



COMPONENTES Y SISTEMAS DE AUDIO Y MEGAFONÍA

cofem, s.a.
2017

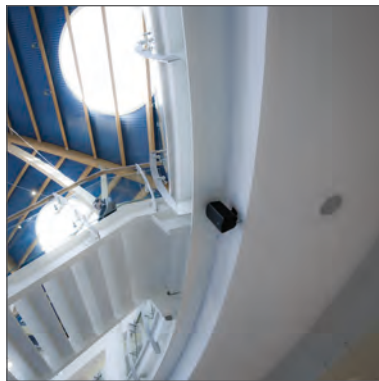


EN
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CERTIFIED
EVAC



by







Founded in 1949, RCF built its history of **sound amplification** from basic solutions for small spaces to vast and complex digital systems for theatres, shopping malls, airports, railway stations, underground metro's, exhibition centres, schools, hospitals, sports arenas, stadia, hotels. Our Product's design and manufacturing are held in the Reggio Emilia headquarters where more than 240 people are employed ensuring the high quality of RCF's products and systems.



Today RCF produces a wide and diverse range of products to satisfy any **sound and musical amplification** need. This can range from a single product to complete integrated solution. In doing so, the company can cover everything from a small project to very large and complex system. RCF controls every step of the production process, from the design to the construction and marketing of its products. Owning its own transducers technology gives RCF an enormous advantage in the development of complete speaker systems, achieving **the perfect match between transducers and electronics**, now more and more focused on **digital technology**.

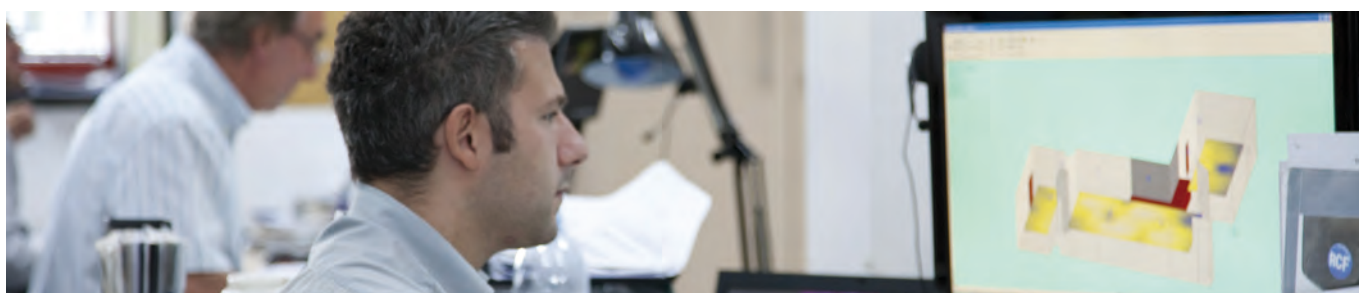




RCF has always been committed in providing complete support to its customers helping them to choose the most suitable solutions for their projects, instruct on how to install the products in the correct way and achieve the best possible performances.

This support activity **is crucial to RCF's continual success** and we keep investing in this department by expanding our engineering team of product specialists as well as the use of the latest equipments and software technologies.

The direct involvement in groups and more complex projects around the world is continually raising the know-how, experience and reputation of our team of specialists that is considered one of the best **Engineering Support Group** in our industry.

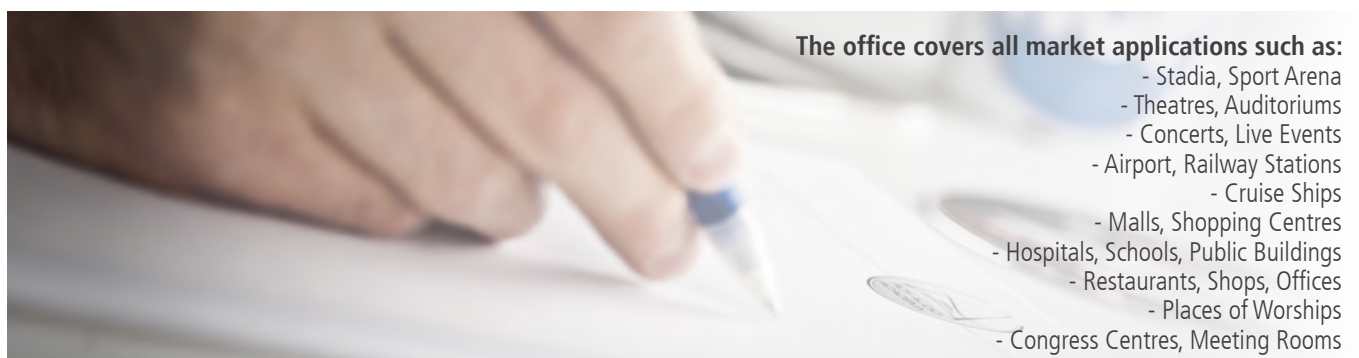


A system design must always be carried out considering the acoustics of the environment, the architectural and installation constraints, the maintenance costs and, on top of everything, the user's requirements. **The extensive and complete range of RCF products enables the Engineering Support Group to submit multiple design solutions** optimized and tailored according to costs' and performances' requirements.

ESG engineers are also involved in educational and training activities where they can exchange information and opinion with consultants and contractors participating to the RCF Audio Academy program, an extensive range of courses and workshops organized worldwide on several subjects by RCF engineers.

Engineering Support Group is able to produce:

- **Design proposal** based on supplied venue details, including environment acoustic simulation, products list, bloc diagram, speaker coverage mapping.
- **Design validation** based on design submitted by the client providing guidance on the proper selection and placement of RCF products.
- **Design of alternative solutions**, based on existing specs, providing advice and improved system configurations based upon RCF products.
- **Acoustical consultancy** for the definition of projects specifications in cooperation with architects' and contractors' offices.
- **On site** system start-up and commissioning. Furthermore RCF provides on request rack already wired completed with connection diagrams and operation manuals.
- **Educational and training activities**, included in the RCF Audio Academy world-wide program, or tailor made for the client's requirements.



The office covers all market applications such as:

- Stadia, Sport Arena
- Theatres, Auditoriums
- Concerts, Live Events
- Airport, Railway Stations
- Cruise Ships
- Malls, Shopping Centres
- Hospitals, Schools, Public Buildings
- Restaurants, Shops, Offices
- Places of Worships
- Congress Centres, Meeting Rooms

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MULTI-ZONE SYSTEMS

Paging and background music to different zones.

6



CONFERENCE SYSTEMS

Flexible, easy to use and install. Suitable for any small hall or council chambers.

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MICROPHONES AND WIRELESS MICROPHONES

Optimised in the voice frequency range to guarantee maximum speech clarity.

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CD players, Radio receivers, message players for every hi-fidelity listening need.

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For constant voltage systems or professional audio applications.

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To adjust the audio system according to specific needs.



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RACK COMPONENTS

For the optimum management of the system configurations.

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MULTI-ZONE SYSTEMS

Paging and background music to different zones.



| MODEL | CFMMS520 | CFMZM2000 |
|-----------------------------------|--|----------------------|
| MAX NUMBER OF ZONES | 5 (expandable to 10) | 6 (expandable to 54) |
| MAX. NUMBER OF PAGING MICROPHONES | 1 | 6 |
| AUDIO CHANNELS | 5 to LINE level | 2 |
| PAGING MIC. PROGRAMMING | - | YES (chime) |
| SYSTEM SETUP | YES | YES |
| SYSTEM SETUP DISPLAY | LCD | LCD |
| PAGING MICROPHONE CABLES | To be chosen according to the used paging microphone and the number of paged zones | RJ45 |
| LOUDSPEAKER CABLES | Twisted Pair | Twisted Pair |
| REMOTE CONTROLS | YES | YES |
| MUSIC ON/OFF ON EACH ZONE | YES | YES |
| DIRECT CURRENT POWER SUPPLY | - | YES |

CFMMS520

AMPLIFIER / CONTROL UNIT

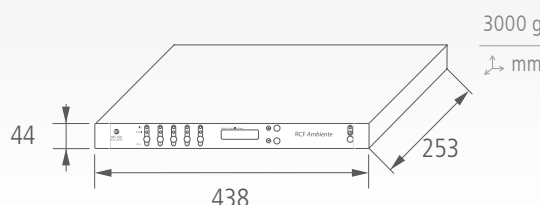


- CFMMS520 contains all functions required by a system to send different musical programmes in homes and commercial premises
- Three different musical programmes and one for paging can be sent to five mono zones or, alternatively, 3 mono zones and one stereo zone
- It is also possible link two RCF AMBIENTE and share the music sources in order to extend the number of zones to ten
- Its backlit display and function keys make it possible to access all menus to configure and adjust the system: volume, tone, loudness, output settings, 'VOX'
- The third music source input can have priority (when enabled) over the other two music sources
- Power outlet controlled by the system to switch a connected sound sources on/off
- Black label provided for front panel
- Five amplified 20 W / 4 ohm outputs, each also available as full-range or low-pass signal at line level on RCA connectors to drive external

power amplifiers (when areas to be covered are particularly large)

- A direct auxiliary input is available for each of the five zones to connect sources such as CD players, wireless microphones or mixers to be used exclusively for one zone/room
- The universal MIC-LINE input can be used for paging, with the possibility to have a tone that precedes the announcement
- The VOX function can be matched to a zone group to work without pressing keys or closing contacts (e.g. from a suitable private telephone exchange)
- For each zone, an RJ 45 connector allows the connection of remote controls (max. 3 per zone) via CAT5 cable for volume control, musical programme selection or direct input activation installable in any electrical mounting box by using the original local country supports and cover-plates

REAR VIEW



SPECIFICATIONS

OUTPUT POWER

CFMMS520

5 x 20 W RMS

FREQUENCY RESPONSE

20 ÷ 18000 Hz (± 3 dB)

T.H.D.

< 0.5% @ 1 kHz

MIN. OUTPUT LOAD (PER ZONE)

4 Ω

TONE CONTROLS

LOW: 100 Hz ± 8 dB; HIGH: 12.5 kHz ± 8 dB

SIGNAL / NOISE RATIO

> 60 dB (PAGING IN); > 78 dB (MUSIC SOURCE IN, DIRECT IN)

INPUT SENSITIVITY

(MIC) - 58 dBu ÷ - 41 dBu (1 ÷ 7 mV); (LINE) - 43 dBu ÷ -27 dBu (5.5 ÷ 35 mV); (MUSIC, DIRECT) - 16 dBu (120 mV)

PHANTOM POWER SUPPLY (PAGING INPUT)

16 V dc

POWER SUPPLY

100 ÷ 240 V ac (50 - 60 Hz)

INPUT CONNECTORS

11 x RCA (LINE), RJ 45 FOR REMOTE CONTROLS

OUTPUT CONNECTORS

7 x RCA, SCREW TERMINALS FOR LOUSPEAKERS

CFMRC62

REMOTE CONTROL
FOR CFMMS520

- CFMRC62W white
- CFMRC62G grey
- CFMRC62S silver



Designed to be simply inserted into any 503 flush / wall mounted box using original standard supports and cover-plates that can be found on the market.

It allows to select programmes and adjust the volume in the respective zone. It can turn the CFMMS520 in stand-by mode as well.

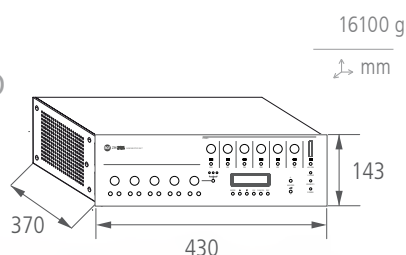
It can be linked to a CFMMS520 by using CAT5 cables and RJ 45 plugs.

Available in white (W), grey (G) and silver (S)

* The picture above shows a possible installation of the CFMRC62 remote control (box, front plate, blank keys are not included).

CFMZM2124

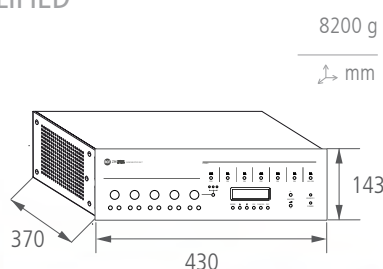
240W 6 ZONES POWERED
MASTER UNIT



- Dual-bus system architecture
- System Paging consoles input for up to 6 selective devices daisy-chained, aux input and overall emergency input on precedence primary bus
- 4 inputs of which 2 microphone and 2 universal, 3 selectable aux inputs with individual volume and tone controls with configurable priority on secondary bus
- 240W constant voltage power amplifier with VU-meter for output signal level and overload indication.
- Auxiliary external amplifier input and output terminals to manage primary and secondary buses independently
- Volume attenuators and switches with indicators to send or not the secondary bus program (i.e. music) on each of the 6 speaker line outputs
- Link to connect up to eight CFMZE2200 6six-zone expansion units so to built-up paging systems in excess of 50 zones.
- Dedicated wall mounting system remote control allows you to remote the main commands available on the master unit
- Priority indicator to show when any system priority circuit has been triggered
- Selectable chime generator is available on announcements
- GPI and GPO logic ports are available for interface purposes with third parties systems and for monitoring feedback

CFMZM2100

240W 6 ZONES PRE-AMPLIFIED
MASTER UNIT



- Dual-bus system architecture
- System Paging consoles input for up to 6 selective devices daisy-chained, aux input and overall emergency input on precedence primary bus
- 4 inputs of which 2 microphone and 2 universal, 3 selectable aux inputs with individual volume and tone controls with configurable priority on secondary bus
- Interconnection terminals for power amplifiers to manage primary and secondary buses independently, using 100V single or dual amplifier configuration or 0dB multi-amplifier configuration according to system requirements
- Switches with indicators to send or not the secondary bus program (i.e. music) on each of the 6 output zones
- Link to connect up to eight CFMZE2200 6six-zone expansion units so to built-up paging systems in excess of 50 zones.
- Priority indicator to show when any system priority circuit has been triggered
- Selectable chime generator is available on announcements
- GPI and GPO logic ports are available for interface purposes with third parties systems and for monitoring feedback.
- Dedicated wall mounting system remote control allows you to remote the main commands available on the master unit
- CFMRS232 port for FW upgrade and communication/interface purposes
- Power supply AC or DC24V, 3U 19" rack mounting

SPECIFICATIONS

| | CFMZM2124 | CFMZM2100 |
|---------------------------------------|---|--|
| INTERNAL AMPLIFIER MAX. OUTPUT POWER | 240 W | - |
| INTERNAL AMPLIFIER OUTPUT VOLTAGE | 100 – 70 V (direct), 100 V (6 zones) | - |
| FREQUENCY RESPONSE (+1 / -3 dB) | MIC: 60 Hz ÷ 15 kHz ; AUX: 50 Hz ÷ 20 kHz | |
| DISTORTION | < 1 % | |
| INPUT SENSITIVITY MIC/LINE/AUX | 1,5 mV (– 54 dBu) / 200 mV (– 12 dBu) / 200 mV (– 12 dBu) | |
| NOISE/SIGNAL RATIO INPUT MIC/LINE/AUX | > 60 dB / > 70 dB / > 75 dB | |
| INPUT IMPEDANCE MIC/LINE/AUX | 600 Ω (balanced) / 600 Ω (balanced) / 10 kΩ (unbalanced) | |
| INPUTS | 4 input mic. + 3 aux su RCA + 2 paging | |
| OUTPUTS | 6 (power) | 6 at 100 V / 0 dB depending on the configuration |
| EMERGENCY INPUT SENSITIVITY | 100 mV (unbalanced audio signal), 100 V line | |
| SIGNAL/NOISE RATIO EMERGENCY INPUT | > 70 dB | |
| EMERGENCY INPUT IMPEDANCE | 600 Ω (balanced audio signal, input 100 mV) | |
| POWER SUPPLY | 115 V / 230 V ac, 24 v dc | |
| MAX POWER CONSUMPTION | 720 W | 100 W |

CFMZE2200

6 ZONES EXPANSION UNIT



SPECIFICATIONS

FREQUENCY RESPONSE (+1 / -3 dB)

AUX INPUT SENSITIVITY

SIGNAL/NOISE RATIO INPUT AUX

IMPEDANCE INPUT AUX

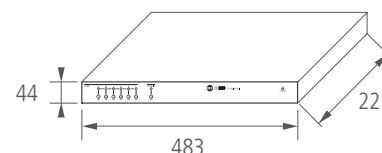
INPUTS / OUTPUTS

POWER SUPPLY

MAX CONSUMO DI POTENZA

3400 g

mm



- Direct link to CFMZM2100 or CFMZM2124 to expand the number of the system output zones till 54 by linking up to 8 devices in daisy-chain wiring topology
- 6 zone management based on CFMZM2000 dual-bus system architecture: primary and secondary buses. Interconnection terminals for power amplifiers to manage primary and secondary buses independently
- GPI and GPO logic ports are available for interface purposes with third parties systems and for monitoring feedback.

CFMZE2200

50 Hz ÷ 20 kHz

1 V (+ 2 dBu)

> 75 dB

10 kΩ (unbalanced)

6 a 100 V / 0 dB depending on the configuration

115 V / 230 V ac (50-60 Hz), 24 V

15 W

CFMBM2006

PAGING MICROPHONE



- 6 zone buttons for selective announcements
- 1 general call button.
- Up to 6 consoles can be linked to the main unit.

SPECIFICATIONS

POWER HANDLING

MAX ABSORBED POWER

MAX. OUTPUT LEVEL

FREQUENCY RESPONSE

VOICE FILTER

DIMENSIONS (L, H, P)

WEIGHT

CFMBE2012

EXTENSION MODULE



- 12 buttons for selective announcements on the zones.
- Extension for CFMBM2006 console
- Up to 4 extensions can be linked to BM2006

CFMBM2006

24 V c.c.

50 mA (CFMBM2006 only)
130 mA (with 1 CFMBE2012)
210 mA (with 2 CFMBE2012)
290 mA (with 3 CFMBE2012)
370 mA (with 4 CFMBE2012)

1 V (RMS)

100 Hz ÷ 15 kHz

high pass, cutoff frequency: 315 Hz
6 dB / octave

108 mm, 55 mm, 240 mm (CFMBM2006 only)

1 kg (only CFMBM2006)

CFMRC2946

WALL MOUNT REMOTE CONTROL



- Wall mount remote control for the main units.
- It controls the unit zones, source and volume (shown on the display).
- Input for an external audio source.
- Balanced mic input for announcements.
- Inputs are mixable and adjustable.

CFMBE2012

24 V c.c. (with CFMBM2006)

80 mA (with one single CFMBE2012)

-

-

-

108 mm, 55 mm, 240 mm

0,7 kg

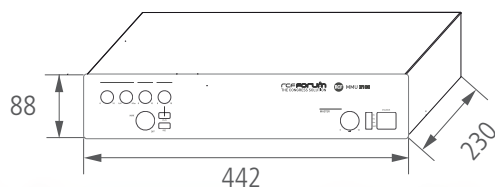
FORUM CFM3000

Flexible, easy to use and install.
Suitable for any small hall and council chambers.



CFMMMU3100

MASTER UNIT



5200 g

mm



- Input to connect up to 80 microphone sets with volume and voice EQ controls
- Additional universal input on both XLR and removable screw terminals for lectern microphone or interview microphone or other sources with volume and voice EQ controls. Input can be set as mixed or with precedence on the system microphone consoles, controlled by an external command or voice activated; Phantom power available.
- Input and outputs connections to an external recorder/player device, PLAY / REC selector switches with LED indicators. Volume control and tone EQ on PLAY-OUT
- Teleconference dedicated input and output
- Sound reinforcement and recording system output
- Built-in power amplifier to feed the consoles speakers with volume selector
- Built-in 80W power amplifier output with volume control for additional constant voltage sound reinforcement speakers
- Connection to link two CFMMMU3100 units to increase microphones sets to 160 units
- 2U 19" standard rack, mounting ears provided

SPECIFICATIONS

POWER SUPPLY

MAXIMUM POWER CONSUMPTION

DIMENSIONS (W X H X D)

WEIGHT

DESK INPUT

SENSITIVITY

IMPEDANCE

INPUT PLAY

SENSITIVITY

IMPEDANCE

MIXER OUT

MAXIMUM POWER LEVEL

IMPEDANCE

RECORDING OUTPUT

FREQUENCY RESPONSE (-3 dB)

S/N RATIO

CFMMMU3100

115-230V / 50-60 Hz

240 W

442 x 88 x 230 mm

4 Kg

-7 dBu (max. + 13 dBu)

1 Ω

-7 dBu (max. + 13 dBu)

20 Ω

+21 dBu

100 Ω

35 Hz ÷ 20 kHz

≥ 85 dBA

CFMMMS3405P

CHAIRMAN MICROPHONE SET

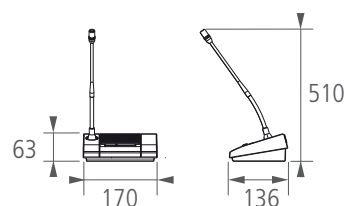


SPECIFICATIONS

| | |
|--------------------|----------------|
| MICROPHONE CAPSULE | ELECTRET |
| TYPE | HYPERCARDIOID |
| SENSITIVITY | 0.56 mV / Pa |
| FREQUENCY RESPONSE | 70 Hz ÷ 18 kHz |
| SPEAKER POWER | 1 W |
| CONNECTORS | RJ 45 |
| WEIGHT | 1 kg |

1000 g

mm



- Chairman Microphone Set CFMMMS3405P
- PRO-quality cardioid microphone with LED ring mounted on 46cm gooseneck
- Push-to-lock switch for microphone activation in mixed mode, with LED indicator
- Push-to-talk switch for microphone activation in priority mode, with LED indicator
- Hi quality transducer for sound reinforcement purpose, automatically disabled when microphone is active
- RJ 45 terminal for the connection to CFMMMU3100 master unit through CAT5 FTP cable
- Two RJ 45 connectors to daisy-chain delegate consoles branches through CAT5 FTP cable
- Robust shielded enclosure suitable for desktop or semi-flush mounting

CFMMMS3405P

CFMMMS3404D

DELEGATE MICROPHONE SET

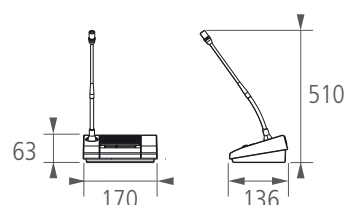


SPECIFICATIONS

| | |
|--------------------|----------------|
| MICROPHONE CAPSULE | ELECTRET |
| TYPE | HYPERCARDIOID |
| SENSITIVITY | 0.56 mV / Pa |
| FREQUENCY RESPONSE | 70 Hz ÷ 18 kHz |
| SPEAKER POWER | 1 W |
| CONNECTORS | RJ 45 |
| WEIGHT | 1 kg |

1000 g

mm



- Delegate Microphone Set CFMMMS3404D
- PRO-quality cardioid microphone with LED ring mounted on 46cm gooseneck
- Push-to-lock switch for microphone activation in mixed mode, with LED indicator
- Hi quality transducer for sound reinforcement purpose, automatically disabled when microphone is active
- RJ 45 terminals for daisy-chain link to CFMMMS3405P chairman console through CAT5 FTP cable
- Robust shielded enclosure suitable for desktop or semi-flush mounting

CFMMMS3404D

MICROPHONES AND WIRELESS MICROPHONES

Optimised in the voice frequency range
to guarantee maximum speech clarity.



