & LM-2DW
L-1B & L-1W, L-1AB & L-1AW,
M-1B & M-1W, M-1AB & M-1AW.

General Description

- Four zone mono mixer
- Digital paging interface for PM Paging Mics with IN/THRU
- Digital Switch Mode Power Supply (85 - 254v)
- Line 1-6, 2x unbalanced + 4x balanced (3.5mm Phoenix)
- Line 6 priority, can be selected on a zone by zone basis
- Facility input available on all zones
- Accepts active modules DM-1 and LM-2
- Music level and source selection with remote control RSL-6 (or RL-1 for remote level only) per zone

- 2 mic inputs with volume controls on front panel
- Input for paging mic with priority and zone selection
- Separate EQ for mic and music
- All mics have priority over music
- Optional equaliser modules for Bose®, Amina and Active Audio loudspeakers can be fitted to any output zone

Accessories
(see pages 39/41 for details)

B C E F G I J O

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Z8MK4 : Eight Zone Venue Mixer
6 music inputs, 2 mic inputs plus digital paging interface, 8 x facility inputs, 8 output zones

LM-2 UK Version

L-1 UK Version
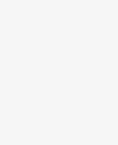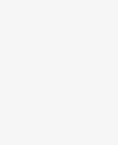
M-1 UK Version

LM-2A US Version

L-1A US Version

M-1A US Version

LM-2D DE/NL Version

LM-2B & LM-2W, LM-2AB & LM-2AW, LM-2DB & LM-2DW
L-1B & L-1W, L-1AB & L-1AW,
M-1B & M-1W, M-1AB & M-1AW.

General Description

• Eight zone venue mixer
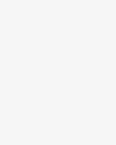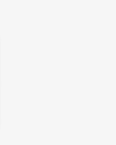• Digital paging interface for PM Paging Mics with IN/THRU
• Digital Switch Mode Power Supply (85 - 254v)
• Line 1-6, 2x unbalanced + 4x balanced (3.5mm Phoenix)
• Line 6 priority, can be selected on a zone by zone basis
• Facility input available on all zones
• Accepts active modules DM-1 and LM-2
• 2 mic inputs with volume controls on front panel

• Music level and source selection with remote control RSL-6 (or RL-1 for remote level only) per zone
• Input for paging mic with priority and zone selection
• Separate EQ for mic and music
• All mics have priority over music
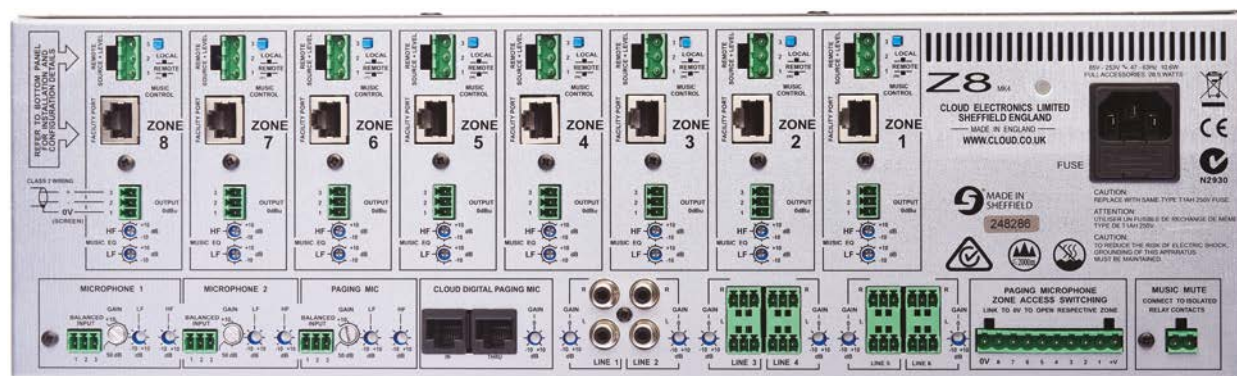• Optional equaliser modules for Bose®, Amina and Active Audio loudspeakers can be fitted to any output zone

Accessories
(see pages 39/41 for details)

B C E F G I J O

CX163 : 2 Zone Stereo Mixer with Mono Utility Output
6 stereo line inputs, 1 mic input, 2 stereo output zones, mono utility output

General Description

- Two zone stereo mixer with mono utility output
- Both stereo zones can be configured to run as mono
- Utility output is constant 0dB
- Utility music source selectable via internal jumper
- 6 stereo line inputs
- Line 6 priority over other input sources in zone 1 only
- Remote music mute
- Microphone access contacts for paging to all 3 zones

- 100Hz high pass filter on all microphone inputs
- Two band microphone EQ
- Remote level control in each zone using RL-1
- Front panel controls give microphone level, music source select and volume
- Optional equaliser modules for Bose®, Amina and Active Audio loudspeakers can be fitted to either stereo output

Accessories
(see pages 39/41 for details)

F I J

CE ℃

CX261 : MP3 Zone Mixer
6 stereo line inputs, 2 mic input, 1 stereo output zone, music on hold

General Description

- 1 stereo zone
- 6 stereo line inputs
- Line 6 priority over other input sources
- Remote music mute
- Paging microphone access
- Microphone over music priority
- Front MP3 Input socket
- Music on hold output

- Two band microphone EQ
- 100Hz high pass filter on all microphone inputs
- Two band music EQ on the rear panel
- Front panel gives Mic 1 level, Mic 2 level, music level and music source selection controls
- Digital Switch Mode Power Supply (85 - 254v)
- Optional equaliser modules for Bose®, Amina and Active Audio loudspeakers can be fitted to either stereo output

Accessories
(see pages 39/41 for details)

F G I J

CE ℃

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CX263 : 3 Zone Mixer
6 stereo line inputs, 2 mic input, 3 output zones (1 stereo 2 mono)


Without security cover

General Description

- 1 stereo zone and 2 mono zones
- 6 stereo line inputs
- Line 6 priority over other input sources
- Remote music mute
- Paging microphone access for Mic 1 only
- Microphone over music priority
- Two band microphone EQ behind front panel facia
- 100Hz high pass filter on all microphone inputs

- Two band music EQ per zone on the rear panel
- Front panel gives Mic 1 level, Mic 2 level, music level and music source selection controls
- Optional equaliser modules for Bose®, Amina and Active Audio loudspeakers can be fitted to any output zone
- Optional CDI-S200 serial interface module using RS232 to control Music & Mic Muting (not installed in above photo)

Accessories
(see pages 39/41 for details)

F G I J

CE

CRESTRON
CERTIFIED INTEGRATED PARTNER
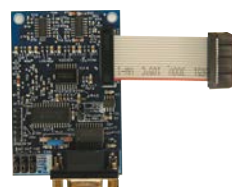
CDI-S200 Optional RS232 Module Card for CX263 Zone Mixer

The CDI-S200 is an optional module that fits inside the CX263 3Zone Stereo/Mono Mixer to allow RS-232 Serial Control of:
- Music Source and Level Control for Each Independent Zone
- Microphone 1 Paging Access
- Individual Microphone Mute & Total Music Mute
- General RS232 3rd Party Controllers such as CRESTRON™

CX462 : Audio System Controller
6 music inputs (1 stereo output), 4 mic inputs (1 mono output)

Without security cover

General Description

- Independent music and microphone sections
- 6 line inputs with preset gain controls (music section)
- Line 6 can be configured for priority (music section)
- Music level and source selection with remote control
- HF and LF equalisation (music section)
- Mic signals can be routed to music section
- Individual HF and LF controls (microphone section)
- Single parametric equaliser (microphone section)

- 150 Hz High pass filter
- Selectable priority for Mic 1
- Optional CDI-S100 serial interface module using RS232 to control Music & Mic Muting (shown above installed)
- Optional equaliser modules for Bose®, Amina and Active Audio loudspeakers can be fitted to any output zone

Accessories
(see pages 39/41 for details)

F G I J

CE

CRESTRON
CERTIFIED INTEGRATED PARTNER

CDI-S100 Optional RS232 Module Card for CX462 Zone Mixer

The CDI-S100 is an optional module that fits inside the CX462 Audio System Controller to allow RS-232 Serial Control of:
- Music Source Select
- Level Control and Muting
- Individual Microphone Muting
- Master Microphone Level and Muting
- General RS232 3rd Party Controllers such as CRESTRON™

Mixer Amplifiers

Cloud's Mixer Amplifiers are integrated, analogue audio mixer amplifier. It combines simple control of background music with versatile microphone paging and power amplification in a single unit.

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46-120 : Four Zone Integrated Mixer Amplifier

6 music inputs, 2 mic inputs (1 paging), 1 facility input plus 1 aux. output, 4 x 120W amplifiers

Shown with CDI-46 fitted

Accessories
(see pages 39/41 for details)

B E F G I J K W1

CE

General Description

• 4-Zone Mixer Amplifier
• 4 x 120W Output per zone (4 Ohm)
• Optional 120W 70V/100V Internal Transformer
• Optional Digital Paging/RS-232/Ethernet Card (CDI-46)
• 6 Stereo Line-Inputs
• 2 Microphone Inputs with priority option
• Music on Hold / Utility Output

• Remote Music Level and Source Selection via RSL-6 / RSL-6A
• Facility Input via RJ-45 for LM-2 on Zone 1
• Amplifier Link Feature
• Optional Paging Microphone with Chime Available
• Optional EQ Module for Bose®, Amina & Active Audio Loudspeakers
• Remote Music Mute Function for Fire Alarm Interface
• Remote Power Down & Hibernation Options

46-120T : Four Zone Integrated Mixer Amplifier

6 music inputs, 2 mic inputs (1 paging), 1 facility input + 1 aux. output, 4 x 120W Hi-Z amplifiers

Shown with CDI-46 fitted

Accessories
(see pages 39/41 for details)

B E F G I J KI

CE

General Description

• 4-Zone Mixer Amplifier
• 4 x 120W Output per zone (70V/100V)
• 120W 70V/100V Internal Transformers
• Optional Digital Paging/RS-232/Ethernet Card (CDI-46)
• 6 Stereo Line-Inputs
• 2 Microphone Inputs with priority option
• Music on Hold / Utility Output

• Remote Music Level and Source Selection via RSL-6 / RSL-6A
• Facility Input via RJ-45 for LM-2 on Zone 1
• Amplifier Link Feature
• Optional Paging Microphone with Chime Available
• Optional EQ Module for Bose®, Amina & Active Audio Loudspeakers
• Remote Music Mute Function for Fire Alarm Interface
• Remote Power Down & Hibernation Options

Application Diagram

CDI-46
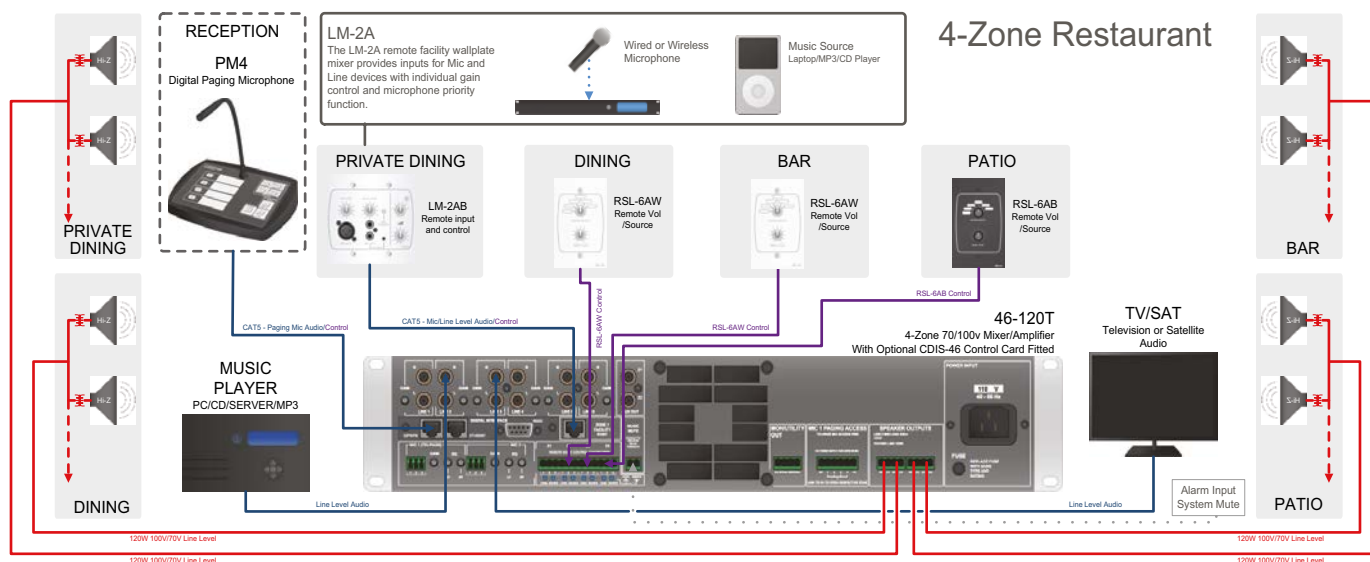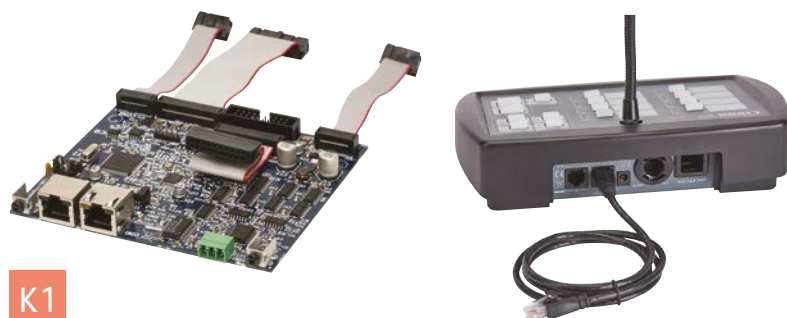
K1

Optional internally fitted card, offering Digital PM paging interface, RS232 & Ethernet Control.

"Ethernet allows for all user functional controls such as line level, source and mic routing, triggering PM-SA spot announcements via a web enabled Cloud Serial Control Protocol for bespoke applications."

Ethernet web browser options

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46-80 : Four Zone Integrated Mixer Amplifier

6 music inputs, 2 mic inputs (1 paging), 1 facility input plus 1 aux. output, 4 x 80W@4Ω amplifiers

Accessories
(see pages 39/41 for details)

B E F G W1

General Description

• Four zone mixer/amplifier
• 4 x Class D 80W amplifiers with limiters on each zone and Thermal & Short Protection
• RS232 interface for control by third-party control systems
• 2 Mic inputs, one with analogue paging
• Line 1-6, 2x unbalanced + 4x balanced (3.5mm Phoenix)
• Low impedance and 100v/70v variants.
• Digital paging interface for PM Paging Mics
• Mic 1 priority over Mic 2

• Line 6 input priority (zone 1 only or global)
• Music level and source selection with remote control RSL-6 (or RL-1: level only)
• Facility input (zone 1 only) for active modules LM-2/BT-1
• 2x Auxiliary balanced line output
• 1x Utility / Loop output with independent line mic controls and music content selection
• Routing/slaving feature to allow duplication of zones on amplifier channels
• Remote mute for Fire Alarm interface
• Installer settings behind anti-tamper panel

46-80T : Four Zone Integrated Mixer Amplifier

6 music inputs, 2 mic inputs (1 paging), 1 facility input plus 1 aux. output, 4 x 80W@70V/100V line amplifiers

Accessories
(see pages 39/41 for details)

B E F G

General Description

• Four zone mixer/amplifier
• 4 x Class D 80W@70V/100V line amplifiers with limiters on each zone and Thermal & Short Protection
• RS232 interface for control by third-party control systems
• 2 Mic inputs, one with analogue paging
• Line 1-6, 2x unbalanced + 4x balanced (3.5mm Phoenix)
• Digital paging interface for PM Paging Mics
• Mic 1 priority over Mic 2
• Line 6 input priority (zone 1 only or global)

• Music level and source selection with remote control RSL-6 (or RL-1: level only)
• Facility input (zone 1 only) for active modules LM-2/BT-1
• 2x Auxiliary balanced line output
• 1x Utility / Loop output with independent line mic controls and music content selection
• Routing/slaving feature to allow duplication of zones on amplifier channels
• Remote mute for Fire Alarm interface
• Installer settings behind anti-tamper panel

46-80/46-80T RS232 Implementation (Simplified Diagram)