| MODEL | CFMMD7600 | CFMMD7800 | CFMMD6000X |
|--|-----------------|-----------------|-------------------|
| TYPE | Dynamic | Dynamic | Dynamic |
| POLAR PATTERN | Supercardioid | Supercardioid | Cardioid |
| FREQUENCY RESPONSE | 60 ÷ 16000 Hz | 60 ÷ 20000 Hz | 300 ÷ 3000 Hz |
| SENSITIVITY (0 dB=1V/ μ bar, 1kHz) | - 75 dB | - 70 dB | - 70 dB |
| PHANTOM PWR. SUPPLY | - | - | - |
| CONNECTOR | 3 pole XLR (M) | 3 pole XLR (M) | 3 pole XLR (M) |
| ON/OFF SWITCH | Yes | Yes | Yes |
| USE | Speech, singing | Speech, singing | Speech, emergency |



| MODEL | CFMMC4064 | CFMMC5030 | CFMMC5054 |
|--|--------------------|-----------------------|-----------------------|
| TYPE | Electret | Electret | Electret |
| POLAR PATTERN | Cardioid | Cardioid | Cardioid |
| FREQUENCY RESPONSE | 50 ÷ 18.000 Hz | 80 ÷ 14000 Hz | 50 ÷ 14.000 Hz |
| SENSITIVITY (0 dB=1V/ μ bar, 1kHz) | - 58 dB | - 75 dB | - 68 dB |
| PHANTOM PWR. SUPPLY | 12 ÷ 52 V | 12 ÷ 48 V | 9 ÷ 52 V |
| CONNECTOR | XLR 3 (M) | 3 pole XLR (M) | XLR 3 (M) |
| ON/OFF SWITCH | Yes | Yes | No |
| USE | Speech, conference | Speech, announcements | Speech, announcements |



| MODEL | CFMBM3001 | CFMBM3003 | CFMBM3022 | CFMBM3014 |
|----------------------------------|-------------------|--------------------------|--------------------------|----------------|
| TYPE | Electret | Electret | Electret | Dynamic |
| POLAR PATTERN | Cardioid | Cardioid | Cardioid | Cardioid |
| FREQUENCY RESPONSE | 50 ÷ 18000 Hz | 50 ÷ 18000 Hz | 100 ÷ 12000 Hz | 100 ÷ 12000 Hz |
| SENSITIVITY (0 dB=1V/μbar, 1kHz) | - 65 dB | - 65 dB | - 82 dB | - 80 dB |
| POWER SUPPLY | 18 ÷ 48 V PHANTOM | 115 - 230 V ac / 24 V dc | 115 - 230 V ac / 24 V dc | - |
| CONNECTORS | RJ 45 | RJ 45 | RJ 45 | 3 pole XLR (M) |
| ON/OFF SWITCH | Yes | Yes | Yes | Yes |
| USE | Announcements | Announcements | Announcements | Announcements |



| MODEL | CFMMT3100 | CFMMC5200 |
|----------------------------------|--------------------|--|
| TYPE | Electret | UNI-DIRECTIONAL, BACK ELECTRET CONDENSER |
| POLAR PATTERN | Omnidirectional | Uni-directional |
| FREQUENCY RESPONSE | 50 ÷ 18000 Hz | 50 ÷ 18000 Hz |
| SENSITIVITY (0 dB=1V/μbar, 1kHz) | - 58 dB | - 58dB ± 3dB (0 dB=1V/μbar, 1kHz) |
| PHANTOM PWR. SUPPLY | 12 ÷ 52 V | 12 ÷ 48 V |
| CONNECTOR | 3 pole XLR (M) | 5 poles XLR (m) |
| ON/OFF SWITCH | - | Yes |
| USE | Speech (table top) | Speech (table top) |

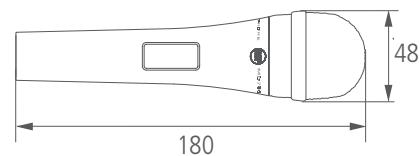
CFMMD7600

DYNAMIC MICROPHONE



290 g

EASYLINE
SOLUTIONS



- Typical use: speech, singing
- Supercardioid dynamic microphone
- Anti-pop filter
- ON/OFF switch with lock
- Minimum handling noise
- 5 metre balanced and screened cable with 3 pole XLR connectors included
- Mic. holder for stands and soft bag included

SPECIFICATIONS

| | |
|--------------------|---|
| TYPE | CFMMD7600 |
| IMPEDANCE | DYNAMIC, SUPERCARDIOID |
| SENSITIVITY | 500 $\Omega \pm 30\%$ (1 kHz) |
| FREQUENCY RESPONSE | - 75 dB ± 3 dB (0 dB=1V/ μ bar, 1kHz) |
| CONNECTORS | 60 \div 16000 Hz |
| | 3 pole XLR (m) |

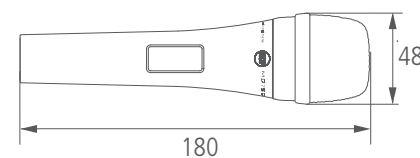
CFMMD7800

PROFESSIONAL DYNAMIC MICROPHONE



305 g

\updownarrow mm



- Typical use: speech, singing
- Professional supercardioid dynamic microphone
- Anti-pop filter
- ON/OFF switch with lock
- Minimum handling noise
- 5 metre balanced and screened cable with 3 pole XLR connectors included
- Mic. holder for stands and soft bag included

SPECIFICATIONS

| | |
|--------------------|---|
| TYPE | CFMMD7800 |
| IMPEDANCE | DYNAMIC, SUPERCARDIOID |
| SENSITIVITY | 600 $\Omega \pm 30\%$ (1 kHz) |
| FREQUENCY RESPONSE | - 70 dB ± 3 dB (0 dB=1V/ μ bar, 1kHz) |
| CONNECTORS | 60 \div 20000 Hz |
| | 3 pole XLR (m) |

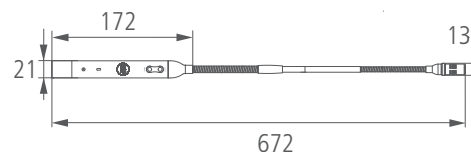
CFMMC4064

GOOSENECK MICROPHONE
(DESK-TOP / ON FLOOR STAND)



200 g

↕ mm



- Double joint gooseneck, 672 mm long
- Installation on desks (with or without hole), lecterns, mic. floor stands
- It has two switches (PUSH, LOCK), a red ring lamp that is lit when the microphone is activated, a high-pass filter with a switch to cut frequencies below 100 Hz.
- Phantom power supply (12 ÷ 52 V)
- 3 m screened and balanced cable with XLR connectors for linking to a mixer / amplifier, with 2 additional wires for command
- Polyurethane foam wind screen

SPECIFICATIONS

| SPECIFICATIONS | CFMMC4064 |
|--------------------|-------------------------------------|
| TYPE | ELECTRET, CARDIOID |
| IMPEDANCE | 600 Ω BALANCED |
| FREQUENCY RESPONSE | 50 ÷ 18000 Hz |
| SENSITIVITY | - 58 dB ± 3 dB (0 dB=1V/μbar, 1kHz) |
| CONNECTOR | 3 pole XLR (m) |

CFMACMICDK

TABLE BASE FOR
MICROPHONE MC 4064



- Standard connection 5/8
- Diameter: 160 mm
- Weight: 1 Kg

CFMMT3100

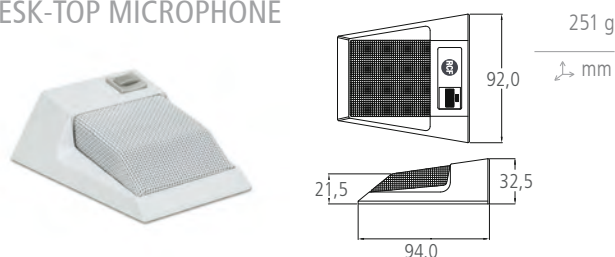
DESK-TOP MICROPHONE



- Resistant plastic body with metal mesh and base
- Red LED lit when the microphone is ON
- Electronic filter for suppressing noise caused by vibrations transmitted from the support surface
- Phantom power supply (12 ÷ 52 V dc)
- 5 m screened and balanced cable with 3 pole XLR connectors
- Dimensions: Ø120 x 27mm (h)
- Colour: RAL 7021 anthracite grey (MT 3100)
RAL 9003 white (MT 3200)

CFMMC5200

DESK-TOP MICROPHONE



- Metal body and mesh
- Red LED lit when the microphone is ON
- Toggle switch for BOOST, FLAT and LOW CUT
- Phantom power supply (12 ÷ 48 V dc)
- 5 poles XLR connector
- Dimensions: 94 x 92 x 34mm
- Colour: RAL 9003 white (MT 3200)

SPECIFICATIONS

| SPECIFICATIONS | CFMMT3100 | CFMMC5200 |
|--------------------|---|--|
| TYPE | ELECTRET, OMNIDIRECTIONAL (CFMMT3100), SEMICARDIOID (CFMMT3200) | UNI-DIRECTIONAL, BACK ELECTRET CONDENSER |
| IMPEDANCE | 600 Ω BALANCED | 3000Ω ± 30% (at 1kHz) |
| FREQUENCY RESPONSE | 50 ÷ 18000 Hz | 50 ÷ 18000 Hz |
| SENSITIVITY | - 54 dB ± 3 dB (0 dB=1V/μbar, 1kHz) | - 58dB ± 3dB (0 dB=1V/μbar, 1kHz) |
| CONNECTORS | 3 poles XLR (m) | 5 poles XLR (m) |

EASYLINE
SOLUTIONS

CFMTX2006

UHF DIVERSITY SYSTEM - HAND HELD TX



EASYLINE
SOLUTIONS

CFMPX2106

UHF DIVERSITY SYSTEM - POCKET TX



Each receiver has 2 antennas for smart switching diversity control (the higher level radio signal is automatically selected), greater reliability and coverage, reduced risks of breakdowns and interferences. 16 different frequencies / channels are available. It is possible to use up to 6 channels simultaneously (when having 6 wireless microphone kits).

Channels can be manually selected on all transmitters and receivers.

SPECIFICATION

| | |
|--|---|
| CHANNEL | CFMTX2006 - CFMPX2106 |
| TYPE | SINGLE |
| FREQUENCY BAND | (PLL) UHF, 'DIVERSITY' RECEIVER |
| FREQUENCY RESPONSE | UHF, 638 ÷ 662 MHZ |
| FREQUENCY STABILITY | 50 HZ ÷ 50 KHZ (± 3 DB) |
| MODULATION MODE | ± 0.005 % |
| DYNAMIC | FM (F3E) |
| CFMRX2006 RECEIVER | > 100 DB |
| T.H.D. | < 1 % |
| AUDIO OUTPUT | 280 MV @ ± 15 KHZ DEVIATION |
| S/N RATIO | > 90 DB |
| RF SENSITIVITY | - 100 DBM / 30 DB SINAD |
| POWER SUPPLY | THROUGH EXTERNAL 12 V DC (0.5A) ADAPTER |
| DIMENSIONS | 130 MM (W), 44 MM (H), 201 MM (D) |
| NET WEIGH | 0.37 KG |
| TRANSMITTER / HAND HELD MICROPHONE CFMTX2000 - POCKET CFMPX2100 | |
| RF OUTPUT POWER | 10 MW |
| TONE FREQUENCY | 32,768 kHz |
| CURRENT ABSORPTION | < 150 MA |
| MAX. DEVIATION | ± 35 kHz |
| PILE | 2 x TYPE 'AA' (1,5 V; NON RECHARGEABLE) |
| CFMTX2000 TYPE | DYNAMIC MICROPHONE |
| PX 2100 TYPE | 'LAVALIER' (TIE-CLIP) ELECTRET MICROPHONE |
| DIMENSIONS CFMTX2000 | (L) 220 mm |
| DIMENSIONS CFMPX2100 | 65 mm (L), 111 mm (H), 31 mm (P) |
| NET WEIGH | (CFMTX2000) 0,16 Kg - (CFMPX2100) 0,11 Kg |

CFMHE2006

'HEADSET' MICROPHONE

EASYLINE
SOLUTIONS

'Headset' type, reliable and light.

Cardioid electret capsule.

It ensures an excellent isolation from environmental noise.

Typical use: dancers, singers, djs, aerobic instructors, presenters, actors, etc.

The optimal use of the microphone requires a distance between the capsule and mouth of about 25 mm.



CFMTX4016

UHF TRUE DIVERSITY SYSTEM - HAND HELD TX



CFMPX4116

UHF TRUE DIVERSITY SYSTEM - POCKET TX



Each receiver has 2 antennas for smart switching diversity control (the higher level radio signal is automatically selected), greater reliability and coverage, reduced risks of breakdowns and interferences. The operating frequency of the transmitter can be automatically searched thanks to the receiver auto-scan function. Of course, it is possible to match the transmitter channel to the receiver one manually. 144 channels are available (12 groups, each with 12 different frequencies). It is possible to use up to 16 channels simultaneously (when having 16 wireless microphone kits).

SPECIFICATION

| | |
|---|--|
| CHANNEL | CFMTX4016 - CFMPX4116 |
| TYPE | SINGLE (OUT OF 144 FREQUENCIES) |
| FREQUENCY BAND | (PLL) UHF, 'DIVERSITY' RECEIVER |
| FREQUENCY RESPONSE | UHF, 638 MHZ ÷ 662 MHZ |
| FREQUENCY STABILITY | 50 HZ ÷ 50 KHZ (± 3 DB) |
| T.H.D. | ± 0.005 % (-10 ÷ 50°C) |
| MODULATION MODE | < 0.8% (1 KHZ) |
| DYNAMIC | FM (F3E) |
| | > 100 DB |
| CFMRX4016 RECEIVER | |
| BALANCED AUDIO OUTPUT | 1 V, ± 35 KHZ DEVIATION |
| UNBALANCED AUDIO OUTPUT | 750 MV, ± 35 KHZ DEVIATION |
| S/N RATIO | > 90 DB |
| RF SENSITIVITY | - 100 DBM / 30 DB SINAD |
| POWER SUPPLY | THROUGH EXTERNAL 15 V DC (0.5A) ADAPTER |
| DIMENSIONS | 210 MM (W), 44 MM (H), 155 MM (D); (8.2" X 1.7" X 6.1") |
| NET WEIGHT | 0.99 KG |
| TRANSMITTER / HAND HELD MICROPHONE CFMTX4000 - BODY PACK TRANSMITTER CFMPX4100 | |
| RF OUTPUT POWER | 1 - 3 - 10 mW |
| FREQUENCY RESPONSE | (TX 4000) 90 Hz ÷ 12 kHz (± 3 DB) (PX 4100) 50 Hz ÷ 15 kHz (± 3 dB) |
| CFMTX4000 TYPE | DYNAMIC, CARDIOID |
| CFMPX4100 TYPE | ELECTRET MICROPHONE |
| TONE FREQUENCY | 30-33 kHz |
| MAX. DEVIATION | ± 35 kHz |
| BATTERIES | 2 x TYPE 'AA' (1,5 V; NON RECHARGEABLE) |
| DIMENSIONS CFMTX4000 | 277 mm (L), Ø 36.5 mm |
| DIMENSIONS CFMPX4100 | 97 mm (L), 68 mm (H), 22 mm (P) |
| NET WEIGHT | (CFMTX4000) 0,25 Kg - (CFMPX4100) 0,01 Kg |

CFMHE2006

'HEADSET' MICROPHONE

'Headset' type, reliable and light.

Cardioid electret capsule.

It ensures an excellent isolation from environmental noise.

Typical use: dancers, singers, djs, aerobic instructors, presenters, actors, etc.

The optimal use of the microphone requires a distance between the capsule and mouth of about 25 mm.

EASYLINE
SOLUTIONS



CFMBM3001

PAGING MICROPHONE

CFMBM3003

3 ZONE PAGING MICROPHONE

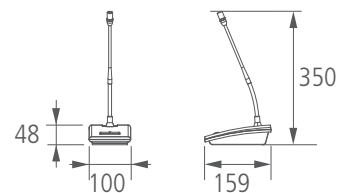


700 g

↕ mm

600 g

↕ mm



- Plastic body with 300 mm gooseneck
- Polyurethane foam wind screen
- [only CFMBM3001] It can be directly connected to CFMES3160, CFMES3323, CFMAM2080, CFMAM2160, CFMAM2320, CFMUP2081, CFMUP2161, CFMUP2321.
- CFMES3160, CFMAM2160, CFMAM2320 chime activation
- PTT button with LED
- 5 m connecting cable (with RJ 45 plugs) included

solo CFMBM3003:

- 3 zone selection push buttons with LED
- Two colours LED indicating power supply and busy status
- It can be directly connected to CFMES3323 amplifiers
- The power voltage for the first CFMBM3003 connected to the units is supplied by the CFMES3323
- Line of max.12 CFMBM3003 paging microphones can be connected to the CFMES3323 by using an additional power supply unit 24 V dc (CFMACAD2505, not included)
- CFMBM3003 works only with CFMES3323

SPECIFICATIONS

| | CFMBM3001 | CFMBM3003 |
|--------------------|---|---|
| TYPE | ELECTRET, CARDIOID | ELECTRET, CARDIOID |
| IMPEDANCE | 470 Ω BALANCED | 470 Ω BALANCED |
| FREQUENCY RESPONSE | 50 ÷ 18000 Hz | 50 ÷ 18000 Hz |
| SENSITIVITY | - 65 dB \pm 3 dB (0 dB=1V/ μ bar, 1kHz) | - 65 dB \pm 3 dB (0 dB=1V/ μ bar, 1kHz) |
| CONNECTORS | 8 pole RJ 45 | 2 x 8 pole RJ 45 |

EASYLINE
SOLUTIONS

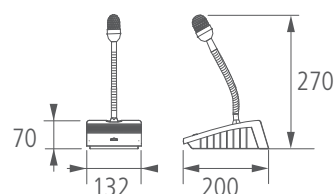
CFMBM3014

PAGING MICROPHONE



1600 g

↕ mm



- Plastic body with 320 mm gooseneck
- Push button for momentary microphone activation
- 5 m screened and balanced cable with XLR connectors for linking to a mixer / amplifier, with 2 additional wires for command

SPECIFICATIONS

| | CFMBM3014 |
|--------------------|---|
| TYPE | DYNAMIC, CARDIOID |
| IMPEDANCE | 500 Ω BALANCED |
| FREQUENCY RESPONSE | 100 ÷ 12000 Hz |
| SENSITIVITY | - 71 dB \pm 3 dB (0 dB=1V/ μ bar, 1kHz) |
| CONNECTORS | 3 pole XLR |

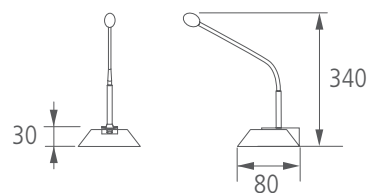
CFMMC5030

DESKTOP MICROPHONE



295 g

↕ mm



- Compact die-cast metal base with gooseneck
- Locking push button with LED for microphone activation
- Power supplied by 'Phantom' (12 ÷ 48 V dc)
- 3 m screened and balanced cable with XLR connectors for linking to a mixer / amplifier, with 2 additional wires for command
- Polyurethane foam wind screen

SPECIFICATIONS

TYPE

IMPEDANCE

FREQUENCY RESPONSE

SENSITIVITY

CONNECTORS

CFMMC5030

ELECTRET, CARDIOID

200 Ω BALANCED

80 ÷ 14000 Hz

- 75 dB \pm 3 dB (0 dB=1V/ μ bar, 1kHz)

3 pole XLR

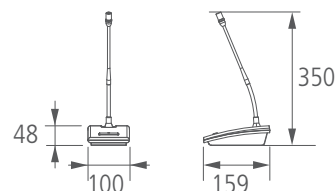
CFMBM3022

PRE-AMPLIFIED DESK TOP MICROPHONE



600 g

↕ mm



- Gooseneck microphone with hi-quality unidirectional
- Electret capsule
- Direct connection to power amplifiers input through CAT5 cable
- Adjustable line output with RJ45 connector
- Switchable automatic gain control (AGC)
- Up to 30 CFMBM3022 paging microphones can be linked in a 'daisy-chain'
- Selectable mixing, interlocking or priority mode among devices
- When activating a microphone, the announcement can be preceded by a chime.

SPECIFICATIONS

TYPE

IMPEDANCE

FREQUENCY RESPONSE

SENSITIVITY

CONNECTORS

CFMBM3002

ELECTRET

130 Ω BALANCED

200 ÷ 7000 Hz

- 65 dB \pm 3 dB (0 dB=1V/ μ bar, 1kHz)

2 x RJ 45 (IN - OUT)

CFMMC5054

FLEXIBLE UNIVERSAL
MICROPHONE



Flexible microphone, 445 mm length. Installation on microphone plug with XLR connector. Male 3 pin XLR output connector. Phantom power 9 V to 52 V.

Polyurethane anti wind foam. Electret, Cardioid.

Impedance: $200 \Omega \pm 30\%$ (at 1.000 Hz).

Frequency response: 50 ÷ 18.000 Hz.

Sensitivity: -65 dB \pm 3 dB (0 dB = 1 V/ μ bar 1.000 Hz)

Dimensions: diameter 19x540 mm.

CFMAC503FS

MC 5054 ADAPTOR FOR FLOOR
MICROPHONE STAND



Universal extended metal stand. Female 3 pins XLR microphone connector.

Installation with screws on a table, a bookstand or a microphone stand. Button for stable and unstable microphone insertion. Screw thread 5/8" x 27 mm.

1,5 m cable (with 3 pin, male XLR) for amplifier connection

Dimensions: diameter 20,5 x 199,3 mm.

CFMOT3500

TRANSFORMER FOR DISTRIBUTED SYSTEMS



Insulation transformer with removable screw terminals. Can work with 0dB signals.

CFMIT4000

INPUT TRANSFORMER 100V TO 0DB



Allows the connection of a 100V (or 70V) passive speakers line directly to the audio input (0 dBu) of an active speaker. Fixing of input and output cables on screw terminals. Metal box, colour black.

CFMMD6000X

HAND MICROPHONE



Unbalanced unidirectional handheld microphone optimised for voice reproduction. On/off pushbutton incorporated in the shockproof plastic body. Colour: black

CFMAC501DK

DESKTOP MIC BASE XLR IN/OUT



CFMAC501DK is a desktop microphone base with input and output XLR connectors.

It offers three different functional modalities: LOCK (bistable on/off button); TALK (microphone open with button pressed only); MUTE (mute active with button pressed).

CFMAC112DK

UNIVERSAL XLR
DESKTOP MICROPHONE



Die cast zinc desktop base with activation button. Female 3 pin XLR microphone connector. Male 3 pin XLR connector for output cable. Dimensions: 162x112x47 mm. Weight 1.5 Kg.

CFMAC502LC

CFMMC5054 ADAPTOR FOR
PLATFORMS



Universal table metal support. Female 3 pin XLR connector. Installable on a bookstand with or without a cable hole. Welding terminal for cable. Dimensions: diameter 45x63 mm.

CFMAR1620

RACK MOUNTING ACCESSORY



1U 19" rack kit suitable for 1 or 2 receivers (models: CFMRX1000 or CFMRX1600).

CFMA507

MIC. SUPPORT



Universal quick-release clamp holder for holding cylindrical, conical, and polyhedron shaped microphones.
Clamp opening: from 15 to 38 mm. Suitable for use with CFMTX1000 / CFMTX1600 / CFMTX516 wireless mic. on CFMACS64FL, CFMACS62FL and CFMACS50DK supports.

CFMACS50DK

DESKTOP STAND



Desk top microphone stand with die-cast base, suitable for 5/8" or 3/8" thread. Tilting telescopic rod, adjustable from 38 cm to 58 cm. Weight: 2 Kg. Height: min/max 38cm/58cm. Base dimensions 16x18cm

CFMACXLR3M3F

CONNECTORS



- 3 XLR Female connector with nickel body and silver contacts
- 3 XLR Male connector with nickel body and silver contacts

CFM22C

AUDIO CABLE



4 Pole cable, 2 shielded wire and 2 unshielded, available in 200 meters coils (code refers to 1 meter cable)

CFMA504N

MIC SUPPORT



Microphone support (5/8" thread).
Suitable for use with the CFMMD7600, CFMMD7800 microphones on CFMACS64FL, CFMACS62FL and CFMACS50DK supports.

CFMCA5XX

MIC. CABLE



5 m microphone cable with XLR connectors.

CFMACS76FL

FLOOR STAND



Floor microphone stand with folding base, suitable for 5/8" thread. Joints and legs in die-cast aluminium. Steel telescopic rod, adjustable from 96 cm to 156 cm. Tilting steel boom-arm, adjustable from 46 cm to 86 cm. Damping base with 58 cm limited opening diameter. Weight: 3.2 Kg. Length once folded: 102 cm

CFMACAD2405

24 V ADAPTOR



Power adaptor for 24 V DC paging microphones
- input 230V AC
- output 24 V DC - 500 mA

CFM2C

AUDIO CABLE



2 Pole shielded cable, available in 200 meters coils (code refers to 1 meter cable)

CFMMP300

OPERATOR/USER INTERCOM SYSTEM KIT

- CFMMP300 system allows conversations between an operator and users /clients when these are separated by a safety glass that reduces the sound transmission
- Operates in full-duplex mode, automatic or mixed-switching depending on the ambient noise in the room / hall served.
- On request, each single component can be purchased separately

| MODEL | DESCRIPTION | QUANTITY |
|----------|--|----------|
| CFMMP341 | Control unit / amplifier | 1 |
| CFMMP321 | Operator microphone console with activation keys | 1 |
| CFMMP302 | User microphone | 1 |
| CFMMP301 | Loudspeaker | 4 |



SPECIFICATIONS

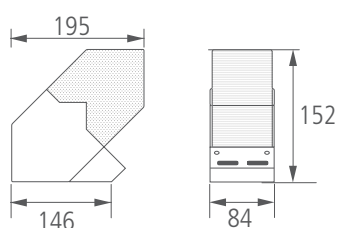
| SPECIFICATIONS | CFMMP300 |
|-------------------------------|--------------------------|
| MICROPHONES | ELECTRET, UNIDIRECTIONAL |
| AMPLIFIER POWER | 2 W (per each line) |
| ADDITIONAL LOUDSPEAKER OUTPUT | 1 W - 8 Ω |
| POWER SUPPLY (AC) | 230 / 115 V (50 / 60 Hz) |
| POWER SUPPLY (DC) | 12 V |

CFMMP321

OPERATOR MICROPHONE

800 g

↕ mm

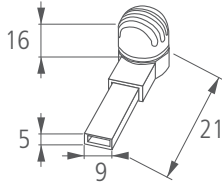


- Electret microphone with unidirectional polar pattern, housed into an anthracite grey die-cast aluminium alloy and protected by a painted stainless steel grille
- Equipped with 2 push-buttons to activate the operator-user line and the user-operator line respectively
- A LED indicates which line is activated
- It can be remote controlled (e.g. through a pedal switch)

CFMMP302

USER MICROPHONE

3.5 g
mm

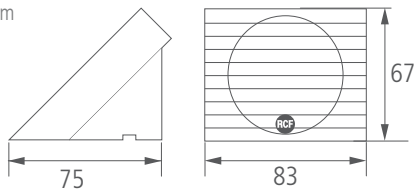


- Electret microphone having high sensitivity and an unidirectional polar pattern, suitable for clear voice reproduction even in very noisy rooms / halls
- Its compact white plastic enclosure has a very sleek contemporary design
- CFMMP302 has a slot (close to the audio cable output) for the insertion of a standard wiring duct
- It can be easily attached on safety glasses through bi-adhesive tape
- 5 m balanced and screened cable for connection to the CFMMP341 control unit / amplifier

CFMMP301

LOUDSPEAKERS

120 g
mm

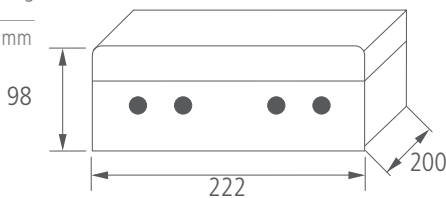


- CFMMP301 loudspeakers shall be installed near the microphones of the operator and users
- White plastic body
- 70 mm loudspeaker suitable for voice reproduction
- Loudspeakers can be fixed by using biadhesive tape (included)
- 5m loudspeaker cables for connection to the CFMMP341 control unit / amplifier

CFMMP341

CONTROL UNIT / AMPLIFIER

1400 g
mm



- It is the system main unit that manages audio signals coming from microphones.
- 4 switches inside (with LEDs) allow to select one of the 4 operating modes, according to the noise level at the operator's microphone and at the users' microphone. A switch for each line makes it possible to select either the 'direct' function (the line is always activated) or the 'switched' mode (the line is momentary activated when speaking). If both lines are set to the 'switched' mode, only one can be activated at a time. The other 2 switches enable the 'forced volume' function of each line, useful whenever it is necessary to increase (+ 10 dB) the audio level
- It is possible to adjust the listening volume of each position independently, as well as the trigger threshold level of each microphone (factory preset)
- Its plastic enclosure can be wall mounted

AUDIO SOURCES

CD players, Radio receivers, message players for every hi-fidelity listening need.



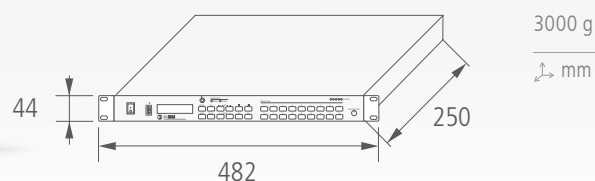
CFMRD2016

MP3 AUDIO FILES DIGITAL
RECORDER/PLAYER



- MP3 stereo player/recorder
- Supports SD cards and USB flash drives
- 32 GB Maximum supported memory
- Can play/record one file at a time
- A sequence of 64 file can be programmed
- Fixed MP3 recording format: 192 kbps
- 1 AUX INPUT with parallel AUX OUTPUT
- Disabled front buttons
- IR remote control included
- SD Card not included

REAR VIEW



SPECIFICATIONS

AUDIO OUTPUT LEVEL
DISTORTION (THD+N)
SIGNAL/NOISE RATIO
CHANNEL SEPARATION
NUMBER OF MESSAGES
MESSAGES LENGTH
POWER SUPPLY
OUTPUT CONNECTORS

CFMRD2016

+2 dBu \pm 2 dB
< 0,2 %
> 70 dB
> 60 dB
16 (7 remotely activable)
Depending on the device capability
12 V c.c., 0,5 A (100 \div 240 V c.a. 50/60 Hz, 0,2 A power supply included)
RCA (L&R)

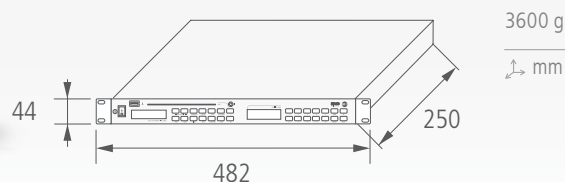
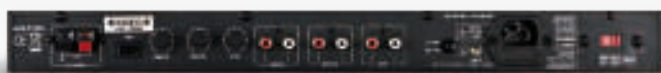
CFMMS1033

CD-USB MP3 PLAYER WITH
FM RADIO TUNER



- Double sound source with two independent sections and outputs (Tuner - CD/Mp3)
- CD player to reproduce audio tracks and MP3 files from a compact disc (CD, CD-R, CD-R/W) or from the USB drive ("Flash" memory-stick with only MP3 files)
- The USB port is available on both front and back panels to provide maximum flexibility
- The SD card port is available on front panels
- LCD backlit display gives information on the CD and MP3 files
- I/R remote control for CD and Tuner included
- FM radio tuner (87.5 - 108 MHz) with possibility to memorize your 30 favourite radio stations
- Stereo / Mono selector for applications where stereo signals are not needed
- LCD backlit display shows the frequency and stations that are in the memory

REAR VIEW



SPECIFICATIONS

| SPECIFICATIONS | CFMMS1033 |
|-----------------------|--|
| AUDIO OUTPUT LEVEL | +4 dBu \pm 2 dBu (1.2 V \pm 0.2 V) |
| FREQUENCY RESPONSE | 20 \div 20.000 Hz (CD); 100 \div 12.000 Hz (RADIO) |
| DISTORTION (THD+N) | < 0.1% (CD); < 0.8% (RADIO) |
| FREQUENCY RANGE | 87.5 \div 108 MHz (FM) |
| SIGNAL TO NOISE RATIO | > 70 dB (CD); > 60 dB (RADIO) |
| CHANNEL SPLIT | \geq 60 dB (CD); \geq 30 dB (RADIO) |
| SENSITIVITY | \leq 10 V |
| SUPPLY VOLTAGE | 220 \div 240 V / 110 \div 120 V (50 / 60 Hz) |
| OUTPUT CONNECTORS | RCA (L&R RADIO); RCA (L&R CD USB/MP3); RCA (L&R MIXED) |

AMPLIFIERS AND PREAMPLIFIERS

For constant voltage systems or professional audio applications.



| MODEL | CFMES3323II | CFMES3160II | CFMES3080 |
|-----------------------|---|---|---|
| OUTPUT RMS POWER | 320 W | 160 W | 80 W |
| OUTPUT | 4 Ω (2W max), 100 V, 70 V | 4 Ω , 100 V, 70 V | 4 Ω , 100 V, 70 V |
| FREQUENCY RESPONSE | 50 ÷ 18.000 Hz | 50 ÷ 18.000 Hz | 50 ÷ 18.000 Hz |
| DISTORTION @ 1 kHz | < 0.3% | < 0.3% | < 0.3% |
| SIGNAL TO NOISE RATIO | > 65 dB | > 65 dB | > 60 dB |
| INPUT SENSITIVITY | (MIC) -60 dBu; (AUX) -80 dBu | (MIC) -60 dBu; (AUX) -80 dBu | (MIC) -62 dBu; (AUX) -18 ÷ +20 dBu |
| INPUT IMPEDANCE | (MIC) 10 K Ω ; (AUX) 20 K Ω | (MIC) 10 K Ω ; (AUX) 20 K Ω | (MIC) 10 K Ω ; (AUX) 20 K Ω |
| INPUT CONNECTORS | 1 x XLR, 2 x RJ45, 4 Term., 1 RCA | 1 x XLR, 2 x RJ45, 4 Term., 1 RCA | 1 x XLR, 1 x RJ45, 2 Term, 1 RCA |
| OUTPUT CONNECTORS | 4 x RCA, Screw terminal | 4 x RCA, Screw terminal | 2 x RCA (mono) |



| MODEL | CFMAM2160 - CFMAM2320 | CFMAM2080 | CFMUP1121 |
|-----------------------|---|---|--|
| OUTPUT RMS POWER | 160 W / 320 W | 80 W | 120 W |
| OUTPUT | 4 Ω , 100 V, 70 V | 4 Ω , 100 V, 70 V | 4 Ω , 100 V, 70 V |
| FREQUENCY RESPONSE | 50 ÷ 18.000 Hz | 50 ÷ 18.000 Hz | 60 ÷ 15.000 Hz |
| DISTORTION @ 1 kHz | < 0.3% | < 0.3% | < 1.5% |
| SIGNAL TO NOISE RATIO | > 60 dB | > 60 dB | > 80 dB |
| INPUT SENSITIVITY | (MIC) -58 dBu; (LINE) 0 dBu | (MIC) -62 dBu; (LINE) 0 dBu | (LINE) 2 dBu |
| INPUT IMPEDANCE | (MIC) 10 K Ω ; (AUX) 20 K Ω | (MIC) 10 K Ω ; (AUX) 20 K Ω | (MIC) 10 K Ω |
| INPUT CONNECTORS | 1 x XLR, 2 x RJ45, 4 Term., 4 RCA | 1 x XLR, 2 x RJ45, 4 Term. | Balanced 'line' level AUDIO INPUT (terminal strip) |
| OUTPUT CONNECTORS | 4 x RCA, Screw terminal | 4 x RCA, Screw terminal | Screw terminal |



| MODEL | CFMUP2081 / CFMUP2161 / CFMUP2321 | CFMUP2082 / CFMUP2162 | CFMAM1125 / CFMAM1064 |
|-----------------------|---|---|---|
| OUTPUT RMS POWER | 80W / 160 W / 320 W | 2 x 80W / 2 x 160 W | 120 W / 60 W |
| OUTPUT | 4 Ω , 100 V, 70 V | 4 Ω , 100 V, 70 V | 4 Ω , 100 V, 70 V |
| FREQUENCY RESPONSE | 50 ÷ 18.000 Hz | 50 ÷ 18.000 Hz | 50 ÷ 15.000 Hz |
| DISTORTION @ 1 kHz | < 0.3% | < 0.3% | < 1.5% |
| SIGNAL TO NOISE RATIO | > 80 dB | > 80 dB | > 85 dB |
| INPUT SENSITIVITY | (MIC) -58 dBu; (LINE) 0 dBu | (MIC) -58 dBu; (LINE) 0 dBu | (MIC) -54 dBu; (LINE) -12 dBu |
| INPUT IMPEDANCE | (MIC) 10 K Ω ; (AUX) 20 K Ω | (MIC) 10 K Ω ; (AUX) 20 K Ω | (MIC) 600 Ω ; (AUX) 10 K Ω |
| INPUT CONNECTORS | 1 x XLR, 1 x RJ45, 1 Screw terminal | 1 Screw terminal | MIC/LINE with XLR connector, 'Phantom' power supply, priority by contact or 'VOX' |
| OUTPUT CONNECTORS | 1 x RCA, Screw terminal | 1 x RCA, Screw terminal | Screw terminal |



| MODEL | CFMUP8501 | CFMUP8502 | CFMUP8504 |
|-----------------------|--------------------------|--------------------------|--------------------------|
| OUTPUT RMS POWER | 1 X 500 W | 2 X 250 W | 4 X 125 W |
| OUTPUT | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V |
| FREQUENCY RESPONSE | 20 HZ ÷ 20 KHZ | 20 HZ ÷ 20 KHZ | 20 HZ ÷ 20 KHZ |
| DISTORTION @ 1 kHz | < 0.3% | < 0.3% | < 0.3% |
| SIGNAL TO NOISE RATIO | > 86 dB | > 86 dB | > 86 |
| INPUT SENSITIVITY | 0 DBU (775 MV, MAX. 7 V) | 0 DBU (775 MV, MAX. 7 V) | 0 DBU (775 MV, MAX. 7 V) |
| INPUT IMPEDANCE | 10 K Ω | 10 K Ω | 10 K Ω |
| INPUT CONNECTORS | Screw terminal | Screw terminal | Screw terminal |
| OUTPUT CONNECTORS | Screw terminal | Screw terminal | Screw terminal |

CFMES3323II

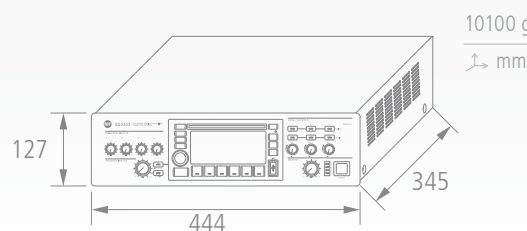
320 W, 3-ZONE MIXER AMPLIFIER,
CD/USB/BLUETOOTH MP3 PLAYER



REAR VIEW



- CD-USB/MP3 Player / FM tuner / Mixer Amplifier
- Bluetooth connection with external devices
- IR Remote control for CD - USB/MP3 player & tuner functions
- Full digital technology amplifier 320 W RMS, 100V-70V
- Low impedance (min. 4 Ω) 2 W output for a monitor loudspeaker is available
- 4 universal inputs with phantom facility, Presence Control and per-channel High-Pass filters
- RJ45 connectors on input 2 and 3 for connection to CFMBM3001 and CFMBM3003 microphone
- Screw terminal connections, additional XLR and RJ45 input connections available
- Configurable Priority settings, VOX facility on input 1
- Selectable aux input for music source with volume and tone controls
- USB port on front panel allows reproduction of MP3 files from a memory stick
- Music On Hold and PRE outputs
- The 3 PAGING buttons to select zones to be paged by either the channel 1 or 4
- GENERAL call button is available
- The 3 MUSIC buttons turn the music on in the respective zones
- Digital Chime and Siren built-in generator, activation through dry contact
- Status / Priority / Audio Level LED indications
- Link to a external amplifier (i.e. CFMUP2321) to keep the music in the zones that are not paged



SPECIFICATIONS

| | |
|-----------------------|--|
| OUTPUT POWER | 320 W |
| FREQUENCY RESPONSE | 50 - 18.000 Hz (± 3 dB) |
| DISTORTION (THD+N) | < 0,3% @ 1 kHz |
| SPEAKER OUTPUTS | 100 V, 70 V, 4 Ω (MONITOR MAX 2 W) |
| AUXILIARY OUTPUTS | 600 Ω , -1 dBu (690 mV) |
| SIGNAL TO NOISE RATIO | > 65 dB (INPUTS 1-4); > 75 dB (AUX IN); > 85 dB (MAIN IN) |
| INPUT SENSITIVITY | (MIC) -58 dBu (1 mV); (MIC PHANTOM) -28 dBu (30 mV); (AUX) -11 \div +10 dBu (0.2 \div 2.5 V) |
| INPUT IMPEDANCE | (MIC) 10 K Ω ; (AUX) 20 K Ω (MIC) 10 k Ω ; (MIC PHANTOM) 6.5 k Ω ; (LINE): 10 k Ω ; (AUX): 20 k Ω |
| SUPPLY VOLTAGE | 220 \div 240 V / 110 \div 120 V (50 / 60 Hz) INTERNAL SETTING |
| POWER CONSUMPTION | 600 W |
| INPUT CONNECTORS | 1 x XLR, 2 x RJ 45, 4 x TERMINAL, 2 x RCA stereo |
| OUTPUT CONNECTORS | 4 x RCA (MUSIC ON HOLD, PRE-OUT, INTERNAL PROGRAM), SCREW TERMINALS FOR CONSTANT VOLTAGE LINES |

CFMES3323

CFMBM3003

3 ZONE PAGING MICROPHONE

The paging microphone allows to make selective calls to 3 zones and is the ideal complement of the CFMES3323 mixer amplifier (through CAT 5 cable and RJ 45 connector)



CFMAR3000

RACK SUPPORT

Rack mounting support, 3U.

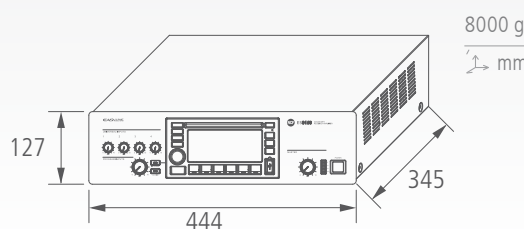
CFMES3160II

160W AMPLIFIER,
CD-USB-BLUETOOTH/MP3



- Mixer amplifier, CD-USB/MP3 player – FM tuner
- Bluetooth connection with external devices
- IR remote control for CD - USB/MP3 player and tuner functions
- Full digital technology 160 W RMS amplifier, 70 – 100 V / 4 Ω outputs
- 4 universal inputs for removable screw-terminals and with phantom power supply, high-pass filters facility and a common presence control
- RJ45 ports on inputs 2 and 3 for connections of CFMBM3001 paging microphones
- Configurable priority settings, VOX facility on input 1
- Aux input with volume and tone controls for an external music source
- USB port on front panel allows reproduction of MP3 files from a flash-drive
- Music On Hold and PRE outputs
- Chime and siren internal generator, activation through dry contacts
- Status / Priority / Audio Level LED indications

REAR VIEW



SPECIFICATIONS

| SPECIFICATIONS | CFMES3160 |
|-----------------------|--|
| OUTPUT POWER | 160 W |
| FREQUENCY RESPONSE | 50 ÷ 18.000 Hz (\pm 3 dB) |
| DISTORTION (THD+N) | < 0.3% @ 1 kHz |
| SPEAKER OUTPUTS | 100 V, 70 V, 4 Ω |
| AUXILIARY OUTPUTS | 600 Ω , -1 dBu (690 mV) |
| SIGNAL TO NOISE RATIO | > 65 dB (INPUT 1-4); > 75 dB (AUX IN); > 85 dB (MAIN IN) |
| INPUT SENSITIVITY | (MIC) -58 dBu (1 mV); (MIC PHANTOM) -28 dBu (30 mV); (AUX) -11 ÷ +10 dBu (0.2 ÷ 2.5 V) |
| INPUT IMPEDANCE | (MIC) 10 K Ω ; (AUX) 20 K Ω (MIC) 10 k Ω ; (MIC PHANTOM) 6.5 k Ω ; (LINE): 10 k Ω ; (AUX): 20 k Ω |
| SUPPLY VOLTAGE | 220 ÷ 240 V / 110 ÷ 120 V (50 / 60 Hz) INTERNAL SETTING |
| POWER CONSUMPTION | 350 W |
| INPUT CONNECTORS | 1 x XLR, 2 x RJ 45, 4 x TERMINAL, 2 x RCA stereo |
| OUTPUT CONNECTORS | 4 x RCA (MUSIC ON HOLD, PRE-OUT, INTERNAL PROGRAM), SCREW TERMINALS FOR CONSTANT VOLTAGE LINES |

CFMBM3001

MICROPHONE CONSOLE

EASYLINE
SOLUTIONS

Dedicated microphone console with Cat5 connection cable and RJ45 connector.

CFMAR3000

RACK SUPPORT

Rack mounting support, 3U.

CFMES3080

AUDIO SOURCE



SPECIFICATIONS

| | |
|-----------------------|--|
| OUTPUT POWER | 80 W |
| FREQUENCY RESPONSE | 50 - 18.000 Hz (± 3 dB) |
| DISTORTION (THD+N) | < 0,3% @ 1 kHz |
| SPEAKER OUTPUTS | 100 V, 70 V, 4 Ω |
| SIGNAL TO NOISE RATIO | > 60 dB (INPUTS 1-2); > 80 dB (AUX IN) |
| INPUT SENSITIVITY | (MIC) -62 dBu (1 mV); (MIC PHANTOM) -28 dBu (30 mV); (AUX) -18 ÷ +20 dBu (0.1 ÷ 7 V) |
| INPUT IMPEDANCE | (MIC) 10 k Ω ; (MIC PHANTOM) 10 k Ω ; (AUX) 20 k Ω |
| SUPPLY VOLTAGE | 220 ÷ 240 V / 110 ÷ 120 V (50 / 60 Hz) INTERNAL SETTING / 80 W |
| INPUT CONNECTORS | 1 x XLR, 1 x RJ 45 FOR CFMBM3001, 2 x TERMINAL, 1 x RCA |

- Audio source with 80W power amplifier.
- MP3 player controlled from the front panel.
- MP3 inputs: USB flash, SD card, AUX jack 3.5mm.
- Bluetooth connection with external devices
- 2 universal inputs on removable screw-terminals and 1 AUX input.
- Configurable priority settings, VOX facility on input 1
- Auxiliary output MUSIC ON HOLD to send the audio signal to external amplifiers or telephone switchboards.
- PRE OUT connector for additional power amplifiers.
- HI-PASS control (inputs 1 and 2)
- Auxiliary input on RCA connector and front panel are equipped with independent tone controls (bass and treble) and gain.
- Status LEDs on the front panel (ON, PROT) giving a complete feedback on amplifier and power supply status.
- LEDs on the front panel (PRIOR) indicating the priority circuit activity and the audio signal level (SIG/PK).
- Integrated alert sound generator configurable as single or double tone.
- Rack mount kit for 2 units amplifiers included

CFMES3080

CFMAM2080

INTEGRATED AMPLIFIER



SPECIFICATIONS

| | |
|-----------------------|--|
| OUTPUT POWER | 80 W |
| FREQUENCY RESPONSE | 50 - 18.000 Hz (± 3 dB) |
| DISTORTION (THD+N) | < 0,3% @ 1 kHz |
| SPEAKER OUTPUTS | 100 V, 70 V, 4 Ω |
| SIGNAL TO NOISE RATIO | > 60 dB (INPUTS 1-2); > 80 dB (AUX IN) |
| INPUT SENSITIVITY | (MIC) -62 dBu (1 mV); (MIC PHANTOM) -28 dBu (30 mV); (AUX) -18 ÷ +20 dBu (0.1 ÷ 7 V) |
| INPUT IMPEDANCE | (MIC) 10 k Ω ; (MIC PHANTOM) 10 k Ω ; (AUX) 20 k Ω |
| SUPPLY VOLTAGE | 220 ÷ 240 V / 110 ÷ 120 V (50 / 60 Hz) INTERNAL SETTING |
| INPUT CONNECTORS | 1 x XLR, 1 x RJ 45, 2 x TERMINAL, 2 x DOUBLE RCA (AUX) |

- 80 W mixer-amplifier, with 2 mic-line audio inputs on removable connectors and 2 aux inputs for music sources
- Input 1 also has an XLR XLR socket
- The input 1 has a signal detection circuit ('VOX') providing automatic priority operation
- Inputs 1 and 2 can access the priority through an external command
- The inputs 2 also has an RJ 45 port for quick connection of an CFMBM3001 paging microphone (through CAT5 cable)
- The 2 mic-line inputs have a high-pass filter that are useful to improve speech intelligibility
- 2 Aux inputs with tone controls, selectable on the front panel
- A 'MUSIC ON HOLD' aux output allows to send the music to additional amplifiers, mixers, phone systems
- A 'PRE OUT' aux output to send the signal to additional amplifiers
- Digital Chime built-in generator
- The amplifier output is available either for low impedance loudspeakers (min. 4 Ω) or 100 - 70 V constant voltage line (for loudspeakers having 100 - 70 V transformers)
- Front panel LEDs indicate the device state (ON, PROT), priority circuit enabled (PRIOR) and the signal level / peak (SIG/PK)

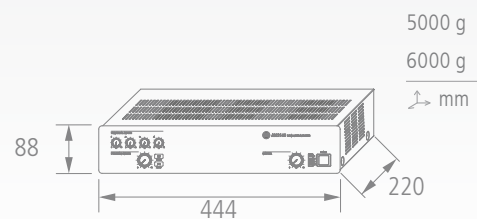
CFMAM2080

CFMAM2160 CFMAM2320 INTEGRATED AMPLIFIERS



- 160/320W 4-input Mixer-Amplifier
- Input 1 on XLR
- VOX facility on input 1
- Priority activation through dry contact on all 4 inputs
- RJ45 connectors on input 2 and 3 for connection to CFMBM3001 microphone
- Presence Control and per-channel High-Pass filters
- 2 Aux inputs with tone controls, selectable with two keys on the front panel
- Music On Hold and PRE outputs
- Digital Chime and Siren built-in generator
- 24V/0.5A priority relay output
- Status / Priority / Audio Level LED indications

REAR VIEW



SPECIFICATIONS

| | CFMAM2160 - CFMAM2320 |
|-----------------------|---|
| OUTPUT POWER | 160 W (AM 2160) - 320 W (AM 2320) |
| FREQUENCY RESPONSE | 50 Hz ÷ 18.000 kHz |
| DISTORTION (THD+N) | < 0.3% @ 1 kHz |
| SPEAKER OUTPUTS | 100 V, 70 V, 4 Ω |
| AUXILIARY OUTPUTS | 600 Ω, - 1 dBu (690 mV) |
| SIGNAL TO NOISE RATIO | > 60 dB (INPUTS 1-4); > 80 dB (AUX IN) |
| INPUT SENSITIVITY | (MIC) -58 dBu (1 mV); (MIC PHANTOM) -21 dBu (70 mV); (LINE) 0 dBu (775 mV); (AUX) -6 ÷ +13 dBu (0.39 ÷ 3.5 V) |
| INPUT IMPEDANCE | (MIC) 10 kΩ; (MIC PHANTOM) 5 kΩ; (LINE): 10 kΩ; (AUX): 20 kΩ |
| SUPPLY VOLTAGE | 230 V / 115 (50 / 60 Hz) - INTERNAL SETTING |
| POWER CONSUMPTION | 240 W (AM 2160) - 440 W (AM 2320) |
| INPUT CONNECTORS | 1 x XLR, 2 x RJ 45, 4 x SCREW TERMINALS, 2 x DOUBLE RCA (AUX) |
| OUTPUT CONNECTORS | 2 x RCA (MUSIC ON HOLD, PRE-OUT), SCREW TERMINALS FOR SPEAKERS |

CFMBM3001 MICROPHONE CONSOLE

EASYLINE SOLUTIONS

Dedicated microphone console with Cat5 connection cable and RJ45 connector.