A 3-PIN port is provided on 46-80 and 46-80T to allow remote control by RS-232. Implemented features are:
• Zone Music Level: Up/Down, Set to absolute level
• Zone Music Source: Up/Down, Set to absolute Source
• Global Music Mute
• Mic 1 Mute in Zone 1-4
• Mic 2 Mute in all zones
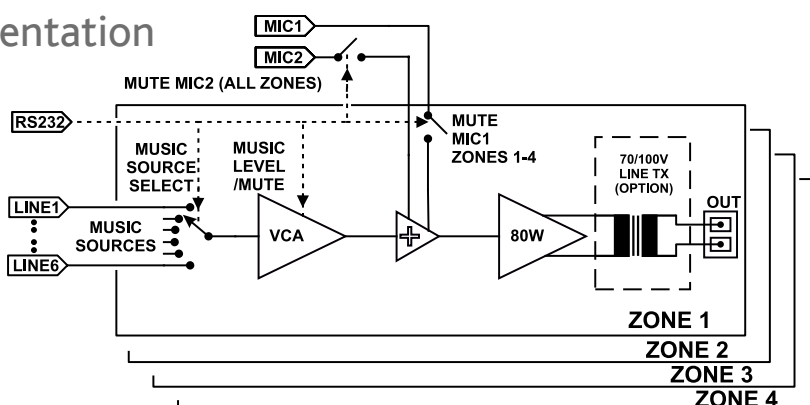
24-120 : Two Zone Mixer Amplifier
4 music inputs, 1 mic or paging mic input, 2 x 120W(70v/100v) or 2 x 120w(4Ω/8Ω)

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B E F G

General Description

- Two zone mixer/amplifier
- 2 x transformer-less Class-D 120W amplifiers with limiters on each zone plus Thermal/Short Protection
- Two zone power sharing (24-120 only)
- 4 Line inputs, 2x unbalanced/ 2x balanced
- 1 Mic input with analogue paging options
- Integrated chime triggered by access control
- 100Hz dedicated high-pass filter on Microphone input
- Phantom power selectable by internal jumper
- Music level and source selection via RSL-4 & RSL-6
- Facility input (Zone 1 or Both) for active modules LM-2/BT-1
- RS232 control interface

- Line 4 priority
- Mic over Music input priority
- Separate EQ for music and mic signals
- 2 x Auxiliary balanced line outputs
- 1 x Utility / Loop output with independent line & mic controls with music content selection
- Remote Music Mute configurable for NO or NC operation
- Selectable speaker output impedance (4Ω/8Ω/70v/100v)
- Efficient, Universal Power Supply
- Variable Speed Fan Cooling

24-240 : Two Zone Mixer Amplifier
4 music inputs, 1 mic or paging mic input, 2 x 240W(70v/100v) or 2 x 240w(4Ω/8Ω)

Accessories
(see pages 39/41 for details)

B E F G

General Description

- Two zone mixer/amplifier
- 2 x transformer-less Class-D 240W amplifiers with limiters on each zone plus Thermal/Short Protection
- 4 Line inputs, 2x unbalanced/ 2x balanced
- 1 Mic input with analogue paging options
- Integrated chime triggered by access control
- 100Hz dedicated high-pass filter on Microphone input
- Phantom power selectable by internal jumper
- Music level and source selection via RSL-4 & RSL-6
- Facility input (Zone 1 or Both) for active modules LM-2/BT-1
- RS232 control interface
- Line 4 priority

- Mic over Music input priority
- Separate EQ for music and mic signals
- 2 x Auxiliary balanced line outputs
- 1 x Utility / Loop output with independent line & mic controls with music content selection
- Remote Music Mute configurable for NO or NC operation
- Selectable speaker output impedance (4Ω/8Ω/70v/100v)
- Efficient, Universal Power Supply
- Variable Speed Fan Cooling

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MA40 : Mini Amplifier
2 music, 1 mic input, 40W @ 4Ω

Cloud — Clearly better sound

General Description

- 1 x 40W 4Ω Output (<1% THD @ Full Output)
- Line 1 over Line 2 Priority
- Microphone Input with EQ and Input Gain
- Music EQ Plus Optional EQ Card
- Microphone Output Level Control + Priority
- Music Mute
- RL-1 Remote Control Interface
- Dynamic Clip, Thermal & Short Protection
- 12-24V Power Supply
- Variants: EK, AUS, NA
- Energy Saving APD Feature

Accessories
(see pages 39/41 for details)

F FM
CE C ENERGY STAR

MA40F : Mini Amplifier
2 music, 1 mic input, 40W @ 4Ω, facility port input

General Description

- 1 x 40W 4Ω Output (<1% THD @ Full Power)
- Line 1 over Line 2 Priority
- Microphone Input and Input Gain
- Music EQ Plus Optional EQ Card
- 70 / 100V Line Input
- Paging Microphone Input Access Contacts (SW/VOX)
- Facility Port Input (For LM-2 Connection)
- Music Mute
- Dynamic Clip, Thermal & Short Protection
- 12-24V Power Supply
- Variants: EK, AUS, NA
- Energy Saving APD Feature

Accessories
(see pages 39/41 for details)

B F FM
E G GM ENERGY STAR
CE C

MA40T : Mini Amplifier
2 music, 1 mic input, 40W @ 100/70V, facility port input

General Description

- 1 x 40W 100/70/25V Output
- Line 1 over Line 2 Priority
- Microphone Input and Input Gain
- Music EQ Plus Optional EQ Card
- 70 / 100V Line Input
- Paging Microphone Access Contacts (SW/VOX)
- Facility Port Input (For LM-2 Connection)
- Music Mute
- Dynamic Clip, Thermal & Short Protection
- 12-24V Power Supply
- Variants: EK, AUS, NA
- Energy Saving APD Feature

Accessories
(see pages 39/41 for details)

B F FM
E G GM ENERGY STAR
CE C

MA40E : Mini Amplifier
2 music, 1 mic input, 2 x 20W @ 4Ω, Ethernet/RS-232, facility port input

General Description

- 2 x 20W 4Ω Output (<1% THD @ Full Power)
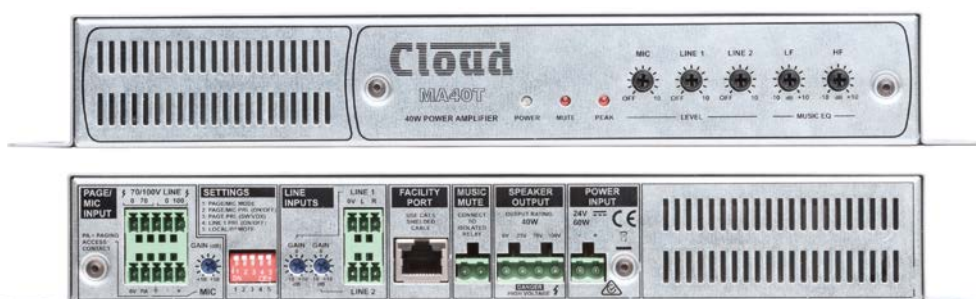- Ethernet / RS-232 Level / Source / EQ Control
- Line 1 over Line 2 Priority
- Facility Port Input (For LM-2 Connection)
- Music EQ
- Music Mute
- Dynamic Clip, Thermal & Short Protection
- 12-24V Power Supply
- Variants: EK, AUS, NA
- Energy Saving APD Feature

Web Browser Configuration and User GUI

Accessories
(see pages 39/41 for details)

B F FM
E G GM ENERGY STAR
CE C

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MA80 : Mini Amplifier
2 music, 1 mic input, 80W @ 4Ω

Cloud
Clearly better sound

General Description

- 1 x 80W 4Ω Output (<1% THD @ Full Output)
- Line 1 over Line 2 Priority
- Microphone Input with EQ and Input Gain
- Music EQ Plus Optional EQ Card
- Microphone Output Level Control + Priority
- Music Mute • RL-1 Remote Control Interface
- Auxiliary Output
- Dynamic Clip, Thermal & Short Protection
- Integrated Universal Power Supply
- Variants: EK, AUS, NA
- Energy Saving APD Feature

Accessories
(see pages 39/41 for details)

[F] [FM]
CE ENERGY STAR

MA80FT : Mini Amplifier
2 music, 1 mic input, 80W @ 4Ω or 100/70V, Facility port input
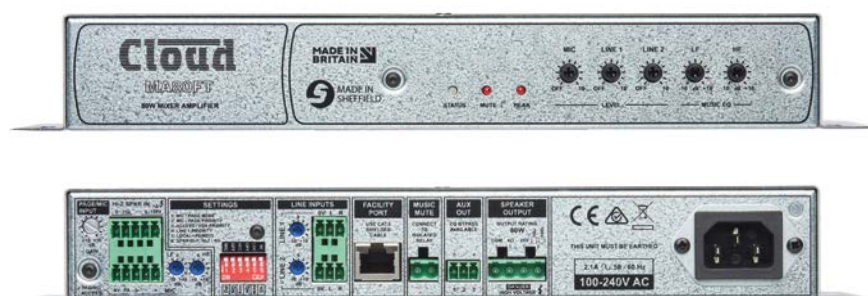
General Description

- 1 x 80W Mono 4Ω or 100/70/25V Output
- High Impedance Line Input 100/70v
- Line 1 over Line 2 Priority
- Energy Saving APD Feature
- Microphone Input with EQ (MA80 only) and Input Gain
- Music EQ Plus Optional EQ Card
- Paging Microphone Access Contacts (SW/VOX)
- Facility Port Input (For LM-2 Connection)
- Music Mute • Auxiliary Output
- Dynamic Clip, Thermal & Short Protection
- Integrated Universal Power Supply
- Variants: EK, AUS, NA
- Energy Saving APD Feature

Accessories
(see pages 39/41 for details)
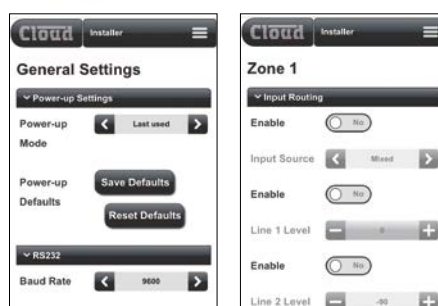
[B] [F] [FM]
[E] [G] [GM] ENERGY STAR
CE

MA80E : Mini Amplifier
2 music, 1 mic input, 80W @ 4Ω, Ethernet/RS-232, facility port input

General Description

- 1 x 80W 4Ω Output (<1% THD @ Full Output)
- Ethernet /RS-232 Level/Source/EQ Control
- Line 1 over Line 2 Priority
- Microphone Input with EQ (MA80 only) and Input Gain
- Facility Port Input (For LM-2 Connection)
- Music EQ Plus
- Music Mute
- Auxiliary Output
- Dynamic Clip, Thermal & Short Protection
- Integrated Universal Power Supply
- Variants: EK, AUS, NA
- Energy Saving APD Feature

General Settings
- Power-up Mode: Last used
- Power-up Defaults: Save Defaults / Reset Defaults
- RS232 Baud Rate: 9600

Zone 1
- Input Routing
- Enable: No
- Input Source: Mixed
- Enable: No
- Line 1 Level: 0
- Enable: No
- Line 2 Level: -90

Web Browser Configuration and User GUI

Accessories
(see pages 39/41 for details)

[B] [F] [FM]
[E] [G] [GM] ENERGY STAR
CE
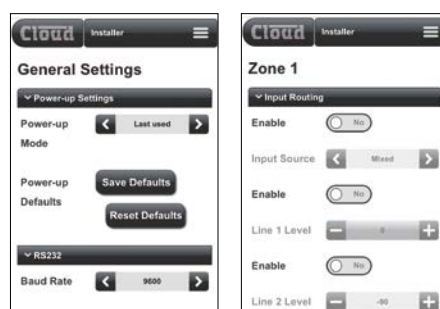
CA947034
Optional 20mm
Flexible Conduit Kit

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MA60

4 music, 1 mic input, 60W @ 4Ω
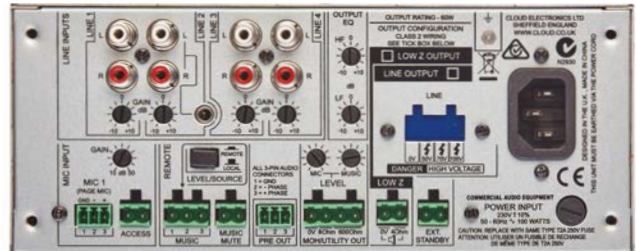
MA60T

4 music, 1 mic input, 50W @ 100V/70V/50V line output transformer
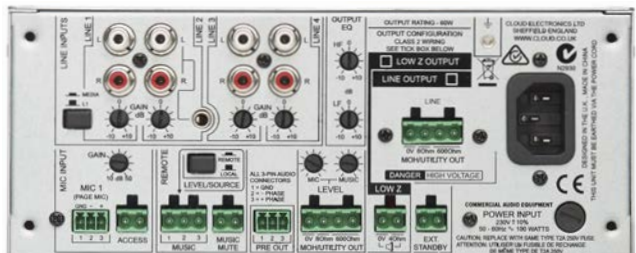
General Description

- Four-input mixer-amplifier with integral 60W mono power amplifier
- 100V/70V/50V line output transformer (option – CXL-50T)
- Gain trims on all inputs
- Electronically-balanced mic input
- Front panel control of music source/level and mic level
- 3.5mm jack input (LINE 2) for MP3 player, laptop, etc.
- Overall HF & LF EQ adjustment
- Short-to-ground access connector or VOX-triggered paging on mic input
- Selectable LINE 4 priority over other music inputs
- Optional equaliser modules for Bose®, Amina and Active Audio
- Music Mute control input (NO or NC) for interface to emergency system
- Compatible with standard Cloud remote control panels – RL-1 (music level) and RSL-4 (music level and source selection)

- Electronically-balanced pre-amp output
- Transformer-isolated auxiliary output with independent mic and music level control – for use with telephone MOH systems
- Aux output source selection (internal jumper) – fixed source or follow main output
- 19" rack mounting kit option for 1 x MA-60 (RE-L)
- 19" rack mounting kit option for 2 x MA-60 (RE-L)

Accessories
(see pages 39/41 for details)

F H I J M N W

CE

Application Diagram for MA range
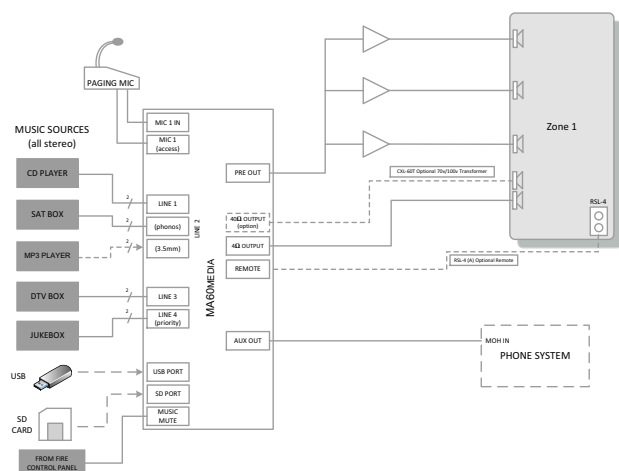
Rack Kit Option for MA range
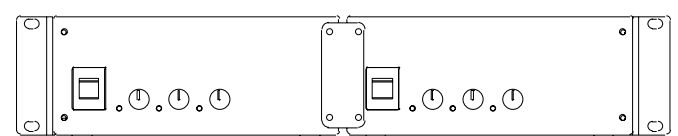
19" rack mounting kit option for 2 x MA-60 (RE-S)
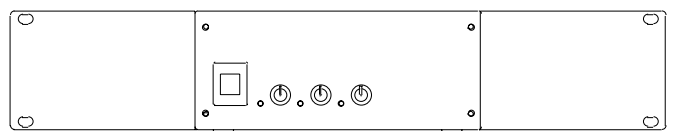
19" rack mounting kit option for 1 x MA-60 (RE-L)

MPA120MK2 : Mixer Amplifier
6 music inputs, 2 mic inputs, 120W RMS output into 4Ω/8Ω or 70/100V

MPA240MK2 : Mixer Amplifier
6 music inputs, 2 mic inputs, 240W RMS output into 4Ω/8Ω or 70/100V
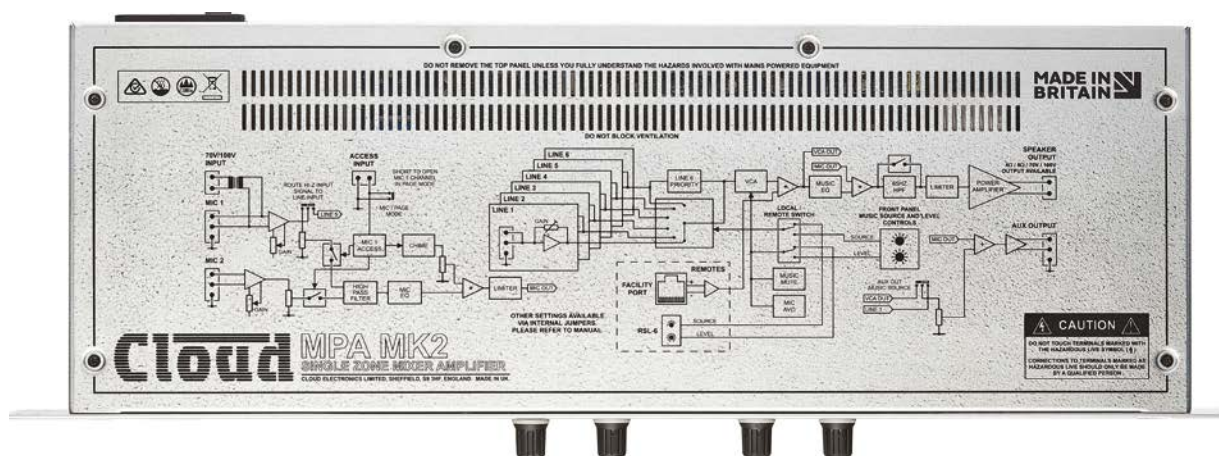
General Description