CFMUP2161

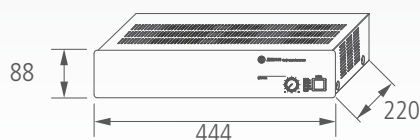
CFMUP2321

POWER AMPLIFIERS

EASYLINE
SOLUTIONS


- Versatile amplifier for music and announcements
- Three different models with same features but different power: UP 2161 - 160 W; UP 2321 - 320 W
- Main input with selectable phantom power on removable connector XLR or RJ45 (for a quick connection with CFMBM3001 through CAT5FTP cable)
- AUX input for audio sources (CD players, radios, etc.) through RCA connector
- Tone controllers and gain on AUX input
- Main input with priority option on the auxiliary one
- Main input with presence control and high-pass filter to enhance voice intelligibility
- Available output for low impedance speakers (4 Ohm min) or for constant voltage 100 - 70 V
- LED indicators on the front panel to monitor the amp status (ON, PROT, OVERLOAD) the selected priority (PRIOR) and signal level (SIG / PK)
- Rack mount kit for 2U amps included

REAR VIEW


4500 g
5500 g
↑ mm

SPECIFICATIONS

CFMUP2161 - CFMUP2321

| | |
|--------------------|---|
| OUTPUT POWER | 160 W (CFMUP2161) - 320 W (CFMUP2321) |
| FREQUENCY RESPONSE | 50 Hz ÷ 18.000 kHz |
| DISTORTION (THD+N) | < 0.3% @ 1 kHz |
| SPEAKER OUTPUT | 100 V, 70 V, 4 Ω |
| SIGNAL/NOISE RATIO | > 60 dB (INPUTS 1-4); > 80 dB (AUX IN) |
| INPUT SENSITIVITY | (MIC) -58 dBu (1 mV); (MIC PHANTOM) -21 dBu (70 mV); (LINE) 0 dBu (775 mV); (AUX) -6 ÷ +13 dBu (0.39 ÷ 3.5 V) |
| INPUT IMPEDANCE | (MIC) 10 kΩ; (MIC PHANTOM) 5 kΩ; (LINE): 10 kΩ; (AUX): 20 kΩ |
| POWER SUPPLY | 230 V / 115 (50 / 60 Hz) - INTERNAL SETTING |
| ABSORBED POWER | 240 W (CFMUP2161) - 440 W (CFMUP2321) |
| INPUT CONNECTORS | 1 x XLR, 1 x RJ 45, 1 x SCREW TERMINALS, 1 x DOUBLE RCA (AUX) |
| OUTPUT CONNECTORS | SCREW TERMINALS |

CFMBM3001

MICROPHONE CONSOLE

EASYLINE
SOLUTIONS

BM 3001 microphone console with CAT5 cable and RJ 45 connectors.



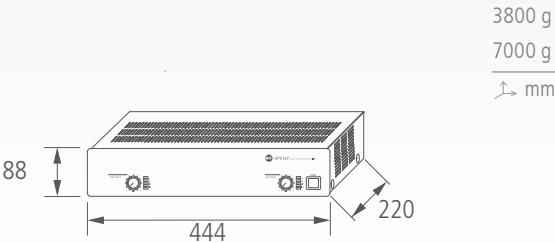
CFMUP2082 CFMUP2162

POWER AMPLIFIERS



- CFMUP2082 and CFMUP2162 are devices with 2 separated and independent amplifiers, each one with an 80 W (CFMUP2082) or 160 W (CFMUP2162) power.
- Each amplifier features 2 audio inputs to “line” level, one of these with priority function
- Each amplifier has its own volume and tone controls
- Light indicators for the system status (ON), protection (PROT), priority circuit activation (PRIOR) and peak/audio signal level (SIG/PK) of the corresponding amplifier
- Two outputs for each amplifier, available to low impeance (4 Ω) or constant voltage 100 – 70 V
- 19" rack mount kit

REAR VIEW



| SPECIFICATIONS | CFMUP2082 | CFMUP2162 |
|--------------------|--|--|
| OUTPUT POWERS | 2 x 80 W | 2 x 160 W |
| FREQUENCY RESPONSE | 50 - 16.000 Hz (\pm 3 dB) | 50 - 16.000 Hz (\pm 3 dB) |
| DISTORTION (THD+N) | < 0,3% @ 1 kHz | < 0,3% @ 1 kHz |
| SPEAKER OUTPUTS | 100 V, 70 V, 4 Ω | 100 V, 70 V, 4 Ω |
| AUXILIARY OUTPUTS | 600 Ω , -1 dBu (690 mV) | 600 Ω , -1 dBu (690 mV) |
| SIGNAL/NOISE RATIO | > 80 dB | > 80 dB |
| INPUT SENSITIVITY | IN 1: -12 dBu, IN 2: -32 \div -12 dBu | IN 1: -12 dBu, IN 2: -32 \div -12 dBu |
| INPUT IMPEDANCE | IN 1: 20 k Ω , IN 2: 20 k Ω (stereo: 10 k Ω) | IN 1: 20 k Ω , IN 2: 20 k Ω (stereo: 10 k Ω) |
| POWER SUPPLY | 115-230V (internal setting) / 50-60 Hz | 115-230V (internal setting) / 50-60 Hz |
| ABSORBED POWER | 350 W | 700 W |
| INPUT CONNECTORS | 2 x SCREW TERMINALS | 2 x SCREW TERMINALS |
| OUTPUT CONNECTORS | REMOVABLE SCREW TERMINALS | REMOVABLE SCREW TERMINALS |

CFMUP8501

CFMUP8502

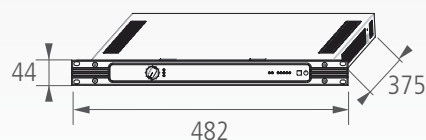
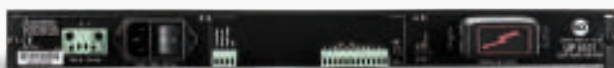
DIGITAL POWER AMPLIFIER



- Class D amplifier and double switching AC-DC power supply, transformer-less galvanic insulated speaker output
 - Pro audio performance
 - Selectable 70 – 100 V output per channel
 - Double input per channel
 - Active full protections on amplifier and power supply
- Stand-by, priority and fault remote commands
- Activity and status indicators
- Volume knobs on front panel with disablement facility
- Light-weight 1 U 19" rack enclosure

REAR VIEW

CFMUP8501



1124 g
mm

CFMUP8502



1168 g
mm

SPECIFICATIONS

| | CFMUP8501 | CFMUP8502 |
|---|--|-----------|
| NO. CHANNELS X OUTPUT POWER (RMS) | 1 X 500 W | 2 X 250 W |
| FREQUENCY RESPONSE | 40 Hz ÷ 16 kHz | |
| BAND-PASS FILTER (12 DB / OCT) | 200 Hz ÷ 8 kHz | |
| THD AND NOISE (AT MAX. POWER) | MAX. 0.3% | |
| SIGNAL / NOISE RATIO (IEC-A) | 86 DB | |
| INPUT 1 SENSITIVITY | 0 dBu (775 mV, max. 7 V) | |
| INPUT 2 SENSITIVITY | 0 ÷ -20 dBu (775 ÷ 78 mV, max. 7 V) | |
| IN TEST SENSITIVITY | 0 dBu (775 mV) | |
| INPUT IMPEDANCE | 10 kΩ | |
| MINIMUM LOAD IMPEDANCE OF EACH 70 V LINE | 10 Ω | 20 Ω |
| MINIMUM LOAD IMPEDANCE OF EACH 100 V LINE | 20 Ω | 40 Ω |
| OVER SIGNAL LIMITER | 20 dB | |
| OPERATING VOLTAGE | Da rete: 115 – 230V c.a. ±10%, 50 – 60 Hz (internal voltage selector) Batteries: 48 V c.c. ±10% | |
| POWER CONSUMPTION, AC STAND-BY | 3 W | |
| POWER CONSUMPTION, DISABLED AMP. | 13 W | 15 W 20 W |
| POWER CONSUMPTION, NO INPUT SIGNAL | 25 W | 36 W 50 W |
| POWER CONSUMPTION, MUSICAL SIGNAL | 160 W | |
| POWER CONSUMPTION, MAX. OUTPUT POWER | 650 W | |
| POWER CONSUMPTION, MAX. OVERLOAD | 800 W | |
| OPERATING TEMPERATURE | 0 ÷ 55 °C; Humidity: max 90% | |
| DIMENSIONS (W, H, D) | 482 mm, 44 mm, 375 mm (1 rack unit 19") | |
| NET WEIGHT | 5.1 KG | 5.3 KG |

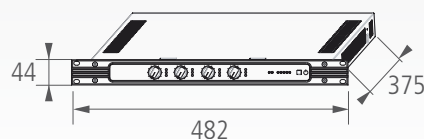
CFMUP8504

DIGITAL POWER AMPLIFIER



- Class D amplifier and double switching AC-DC power supply, transformer-less galvanic insulated speaker output
- Pro audio performance
- Selectable 70 – 100 V output per channel
- Double input per channel
- Active full protections on amplifier and power supply
- Stand-by, priority and fault remote commands
- Activity and status indicators
- Volume knobs on front panel with disablement facility
- Light-weight 1 U 19" rack enclosure

REAR VIEW



1212 g
↕ mm

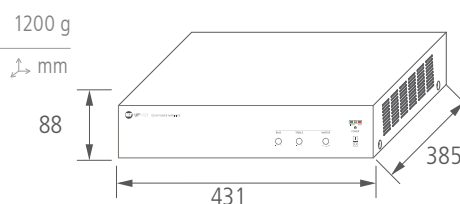
SPECIFICATIONS

CFMUP8504

| | |
|---|--|
| NO. CHANNELS X OUTPUT POWER (RMS) | 4 X 125 W |
| FREQUENCY RESPONSE | 40 Hz ÷ 16 kHz |
| BAND-PASS FILTER (12 DB / OCT) | 200 Hz ÷ 8 kHz |
| THD AND NOISE (AT MAX. POWER) | MAX. 0.3% |
| SIGNAL / NOISE RATIO (IEC-A) | 86 DB |
| INPUT 1 SENSITIVITY | 0 dBu (775 mV, max. 7 V) |
| INPUT 2 SENSITIVITY | 0 ÷ -20 dBu (775 ÷ 78 mV, max. 7 V) |
| IN TEST SENSITIVITY | 0 dBu (775 mV) |
| INPUT IMPEDANCE | 10 kΩ |
| MINIMUM LOAD IMPEDANCE OF EACH 70 V LINE | 40 Ω |
| MINIMUM LOAD IMPEDANCE OF EACH 100 V LINE | 80 Ω |
| OVER SIGNAL LIMITER | overload, short circuit, overheating |
| OPERATING VOLTAGE | Da rete: 115 – 230V c.a. ±10%, 50 – 60 Hz (internal voltage selector) Batteries: 48 V c.c. ±10% |
| POWER CONSUMPTION, AC STAND-BY | 3 W |
| POWER CONSUMPTION, DISABLED AMP. | 20 W |
| POWER CONSUMPTION, NO INPUT SIGNAL | 50 W |
| POWER CONSUMPTION, MUSICAL SIGNAL | 160 W |
| POWER CONSUMPTION, MAX. OUTPUT POWER | 650 W |
| POWER CONSUMPTION, MAX. OVERLOAD | 800 W |
| OPERATING TEMPERATURE | 0 ÷ 55 °C; Humidity: max 90% |
| DIMENSIONS (W, H, D) | 482 mm, 44 mm, 375 mm (1 rack unit 19") |
| NET WEIGHT | 5.5 KG |

CFMUP1121

INTEGRATED AMPLIFIER



- 120 W power amplifier
- Single balanced 'line' level audio input (terminal strip)
- Amplifier output to loudspeakers, available as 100 / 70 V constant voltage line and Low impedance (min. 4 Ω)
- Input for the secondary 24 V dc power supply (batteries)
- MASTER volume control with screw
- BASS and TREBLE tone screw control (centre position is flat response)
- Main POWER switch
- LEDs indicating the audio signal level
- Main connector with fuse

SPECIFICATIONS

| | |
|--------------------|--------------------------|
| TYPE | STEREO AMPLIFIER |
| FREQUENCY RESPONSE | 60 ÷ 15.000 Hz |
| POWER CONSUMPTION | 120 W |
| ABSORBED POWER | 120 W RMS |
| INPUT SENSITIVITY | LINE: 1 V (+ 2 dBu) |
| INPUT IMPEDANCE | 10 K Ω (balanced) |

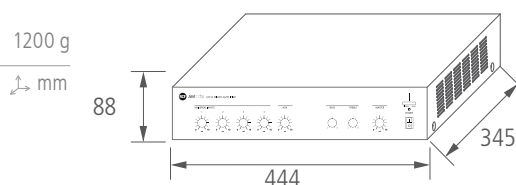
CFMUP1121

CFMAM1125

MIXER AMPLIFIER

CFMAM1064

MIXER AMPLIFIER



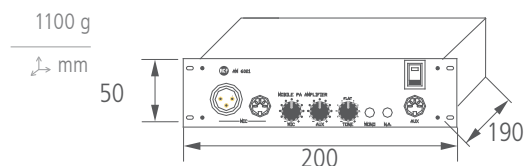
- 120 W 4-inputs Mixer-Amplifier AM 1125
- 60 W 3-inputs Mixer-Amplifier AM 1064
- 4 XLR input AM 1125 / 3XLR input AM 1064
- VOX facility and Phantom power supply on input 1
- Audio input 3 also with dual RCA connector
- Aux input on dual RCA connector
- DUCKING Control to adjust the Aux in level
- Audio output (with RCA connector) that sends the same signal routed to the internal amplifier
- Audio input (with RCA connector) to connect an external device directly to the internal power amplifier
- AM 1125 Input for the secondary 24 V dc power supply (batteries)
- Amplifier output to loudspeakers, available as 100 / 70 V constant voltage line and Low impedance (min. 4 Ω)

SPECIFICATIONS

| | CFMAM1125 | CFMAM1064 |
|--------------------|--|-----------|
| TYPE | STEREO AMPLIFIER | |
| FREQUENCY RESPONSE | 50 ÷ 15.000 Hz | |
| MAX CONSUMPTION | 170 W | 350 W |
| MAX. OUTPUT POWER | 120 W RMS | 60 W RMS |
| INPUT SENSITIVITY | MIC: 1.5 mV (– 54 dBu) dBu LINE & AUX: 200 mV (– 12 dBu) dBu | |
| INPUT CONNECTORS | XLR or Dual RCA | |
| OUTPUT CONNECTORS | Dual RCA | |

CFMAM6020

MOBILE AMPLIFIER



- 2 unbalanced AUX stereo inputs on DIN connector
- 1 balanced microphone input on DIN connector, 1 balanced microphone input on XLR connector
- Circuit for automatic attenuation of music in the presence of announcements
- One-tone signal generator 600 Hz (siren)
- Protection against overload and short circuits
- Power supply 12 Vdc or 24 Vdc selectable

SPECIFICATIONS

TYPE

FREQUENCY RESPONSE

CONSUMPTION

NOMINAL POWER

INPUT SENSITIVITY

CONNECTORS

CFMAM6020

STEREO AMPLIFIER

150÷6.000 Hz (mic) 20÷15.000 Hz (aux)

80 W (24 V cc) - 40 W (12 V cc)

20+20 W (24 V cc) - 10+10 W (12 V cc)

50 mV ÷ 5 V RMS

DIN o XLR / 0,7 mV – 2 KOhm (mic), e DIN (aux) / 150 mV – 22 KOhm

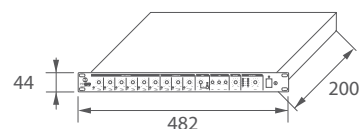
CFMPR4093

PRE-AMPLIFIER 9 INPUT 2 OUTPUT



3600 g

mm



- MP3 stereo player/recorder
- Supports SD cards and USB flash drives
- 32 GB Maximum supported memory
- Can play/record one file at a time
- A sequence of 64 file can be programmed
- Fixed MP3 recording format: 192 kbps
- 1 AUX INPUT with parallel AUX OUTPUT
- Disabled front buttons
- IR remote control included

SPECIFICATIONS

FREQUENCY RESPONSE

DISTORTION (THD+N)

TONE CONTROLS

SENSIBILITY

MAX. INPUT LEVEL

INPUT IMPEDANCE

LOW:

MID:

HIGH:

STEREO INPUT

INPUT TO OUTPUT:

CFMPR4093

20 ÷ 22.000 Hz

≤ 0.03% at 1 kHz

BASSI: 100 Hz ± 10 dB; ALTI: 10 kHz ± 10 dB

-40 dBu (MIC) / 0 dBu (LINE)

-19 dBu (MIC) / +21 dBu (LINE)

2 kΩ (MIC) / 19,5 kΩ (LINE)

±15 dB a 80 Hz

±12 dB a 2,5 kHz

±15 dB a 8 kHz

< -68 dB

< -76 dB a 1 kHz

FLUSH MOUNTED AND WALL SPEAKERS

The best solutions for wall or flush installations in false ceiling or panels.



| MODEL | CFMPL40 | CFMPL50 | CFMPL60 | CFMPL6X | CFMPL8X | CFVPL60FD |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| TYPE | Ceiling speaker | Ceiling speaker | Ceiling speaker | Ceiling speaker | Ceiling speaker | Ceiling speaker |
| INSTALLATION | Flush mounted | Flush mounted | Flush mounted | Flush mounted | Flush mounted | Flush mounted |
| COLOR | White | White | White | White | White | White |
| SPEAKER | 3.5" | 6" | 6" dual-cone | 6" + 1" | 8" + 1" | 6" dual-cone |
| POWER NOM. / PROGRAM | 8 W RMS / 16 W | 3 W RMS– 6 W | 6 W RMS / 12 W | 12 W RMS / 24 W | 20 W RMS / 40 W | 6 W RMS / 10 W |
| INPUT | 100 V, 70 V | 100 V | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V |
| FREQUENCY RESPONSE | 90 ÷ 20.000 Hz | 100 Hz ÷ 20 kHz | 110 ÷ 20.000 Hz | 70 ÷ 20.000 Hz | 60 ÷ 20.000 Hz | 150 ÷ 15.000 Hz |
| MAX. SOUND PRESSURE | 100 dB | 98 dB | 102 dB | 106 dB | 109 dB | 105 dB |
| ANGLE OF COVERAGE | 120° | 150° | 150° | 100° | 80° | 150° |
| PROTECTION | IP 44 | IP 40 | IP 40 | IP 44 | IP 44 | IP 40 |

| MODEL | CFVPL70EN | CFVPL68EN | CFMHS1026 | CFMPLF30 | CFMBS8 | CFMBS2620 | CFVBS5EN |
|----------------------|-----------------|-----------------|-------------------|-------------------|-----------------|-----------------|---|
| TYPE | Ceiling speaker | Ceiling speaker | Ceiling speaker | Ceiling speaker | Spherical | Spherical | Suspension |
| INSTALLATION | Flush mounted | Flush mounted | Flush mounted | Flush mounted | Suspended | Suspended | Suspended |
| COLOR | White | White | White/Gold/Chrome | White (paintable) | White | White | White |
| SPEAKER | 6" dual-cone | 6" dual-cone | 2,5" | 3" | 8" | 6" dual-cone | 5" coaxial |
| POWER NOM. / PROGRAM | 6 W RMS / 12 W | 6 W RMS / 12 W | 6 W RMS / 12 W | 12 – 6 W | 20 W RMS / 40 W | 20 W RMS / 40 W | 20-10-5-2,5 / 40 W |
| INPUT | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V | 100 V | 100 V | 100 V | 100 V |
| FREQUENCY RESPONSE | 120 ÷ 14.000 Hz | 130 ÷ 14.000 Hz | 220 ÷ 17.000 Hz | 150 Hz ÷ 7 kHz | 160 ÷ 12.500 Hz | 20 ÷ 20.000 Hz | 150 ÷ 18.000 Hz |
| MAX. SOUND PRESSURE | 109 dB | 102 dB | 102 dB | 99 dB | 106 dB | 106 dB | 99 dB (20 W, 1 m), 87 dB (20 W, 4 m) dB |
| ANGLE OF COVERAGE | 150° | 140° | 170° | 170° | 140° | 150° | 160° |
| PROTECTION | IP 40 | IP 40 | IP 40 | IP 40 | IP 40 | IP 55 | IP 65 |



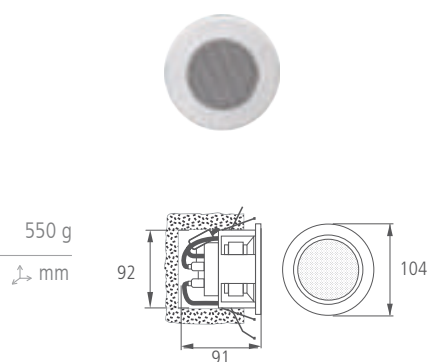
| MODEL | CFMDM41 | CFMDM61 | CFVDU50EN | CFMDU100X | CFMWS620XT |
|----------------------|-------------------------|-------------------------|-----------------------|-------------------------|-------------------|
| TYPE | Compact two-way | Compact two-way | Universal | Universal | Universal two-way |
| INSTALLATION | Wall | Wall | Wall or flush mounted | Wall or flush mounted | Flush-mounted |
| COLOR | White Ivory | White Ivory | White | White | White |
| SPEAKER | 3.5" + 1" | 6" + 1" | 4,5" | 4" + 1" | 6" + 1" |
| POWER NOM. / PROGRAM | 15 W RMS / 30 W | 25 W RMS / 50 W | 6 W RMS / 12 W | 10 W RMS / 20 W | 12 W RMS / 24 W |
| INPUT | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V, 25 V | 100 V, 70 V, 4 Ω |
| FREQUENCY RESPONSE | 100 ÷ 20.000 Hz | 70 ÷ 20.000 Hz | 200 ÷ 12.000 Hz | 100 ÷ 18.000 Hz | 70 ÷ 20.000 Hz |
| MAX. SOUND PRESSURE | 102 dB | 106 dB | 102 dB | 103 dB | 105 dB |
| ANGLE OF COVERAGE | 180° (Horiz) 170° (Ver) | 120° (Horiz) 140° (Ver) | 150° | 100° (Horiz) 140° (Ver) | 120° |
| PROTECTION | IP 55 | IP 55 | IP 40 | IP 40 | IP 55 |



| MODEL | CFMDU31 | CFMDU31AT | CFMELISA50 |
|----------------------|----------------------------------|---|------------------------|
| TYPE | Universal two-way | Universal two-way | Universal |
| INSTALLATION | Wall or Flush-mounted | Wall or Flush-mounted | Flush-mounted |
| COLOR | White Ivory | White Ivory | White |
| SPEAKER | 3.5" + 0.85" | 3.5" + 0.85" | 3.5" |
| POWER NOM. / PROGRAM | 8 - 4 - 2 W (100 V) - 8 W (25 V) | 8 - 4 - 2 - 1 - 0,5W (100 V) - 8 W (25 V) | 6 W RMS / 12 W |
| INPUT | 100 V, 70 V, 25 V | 100 V, 70 V, 25 V | 100 V, 70 V, 25 V, 4 Ω |
| FREQUENCY RESPONSE | 100 ÷ 17.000 Hz | 100 ÷ 17.000 Hz | 120 ÷ 16.000 Hz |
| MAX. SOUND PRESSURE | 91 dB | 91 dB | 99 dB |
| ANGLE OF COVERAGE | 160° | 160° | 160° |
| PROTECTION | IP 40 | IP 40 | IP 40 |

CFMHS1026W

SPOTLIGHT CEILING SPEAKER



- For paging and background music
- High-pass filter for use with optional subwoofer
- Low impedance (8Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Ease of installation in standard holes used for lightspots

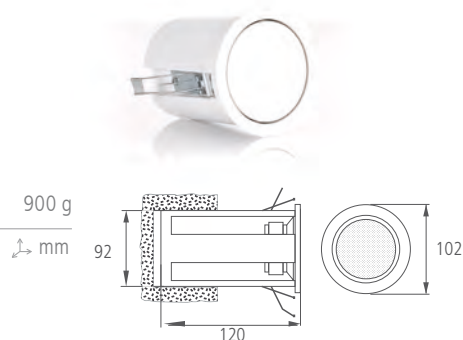
SPECIFICATIONS

CFMHS1026W

| | |
|-------------------------|--------------------------|
| POWER | 6 - 3 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 220 ÷ 17.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 89 dB |
| MAXIMUM SOUND PRESSURE | 102 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 170° |