- Single zone mixer/amplifier
- 1x transformer-less Class-D amplifier
- 6 line inputs, stereo inputs summed to mono
- Balanced AUX output with selectable Music Content and Music level control
- Source select via front panel rotary selector or remotely via RSL-6
- Line input level via front panel control or remotely via RL-1 or RSL-6
- Line 6 priority selectable by internal jumper, release time 3s/6s/12s selectable by internal jumper
- Music EQ by tamperproof LF & HF presets on rear panel
- 2 Microphone inputs, low impedance balanced via phoenix style connectors
- Microphone EQ by tamperproof LF & HF presets on rear panel
- 100Hz dedicated high-pass filter on Microphone inputs
- Phantom power selectable by internal jumper

- Limiter dedicated to microphone inputs
- Both Mics have VOX priority over music signals, providing 30dB of attenuation
- Integrated chime triggered by access control of Mic 1 (Level by internal preset)
- Remote Music Mute configurable for NO or NC operation
- Overall "Peak Limiter" with LED indication on front panel
- Selectable speaker output impedance (4Ω/8Ω/70v/100v)
- Efficient, Universal Power Supply
- Convection Cooled (MPA120 MK2)
- Variable Speed Fan Cooling (MPA240 MK2)
- Facility port for connection of LM-2, L-1 or M-1 remote input modules via screened Cat 5 cable; LM-2 also allows remote control of music level and line input selection
- Facility Port supports BT-1 Bluetooth input module

Accessories
(see pages 39/41 for details)

B E F G I J

CE ℃

Amplifier features:
- 65Hz HP Filter for 70/100V
- Variable speed fan cooling
- Switch on delay
- DC protection
- IV Limiting

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Amplifiers

Cloud amplifiers are a range of multichannel audio amplifiers intended for use with high quality PA and music systems in locations where unquestionable long-term reliability is the primary consideration.

DLM-1 Mic Input Module
Mic Input Module

General Description

The DLM-1 Series is a range of remote mic/line input modules for use in a Dante-compatible network audio system.

A DLM-1 module allows a microphone and/or a stereo music (or other line level) source to be connected at a remote location. The music input is mixed with the mic signal and the resulting output appears as a mono Dante channel at a standard RJ45 Ethernet port.

The DLM-1 can be used in any Dante network, or Dante-compatible network. This includes the Cloud CA Series and CV Series of advanced multichannel power amplifiers when they are fitted with a CDI-CA or CDI-CV Dante interface card.

Features

- Remote mic/line input module, for use with all Dante-compatible networks
- AES67 compliant for interoperability with alternative (non-Dante) networks
- Easy connection to network via RJ45 and standard Cat 5 cable
- Powered via PoE – no local PSU required
- Network speed and activity LEDs (on RJ45)
- Balanced mic input (XLR) with level control
- Stereo, unbalanced line level input (phonos/RCA), with independent level control
- Alternative line input on 3-pole 3.5 mm jack socket
- Active mixing of mic and line signals
- Selectable mic-over-music priority
- Selectable hi-pass filter on mic input to reduce handling noise, etc.
- Multiple DLM-1s in the same Zone may be linked using Dante Controller

CXA450 : Multi Channel Amplifier
4 channel power amplifier, 50W per channel (100V line internal option)

General Description

- Four channel, 4 x 50W
- Optional modules for remote level control of any channel, VCA-5
- Optional equaliser modules for Bose®, Amina and Active Audio loudspeakers can be fitted to any channel
- Optional is a 4 x 40W 70V/100V internal module (CXL-4160)
- Optional external 40W 70V/100V line transformer module available (CXL-40T)
- CXL-800 is a 2U rack-mounted housing for up to 8 x CXL-40T
- Input routing operations simplify terminations when some channels share a signal
- Comprehensive protection circuitry including dynamic clip protection
- LED indicators for signal, clip and protect
- Forced cooling vari-speed DC fan

Accessories
(see pages 39/41 for details)

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General Description

The New CA Series of Digital Class-D Multi-Channel Amplifiers from Cloud Electronics, provides a range of simple and robust functions for commercial audio installers and users alike. Following Clouds industry renowned build and performance standards the new CA-Series Multi-Channel Amplifiers are designed specifically for commercial use in Retail, Leisure, Hospitality, Commercial and Industrial applications.

• Digital Class-D Multi-Channel Amplifier Series
• Energy Efficient Switch Mode Power Supply
• Dedicated Amp Modules per Channel
• 4Ω/8Ω or 70/100v Outputs per/Channel
• Power Sharing Capability
• Rear Dip-Switch Configuration of routing, high-pass filters, and 4Ω/8Ω/70/100v line level

• Auto Power Down (selectable)
• Remote Power Down option
• 2U Lightweight Chassis
• Energy Star Compliant (Application Pending)

CA2250 : 2Ch Digital, 70V/100V or 4Ω/8Ω Amplifier
2 music inputs, 2 x 250W output

Accessories
(see pages 39/41 for details)
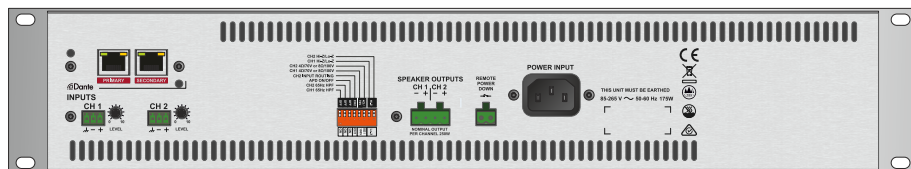
CA2500 : 2Ch Digital, 70V/100V or 4Ω/8Ω Amplifier
2 music inputs, 2 x 500W output

Accessories
(see pages 39/41 for details)
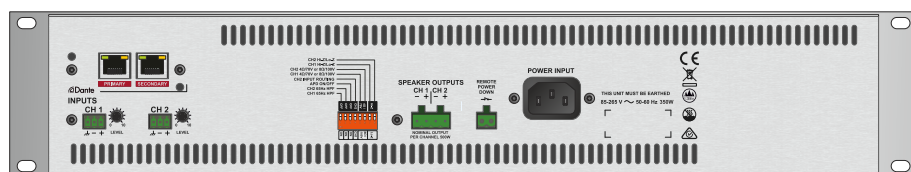
CA4250 : 4Ch Digital, 70V/100V or 4Ω/8Ω Amplifier
4 music inputs, 4 x 250W output

Accessories
(see pages 39/41 for details)
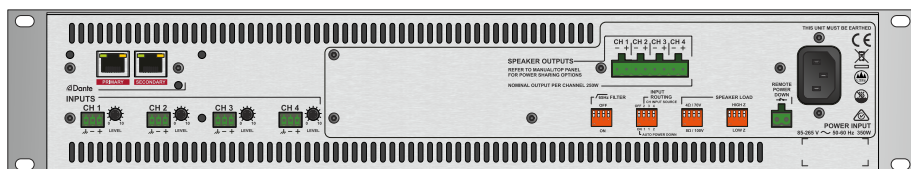
CA6160 : 6Ch Digital, 70V/100V or 4Ω/8Ω Amplifier

6 music inputs, 6 x 160W output
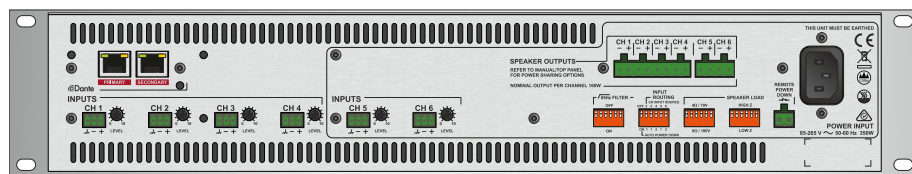
CA8125 : 8Ch Digital, 70V/100V or 4Ω/8Ω Amplifier