CFMPLF30

PAINTABLE FLUSH MOUNTING CEILING SPEAKER



- Particularly suitable for business music applications
- Extra-wide dispersion over 160°
- 3" wide-range transducer with flat diaphragm
- Sound Pressure Level: 83 dB @ 1W/1m | For 100/70V constant voltage connection
- Built-in multi-tapped transformer | Body in self-extinguishing plastic
- Front paintable flat cone in white, Clips or Spring-type mounting systems provided

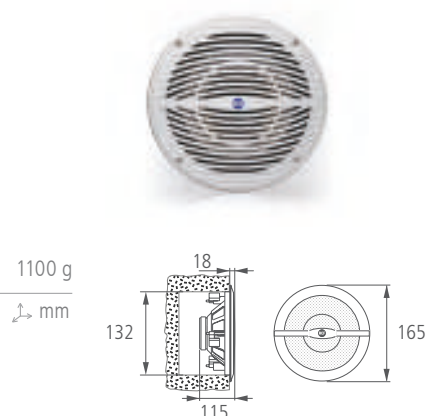
SPECIFICATIONS

CFMPLF30

| | |
|-------------------------|-------------------------|
| POWER | 12 - 6 W |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 150 ÷ 7.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 88 dB |
| MAXIMUM SOUND PRESSURE | 99 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 170° |

CFMWS620XT

TWO-WAY WEATHER RESISTANT FLUSH MOUNTING SPEAKER



- Weather resistant splashproof speaker
- 6" woofer with coaxial tweeter
- Two way speaker system with coaxial tweeter, recommended for hi level speech and background-music reproduction
- Body and grille in plastic RAL 9016 White | IP 55 protection

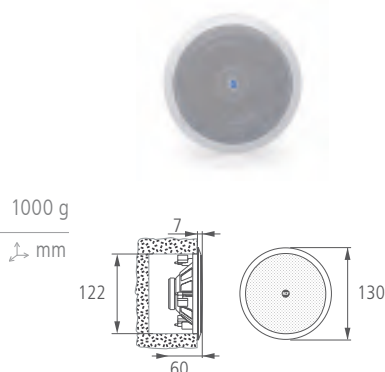
SPECIFICATIONS

CFMWS620XT

| | |
|-------------------------|--------------------------|
| POWER | 12 - 6 - 3 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 70 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 91 dB |
| MAXIMUM SOUND PRESSURE | 105 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 120° |

CFMPL40

CEILING SPEAKER



- For speech and background-music reproduction
- Low impedance (8Ω) or 100V
- 3.5" full range speaker
- Three hooks mounting system (no screws or other attachment elements)
- Body in self-extinguishing (UL 94V-0) plastic and front metal grille RAL 9003 White
- IP 44 protection

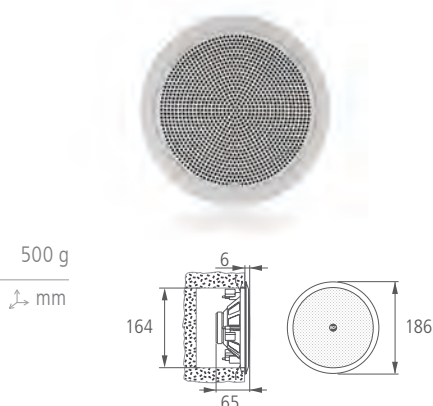
SPECIFICATIONS

CFMPL40

| | |
|-------------------------|--------------------------|
| POWER | 8 - 6 - 4 - 2 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 90 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 88 dB |
| MAXIMUM SOUND PRESSURE | 100 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 120° |

CFMPL50

FULL RANGE FLUSH MOUNTING CEILING SPEAKER



- Suitable for paging and background music applications
- 6" wide band loudspeaker
- Sound pressure level at music power: 91 dB @ 1W/1m
- Built-in multi-tap line transformer, 100V and 70V constant voltage connection
- Body in self-extinguishing plastic, white colour
- Spring-type mounting system

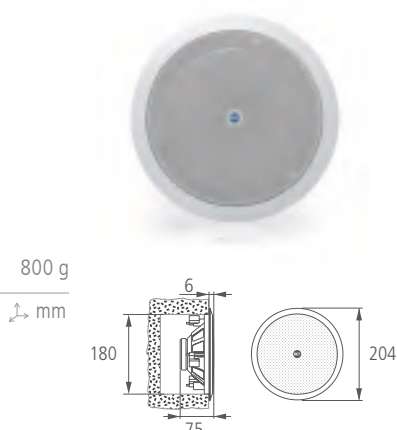
SPECIFICATIONS

CFMPL50

| | |
|-------------------------|--------------------------|
| POWER | 6 - 3 W |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 100 Hz ÷ 20 kHz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 90 dB |
| MAXIMUM SOUND PRESSURE | 98 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 150° |

CFMPL60

HIGH EFFICIENCY CEILING SPEAKER



- For paging and background music
- 6" dual cone wide band loudspeaker
- Sound pressure level at music power: 102 dB/1 m
- Low impedance (4Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Body in self-extinguishing plastic UL-94-V0 and front metal grille RAL 9010 White
- Optional accessory: CFMA1360 base for surface mount installation

SPECIFICATIONS

CFMPL60

| | |
|-------------------------|--------------------------|
| POWER | 6 - 3 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 110 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 91 dB |
| MAXIMUM SOUND PRESSURE | 102 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 150° |

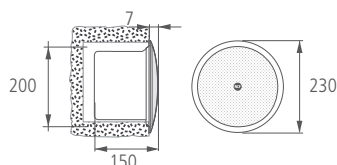
CFVPL60FD

CEILING SPEAKER WITH FIRE DOME



2800 g

mm



- Especially suitable for alarm/evac applications
- 6" dual cone wide band loudspeaker
- Sound pressure level at music power: 105 dB/1 m
- Low impedance (8Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Metal back cover, RAL 3020 red
- Ceramic termination blocks, thermal fuse, fire resistant cable
- Front metal grille RAL 9010 White

SPECIFICATIONS

CFVPL60FD

| | |
|-------------------------|-------------------------------|
| POWER | 6 - 3 - 1,5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 150 ÷ 15.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 94 dB |
| MAXIMUM SOUND PRESSURE | 105 dB (1 m / MAX POWER) |
| ANGLE OF COVERAGE | 150° |

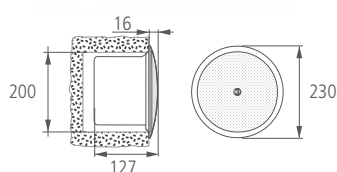
CFVPL70EN

CEILING SPEAKER WITH FIRE DOME



2000 g

mm



- Speaker for transmitting voice alarm messages with high intelligibility and background music
- 6" diameter dual cone wide band loudspeaker
- Low impedance (8Ω) or 100V
- Steel protection Fire Dome, terminal strip in ceramic material for connecting flame proof input and output cables, thermal fuse, suitable internal wiring
- Conforms to EN 54-24 regulations
- Structure, front grille, and protection cap in steel, RAL 9003 White

SPECIFICATIONS

CFVPL70EN

| | |
|-------------------------|-------------------------------|
| POWER | 6 - 3 - 1.5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 120 ÷ 14.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 95 dB |
| MAXIMUM SOUND PRESSURE | 109 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 150° |

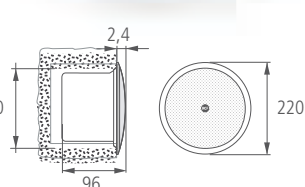
CFVPL68EN

CEILING SPEAKER FIRE DOME



1300 g

mm



- Flame proof steel bottom designed and steel protection grille
- Speaker for transmitting alarm voice messages with high intelligibility and background music
- 6" diameter dual cone wide band loudspeaker
- Steel protection Fire Dome, terminal strip in ceramic material for connecting flame proof input and output cables, thermal fuse, suitable internal wiring
- Conforms to EN 54-24 regulations
- Structure, front grille, and protection cap in steel, RAL 9003 White

SPECIFICATIONS

CFVPL68EN

| | |
|-------------------------|-------------------------------|
| SELECTABLE POWER | 6 - 3 - 1,5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 130 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 94 dB |
| MAX SPL | 105 dB (1 m / POTENZA MAX) |
| COVERAGE ANGLE | 140° |

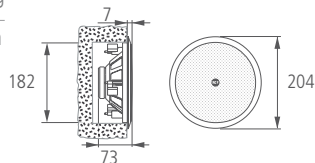
CFMPL6X

COAXIAL CEILING SPEAKER



1000 g

mm



- Two way speaker system with dome tweeter recommended for speech and background-music reproduction
- 6" woofer with coaxial tweeter
- Low impedance (8Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Three hooks mounting system (no screws or other attachment elements)
- Body in self-extinguishing (UL 94V-0) plastic and front metal grille RAL 9003 White

SPECIFICATIONS

CFMPL6X

| | |
|-------------------------|--------------------------|
| POWER | 12 - 6 - 3 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 70 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 92 dB |
| MAXIMUM SOUND PRESSURE | 106 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 100° |

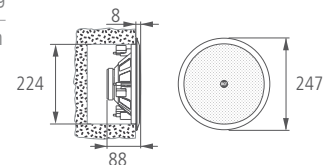
CFMPL8X

COAXIAL CEILING SPEAKER



1800 g

mm



- Two way speaker system with dome tweeter for hi level speech and background-music
- 8" woofer with coaxial tweeter | Low impedance (8Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Body in self-extinguishing plastic (UL 94V-0) and front metal grille RAL 9003 White

SPECIFICATIONS

CFMPL8X

| | |
|-------------------------|-----------------------------|
| POWER | 20 - 10 - 5 - 2.5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 60 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 93 dB |
| MAXIMUM SOUND PRESSURE | 109 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 80° |

CFMAC50B

FLUSH MOUNT BOX



- Flush mount box for CFMELISA50 speaker
- Dimensions. 152x97x70 mm

CFMAC1503

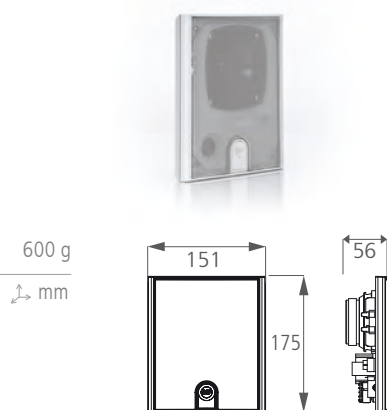
CERAMIC TERMINAL WITH THERMAL FUSE ACCESSORY



- Accessory with ceramic terminal and a thermal fuse to connect a loudspeaker in sound systems for emergency purposes

CFMDU31

FLUSH MOUNT WALL SPEAKER



- For paging and background music for several type of installation
- 2 way wall speaker with flexible design with wide band 3,5" woofer and 1" tweeter
- Includes a transformer for the connection to (100 - 70 - 25 V) constant voltage lines
- Power selector 8 W, 4 W, 2W at 100 V and a 25 V (8W) socket
- Universal wall mounting on standard European flush mounting boxes.
- Body in plastic, RAL 9002 White Ivory

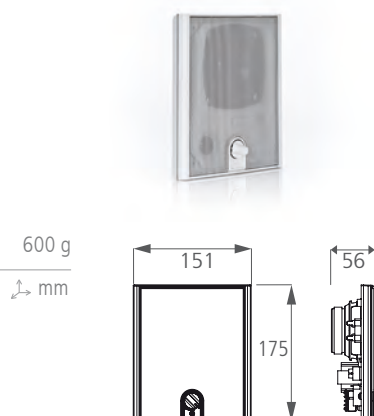
SPECIFICATIONS

CFMDU31

| | |
|-------------------------|----------------------------------|
| POWER | 8 - 4 - 2 W (100 V) - 8 W (25 V) |
| CONSTANT VOLTAGE | 100 V, 70 V, 25 V |
| FREQUENCY RESPONSE | 100 - 17.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 82 dB |
| MAXIMUM SOUND PRESSURE | 91 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 160° |

CFMDU31AT

FLUSH MOUNT WALL SPEAKER WITH POWER SELECTOR



- For paging and background music for several type of installation
- 2 way wall speaker with flexible design with wide band 3,5" woofer and 1" tweeter
- Wattage taps (8 W, 4 W, 2W, 1W, 0,5W at 100 V) is selectable by means of a Rotary switch, accessible from the front panel
- Includes a transformer for the connection to (100 - 70 - 25 V) constant voltage lines and a 25 V socket makes it possible to connect multiple speakers in parallel to a constant impedance line
- Universal mounting in wall on the standard European flush mounting box (like Gewiss GW 48005 dimension 160(L) x 130(H) x 70(P) or B-Ticino 16205 - 170(L) x 145(H) x 70(P))
- Body in plastic, RAL 9002 White Ivory

SPECIFICATIONS

CFMDU31AT

| | |
|-------------------------|--|
| POWER | 8 - 4 - 2 - 1 - 0,5 W (100 V) - 8 W (25 V) |
| CONSTANT VOLTAGE | 100 V, 70 V, 25 V |
| FREQUENCY RESPONSE | 100 - 17.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 82 dB |
| MAXIMUM SOUND PRESSURE | 91 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 160° |

CFMA1331

SURFACE MOUNT FOR CFMDU31 / CFMDU31AT



- Quickly and easily installed on any flat surface
- Body in plastic, RAL 9002 White Ivory



CFMDU31AT Table mounting support with tilt 15°



CFMDU31 and CFMA1331 wall mounting support with tilt 0°



CFMDU31 and CFMA1331 wall mounting support with tilt 15°



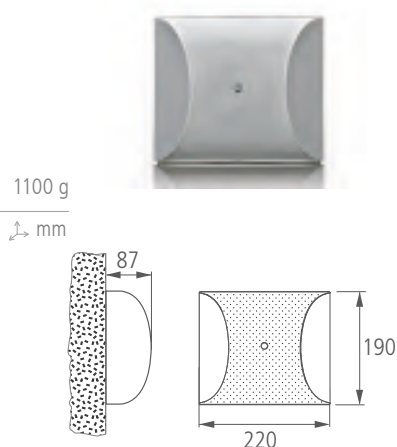
CFMDU31 and CFMA1331 flag mount support unidirectional



2 x CFMDU31 and 2 x CFMA1331 flag mount support bi-directional

CFMDU100X

COAXIAL SPEAKER



- Ideal for paging and background music, wall or ceiling installation
- Dual-cone extended range loudspeaker, 4" diameter
- Plastic body with shock-proof metal grid
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Body in ABS and metal grille RAL 9003 White

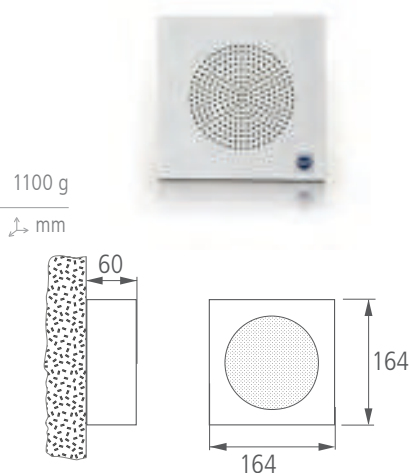
SPECIFICATIONS

CFMDU100X

| | |
|-------------------------|--------------------------------------|
| POWER | 10 - 5 - 2.5 - 1.25 - 0.75 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V, 25 V |
| FREQUENCY RESPONSE | 100 ÷ 18.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 93 dB |
| MAXIMUM SOUND PRESSURE | 103 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 100° (HORIZ.); 140° (VERT.) |

CFVDU50EN

UNIVERSAL STEEL SPEAKER



- Speaker designed for transmitting alarm messages with high intelligibility, and background music
- Wide-band dual cone loudspeaker, diameter 5"
- Extra-thick steel housing, terminal strip for connections made of ceramic material for flameproof input and output cables, thermal fuse, suitable internal wiring
- In compliance with norm EN 54-24
- Colour: RAL 9010 White

SPECIFICATIONS

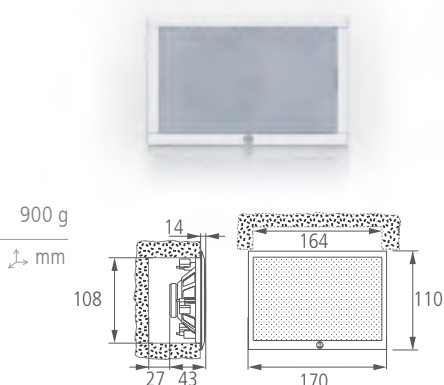
CFMDU50EN

| | |
|-------------------------|--------------------------|
| POWER | 6-3-1,5-0,75 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 200 ÷ 12.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 91 dB |
| MAXIMUM SOUND PRESSURE | 102 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 150° |



CFMELISA50

COMPACT HI-DEFINITION FLUSH MOUNT WALL SPEAKER



- For high quality paging and background music
- Music power/RMS: 12/6W (20/10W in use without transformer, 4Ω)
- 3.5" extended range speaker with central equaliser, carbon fibre cone
- Equipped with multi-tapped transformer for 100/70/25V constant voltage connection
- Flush mount box with soundproof material included
- Front frame in ABS and metal grille RAL 9010 White

SPECIFICATIONS

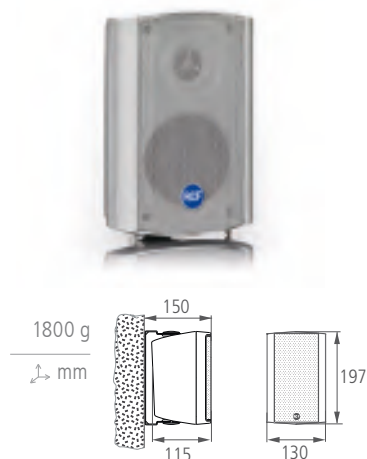
CFMELISA50

| | |
|-------------------------|--------------------------|
| POWER | 6-3-1 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V, 25 V, 4 Ω |
| FREQUENCY RESPONSE | 120 ÷ 16.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 88 dB |
| MAXIMUM SOUND PRESSURE | 99 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 160° |

CFMDM41

CFMDM41B Black

COMPACT TWO-WAY SPEAKER



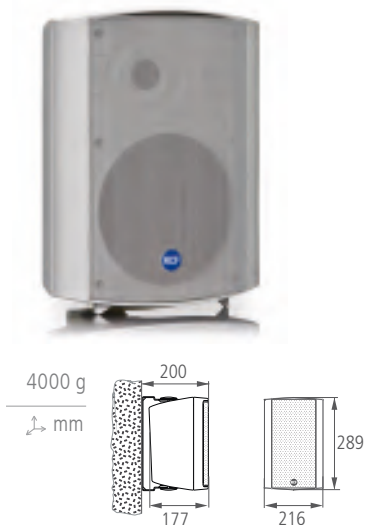
- 3.5" woofer with mylar dome 1" tweeter
- Built-in multitap transformer for constant voltage system
- Body in self-extinguishing composite material
- IP55 protection, suitable for outdoor use
- Adjustable mounting accessory included

SPECIFICATIONS**CFMDM41**

| | |
|-------------------------|------------------------------------|
| POWER | 15 - 10 - 5 - 2.5 W (100 V) SELEC. |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 100 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 87 dB |
| MAXIMUM SOUND PRESSURE | 102 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 180° (HORIZ.); 170° (VERT.) |

CFMDM61

COMPACT TWO-WAY SPEAKER



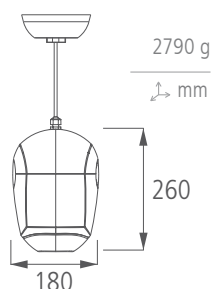
- Woofer 6" with mylar dome tweeter
- Built-in multitap transformer for constant voltage system
- Body in self-extinguishing composite material
- IP55 protection, suitable for outdoor use
- Adjustable mounting accessory included

SPECIFICATIONS**CFMDM61**

| | |
|-------------------------|-----------------------------|
| POWER | 25 - 15 - 10 - 5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 100 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 89 dB |
| MAXIMUM SOUND PRESSURE | 106 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 120° (HORIZ.); 140° (VERT.) |

CFVBS5EN

EN54-24 COMPLIANT SUSPENDED SOUND PROJECTOR



- 5" coaxial speaker for alarm voice messages broadcasting and high quality background music.
- ABS cabinet with steel mesh grille
- It can be installed both indoors and outdoors (IP 65 protection grade)
- Equipped with transformer for 100 V (/ 70 V) constant voltage lines
- Internal power setting
- Ceramic screw terminal for connection
- Internal thermal fuse
- 5 meters cable

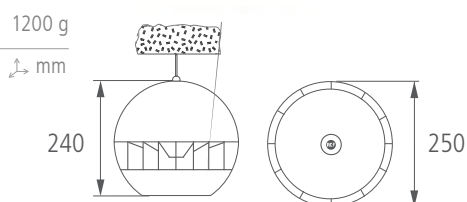
SPECIFICATIONS

CFVBS5EN

| | |
|--------------------|---|
| SELECTABLE POWER | 20 - 10 - 5 - 2,5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 150 ÷ 18.000 Hz |
| SENSITIVITY | 86 dB (1 W, 1 m), 74 dB (1 W, 4 m) dB |
| MAX SPL | 99 dB (20 W, 1 m), 87 dB (20 W, 4 m) dB |
| COVERAGE ANGLE | 160° Horiz. - 160° Vert. |

CFMBS8

PENDENT BALL SPEAKER



- Pendent speaker
- For paging and background music
- 8" diameter dual cone wide band speaker
- Plastic body - White RAL 9010
- Built-in transformer for 100V constant voltage connection
- 5-metre suspension and connection cable included

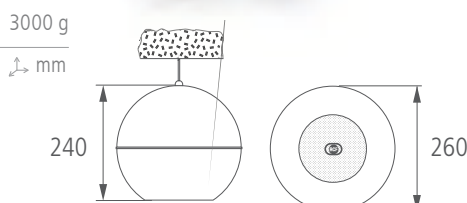
SPECIFICATIONS

CFMBS8

| | |
|-------------------------|-----------------------------|
| POWER | 20-10-5 W (100 V) |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 160 ÷ 12.500 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 93 dB |
| MAXIMUM SOUND PRESSURE | 106 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 360° (HORIZ.); 140° (VERT.) |

CFMBS2620

HIGH PERFORMANCE PENDENT BALL SPEAKER



- Pendent speaker
- For paging and background music
- 6" diameter dual cone wide band speaker
- 5-metre suspension and connection cable included
- Weather-resistant construction (IP55) for use both indoors and outdoors
- Body in self-extinguishing plastic UL94VO, UV ray protected, RAL 9010 White

SPECIFICATIONS

CFMBS2620

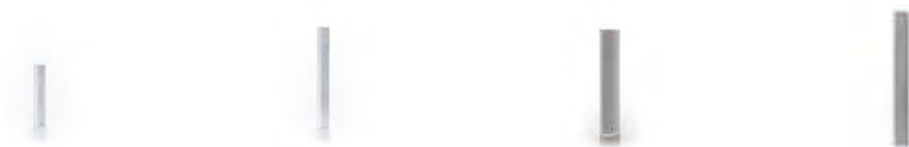
| | |
|-------------------------|-----------------------------|
| POWER | 20-15-10-5-2.5 W (100 V) |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 50 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 93 dB |
| MAXIMUM SOUND PRESSURE | 106 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 360° (HORIZ.); 150° (VERT.) |

SOUND PROJECTORS, MONITORS AND COLUMN SPEAKERS

Maximum speech intelligibility
for every public ambience and for any
kind of application.