8 music inputs, 8 x 125W output
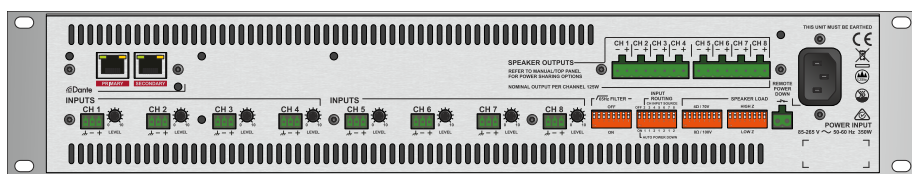
CA Option Cards: CDI-CA2, CDI-CA4, CDI-CA8

- 2, 4, and 8-channel Dante input option cards
- Support for 44.1kHz, 48kHz, 88.2kHz and 96kHz sample rates
- Dante AES67 interoperability mode
- 1Gbps Ethernet (CDI-CA8) or
  100Mbps Ethernet (CDI-CA2 / CDI-CA4)
- Dante redundancy or
  Ethernet switch modes (CDI-CA8)
- Dante Domain Manager (DDM) ready

Dante® ENABLED DEVICES

LIVE EQUIPMENT | PAGING MICROPHONES | WALL INPUTS | PC WITH DVS

Dante® Enabled Switch

PC WITH DVS

CA8125
8-Channel Amplifier 125W
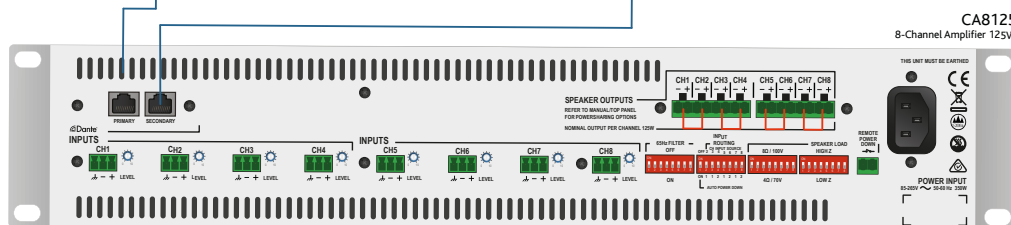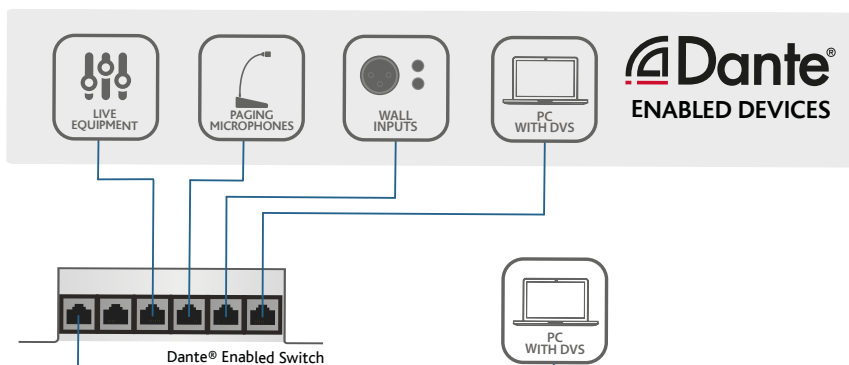
2nd Dante® Port - SWITCH Mode

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General Description

The New CV Digital Class-D Multi-Channel Amplifier Series from Cloud Electronics, provides a range of feature-rich functions for commercial audio installers and users alike. On-board configurable DSP, a host of remote / third party control options and with basic set-up options via rear panel DIP switches, the new CV-Series Multi-Channel Amplifiers are designed specifically for commercial use in Retail, Leisure, Hospitality, Commercial and Industrial applications.

- Digital Class-D Multi-Channel Amplifier Series
- Energy Efficient Switch Mode Power Supply
- Comprehensive On-Board DSP
- 1450ms assignable audio delay
- Basic / Advanced User Modes
- Load Testing / Reporting
- Power Sharing Capability
- Ethernet / RS-232 configuration and control
- SNMP status monitoring and reporting

- GPIO (General Purpose Inputs/Outputs)
- Rear Dip-Switch Configuration of routing, high-pass filters, and 70/100v line level
- Two configurable Aux Outputs capable of independent operation, or as slaves to an existing amplifier channel
- 2U Lightweight Chassis
- Remote Volume (RL-1) compatible
- 70/100v line operation
- Energy Star Compliant (Application Pending)

CV2500 : 2Ch Digital, DSP, 70V/100V Line Amplifier

2 music inputs, 2 x 500W output, + 2 aux. output

Accessories
(see pages 39/41 for details)

CV4250 : 4Ch Digital, DSP, 70V/100V Line Amplifier

4 music inputs, 4 x 250W output, + 2 aux. output

Accessories
(see pages 39/41 for details)

CV8125 : 8Ch Digital, DSP, 70V/100V Line Amplifier

8 music inputs, 8 x 125W output, + 2 aux. output

Accessories
(see pages 39/41 for details)

CV Amplifier DSP User Configuration & User GUI

On-board configurable DSP via ethernet hosted browser

Logon

Menu

Network configuration

DSP configuration

Delay setup

Channel overview

Audio Setup

Room EQ

Crossover advanced

Speaker EQ advanced
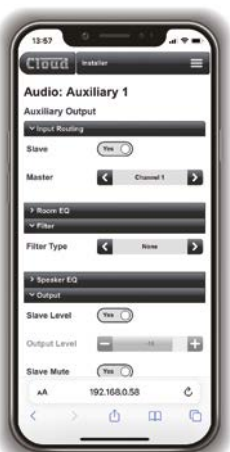
Auxiliary output 1
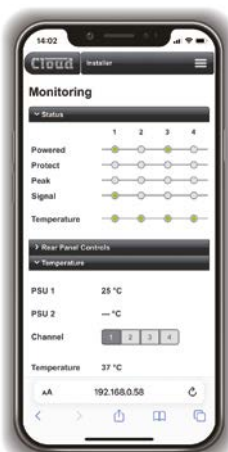
Monitoring
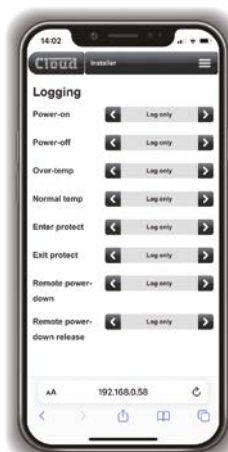
Logging setup

Event log

User configuration

CV Dante Cards: CDI-CV2, CDI-CV4, CDI-CV8

- 2, 4, and 8-channel Dante input option cards
- Support for 44.1kHz, 48kHz, 88.2kHz and 96kHz sample rates
- Dante AES67 interoperability mode
- 1Gbps Ethernet (CDI-CV8) or 100Mbps Ethernet (CDI-CV2 / CDI-CV4)
- Dante redundancy or Ethernet switch modes (CDI-CV8)
- Dante Domain Manager (DDM) ready
- Flexible channel input routing via Amplifier DSP configuration