| MODEL | CFMDP4 | CFMBD42 | CFVDP1420EN | CFVBD2412EN | CFVDP5EN | CFVBD5EN |
|---------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| TYPE | Projector | Projector Bidirectional | Projector Allum. | Projector Bidir. | Projector | Projector Bidir. |
| INSTALLATION | Wall or Flush Mounted | Wall or Flush Mounted | Wall or Flush Mounted | Wall or Flush Mounted | Wall or Flush Mounted | Wall or Flush Mounted |
| COLOUR | Grey | Grey | Grey | Grey | Grey | White |
| SPEAKER | 5" | 2 x 5" | 5" | 2 x 5" | 5" | 2 x 5" |
| POWER NOM./PROGRAM | 10 W RMS / 20 W | 12 W RMS / 24 W | 20 W RMS / 40 W | 20 W RMS / 40 W | 20 W RMS / 40 W | 20 W RMS / 40 W |
| INPUT | 100 V | 100 V | 100 V, 70 V, | 100 V, 70 V, | 100 V, 70 V, | 100 V, 70 V, |
| FREQUENCY RESPONSE | 180 ÷ 16.000 Hz | 180 ÷ 16.000 Hz | 150 ÷ 20.000 Hz | 130 ÷ 20.000 Hz | 80 ÷ 20.000 Hz | 150 ÷ 18.000 Hz |
| MAX. SOUND PRESSURE | 101 dB | 102 dB | 104 dB | 102 dB | 101 dB | 99 dB |
| ANGLE OF COVERAGE | 130° | 130°* | 160° | 130°* | 160°* | 160°* |
| PROTECTION | IP 55 | IP 55 | IP 66 | IP 66 | IP 65 | IP 65 |



| MODEL | CFMCS3041 | CFMCS3082 | CFVCS6520EN | CFVCS6940EN |
|---------------------|--------------------------|--------------------------|------------------------|------------------------|
| TYPE | Column speaker two-way | Column speaker two-way | Column speaker two-way | Column speaker two-way |
| INSTALLATION | Wall | Wall | Wall | Wall |
| COLOUR | White | White | White | White |
| SPEAKER | 4 x 2" + 1" | 8 x 2" + 2 x 1" | 4 x 3.15" + 0.8" | 8 x 3.15" + 0.8" |
| POWER NOM./PROGRAM | 15 W RMS / 30 W | 30 W RMS / 60 W | 20 W RMS / 40 W | 40 W RMS / 80 W |
| INPUT | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V |
| FREQUENCY RESPONSE | 160 - 20.000 Hz (? 3 dB) | 180 - 20.000 Hz (? 3 dB) | 140 ÷ 20.000 Hz | 140 ÷ 20.000 Hz |
| MAX. SOUND PRESSURE | 105 dB (1 m / POWER MAX) | 111 dB (1 m / POWER MAX) | 105 dB | 109 dB |
| ANGLE OF COVERAGE | 180° (Horiz) 70° (Ver) | 180° (Horiz) 50° (Ver) | 180° (Horiz) 60° (Ver) | 180° (Horiz) 40° (Ver) |
| PROTECTION | IP 40 | IP 40 | IP 66 | IP 66 |



| MODEL | CFMMR33T | CFMMR44T | CFMMR55 | CFMMQ100L | CFMMQ90S |
|---------------------|-------------------------|-------------------------|-------------------------|-----------------------------|------------------|
| TYPE | Compact two-way | Compact two-way | Compact two-way | Column speaker Three-way | Subwoofer |
| INSTALLATION | Wall | Wall | Wall | Wall | Universal |
| COLOUR | White/Black | White/Black | White/Black | White/black | White/Black |
| SPEAKER | 4.75" + 0.5" | 5" + 0.5" | 5" + 0.75" | 2 x 3.5" + 2 x 3.5" + 0.75" | 8" |
| POWER NOM./PROGRAM | 40 W IEC | 60 W IEC | 175 W IEC | 80 W RMS / 160 W | 60 W RMS / 120 W |
| INPUT | 100 V, 70 V, 50 V, 25 V | 100 V, 70 V, 50 V, 25 V | 4 Ω | 100 V, 70 V | 100 V, 70 V |
| FREQUENCY RESPONSE | 160 ÷ 20.000 Hz | 150 ÷ 20.000 Hz | 150 ÷ 20.000 Hz | 130 ÷ 20.000 Hz | 70 ÷ 220 Hz |
| MAX. SOUND PRESSURE | 105 dB | 108 dB | 112 dB | 120 dB | 107 dB |
| ANGLE OF COVERAGE | 110° (Horiz) 100° (Ver) | 110° (Horiz) 100° (Ver) | 110° (Horiz) 100° (Ver) | 180° (Horiz) 60° (Ver) | - |
| PROTECTION | IP40 | IP40 | IP40 | IP40 | IP40 |



| MODEL | CFMMQ50 | CFMMQ60H | CFMMQ50C | CFMMQ50I | CFMMQ30P | CFMMQ80P |
|---------------------|------------------------|-------------------------|------------------|-------------------------|--------------------|-----------------------|
| TYPE | Compact two-way | Compact two-way | Ceiling two-way | Compact two-way | Compact two-way | Compact two-way |
| INSTALLATION | Wall | Wall | Ceiling | Flush mounted | Projector | Projector |
| COLOUR | White/Silver/Black | White/Silver/Black | White/Silver | White/Silver | White/Silver/Black | White/Silver/Black |
| SPEAKER | 5" + 0.75" | 5" + 2 x 1" | 5" + 1" | 5" + 0.75" | 3" + 0.75" | 5" + 1" |
| POWER NOM./PROGRAM | 60 W RMS / 120 W | 60 W RMS / 120 W | 60 W RMS / 120 W | 60 W RMS / 120 W | 12 W RMS / 24 W | 60 W RMS / 120 W |
| INPUT | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V | 100 V, 70 V |
| FREQUENCY RESPONSE | 70 ÷ 20.000 Hz | 100 ÷ 19.000 Hz | 70 ÷ 20.000 Hz | 180 ÷ 20.000 Hz | 150 ÷ 20.000 Hz | 100 ÷ 20.000 Hz |
| MAX. SOUND PRESSURE | 110dB | 109 dB | 112 dB | 108 dB | 102 dB | 115 dB |
| ANGLE OF COVERAGE | 120° (Horiz) 90° (Ver) | 180° (Horiz) 120° (Ver) | 120° | 120° (Horiz) 100° (Ver) | 120° | 90° (Horiz) 60° (Ver) |
| PROTECTION | IP40 | IP40 | IP40 | IP40 | IP40 | IP 55 |

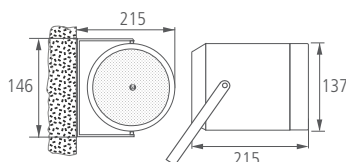
CFMDP4

INDOOR / OUTDOOR SOUND PROJECTOR • Ideal for paging and background music



1300 g

mm



- 5" (130 mm) diameter extended range twin-cone loudspeaker
- Built-in multi-tapped transformer for 100 V constant voltage connection
- Equipped with aluminium "U" bracket.
- Body in ABS grey RAL 7035 with metal grill. IP55 protection, suitable for outdoor use

SPECIFICATIONS

CFMDP4

| | |
|-------------------------|--------------------------|
| POWER | 10 - 5 - 2.5 W (100 V) |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 180 ÷ 16.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 91 dB |
| MAXIMUM SOUND PRESSURE | 101 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 130° |

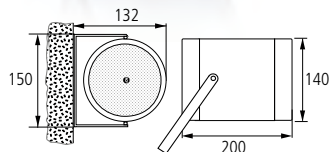
CFMBD42

INDOOR / OUTDOOR BIDIRECTIONAL SOUND PROJECTOR



1500 g

mm



- Ideal for train and underground stations, car parks, factories, warehouses, and PA systems
- Bidirectional sound projector with double loudspeaker, characterized by high acoustic performance, excellent design and compact dimensions
- 2 x 5" (130 mm) diameter extended range twin-cone loudspeaker
- Built-in multi-tapped transformer for 100 V constant voltage connection
- Equipped with aluminium "U" bracket.
- Body in ABS grey RAL 7035 with metal grill. IP55 protection, suitable for outdoor use

SPECIFICATIONS

CFMBD42

| | |
|-------------------------|-------------------------------|
| POWER | 12 - 6 - 3 W (100 V) |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 180 ÷ 16.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 91 dB |
| MAXIMUM SOUND PRESSURE | 102 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 130° (per single loudspeaker) |

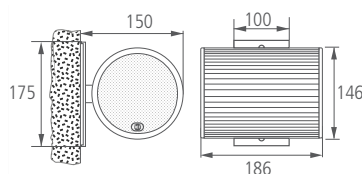
CFVBD2412EN

ALUMINIUM BIDIRECTIONAL SOUND PROJECTOR



3200 g

mm



- Bidirectional sound projector with double loudspeaker, characterized by high acoustic performance, excellent design and compact dimensions
- Complying with EN 54-24 standard thanks to ceramic termination block, thermal fuse and internal fire-resistant cable
- IP 55 protection, suitable for outdoor use
- It's ideal for train stations, underground stations, car parks, factories, warehouses, and PA systems in general

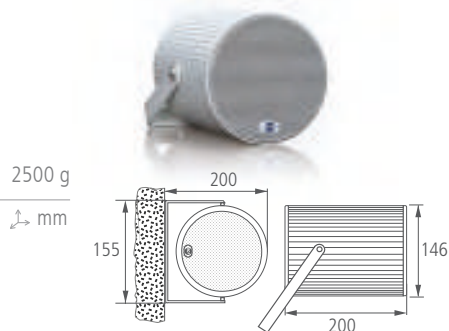
SPECIFICATIONS

BD2412EN

| | |
|-------------------------|---------------------------|
| POWER | 20-5-10 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 130 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 89 dB |
| MAXIMUM SOUND PRESSURE | 102 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 130° (SINGLE LOUDSPEAKER) |

CFVDP1420EN

ALUMINIUM SOUND PROJECTOR



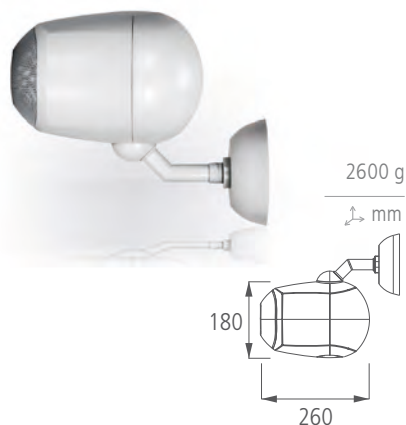
- Unidirectional sound projector characterized by high acoustic performance.
- Complying with EN 54-24 standard thanks to ceramic termination block, thermal fuse and internal fire-resistant cable
- IP 66 protection, suitable for outdoor use
- Ideal for train and underground stations, car parks, factories, warehouses, and PA systems

SPECIFICATIONS

| SPECIFICATIONS | CFVDP1420EN |
|-------------------------|-------------------------------|
| POWER | 20-10-5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 150 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 91 dB |
| MAXIMUM SOUND PRESSURE | 104 dB (1 m / POWER MAX) 2 |
| ANGLE OF COVERAGE | 160° |

CFVDP5EN

MONO DIRECTIONAL PROJECTOR EN54-24 COMPLIANT



- 20W rated power with a 5" Full range transducer
- ABS UL 94Vo auto-extinguish plastic body and front grille made of steel
- IP66 protection grade, so suitable for both indoors and outdoors applications
- 4 power taps
- Orientable support bracket
- Colour white RAL 9016

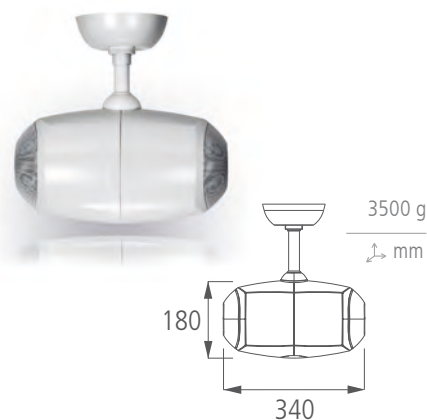


SPECIFICATIONS

| SPECIFICATIONS | CFVDP5EN |
|-------------------------|--|
| SELECTABLE POWER | 20 W – 10 W – 5 W – 2.5 W (100 V) W RMS |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 80 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 88 dB (1 W, 1 m), 76 dB (1 W, 4m) dB |
| MAXIMUM SOUND PRESSURE | 101 dB (20 W, 1 m), 89 dB (20 W, 4 m) dB |
| ANGLE OF COVERAGE | 160° |

CFVBD5EN

BIDIRECTIONAL PROJECTOR EN54-24 COMPLIANT



- 20W rated power with 2x5" Full range transducer
- ABS UL 94Vo auto-extinguish plastic body and front grille made of steel
- IP66 protection grade, so suitable for both indoors and outdoors applications
- 4 power taps
- Orientable support bracket
- Colour white RAL 9016



SPECIFICATIONS

| SPECIFICATIONS | CFVBD5EN |
|-------------------------|---|
| SELECTABLE POWER | 20 W – 10 W – 5 W – 2.5 W (100 V) W RMS |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 150 ÷ 18.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 86 dB (1 W, 1 m), 74 dB (1 W, 4m) dB |
| MAXIMUM SOUND PRESSURE | 99 dB (20 W, 1 m), 87 dB (20 W, 4 m) dB |
| ANGLE OF COVERAGE | 130° in both directions |

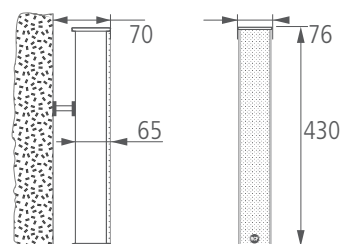
CFMCS3041

SLIM-LINE COLUMN SPEAKER



1700 g

mm



- Ideal for speech reproduction, shape designed to enable corner installation
- Four 50 mm (2") diameter extended range speakers and one tweeter 25 mm (1")
- Body in extruded aluminium bake-painted RAL 9016 White and front metal grille RAL 9016 White, includes accessory for wall mounting
- Built-in multi-tapped transformer (15 - 10 - 5 W) for 100 V constant voltage connection
- 16-ohm input that can be selected on the terminal block
- Audio connection on screw terminal block

SPECIFICATIONS

| | |
|-------------------------|----------------------------|
| POWER | 20 W - 15 W - 10 W |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 160 - 20.000 Hz (? 3 dB) |
| SENSITIVITY (1 m / 1 W) | 87 dB |
| MAXIMUM SOUND PRESSURE | 105 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 180° (HORIZ.); 70° (VERT.) |

CFMCS3041

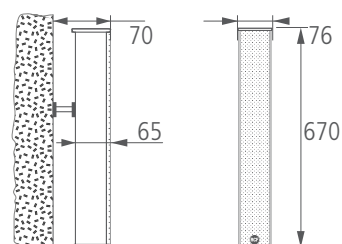
CFMCS3082

SLIM-LINE COLUMN SPEAKER



2700 g

mm



- Ideal for speech reproduction, shape designed to enable corner installation
- Eight 50 mm (2") diameter extended range speakers and two tweeter 25 mm (1")
- Body in extruded aluminium bake-painted RAL 9016 White and front metal grille RAL 9016 White, includes accessory for wall mounting
- Built-in multi-tapped transformer (30 - 20 - 10 W) for 100 V constant voltage connection
- 16-ohm input that can be selected on the terminal block
- Audio connection on screw terminal block

SPECIFICATIONS

| | |
|-------------------------|----------------------------|
| POWER | 30 W - 20 W - 10 W |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 180 - 20.000 Hz (? 3 dB) |
| SENSITIVITY (1 m / 1 W) | 90 dB |
| MAXIMUM SOUND PRESSURE | 111 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 180° (HORIZ.); 30° (VERT.) |

CFMCS3082

CFVCS6520EN

TWO-WAY COLUMN SPEAKER

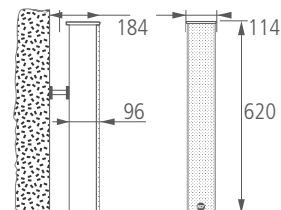


SPECIFICATIONS

| | |
|-------------------------|---------------------------------------|
| POWER | 20 - 10 - 5 - 2,5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 140 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 92 dB (1 W, 1 m) - 80 dB (1 W, 4 m) |
| MAXIMUM SOUND PRESSURE | 105 dB (20 W, 1 m), 93 dB (20 W, 4 m) |
| ANGLE OF COVERAGE | 185° (horiz.); 47° (vert.) |

4500 g

mm



- Ideal for speech reproduction with high intelligibility in acoustically difficult environments, both indoors and outdoors, also suitable for music
- Four 3" mid-woofer speakers and one central 20mm tweeter
- Weather-resistant construction IP 66 for use also outdoors, sturdy hinged support in resin, stainless steel fasteners
- Body in aluminium and front grille in steel bake-painted RAL 9003 White
- Articulated support for wall mounting included
- CS 6520 EN column speaker, EN 54-24 norm compliant

CFVCS6520EN

CFVCS6940EN

HIGH DIRECTIVITY TWO-WAY COLUMN SPEAKER

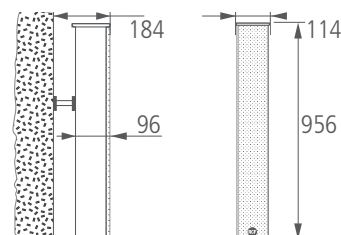


SPECIFICATIONS

| | |
|-------------------------|----------------------------|
| POWER | 40 - 20 - 10 - 5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 140 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 93 dB |
| MAXIMUM SOUND PRESSURE | 109 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 180° (HORIZ.); 40° (VERT.) |

7000 g

mm

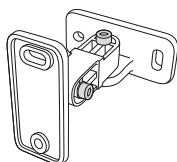


- Ideal for speech reproduction with high intelligibility in acoustically difficult environments, both indoors and outdoors, also suitable for music
- Eight 3" diameter speakers, one 20mm tweeter, filtered and connected for improved control of vertical dispersion
- Weather-resistant construction IP 66 for use also outdoors, sturdy hinged support in resin, stainless steel fasteners
- Body in aluminium and front grille in steel bake-painted RAL 9003 White
- Articulated support for wall mounting included

CFVCS6940EN

CFMACWMCS

COUPLE OF SWIVEL BRACKETS

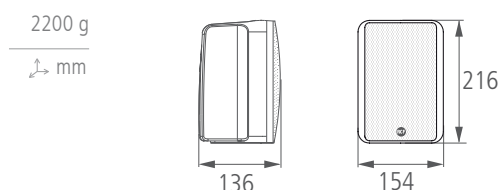


- Swivel brackets for the installation of CS 3041 and CS 3082 speakers

CFMMR33T CFMMR33WT

TWO-WAY COMPACT MONITOR SPEAKERS
WITH TRANSFORMER

EASYLINE
SOLUTIONS



- Ideal for high quality paging and music reproduction
- Low impedance (4Ω - 40W) or 100V operating mode
- Two-way system, woofer with carbon fiber cone, 0.5" tweeter in Mylar on constant directivity horn
- Built-in low inductance passive crossover, bass reflex @150Hz
- Orientable mounting accessory included
- Body in self-extinguishing composite material, UV resistant

SPECIFICATIONS

| | |
|-------------------------|---------------------------------|
| POWER | 20 - 10 - 5 - 2.5 - 1 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V, 50 V, 25 V |
| FREQUENCY RESPONSE | 160 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 88 dB |
| MAXIMUM SOUND PRESSURE | 105 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 110° (HORIZ.); 100° (VERT.) |

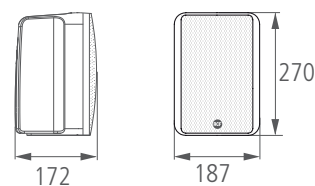
CFMMR33T

CFMMR44T CFMMR44WT

TWO-WAY MONITOR SPEAKERS
WITH TRANSFORMER



3600 g
mm



- Ideal for high quality paging and music reproduction
- Low impedance (4Ω - 60W) or 100V operating mode
- Transducers LF 5" - HF 0.5" constant directivity tweeter
- Built-in low inductance passive crossover with high frequency dynamic protection, bass reflex @65Hz
- Body in self-extinguishing plastic
- Includes hinged support for installation

SPECIFICATIONS

| | |
|-------------------------|---------------------------------|
| POWER | 40 - 30 - 20 - 10 - 5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V, 50 V, 25 V |
| FREQUENCY RESPONSE | 150 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 89 dB |
| MAXIMUM SOUND PRESSURE | 108 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 110° (HORIZ.); 100° (VERT.) |

MONITOR 44T

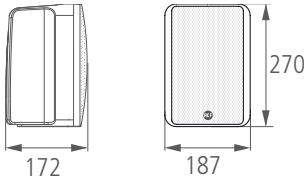
CFMMR55 CFMMR55W

TWO-WAY HIGH DEFINITION
MONITOR SPEAKERS



3900 g

mm



- Ideal for high quality paging and music reproduction
- Transducers LF 5" - HF 0.75" constant directivity tweeter
- Built-in low inductance passive crossover with high frequency dynamic protection, bass reflex @65Hz
- Body in self-extinguishing plastic
- Includes hinged support for installation

SPECIFICATIONS

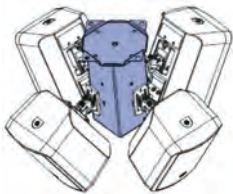
| | |
|-------------------------|-------------------------------|
| NOMINAL POWER | 175 W (IEC268-1) |
| SPEAKER IMPEDANCE | 4 Ω |
| FREQUENCY RESPONSE | 100 ÷ 19.000 Hz (\pm 3 dB) |
| SENSITIVITY (1 m / 1 W) | 87 dB |
| MAXIMUM SOUND PRESSURE | 112dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 110° (HORIZ.); 100° (VERT.) |

MONITOR 55

CFMMA4X

ACCESSORIES

Wall mounting bracket for up to 4 Monitor Series cabinets models CFMMR33T - CFMMR44T - MR55 in cluster installations.



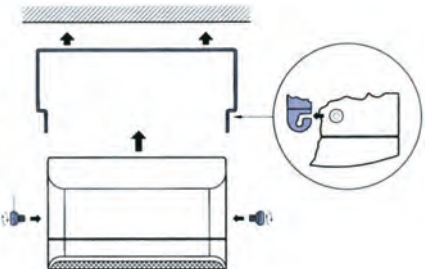
CFMMA3B CFMMA3W

WALL MOUNT BRACKET

CFMMA5B CFMMA5W

WALL MOUNT BRACKET

Bracket for mounting one CFMMR33T speaker on the wall



Bracket for mounting one Monitor 44T or 55 series speaker on the wall

CFMMQ30P

MINIATURE TWO-WAY COAXIAL
SPEAKER



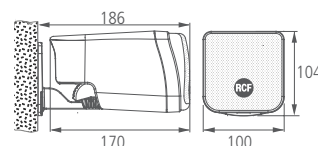
SPECIFICATIONS

| | |
|-------------------------|--------------------------|
| POWER | 12 - 6 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 150 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 88 dB |
| MAXIMUM SOUND PRESSURE | 102 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 120° |

1100 g

↕ mm

Monitor
series



- Orientable mini-speaker for high quality reproduction
- Two way coaxial speaker: LF 3.5" - tweeter 0.75" dome
- Constant voltage: 70.7 - 100 V
- Impedance: [Bypass] 16 Ω
- Crossover frequencies: 5400 Hz, 6/6 dB/oct
- Built-in High-Pass filter at 150 Hz for integration with a subwoofer
- Cabinet: Hi-density polystyrene HB grade
- Connectors: Euroblock, removable for easy installation

CFMMQ30P

CFMMQ80P

TWO-WAY INDOOR / OUTDOOR
MONITOR



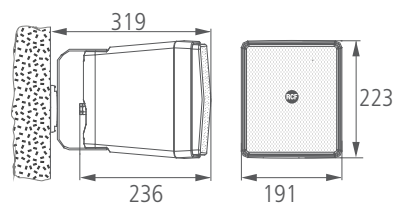
SPECIFICATIONS

| | |
|-------------------------|----------------------------|
| POWER | 30 - 20 - 10 - 5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 100 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 94 dB |
| MAXIMUM SOUND PRESSURE | 115 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 90° (HORIZ.); 60° (VERT.) |

3000 g

↕ mm

Monitor
series



- Speaker: woofer 5" horn-loaded, 1" horn-loaded compression driver with phase-plug loaded on CD horn
- Impedance: [Bypass] 8 Ω
- [70.7V]: 15W - 10W - 5W - 2.5W
- Tuning frequency: 100 Hz
- Crossover frequency: 3000 Hz Crossover: Notch/6 dB/oct
- Cabinet: self-extinguishing high-density polystyrene, UV stabilized
- IP 55, suitable for outdoor use
- Suitable for cluster installation (2x, 3x) for a wide and uniform coverage

CFMMQ80P

CFMMQ50

TWO-WAY MONITOR

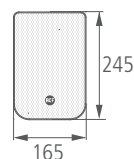
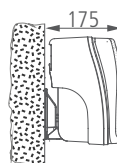


SPECIFICATIONS

| | |
|-------------------------|----------------------------|
| POWER | 30 - 20 - 10 - 5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 70 ÷ 20.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 89 dB |
| MAXIMUM SOUND PRESSURE | 110 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 120° (HORIZ.); 90° (VERT.) |

2600 g

mm



- Two way Bass reflex speaker for music reproduction
- Speaker: woofer 5" - tweeter 0.75" dome
- Impedance: [Bypass] 16 Ω
- Crossover frequencies: 4500 Hz, 12/12 dB/oct
- Protection: Dynamic on woofer and tweeter
- Cabinet: Hi-density polystyrene HB grade
- Connectors: Euroblock, removable for easy installation

CFMMQ50

CFMMQ60H

WIDE DISPERSION CONSTANT DIRECTIVITY MONITOR

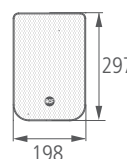


SPECIFICATIONS

| | |
|-------------------------|-----------------------------|
| POWER | 30 - 20 - 10 - 5 W (100 V) |
| CONSTANT VOLTAGE | 100 V, 70 V |
| FREQUENCY RESPONSE | 100 ÷ 19.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 88 dB |
| MAXIMUM SOUND PRESSURE | 109 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 180° (HORIZ.); 120° (VERT.) |

2800 g

mm



- Two way Bass reflex speaker for music reproduction
- Speaker: woofer 5" - tweeter 2 x 1" dome
- Impedance: [Bypass] 16 Ω
- Line transformer [100V]: 30W - 20W - 10W - 5W - [70.7V]: 15W - 10W - 5W - 2.5W
- Crossover frequencies: 2600 Hz. Crossover: 12/12 dB/oct
- Protection: Dynamic on woofer and tweeter
- Cabinet: Hi-density polystyrene HB grade
- Connectors: Euroblock, removable for easy installation

CFMMQ60H

CFMMQ60HLink W

CFMMQ60HLink B

ACCESSORIES



- CFMMQ60HLINK accessories, available in black or White can be used to support 2 CFMMQ60H speakers to form an Omni directional high quality speaker array (360°) dispersion over a horizontal surface which is controlled over a vertical surface.
- CFMMQ60H Link is made in fibre-glass loaded nylon and it is provided with the slide-in supports for the direct mounting of the two CFMMQ60H speaker systems.
- Central fixing ring for the safe suspension of the speaker assembly through a chain or a steel-wire.