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Cloud
Clearly better sound

Paging Microphones
and Accessories

Clouds paging microphones are designed for general purpose multi-zone applications and have a powerful range of options that make them suitable for almost any situation. They are easy to install and configure, and provide the user with an elegant and simple-to-use unit.
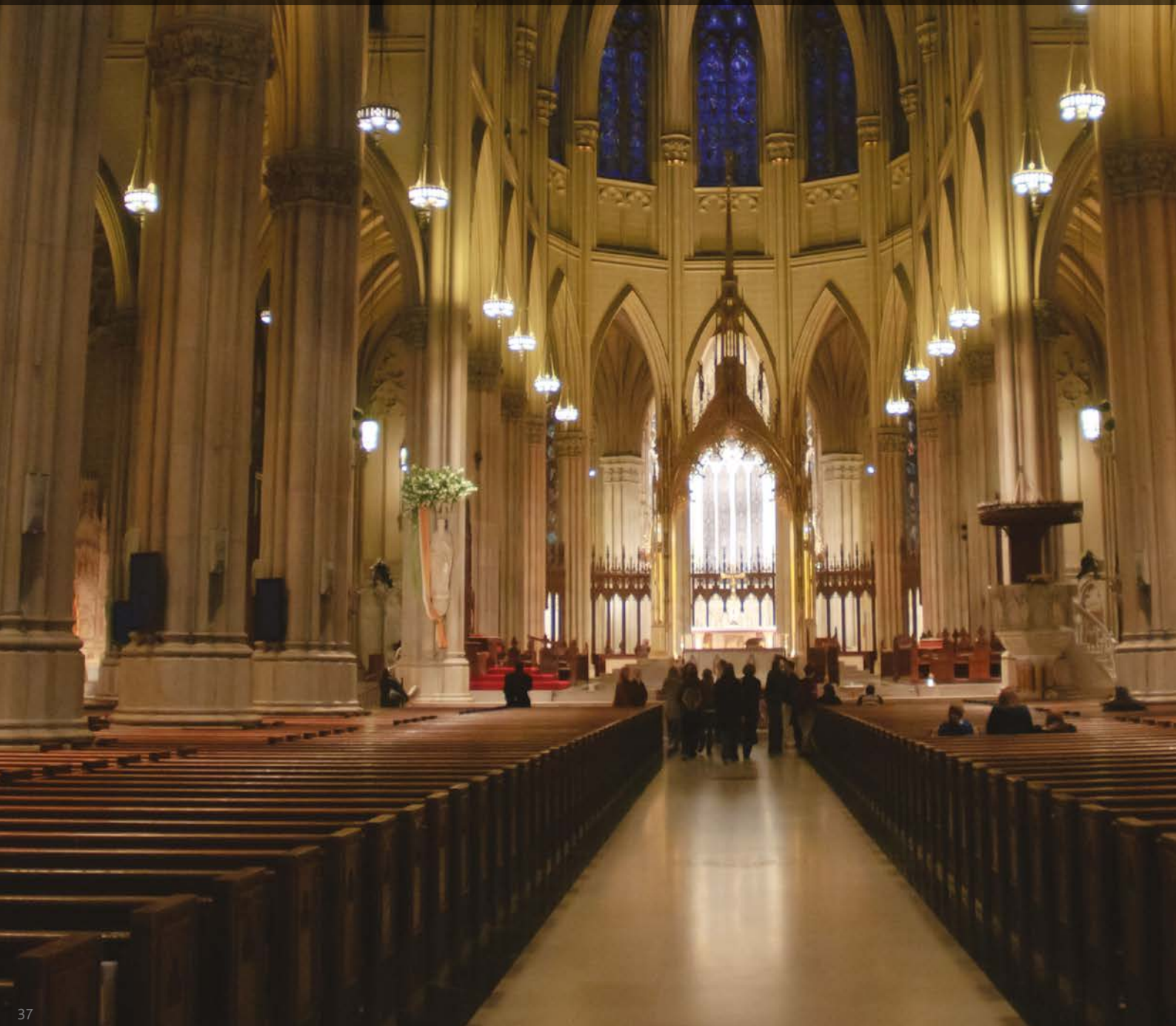
PM & PM-SA Series : Paging Microphones

The PM range of microphones can be used for paging with several Cloud Products and can be integrated with any 3rd party systems that require 'short to ground' for paging access. With four multi-zone models in the range, PM-4, 8, 12, 16 and the ability to link 32 PM's together, designers can provide large, complex and flexible multi-zone paging systems.

When designing a multi-microphone paging system any combination of mics can be used to create a system and all but the first in the system will require a local PSU.

PM Series

Features PM-1:
- PM-1 entry level, single-zone paging microphone
- High quality 300mm Dynamic Mic
- Integral PTT (PressToTalk) switch
- Internal cable connections with cable retention strap

Features PM-4, 8, 12 & 16:
- Simple CAT5, mic to mic cabling
- "Paging Group" key assignment
- Selected zone, group or "Call all" paging
- First come first served priority
- "Busy" indicator to show system in use

- Any mic can be configured with ultimate priority
- High quality cardiod capsule
- Integral compressor
- A choice of four chimes
- Internal sounder
- Factory 're-set' (by jumper)

PM-1

PM-4

PM-8

PM-12

PM-16

PM Rear

PM-SA Series

PM4-SA

Features PM4-SA, PM8-SA
- Individual and Multiple Zone Selection by Mic or Message
- Remote Message Trigger Contacts (NO/NC Contacts) for PIRs, Timer, DVR/Cameras
- User Definable .WAV & .MP3 Recordable Message - any length
- Definable Zone Groups with Group Selection

- Pre-Announcement Chine (recordable on SD Card)
- TALK & CALL ALL Buttons
- BUSY LED
- Configurable 2-Layer Announcement Priority
- Auto Zone Reset after Announcement
- Zone Disable Function

PM8-SA

Application Diagram for PM-SA Series
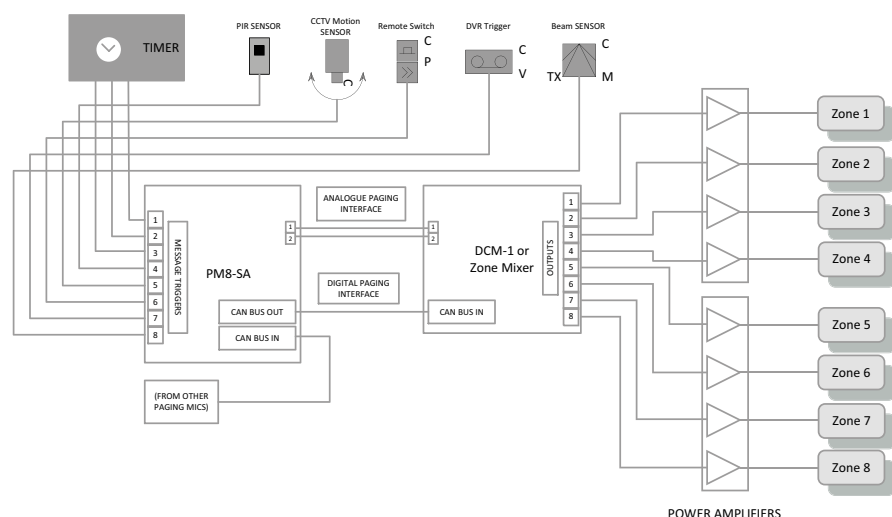
All multizone paging mics can be wall mounted with optional 140mm gooseneck mic (part No. - MI100166)

POWER AMPLIFIERS

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Accessories
## Compatible with DCM-1 & DCM-1E

Bluetooth®

BT-1EB & BT-1EW - UK Version

BT-1EAB &
BT-1EAW
US Version

BT-1EB, BT-1EW & BT-IEAW
• Remote Bluetooth Input Module
• Host units with Facility Port option
• RF power level adjustment
• Link and daisy-chain option
• UK single-gang or USA dual-gang back box

CDR-1F (170mm x 85mm)   CDR-1 (85mm x 85mm)

Rear and side views

US Version

CDR-1F & CDR-1

The CDR-1F & CDR-1 are remote control units specifically designed for use with the DCM-1. CDRs may be fitted to standard electrical back boxes in whatever location is convenient in each zone.

Any zone may have one CDR, more than one, or none at all. The DCM-1 can support up to 100 CDRs. CDRs are interconnected with just one standard CAT-5 UTP cable; units may be daisy-chained at will and/or connected individually back to the DCM-1's four CDR ports using almost any wiring topology convenient for the installation.

LE-1 & LE-1A (US Version)

The LE-1 is an input connector plate which can be installed wherever required. Versions are available to fit standard UK, US or Australian dual-gang electrical back boxes. It allows connection of a stereo unbalanced line-level audio source, such as a portable music centre, laptop, radio mic receiver or similar, and connects to one of the DCM-1's Extension Ports with a single screened CAT-5 cable.

US Version

US Version

ME-1 & ME-1A (US Version)

The ME-1 input connector plate provides two balanced microphone inputs, and is useful in multi-purpose areas where mics are sometimes needed. The ME-1 has adjustable mic level and EQ per input, and connects to one of the DCM-1's four dedicated Mic Inputs with a single screened CAT-5 cable. The ME-1's two inputs are mixed together at the plate, and the summed mic signal applied to the DCM-1.
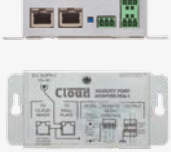
BE-1 & BE-1A (US Version)

The BE-1 is an input connector plate of similar type to the LE-1. It provides a stereo balanced line-level input, permitting professional audio equipment such as mixing consoles, DI boxes or broadcast equipment to be connected. Like the LE-1, it connects to one of the DCM-1's Extension Ports with a single screened CAT-5 cable. BE-1s may be daisy-chained in the same way as LE-1s, and the two types of plate may be intermixed.

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Bluetooth®

BT-1, DM-1, LM-2 : Active Modules

Active Modules

Several Cloud products have a facility port, which is intended to extend the capabilities of the unit by allowing the connection of a remotely located active module. The combination of products such as the Z8II/Z4II and the active modules allow designers to provide simple, cost effective solutions to many customers requirements that are difficult to achieve with other manufacturers units.