CFMMQ50C

TWO-WAY CEILING MONITOR
SPEAKER

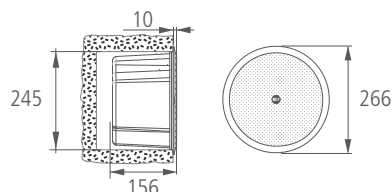


SPECIFICATIONS

| |
|-------------------------|
| POWER |
| CONSTANT VOLTAGE |
| FREQUENCY RESPONSE |
| SENSITIVITY (1 m / 1 W) |
| MAXIMUM SOUND PRESSURE |
| ANGLE OF COVERAGE |

2200 g

mm



Monitor
series

- Two way bass reflex ceiling speaker for music reproduction
- Speaker: woofer 5" neodymium magnet, tweeter 1" dome neodymium magnet
- Impedance: [Bypass] 16 Ω
- [70.7V]: 15W - 10W - 5W - 2.5 W
- Crossover frequencies: 3000 Hz, 12/12 dB/oct - High pass filter at 150 Hz
- Angle of coverage: 120° horizontal x 120° vertical
- Cabinet: Plastic material self-extinguishing, Tuned Alu-dome
- Connectors: Euroblock, removable for easy installation

CFMMQ50C

| |
|------------------------------|
| 30 - 20 - 10 - 5 W (100 V) |
| 100 V, 70 V |
| 70 ÷ 20.000 Hz (\pm 3 dB) |
| 92 dB |
| 112 dB (1 m / POWER MAX) |
| 120° |

CFMMQ50i

TWO-WAY IN WALL SPEAKER

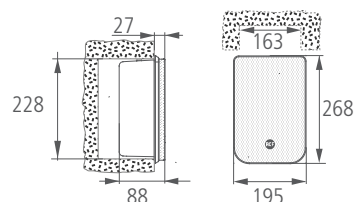


SPECIFICATIONS

| |
|-------------------------|
| POWER |
| CONSTANT VOLTAGE |
| FREQUENCY RESPONSE |
| SENSITIVITY (1 m / 1 W) |
| MAXIMUM SOUND PRESSURE |
| ANGLE OF COVERAGE |

3000 g

mm



Monitor
series

- In-wall speaker system for music reproduction
- Two way bass reflex construction for flush mount
- Speaker: woofer 5" neodymium magnet, 0.75" dome tweeter
- Impedance: [Bypass] 16 Ω
- [70.7V]: 15W - 10W - 5W - 2.5 W
- Crossover frequency: 3000 Hz, 12/12 dB/oct
- Cabinet: Plastic material self-extinguishing, Tuned Alu-dome
- Connectors: Euroblock
- Suitable for standard Multibox enclosure, 2 modules

CFMMQ50i

| |
|-------------------------------|
| 30 - 20 - 10 - 5 W (100 V) |
| 100 V, 70 V |
| 180 ÷ 20.000 Hz (\pm 3 dB) |
| 90 dB |
| 108 dB (1 m / POWER MAX) |
| 120° (HORIZ.); 100° (VERT.) |

CFMMQ90SB

8" BAND PASS SUBWOOFER

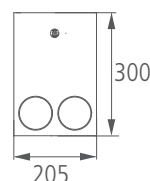
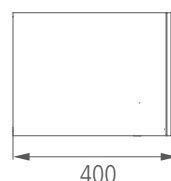


SPECIFICATIONS

| |
|-------------------------|
| POWER |
| CONSTANT VOLTAGE |
| FREQUENCY RESPONSE |
| SENSITIVITY (1 m / 1 W) |
| MAXIMUM SOUND PRESSURE |
| CONNECTORS |

8000 g

mm



- Compact band-pass 8" subwoofer, especially designed to be used with MonitorQ series speakers
- Well suitable also for other RCF speakers such as CFMPL40, CFMPL6X, CFMDU100X, CFMDP2X
- The cabinet material is PVC covered with a scratch resistant surface and Painted Front Medium density
- Built-in multi-tapped transformer (60 – 30 – 7.5 W) for 100 V constant voltage connection
- 16-ohm input that can be selected by switch with MAX power 160 W / 80 W Bypass
- Internal Crossover filter at 200 Hz frequency 12 dB/oct
- As the subwoofer range is non-directional, the unit can be installed in a semi-hidden position
- Connection through a removable Euroblock plug that allows the parallel connection of other loudspeakers.

CFMMQ90S

| |
|------------------------------|
| 60 - 30 - 15 - 7.5 W (100 V) |
| 100 V, 70 V |
| 70 - 220 Hz (± 10 dB) |
| 89 dB |
| 107 dB (1 m / POWER MAX) |
| EUROBLOCK |

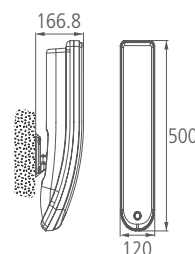
CFMMQ100LW
CFMMQ100LB

3 WAYS COLUMN LOUDSPEAKER



3000 g

mm



- 3 way column array speaker system providing natural high intelligibility hi-fidelity sound of both speech and music
- Body is made of self-extinguishing (HB level) high density polystyrene
- The wide horizontal coverage angle (180°) and the 60° asymmetrical vertical dispersion allow the correct sound reproduction and feedback reduction
- CFMMQ100L is equipped with: 2 rubber surround 3.5" woofers, 2 fabric surround 3.5" mid-woofers, 2 cloth coated 0.75" dome tweeters
- Mounting accessories are included. These have been studied to keep the column as close as possible to the wall and simplify its installation
- The pre-oriented vertical acoustic axis allows to cover already the majority of the installations.
- Provided with accessories to orient the speaker down of extra 5° and 10°
- Built-in multi-tapped transformer (40 – 20 – 10 -5 W) for 100 V constant voltage connection
- 16-ohm input that can be selected by switch with MAX power 60 W

SPECIFICATIONS

| |
|-------------------------|
| POWER |
| CONSTANT VOLTAGE |
| FREQUENCY RESPONSE |
| SENSITIVITY (1 m / 1 W) |
| MAXIMUM SOUND PRESSURE |
| ANGLE OF COVERAGE |

CFMMQ100LW - CFMMQ100LB

| |
|-------------------------------|
| 120 - 60 W (100 V) |
| 100 V, 70 V |
| 130 - 20.000 Hz (± 3 dB) |
| 93 dB |
| 120 dB (1 m / POWER MAX) |
| 180° (HORIZ.); 60° (VERT.) |

HORN SPEAKERS

Designed to be weather resistant and to withstand high sound pressure levels outdoor or in large environments.



| MODEL | CFVHD21EN | CFMHD216ST | CFMHD1110 | CFVHD31EN | CFVHD6045EN |
|---------------------|-------------------------|---------------------|-----------------|------------------|-----------------------|
| TYPE | Round | Round | Round | Round | Rectangular |
| MATERIAL | ABS | Die-Cast Aluminium | ABS | ABS | Fiberglass |
| POWER NOM./PROGRAM | 30 W RMS | 20 W RMS / 30 W | 20 W RMS / 30 W | 30 W RMS | 200 W RMS |
| INPUT | 100 V - 70 V | 100 V - 70 V - 25 V | 8 Ω | 100 V - 70V | 100 V - 70 V - 25 V |
| FREQUENCY RESPONSE | 340 Hz ÷ 9 kHz | 350 ÷ 15.000 Hz | 900 ÷ 13.000 Hz | 400 Hz ~ 7.5k Hz | 200 ÷ 10.000 Hz |
| MAX. SOUND PRESSURE | 119dB | 123dB | 116 dB | 125 dB | 139 dB |
| ANGLE OF COVERAGE | 210° - 135° - 70° - 40° | 80° | 180° | 95° | 60° (Horiz) 50° (Ver) |
| PROTECTION / NORM | IP 66 | IP 55 | IP 65 | IP 66 | IP 65 |



| MODEL | CFMHD210TY | CFMHD310T | CFMHD410T | CFMHD3216T |
|---------------------|-----------------|-----------------|----------------|------------------------|
| TYPE | Round | Round | Round | Rectangular |
| MATERIAL | Aluminium | Aluminium | Aluminium | ABS |
| POWER NOM./PROGRAM | 20 W RMS / 30 W | 30 W RMS / 45 W | 50 W RMS / 75W | 25 W RMS / 38 W |
| INPUT | 100 V - 70 V | 100 V - 70 V | 100 V - 70 V | 100 V - 70 V |
| FREQUENCY RESPONSE | 300 ÷ 9.000 Hz | 240 ÷ 10.000 Hz | 180 ÷ 7.000 Hz | 250 ÷ 10.000 Hz |
| MAX. SOUND PRESSURE | 121 dB | 123 dB | 130 dB | 122 dB |
| ANGLE OF COVERAGE | 70° | 80° | 80° | 60° (Horiz) 130° (Ver) |
| PROTECTION | IP 66 | IP 66 | IP 66 | IP 66 |

CFVHD21EN

PLASTIC HORN SPEAKER WITH DRIVER

2050 g

↕ Ø 211 x 280 mm



- Compact speaker with 30 W driver in compliance with EN 54-24
- Rear cover in UV stabilised self-extinguishing ABS
- Suitable for indoor and outdoor use (thanks to IP 66 protection)
- Transformer for 100 V (/ 70 V) constant voltage connection
- Thermal fuse to protect the audio line from heat
- Ceramic terminals for linking input and output cable
- Swiveling bracket included
- Color: light gray

| SPECIFICATIONS | CFVHD21EN |
|------------------------|---|
| NOMINAL POWER (MAX) | 30 W RMS |
| SELECTABLE POWER | 30 - 15 - 7,5 - 3,75 W (100 V) / 15 - 7,5 - 3,75 - 1,875 W (70 V) |
| INPUT IMPEDANCE | 333 Ω (30 W-100 V / 15 W-70 V) 667 Ω (15 W-100 V / 7,5 W-70 V) 1,33 kΩ (7,5 W-100 V / 3,75 W-70 V) 2,67 kΩ (3,75 W-100 V / 1,875 W-70 V) |
| FREQUENCY RESPONSE | 340 Hz ÷ 9 kHz |
| SENSITIVITY | 104 dB (1 W / 1 m), 92 dB (1 W / 4 m) |
| COVERAGE ANGLE (-6 dB) | 210° (500 Hz), 135° (1 kHz), 70° (2 kHz), 40° (4 kHz) |
| SOUND PRESSURE (MAX) | 119 dB (30 W, 1 m), 107 dB (30 W, 4 m) |

CFMHD3216

PLASTIC HORN SPEAKER WITH DRIVER

2100 g

↕ 310 x 165 x 290 mm



- IP 66 double isolation; for temperatures between -25°C and +70°C
- UV-stabilized autoextinguishing UL-HB ABS plastic.
- Hi-pass filter for protecting driver against out-of-range low-freq.
- Color: RAL 7035 (platinum grey)
- Stainless-Steel mounting hardware

| SPECIFICATIONS | CFMHD3216 |
|------------------------|---------------------------|
| NOMINAL POWER (MAX) | 25 W RMS / 38 W |
| SELECTABLE POWER | - |
| INPUT IMPEDANCE | 8 Ω |
| FREQUENCY RESPONSE | 250 ÷ 10.000 Hz (± 3 dB) |
| SENSITIVITY | 106 dB |
| COVERAGE ANGLE (-6 dB) | 60° (HORIZ.); 50° (VERT.) |
| SOUND PRESSURE (MAX) | 122 dB (1 m / POT. MAX) |

CFMHD3216T

COMPACT HORN SPEAKER

2500 g

↕ 310 x 165 x 320 mm



- Compact speaker with high directivity and efficiency for intelligible speech reproduction
- Driver impedance 8 Ω
- Selector accessible on rear cover
- IP 66 double insulation construction for temperatures between -25°C and +70°C
- High-pass filter for protection of the driver against low frequencies out of range
- Body in UV stabilised self-extinguishing ABS, RAL 7035 grey
- Stainless steel attachment bracket included

| SPECIFICATIONS | CFMHD3216T |
|-------------------------|---------------------------|
| POWER | 25 W RMS – 38 W MAX |
| CONSTANT VOLTAGE | 25-20-15-10-5 W |
| FREQUENCY RESPONSE | 100 V; 70V |
| SENSITIVITY (1 m / 1 W) | 250 ÷ 10.000 Hz (± 3 dB) |
| MAXIMUM SOUND PRESSURE | 106 dB |
| ANGLE OF COVERAGE | 60° (HORIZ.); 50° (VERT.) |

CFMHD210TY

ALUMINIUM HORN SPEAKER WITH DRIVER

2200 g

↕ Ø 212 x 290 mm



- Compact speaker with high directivity and efficiency for intelligible speech reproduction
- IP 66 double insulation construction, suitable for outdoor use for temperature between -25°C and +70°C
- High-pass filter for protection of the driver against low frequencies out of range
- Driver impedance 8 Ω
- Rear cover in UV stabilised self-extinguishing ABS, RAL 7035 grey
- Stainless steel attachment bracket included

SPECIFICATIONS

CFMHD210TY

| | |
|-------------------------|-----------------------------|
| POWER | 20 - 10 - 5 - 2.5 W (100 V) |
| CONSTANT VOLTAGE | 100 V; 70 V |
| FREQUENCY RESPONSE | 300 ÷ 9.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 108 dB |
| MAXIMUM SOUND PRESSURE | 121 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 70° (HORIZ. AND VERT.) |

CFMHD310T

ALUMINIUM HORN SPEAKER WITH DRIVER

3100 g

↕ Ø 310 x 315 mm



- High efficiency speaker ideal for speech reproduction
- Weather-resistant construction IP 66 Rating, suitable for outdoor use for temperatures between -25°C and +70°C
- High-pass filter for protection of the driver against low frequencies out of range
- Driver impedance 8 Ω
- Stainless steel attachment bracket included
- Rear cover in UV stabilised self-extinguishing ABS, RAL 7035 grey

SPECIFICATIONS

CFMHD310T

| | |
|-------------------------|---------------------------------|
| POWER | 30 - 20 - 15 - 10 - 5 W (100 V) |
| CONSTANT VOLTAGE | 100 V; 70 V |
| FREQUENCY RESPONSE | 240 ÷ 10.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 108 dB |
| MAXIMUM SOUND PRESSURE | 123 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 80° (HORIZ. AND VERT.) |

CFMHD410T

ALUMINIUM HORN SPEAKER WITH DRIVER AND TRANSFORMER

4100 g

↕ Ø 410 x 385 mm



- High efficiency speaker ideal for speech reproduction
- Weather-resistant construction IP 66 Rating, suitable for outdoor use for temperatures between -25°C and +70°C
- High-pass filter for protection of the driver against low frequencies out of range
- Driver impedance 16 Ω
- Stainless steel attachment bracket included
- Rear cover in UV stabilised self-extinguishing ABS, RAL 7035 grey

SPECIFICATIONS

CFMHD410T

| | |
|-------------------------|-----------------------------|
| POWER | 50 - 30 - 25 - 15 W (100 V) |
| CONSTANT VOLTAGE | 100 V; 70 V |
| FREQUENCY RESPONSE | 180 ÷ 7.000 Hz (± 3 dB) |
| SENSITIVITY (1 m / 1 W) | 112 dB |
| MAXIMUM SOUND PRESSURE | 130 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 80° (HORIZ. AND VERT.) |

CFMHD1110

HORN SPEAKERS WITH
DYNAMIC DRIVER UNIT



- For alarm and paging systems in places with a high level of background noise
- High-pass filter for protection of the driver against low frequencies out of range
- Body in plastic, RAL 7035 grey
- Suitable for outdoor use
- Attachment steel bracket included

SPECIFICATIONS

CFMHD1110

| | |
|-------------------------|------------------------------------|
| POWER | 20 W RMS - 30 W MAX |
| SPEAKER IMPEDANCE | 8 Ω |
| FREQUENCY RESPONSE | 900 \div 13.000 Hz (\pm 3 dB) |
| SENSITIVITY (1 m / 1 W) | 101 dB |
| MAXIMUM SOUND PRESSURE | 116 dB (1 m / POWER MAX) |
| ANGLE OF COVERAGE | 180° (HORIZ. AND VERT.) |

CFVHD6045EN

LONG-THROW MULTI CELL
HORN SPEAKER



- High power, efficiency and directivity for intelligible speech reproduction
- Sturdy construction, suitable for outdoor use in harsh weather conditions
- Body in fibreglass, RAL 9003 grey
- Attachment bracket included

SPECIFICATIONS

HD 6045 EN

| | |
|-------------------------|------------------------------------|
| POWER | 200 W RMS |
| CONSTANT VOLTAGE | 100 V |
| FREQUENCY RESPONSE | 200 \div 12.000 Hz (\pm 3 dB) |
| SENSITIVITY (1 m / 1 W) | 110 dB |
| MAXIMUM SOUND PRESSURE | 139 dB |
| ANGLE OF COVERAGE | 60° (HORIZ.); 50° (VERT.) |



CFMD5076

DRIVER UNIT

- Musical power/RMS: 75/50W
- 1 3/8" W - 18 N threaded horn attachment
- Pressure die-cast compression chamber
- Driver impedance 16 Ω
- Dimensions \varnothing 98 x 75 mm, weight 1.7 Kg
- Optional TD 507 line transformer



CFMTD507

50 V MULTI-TAPPED TRANSFORMER

- 50V Multi-tapped line transformer
- Suitable for connecting the D 5076 driver to 100/70V constant voltage lines
- Output power can be selected from four different values: 50-25-12-6W



ATTENUATORS, AUDIO TRANSFORMERS AND ACCESSORIES

To adjust the settings of the audio system according to any needs.



ATTENUATORS (SWITCHERS)

- The volume control is made of a control circuit having a 6 position (5 + off) selector and a separated transformer
- Installed on whichever supporting frame for home / office electrical systems by drilling a hole in a blank key and fixing its control circuit
- 3 knobs are included in 3 different colours: white, silver, anthracite
- The maximum depth of the volume control circuits are measured between the inner side of the front panel

CFMIM2220

PORTABLE IMPEDANCE TESTER



- The CFMIM2220 is a portable instrument, easy to use for measuring the impedance of the constant voltage speaker lines or of a single loudspeaker.
- The test range is quite wide thanks to the three measure fields (20 Ohm, 200 Ohm, 2000 Ohm). It is suitable for both commercial audio and domestic use.
- The CFMIM2220 is easy to use, comfortable and safe, thanks to the large control knob, to the large display and the high insulation.
- Meets IEC-1010 (EN 61010); CAT III 100V
- Display 3 1/2 digit LCD
- Data HOLD indication
- Automatic switch-off of the pilot tone after 20s unless the LOCK key is pressed
- Automatic switch-off of the device after 15 minutes without being used

SPECIFICATIONS

SIGNAL TEST FREQUENCY

ACCURACY

ALTITUDE

OPERATING TEMPERATURE

POWER SUPPLY

DIMENSIONS

WEIGHT

CFMIM2220

1 kHz

± 2%

2000 m (~ 6500 ft)

0 ÷ 40°C (32 ÷ 104 °F)

9 V c.c (6 x 1.5 V AA, ALCALINE)

168 x 110 x 62 mm

0.5 Kg

CFMAT10Z CONSTANT IMPEDANCE ATTENUATOR



- Constant impedance attenuator for speakers with minimum impedance 4 Ω
- Universal mounting on any standard European electrical wall plate.
- 5 selectable positions + OFF volume control

SPECIFICATIONS

| IN/OUT IMPEDANCE | CFMAT10Z |
|------------------|---|
| MAX. POWER | 4 Ω |
| ATTENUATION | 10 W |
| MAX. DEPTH | 0 dB - 6 dB - 12 dB - 18 dB - 24 dB - OFF |
| | 50 mm |

CFMAT20T 20 W / 100 V TRANSFORMER ATTENUATOR



- Attenuator for constant voltage systems, max 20W
- Universal mounting on any standard European electrical wall plate.
- 5 selectable positions + OFF volume control
- Bypass relay or 3-wire control system for alarm/evac applications

SPECIFICATIONS

| INPUT VOLTAGE | CFMAT20T |
|---------------|---|
| MAX. POWER | 100 V |
| ATTENUATION | 20 W |
| MAX. DEPTH | 0 dB - 3 dB - 6 dB - 9 dB - 12 dB - OFF |
| | 50 mm |

CFMAT40T 40 W / 100 V TRANSFORMER ATTENUATOR



- Attenuator for constant voltage systems, max 20W
- Universal mounting on any standard European electrical wall plate.
- 5 selectable positions + OFF volume control
- Bypass relay or 3-wire control system for alarm/evac applications

SPECIFICATIONS

| INPUT VOLTAGE | CFMAT40T |
|---------------|---|
| MAX. POWER | 100 V |
| ATTENUATION | 40 W |
| MAX. DEPTH | 0 dB - 3 dB - 6 dB - 9 dB - 12 dB - OFF |
| | 58 mm |

CFMCT61 6 POSITION 1 WAY ROTARY SWITCHER



- 5 selectable position + OFF volume control
- To be used with CFMTL128 autotransformer
- Bypass relay or 3-wire control system for alarm/evac applications

SPECIFICATIONS

| INPUT VOLTAGE | CFMCT61 |
|---------------|---------|
| MAX. POWER | 100 V |
| MAX. DEPTH | 120 W |
| | 58 mm |

CFMTL128 120 W LINE TRANSFORMER

1140 g

68 x 72 x 85 mm



- The CFMTL128 transformer can be used in audio systems with constant voltage lines (usually 100 or 70V) to regulate the power of one or more acoustic speakers that have line transformers with a combined power of a maximum of 120 W
- It can be combined with a switch (up to 8 positions), in order to form a volume control that fades at 3 dB intervals

SPECIFICATIONS

| INPUT VOLTAGE | CFMTL128 |
|------------------------|--|
| MAX. POWER | 100 - 70 - 50 - 35 - 25 - 18 - 12 V |
| MINIMUM LOAD IMPEDANCE | 120 W |
| FREQUENCY RESPONSE | 83.3 - 41.7 - 20.8 - 10.4 - 5.2 - 2.6 - 1.3 Ω |
| | 60 ; 18.000 Hz (\pm 3 dB) |

CFMCP52 5 POSITION 2 WAY ROTARY SWITCHER



- 5 Line selector for 100V system, load max 120W
- Bypass relay for emergency calls on line 1

SPECIFICATIONS

| MAX INPUT VOLTAGE | CFMCP52 |
|-------------------|---------|
| MAX. POWER | 100 V |
| MAX. DEPTH | 120 W |
| | 58 mm |

UNIVERSAL LINE TRANSFORMERS

- High quality transformers suitable to connect loudspeakers with 4-8 Ω impedance (TD 105 excluded) to constant voltage lines (70-100V). It's possible to select different power values choosing different outputs.
- Thanks to material over-sizing and alternate layer windings, they offer high performance: dynamics and frequency response are particularly extended. They are suitable to drive professional speakers through constant voltage power amplifiers (TD 105 excluded)

CFMTD10 10 W UNIVERSAL LINE TRANSFORMER



SPECIFICATIONS

OUTPUT POWER 4 Ω

OUTPUT POWER 8 Ω

FREQUENCY RESPONSE

DIMENSIONS

WEIGHT

CFMTD10

1.2 - 2.5 - 5 - 10 W

0.6 - 1.2 - 2.5 - 5 - 10 W

50÷18'000 Hz

86 x 53 x 59 mm

500 g

CFMTD30 30 W UNIVERSAL LINE TRANSFORMER



SPECIFICATIONS

OUTPUT POWER 4 Ω

OUTPUT POWER 8 Ω

FREQUENCY RESPONSE

DIMENSIONS

WEIGHT

CFMTD30

15 - 30 W

7.5 - 15 - 30 W

50÷18'000 Hz

87 x 53 x 68 mm

700 g

CFMTD60 60 W UNIVERSAL LINE TRANSFORMER



SPECIFICATIONS

OUTPUT POWER 4 Ω

OUTPUT POWER 8 Ω

FREQUENCY RESPONSE

DIMENSIONS

WEIGHT

CFMTD60

15 - 30 - 60 W

7.5 - 15 - 30 - 60 W

50÷18'000 Hz

77 x 77 x 79 mm

1200 g

CFMTD120 120 W UNIVERSAL LINE TRANSFORMER



SPECIFICATIONS

OUTPUT POWER 4 Ω

OUTPUT POWER 8 Ω

FREQUENCY RESPONSE

DIMENSIONS

WEIGHT

CFMTD120

30 - 60 - 120 W

15 - 30 - 60 - 120 W

50÷18'000 Hz

85 x 85 x 90 mm

1900 g

CFMTD240 240 W UNIVERSAL LINE TRANSFORMER



SPECIFICATIONS

OUTPUT POWER 4 Ω

OUTPUT POWER 8 Ω

FREQUENCY RESPONSE

DIMENSIONS

WEIGHT

CFMTD240

60 - 120 - 240 W

30 - 60 - 120 - 240 W

50÷18'000 Hz

98 x 89 x 100 mm

3100 g

MOBILE AMPLIFICATION

Portable systems for all the situations in which mobility is important.