B

UK Version

US Version

C

E

LM-2 UK Version

LM-2A US Version

LM-2D DE/NL Version

L-1 UK Version

M-1 UK Version

L-1A US Version

M-1A US Version

BT-1B, BT-1W & BT-1AW;
- Remote Bluetooth Input Module
- Host units with Facility Port option
- RF power level adjustment
- Link and daisy-chain option
- UK single-gang or USA dual-gang back box

FPA-1;
- Facility Port Adapter
- Connects LM-2 and/or BT-1 input plates to any amplifier or mixer
- 12V PSU included
- RL and RSL remote connector
- Power injector for extended range

LM-2B & LM-2W, LM-2AB & LM-2AW, LM-2DB & LM-2DW, L-1B & L-1W, L-1AB & L-1AW, M-1B & M-1W, M-1AB & M-1AW;
- Inputs for balanced mic (XLR) and stereo line
- Level controls for mic and music
- Microphone over music and link extension
- Remote control of mixer's music source and level

Wall Remote Controls

F **FM**

RL-1A US Version

RL-1

RL-1x8

G **GM**

RSL-6A US Version

RSL-6

RSL-6x4

H **HM**

RSL-4

US Version

RL-1, RL-1A (US Version) & RL-1x8

Remote music level control compatible with Z4II, Z8II, CX263, CX163, 46/50, 36/50, MPA Series, CXV-225 and CXV-425.

RSL-6, RSL-6A (US Version) & RSL-6x4

Remote music source select & level control compatible with Z4II, Z8II, CX261, CX263, 46/50, 36/50, MPA Series.

RSL-4 & RSL-4A (US Version)

Remote music source select & level control compatible with MA60 and MA60 Media.

I

US Version

J

US Version

XLR-F1B & XLR-F1W, XLR-F1AB & XLR-F1AW

Female XLR connector mounted on a plate similar to RL-1, RSL-6.

XLR-M1B & XLR-M1W, XLR-M1AB & XLR-M1AW

Male XLR connector mounted on a plate similar to RL-1, RSL-6.

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General Accessories

K
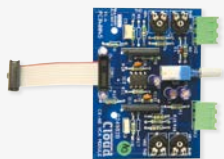
VCA-2
Two channel VCA card for remote level control of CX-A6 amplifiers. Requires 1 or 2 RL-1's.

L

VCA-5
Single channel VCA card for remote level control of CX-450, CX-A850, CXV-225, CXV-42. Requires 1 RL-1.

M

RE-S
Rack mounting housing kit designed to accept 2 x MA60 Mixer amps.

N

RE-L
Rack mounting housing kit designed to accept 1 x MA60 Mixer amp.

O

PS-UK / PS-EU / PS-NA
External power supply.

T

CXL-4160
4 x 40W 100V or 70V transformer module for internal use in 46/50 & CX-A450.

High-Impedance Transformers

R

CXL-800
Rack mounting housing designed to accept up to eight toroidal transformers.

S

CXL-1600
Rack mount housing for up to 8 x CXL-40T or 8 x CXL-100T or 4 x CXL-200T or 4 x CXL-400T toroidal transformers.

V

CXL-40T
40W 100/70 volt toroidal transformer, compatible with 46/50, 36/50, CXA450 & CXA850.

W

CXL-50T
50W 100V/70V/50V toroidal transformer, compatible with MA60 & MA60 Media.

W1
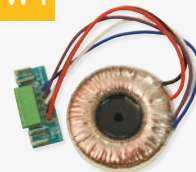
CXL-46T
Optional, internally fitted 70V/ 100V, 120W High impedance output toroidal transformer. Compatible with 46-120.

W2

CXL-80T
80W 100V/70V/50V toroidal transformer, compatible with 46-80 Mixer Amplifier.

X

CXL-100T
100W 100/70V toroidal transformer, compatible with CXA6.

Y

CXL-200T
200W 100/70V toroidal transformer, compatible with VTX4240.

Z

CXL-400T
400W 100/70V toroidal transformer, compatible with VTX4400.

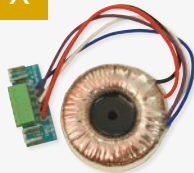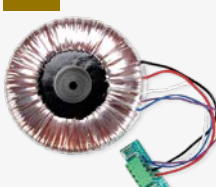| Feature	DCM-1	DCM-1e	Z4MK4	Z8MK4	CX163	CX261	CX263	CX335	24-120	24-240	46-80	46-80T	CX462	46-120	46-120T	CV2500	CV4250	CV8125	MA40	MA40F	MA40T	MA40E	MA80	MA80FT	MA80E	MA60	MA60T	MPA120MK2	MPA240MK2	CA2250	CA2500	CA4250	CA6160	CA8125
Line 6 Priority	✓	✓	✓	✓	✓	✓	✓	✗	Line 1	Line 1	✓	✓	✓	✓	✓	✗	✗	✗	Line 1	Line 1	Line 1	Line 1	Line 1	Line 1	Line 1	Line 4	Line 4	✓	✓	✗	✗	✗	✗	✗
Music Mute	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗
TEL Page/MOH	✗	✗	✗	✗	✗	✓	✗	✗	✓	✓	✓	✓	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗
RS232 Interface	✓	✓	✗	✗	✗	✗	CDIS200	✗	✓	✓	✓	✓	CDIS100	CDI-46	CDI-46	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Ethernet	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	CDI-46	CDI-46	✓	✓	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
CDR1(F)/LE1/ME1/BE1	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
LM-2 & BT-1	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗
RSL-6	✗	✗	✓	✓	✗	✓	✗	✗	✓	✓	✓	✓	✗	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗
RL-1	✗	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗
Paging Mic/PM	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Mic Inputs	4[2]	4[2]	2	2	1	2	2	✗	2	2	2	2	4	2	2	✗	✗	✗	1	1	1	✗	1	1	1	1	1	2	2	✗	✗	✗	✗	✗
Line Inputs	8	8	6	6	6	6	6	✗	4	4	6	6	6	6	6	2	4	8	2	2	2	2	2	2	2	4	4	6	6	2	2	4	6	8
Channels	✗	✗	✗	✗	✗	✗	✗	2	2	2	4	4	✗	4	4	2	4	8	1	1	1	2	1	1	1	1	1	1	1	2	2	4	6	8
Zones Mono	6	6	4	8	1	0	2	✗	2	2	4	4	1	4	4	✗	✗	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	6	8
Zones Stereo	2	2	✗	✗	2	1	1	1	✗	✗	✗	✗	1	✗	✗	✗	✗	1	✗	✗	✗	1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
External 100V Line Transformers	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	CXL-80T	✗	✗	CXL-46T	✗	N/A	N/A	N/A	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	N/A	N/A	N/A	N/A	N/A
Internal 100V Line Transformers	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	CXL-80T	✗	✗	CXL-46T	N/A	N/A	N/A	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	N/A	N/A	N/A	N/A	N/A
Optional Dante Card	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
Energy Star	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✗	✓	✓	✓	✗	✓	✓	✗	✗	✗	✗	✓	✓	✓	✗	✗
APD	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓
Wattage @100V Line	✗	✗	✗	✗	✗	✗	✗	✗	120	240	✗	80	✗	✗	120	500	250	125	✗	✗	40	✗	✗	80	✗	✗	60	120	240	250	500	250	160	125
Wattage @8 Ohm	✗	✗	✗	✗	✗	✗	✗	✗	120	240	80	✗	✗	120	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	120	240	250	500	250	160	125
Wattage @4 Ohm	✗	✗	✗	✗	✗	✗	✗	✗	120	240	80	✗	120	✗	✗	✗	✗	✗	40	40	✗	2 x 20	80	80	80	60	✗	120	240	250	500	250	160	125
Wattage @ Low Impedence	✗	✗	✗	✗	✗	✗	✗	✗	120	240	80	✗	120	✗	✗	✗	✗	2 x 20	40	40	✗	2 x 20	80	80	80	60	✗	120	240	250	500	250	160	125
Mono/Stereo	M/S	M/S	M	M	M/S	M/S	M/S	S	M	M	M	M	S	M	M	M	M	M	M	M	M	S	M	M	M	M	M	M	M	M	M	M	M	M
Mixer Amplifier	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✗	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗
Amplifier	✗	✗	✗	✗	✗	✗	✗	Limiter	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
Mixer	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

Notes :   1. Utility amplifier for fixed level output for toilets, foyer etc.   2. Microphone inputs via ME1, Active Input Plate.   3. RL-1 compatibility on MA40F/T/E requires use of Cat5 cable through Facility Port (no dedicated RL-1 Port).

Introduction

In-Ceiling & Surface Mount Speakers

Digitally Controlled Mixers

Analogue Mixers

Mixer Amplifiers

Amplifiers

Paging Microphones and Accessories

Accessories Index

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Clearly better sound

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