CFMMG90 10W MEGAPHONE



- Extra strong plastic material, highly resistant to dust and humidity
- High intelligibility and speech clarity thanks to the microphone optimization.
- Built-in amplifier and dynamic unit
- Designed to be used even in critical situations
- 500 meters indicative range
- Activating button and volume located on the megaphone grip
- Power supply: 6 "AA" batteries (not included)
- Black body and grip, transparent pavilion

SPECIFICATIONS

NOMINAL POWER

POWER SUPPLY

TIME OF USE

BEAM OF USE

DIMENSIONS

WEIGHT

CFMMG90

10 W

6 AA Batteries (UM-3) (9V DC)

10 ore (talking)

0.45 Km (quiet ambient), 0.25 Km (city)

185 mm / 310 mm (diameter)

0,9 Kg (without batteries)

RACK COMPONENTS

For the optimum management of the system configurations.



| MODEL | CFMCR2609 | CFMCR2615 | CFMCR2615FV | CFMCR2628 | CFMCR2642 |
|---------------------------|--------------------------|------------------------------|------------------------------|-----------------------|-----------------------|
| TYPE | 9 U | 15 U | 15 U | 28 U | 42 U |
| BASE DIMENSIONS | 600 x 500 mm | 600 x 600 mm | 600 x 600 mm | 600 x 600 mm | 600 x 600 mm |
| HEIGHT | 470 mm | 800 mm | 800 mm | 1600 mm | 2000 mm |
| WEIGHT | 24 Kg | 26 Kg | 30 Kg | 54 Kg | 68 Kg |
| MAX LOAD | 25 Kg | 105 Kg | 100 Kg | 320 Kg | 350 Kg |
| VENTILATION | Side natural ventilation | - | Thermostat controlled | Thermostat controlled | Thermostat controlled |
| Thermal Dissipation 25 °C | 100 W | 230 W | 3130 W | 3280 W | 3320 W |
| Thermal Dissipation 35 °C | 150 W | 140 W | 3130 W | 2160 W | 2180 W |
| INCLUDED ACCESSORIES | - | 4 wheels with braking system | 4 wheels with braking system | - | - |
| MODEL DOOR | (included) | CFMAK2615 | CFMAK2615 | CFMAK2628 | CFMAK2642 |

CFMCR2600

RACK ENCLOSURES



- The CR 2600 series rack enclosures are designed to hold all RCF 19" rack standard components.
- They are constructed in compliance with the IEC 297-2 dimensional standard, and the depth is 600 mm for all models.
- The structure is made of steel painted RAL 7035 light grey. The rack enclosures are bake-painted at high temperature using epoxy powders to make the structure unalterable over time and resistant to scratching, abrasion, and atmospheric agents.
- The protection level is IP 30. The CFMCR2600 SERIES rack enclosures are composed of a basic structure that is assembled simply and quickly by fitting and securing four steel uprights to the upper and lower panels.
- The lower door and side panels are fitted following the wiring operations to facilitate the insertion and connection of the components. The lower panel, which forms the base of the rack, has openings for the passage of external connection cables (speaker lines, power supply, data, etc.) that are sized and shaped to guarantee the electrical safety of the structure. The earthing of the rack complies with current safety regulations.
- For the optimisation of the internal wiring, supports are supplied to gather the cable and attach them in an orderly fashion. The packing materials can be reused for transport the enclosure once it has been wired.
- Front doors are also available, which are useful for to protect the components installed in the rack.

CFMCR2609

9 UNITS RACK ENCLOSURE STANDARD
19" WITH TRANSPARENT DOOR



- Steel constructed structure
- Glass front door
- Removable rear panel
- Equipped assembled
- Dimensions: (B x P x H) 600 x 500 x 470 mm - Color RAL 7035

CLOSURE PANELS

CFMPU1



- 1U Closure Panel
- RAL 9005 Nero

CFMPU2



- 2U Closure Panel
- RAL 9005 Nero

CFMPU3



- 3U Closure Panel
- RAL 9005 Nero

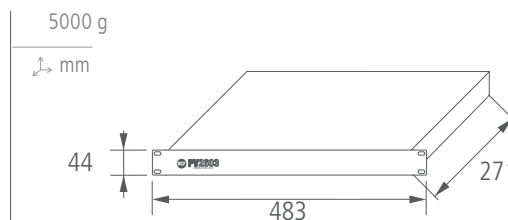
CFMPU4



- 4U Closure Panel
- RAL 9005 Nero

CFMPV2603

VENTILATION UNIT



- CFMPV2603 is a ventilation unit composed by 3 blowers (230 V ac) and a main switch. The blowers turn on due to the activation command of a thermostat included in all CFMCR2600 rack cabinets series.
- The ventilation unit has an air flow capacity of 500 m³/h
- 9" Rack mounting, 1 unit
- Main switch placed on the rear panel
- Low noise

CFMRR2601

RACK WHEELS KIT



- Wheels for rack cabinets CFMCR2628 and CR 2642.
- The kit includes 2 wheels with brake and 2 swivel wheels. Wheel diameter: 80 mm.
- The maximum applicable load does not change when wheels are mounted.

CFMAR2605

FRAME WITH POWER SOCKETS



- 5-socket frame, Schuko and Italian standard, on back-rack support 2U.
- Portion of Omega bar for installing 5 Omega standard modules
- 16A total capacity; cable included

CFMAR1050

RACK SUPPORTS



- 1 U accessory for installation in CFMCR2600 series racks

CFMBH1042

BATTERY HOLDER



- Universal battery holder for series "CFMCR2600"

CFMPAER1

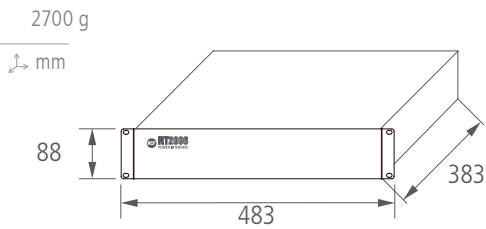
FRONT VENTILATION PANELS



- Front ventilation panel, 1U for CFMCR2600 series racks, RAL 7021 gray

CFMRT2006

RACK CONNECTIONS FOR POWER TRANSFORMERS
CFMTD300-CFMTD500-CFTD1000



- The CFMRT2006 is a 2 standard unit 19" high rack container to house and connect up to 6 CFMTD300 transformers, 4 model CFMTD500 transformers or 2 CFMTD1000 transformers.
- Different transformers can also be combined within the transformer panel.
- The CFMRT2006 has an interface circuit with connection terminals between amplifiers, transformers and speaker lines.
- The connections are all removable and sized for maximum applicable power.
- Easy transformer installation and connection to terminals
- Thanks to material over-sizing and alternate layer windings, frequency response of the transformers is particularly extended. These transformers can be used also with professional high performance loudspeakers.

SPECIFICATIONS

| | CFMTD300 - CFMTD500 - CFMTD1000 |
|-------------------------------|---|
| INPUT IMPEDANCE (PRIMARY) | 4 Ω (35 V - TD 300; 45 V - TD 500; 63 V - TD 1000) |
| OUTPUT VOLTAGE (SECONDARY) | 100 V (33 Ω - CFMTD300; 20 Ω - CFMTD500; 10 Ω - CFMTD1000) |
| FREQUENCY RESPONSE | 50 - 20.000 Hz |
| THERMAL DETECTION THRESHOLD | 90° C |
| NOMINAL POWER | 300 VA (CFMTD300); 500 VA (CFMTD500); 1000 VA (CFMTD1000) |
| DIMENSIONS (DIAMETER, HEIGHT) | ø 115 mm, 65 mm (CFMTD300); ø 125 mm, 70 mm (CFMTD500); ø 170 mm, 75 mm (CFMTD1000) |
| NET WEIGHT | 2.7 kg (CFMTD300); 3.3 kg (CFMTD500); 7.2 kg (CFMTD1000) |
| INPUT CONNECTORS | SPEAK ON (CFMRT2006) |
| OUTPUT CONNECTORS | SCREW TYPE EUROBLOCK (CFMRT2006) |

CFMTD300

300W PROFESSIONAL AUDIO TOROIDAL TRANSFORMER

CFMTD500

500W PROFESSIONAL AUDIO TOROIDAL TRANSFORMER

CFMTD1000

1000W PROFESSIONAL AUDIO TOROIDAL TRANSFORMER

Nominal 300W CFMTD300 Toroidal transformer,
main 4Ω, secondary 100V
Terminals for quick connection to panel
CFMRT2006
Quick transformer mounting inside the rack chassis
with the supplied kit

Nominal 500W CFMTD500 Toroidal transformer,
main 4Ω, secondary 100V
Terminals for quick connection to panel CFMRT2006
Quick transformer mounting inside the rack chassis
with the supplied kit




Nominal 1000W CFMTD1000 Toroidal
transformer, main 4Ω, secondary 100V
Terminals for quick connection to panel
CFMRT2006
Quick transformer mounting inside the rack
chassis with the supplied kit



Multi-zone systems

| | Reference | Description | Price | pag. |
|---|-------------|--|-----------------|------|
|  | CFMMS520 | Control unit / 5 zones amplifier | 800 € | 9 |
|  | CFMRC62 | Remote control for CFMMS520 (white, grey & silver) | 68 € | 9 |
|  | CFMZM2124 | Unidad de control / amplificador 6 zones 720W | 1.300 € | 10 |
| | CFMZM2100 | Unidad de control / amplificador 6 zones 100W | 900 € | |
|  | CFMZE2200 | 6 zones expansion unit | 560 € | 11 |
|  | CFMBM2006 | Paging microphone | 220 € | 11 |
|  | CFMBE2012 | Extension module | 132 € | 11 |
|  | CFMRC2946 | Wall mount remote control | 156 € | 11 |
|  | CFMMM3100 | Master unit | 582,40 € | 12 |
|  | CFMMMS3405P | Chairman microphone set | 191,35 € | 13 |
|  | CFMMMS3404D | Delegate microphone set | 183,05 € | 13 |



Microphones and wireless microphones

| | Reference | Description | Price | pag. |
|---|------------|---|----------------------|------|
|  | CFMMD7600 | Dynamic microphone | 60 € | 16 |
| | CFMMD7800 | Professional dynamic microphone | 80 € | |
| | CFMMD6000X | Hand microphone | 40 € | |
|  | CFMMC4064 | Gooseneck microphone (desktop / on floor stand) | 160 € | 17 |
| | CFMMC5030 | Desktop microphone | <i>consult price</i> | |
| | CFMMC5054 | Flexible universal microphone | 124 € | |
|  | CFMACMICDK | Table base for microphone CFMMC4064 | 124 € | 17 |
|  | CFMBM3001 | Paging microphone | 720 € | 20 |
| | CFMBM3003 | 3 zone paging microphone | 210 € | 21 |
| | CFMBM3022 | Pre-amplified desktop microphone | 272 € | |
| | CFMBM3014 | Paging microphone | 102 € | 20 |
|  | CFMMT3100 | Desktop microphone | <i>consult price</i> | 17 |
| | CFMMC5200 | Desktop microphone | <i>consult price</i> | 17 |
|  | CFMTX2006 | UHF diversity system - hand held TX | 198 € | 18 |
|  | CFMPX2106 | UHF diversity system - pocket TX | 200 € | 18 |
|  | CFMTX4016 | UHF diversity system - hand held TX | 390 € | 19 |
|  | CFMPX4116 | UHF diversity system - pocket TX | 390 € | 19 |
|  | CFMHE2006 | Headset microphone | 36 € | 19 |

| | Reference | Description | Price | pag. |
|---|------------------------|--|---------------|------|
|  | CFMAC503FS | CFMMC5054 adaptor for floor microphone stand | 27 € | 22 |
|  | CFMOT3500 CFMIT4000 | Transformer for distributed systems Input transformer 100V to 0Db | 54 € 58 € | 22 |
|  | CFMAC501DK | Desktop mic. base XLR IN/OUT | 200 € | 22 |
|  | CFMAC112DK | Universal XLR desktop microphone | 64 € | 22 |
|  | CFMAC502LC | CFMMC5054 adaptor for platforms | 14 € | 22 |
|  | CFMAR1620 | Rack mounting accessory | 14 € | 22 |
|  | CFMA507 CFMA504N | Microphone support Microphone support | 8 € 8 € | 23 |
|  | CFMCA5XX | Microphone cable | consult price | 23 |
|  | CFMACAD2405 | 24V adaptor | 26 € | 23 |
|  | CFMACS76FL | Floor stand | 48 € | 23 |
|  | CFMACS50DK | Desktop stand | 32 € | 23 |
|  | CFMACXLR3M3F | Desktop stand | 32 € | 23 |
|  | CFM22C | Audio cable 4 pole, 2 shielded wire and 2 unshielded. €/m. 200m coil. | 2 € | 23 |
|  | CFM2C | Audio cable 2 pole shielded cable. €/m. 200m coil. | 2 € | 23 |





| | Reference | Description | Price | pag. |
|---|-----------|-------------------------------------|----------------------|------|
|  | CFMMP300 | Operator / user intercom system kit | 620 € | 24 |
| | CFMMP321 | Operator microphone | <i>consult price</i> | |
| | CFMMP302 | User microphone | <i>consult price</i> | 25 |
| | CFMMP301 | Loudspeakers | <i>consult price</i> | 25 |
|  | CFMMP341 | Control unit / amplifier | <i>consult price</i> | 25 |

Audio sources











| | | | | |
|---|-----------|---|--------------|----|
|  | CFMRD2016 | MP3 audio files digital recorder / player | 370 € | 26 |
|  | CFMMS1033 | CD-USB MP3 player with FM radio tuner | 416 € | 27 |















Amplifiers and preamplifiers

| | | | | |
|---|-------------|---|----------------|----|
|  | CFMES3323II | 320W mixer amplifier, CD/USB/BLUETOOTH MP3 player | 1.200 € | 30 |
|  | CFMES3160II | 160 mixer amplifier, CD/USB/BLUETOOTH MP3 player | 800 € | 31 |
|  | CFMES3080 | Audio source | 500 € | 32 |
|  | CFMAM2080 | Integrated amplifier | 350 € | 32 |
|  | CFMAM2160 | Integrated amplifier | 540 € | 33 |
| | CFMAM2320 | Integrated amplifier | 700 € | |
|  | CFMUP2161 | Integrated amplifier | 460 € | 34 |
| | CFMUP2321 | Integrated amplifier | 620 € | |
|  | CFMUP2082 | Power amplifier | 480 € | 35 |
| | CFMUP2162 | Power amplifier | 700 € | |
|  | CFMUP8501 | Digital power amplifier | 980 € | 36 |
| | CFMUP8502 | Digital power amplifier | 1.140 € | |
|  | CFMUP8504 | Digital power amplifier | 1.220 € | 37 |













| | Reference | Description | Price | pag. |
|---|------------|--------------------------------|-------|------|
|  | CFMUP1121 | Integrated amplifier | 300 € | 38 |
|  | CFMAM1125 | Mixer amplifier | 324 € | 38 |
| | CFMAM1064 | Mixer amplifier | 222 € | |
|  | CFMAM6020 | Mobile amplifier | 280 € | 39 |
|  | CFMMPR4093 | Pre-amplifier 9 input 2 output | 376 € | 39 |
| | CFMAR3000 | Rack support | 64 € | 30 |









Flush mounted and wall speakers

| | | | | |
|---|------------|--|---------------|----|
|  | CFMHS1026W | Spotlight ceiling speaker | 34 € | 42 |
|  | CFMPLF30 | Paintable flush mounting ceiling speaker | consult price | 42 |
|  | CFMWS620XT | Two-way weather resistant flush mounting speaker | 42 € | 42 |
|  | CFMPL40 | Ceiling speaker | 26 € | 43 |
|  | CFMPL50 | Full range flush mounting ceiling speaker | 12 € | 43 |
|  | CFMPL60 | High efficiency ceiling speaker | 18 € | 43 |
|  | CFVPL60FD | Ceiling speaker with fire dome | 38 € | 44 |
|  | CFVPL70EN | Ceiling speaker with fire dome | 76 € | 44 |
|  | CFVPL68EN | Ceiling speaker fire dome | 50 € | 44 |
|  | CFMPL6X | Coaxial ceiling speaker | 38 € | 45 |







| | Reference | Description | Price | pag. |
|---|------------|--|---------------|------|
|  | CFMPL8X | Coaxial ceiling speaker | 46 € | 45 |
|  | CFMAC50B | Flush mount box | 8 € | 45 |
|  | CFMAC1503 | Ceramic terminal with thermal fuse accessory | 4,80 € | 45 |
|  | CFMDU31 | Flush mount wall speaker | 24 € | 46 |
|  | CFMDU31AT | Flush mount wall speaker with power selector | 30 € | 46 |
|  | CFMA1331 | Surface mount for CFMDU31 / CFMDU31AT | 14 € | 46 |
|  | CFMDU100X | Coaxial speaker | 52 € | 47 |
|  | CFVDU50EN | Universal steel speaker | 64 € | 47 |
|  | CFMELISA50 | Compact hi-definition flush mount wall speaker | 70 € | 47 |
|  | CFMDM41 | Compact two-way speaker | 52 € | 48 |
| | CFMDM41B | Compact two-way speaker (black colour) | 52 € | |
|  | CFMDM61 | Compact two-way speaker | 104 € | 48 |
|  | CFVBS5EN | EN54-4 compliant suspended sound projector | 140 € | 49 |
|  | CFMBS8 | Pendent ball speaker | 58 € | 49 |
|  | CFMBS2620 | High performance pendent ball speaker | 90 € | 49 |

Sound projectors, monitors and column speakers












| | Reference | Description | Price | pag. |
|---|-------------|---|----------------------|------|
|  | CFMDP4 | Indoor / outdoor sound projector | 46 € | 52 |
|  | CFMBD42 | Indoor / outdoor bidirectional sound projector | 58 € | 52 |
|  | CFVBD2412EN | Aluminium bidirectional sound projector | 140 € | 52 |
|  | CFVDP1420EN | Aluminium sound projector | 130 € | 53 |
|  | CFVDP5EN | Mono directional projector EN54-24 compliant | 100 € | 53 |
|  | CFVBD5EN | Bidirectional projector EN54-24 compliant | 120 € | 53 |
|  | CFMCS3041 | Slim-line column speaker | 110 € | 54 |
| | CFMCS3082 | Slim-line column speaker | 142 € | |
| | CFVCS6520EN | Two-way column speaker | 306 € | 55 |
| | CFVCS6940EN | High directivity two-way column speaker | 540 € | |
|  | CFMMR33T | Two-way compact monitor speakers with transformer | 105,66 € | 56 |
| | CFMMR33WT | Two-way compact monitor speakers with transformer | 105,66 € | |
|  | CFMMR44T | Two-way monitor speakers with transformer | 139,78 € | 56 |
| | CFMMR44WT | Two-way monitor speakers with transformer | 139,78 € | |
|  | CFMMR55 | Two-way high definition monitor speakers | 163,91 € | 57 |
| | CFMMR55W | Two-way high definition monitor speakers | 163,91 € | |
|  | CFMMA4X | Wall mount bracket for 4 speakers | <i>consult price</i> | 57 |
| | CFMMA3B | Wall mount bracket | 24 € | |
| | CFMMA3W | Wall mount bracket | 24 € | |
| | CFMMA5B | Wall mount bracket | 26 € | |
| | CFMMA5W | Wall mount bracket | 26 € | |
|  | CFMMQ30P | Miniature two-way coaxial speaker | 75,72 € | 58 |
| | CFMACWMCS | Couple of swivel brackets | <i>consult price</i> | 55 |

| | Reference | Description | Price | pag. |
|---|----------------|--|----------|------|
|  | CFMMQ80P | Two-way indoor / outdoor monitor | 155,58 € | 58 |
|  | CFMMQ50 | Two-way monitor | 119,80 € | 59 |
|  | CFMMQ60H | Wide dispersion constant directivity monitor | 135,62 € | 59 |
|  | CFMMQ60HLink W | Fixing accessory | 24,12 € | 59 |
| | CFMMQ60HLink B | Fixing accessory | 24,12 € | |
|  | CFMMQ50C | Two-way ceiling monitor speaker | 129,80 € | 60 |
|  | CFMMQ50I | Two-way in wall speaker | 119,80 € | 60 |
|  | CFMMQ90SB | 8" band pass subwoofer | 159,74 € | 61 |
|  | CFMMQ100LW | 3 ways column loudspeaker white color | 179,72 € | 61 |
| | CFMMQ100LB | 3 ways column loudspeaker black color | 179,72 € | |


Horn speakers

| | | | | |
|---|-------------|--|---------|----|
|  | CFVHD21EN | Plastic horn speaker with driver | 84 € | 63 |
|  | CFMHD3216 | Plastic horn speaker with driver | 80 € | 63 |
| | CFMHD3216T | Compact horn speaker | 90 € | 63 |
|  | CFMHD210TY | Aluminium horn speaker with driver | 96 € | 64 |
|  | CFMHD310T | Aluminium horn speaker with driver | 118 € | 64 |
|  | CFMHD410T | Aluminium horn speaker with driver and transformer | 200 € | 64 |
|  | CFMHD1110 | Horn speakers with dynamic driver unit | 60 € | 65 |
|  | CFVHD6045EN | Long-throw multi cell horn speaker | 1.560 € | 65 |
|  | CFMD5076 | Driver unit | 110 € | 65 |
|  | CFMTD507 | 50V multi-tapped transformer | 40 € | 65 |

Attenuators, audio transformers and accessories

| | Reference | Description | Price | pag. |
|---|-----------|-----------------------------------|---------------|------|
|  | CFMIM2220 | Portable impedance tester | 280 € | 66 |
|  | CFMAT10Z | Constant impedance attenuator | 36 € | 67 |
|  | CFMAT20T | 20W / 100V transformer attenuator | 50 € | 67 |
|  | CFMAT40T | 40W / 100V transformer attenuator | 64 € | 67 |
|  | CFMCT61 | 6 position 1 way rotary switcher | 40 € | 67 |
|  | CFMTL128 | 120W line transformer | 40 € | 67 |
|  | CFMCP52 | 5 position 2 way rotary switcher | 32 € | 67 |
|  | CFMTD10 | 10W universal line transformer | consult price | 68 |
|  | CFMTD30 | 30W universal line transformer | consult price | 68 |
|  | CFMTD60 | 60W universal line transformer | consult price | 68 |
|  | CFMTD120 | 120W universal line transformer | consult price | 68 |
|  | CFMTD240 | 240W universal line transformer | consult price | 68 |

Mobile amplification

| | | | | |
|---|---------|---------------|------|----|
|  | CFMMG90 | 100W megafone | 60 € | 69 |
|---|---------|---------------|------|----|

Rack components

| | Reference | Description | Price | pag. |
|---|-------------|---|----------------------|------|
|  | CFMCR2609 | Rack enclosure | 526 € | 70 |
| | CFMCR2615 | Rack enclosure | 620 € | |
| | CFMCR2615FV | Rack enclosure | 884 € | |
| | CFMCR2628 | Rack enclosure | 1.030 € | |
| | CFMCR2642 | Rack enclosure | 1.262 € | |
| | CFMAK2615 | Door for CFMCR2515 and CFMCR2615FV | 216 € | 70 |
| | CFMAK2628 | Door for CFMCR2528 | 316 € | |
| | CFMAK2642 | Door for CFMCR2542 | 416 € | |
|  | CFMPU1 | Rack enclosure | 16 € | 71 |
| | CFMPU2 | Rack enclosure | 18 € | |
| | CFMPU3 | Rack enclosure | 22 € | |
| | CFMPU4 | Rack enclosure | 28 € | |
|  | CFMPV2603 | Ventilation unit | 424 € | 72 |
|  | CFMRR2601 | Rack wheels kit | 148 € | 72 |
|  | CFMAR2605 | Frame with power sockets | 84 € | 72 |
|  | CFMAR1050 | Rack supports | 16 € | 72 |
|  | CFMBH1042 | Battery holder | 120 € | 72 |
|  | CFMRT2006 | Rack connections for power transformers | <i>consult price</i> | 73 |
|  | CFMTD300 | 300W professional audio toroidal transformer | <i>consult price</i> | 73 |
| | CFMTD500 | 500W professional audio toroidal transformer | <i>consult price</i> | 73 |
| | CFMTD1000 | 1000W professional audio toroidal transformer | <i>consult price</i> | 73 |



by



Over the world





by



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