

# MONITOR SERIES

## MONITOR SERIES

When we set out to create a line of professional compact speakers our aim was to design and build the very best products possible. Drawing on over 50 years of experience in loudspeaker manufacturing the Monitor Series was designed to deliver uncompromising audio performance and rugged reliability for a wide variety of professional applications. Available in both black and white finishes, all Monitor models are designed to blend in with any decor, and deliver surprisingly deep bass, smooth midrange and finely-detailed high frequency response.

*Perfect for speech and music applications in business, audio visual applications, bars & restaurants, hospitality, places of worship, recreational facilities, theme parks and shopping malls*

Quality components, along with impeccable acoustic engineering and industrial design make the Monitor Series of professional compact speakers stand out among their peers. These are quality products designed from the ground up for critical listening in the most demanding applications.

There are four different models in the Monitor Series, plus a unique band pass subwoofer each designed for a specific range of applications.

All models are available in black or white finish and can be painted to match any decor. Integral mounting points are provided, as is a wide range of optional mounting accessories including surface, flush, and cluster mounting.

Technically superior materials, like carbon fibre woofer cones and titanium metalized dome tweeters along with our exclusive LICC (Low Inductance Compensated Crossover) design combine to deliver exceptional performance and long-term reliability.

A three-year product warranty further ensures the lasting value of your investment in the best professional compact speakers available.

We make the Monitor Series in one of our state-of-the-art speaker manufacturing facilities. Here, a fifty year plus legacy of meticulous craftsmanship and ISO 9001 quality control is combined with an advanced acoustical engineering department. The result is a range of compact speakers designed to recording studio monitor standards - and yet rugged enough to deliver decades of quality sound in punishing environments.



## Monitor33T Code no. 00.07.140

## Monitor33WT Code no. 00.07.141

Compact design and a wealth of mount-ing options make the RCF Monitor 33T (black) and Monitor 33/WT (white) com-pact 2-way loudspeakers ideal for use in business music systems. The woofer is a high-excursion, carbon fiber design. The mylar dome tweeter is mounted on a constant directivity horn to provide natural, smooth sound reproduction and high resistance to weather. Installation of the Monitor 33T is fast and efficient using the accompanying adjustable mounting bracket. Four M6 threaded inserts add to the speaker's flexibility. Connections are made to recessed color-coded, spring-loaded terminals. Wattage taps, voltage adjustments, and 4-ohm operation are selectable by means of two detented rotary switches. The enclosure is constructed of high density, scratch resistant polystyrene and includes a protective perforated steel grille and con-nection cover. Available in black (Monitor 33T) or white (Monitor 33/WT). The Monitor 33T is a part of RCF's Monitor Series, which includes two-way constant directivity, compact speakers in easily installed enclosures.

### FEATURES

- › 4.75" high-efficiency carbon fiber woofer
- › 0.5" mylar dome tweeter loaded by a 110° x 100° constant directivity horn
- › Built-in, multi-tap constant voltage transformer
- › Built-in, low-inductance passive crossover
- › Lightweight, UV/weather resistant, high density polystyrene, trapezoidal shaped enclosure for multiple applications and minimum visual intrusion
- › Integrated mounting points for use with optional mounting hardware
- › Articulated surface mount hardware included

*easyline*



SPECIFICATIONS	MR 33T - MR 33WT
Type of speaker	Two-way loudspeaker, bass reflex
Applicable power	40 W - (IEC long-term) 4Ω 20 W with transformer (1-2.5-5-10-20W)
Constant voltage	25 V - 50 V - 70 V - 100 V
Frequency response	160 - 20,000 Hz ±3 dB 100 - 20,000 Hz -10 dB
Sensitivity (1W/1m)	88 dB SPL in anechoic chamber
Maximum sound pressure	105 dB 1 m SPL in anechoic chamber (40 W IEC Long-Term)
Loudspeaker impedance	4 Ω (rotary dial in by-pass position)
Constant impedance [1.000 Hz]:	110°x100° (horn directivity)
Dimensions (W x H x D)	154x216x136 mm
Colour	Black (MR 33T) White (MR 33WT)
Net weight	2.2 kg
Connectors	Pressure type

## Monitor44T Code no. 00.07.142

## Monitor44WT Code no. 00.07.354

Careful acoustic design and the use of advanced materials contribute to the exceptional music fidelity and speech intelligibility exhibited by the RCF Monitor 44T (black) and Monitor 44/WT (white) two-way speaker systems. The carbon fiber diaphragm remains extremely rigid at high power levels, producing a more linear response and lower distortion. The cone is fitted with a durable foam surround and treated to resist moisture. The high-frequency section features a constant directivity horn with a built-in mechanical phase equalizer. The horn is driven by a Ferrofluid® cooled, 0.5" mylar dome tweeter. The system is nominally crossed over at 4 kHz by a 12 dB/octave network, which uses markedly lower (than conven-tional) inductance values in series with the woofer. This design reduces sound delays associated with high inductance values and provides excellent low fre-quency transient response. The high-pass section is corrected for optimum perfor-mance of the CD horn and is protected with a circuit based on a low-value/low-mass filament resistor that smoothly limits the power sent to the tweeter driver. All components are housed in a vented enclosure formed from semi-expanded polystyrene foam that is extremely strong, lightweight and weather resis-tant. Threaded metal sockets are molded into the cabinet to facilitate quick, safe deployment of the Monitor 44T, as a single unit or in arrays, using specially designed accessory mounting hardware. The Monitor 44T is a part of RCF's Monitor Series, which includes two-way constant directivity, compact speakers in easily installed enclosures.

### FEATURES

- › 5" high-efficiency carbon fiber woofer CD horn loaded, 0.5" dome tweeter
- › Built-in, multi-tap constant voltage transformer
- › Built-in, low-inductance passive crossover with high-frequency dynamic protection
- › Lightweight, UV/weather resistant, trapezoidal shaped enclosure for multiple applications and minimum visual intrusion
- › Integrated mounting points for use with optional mounting hardware
- › Articulated surface mount hardware included.



SPECIFICATIONS	MR 44T - MR 44W
Type of speaker	Two-way loudspeaker, bass reflex
Applicable power	60 W - (IEC long-term) 4Ω 30 W with transformer (1-5-10-20-30W)
Constant voltage	25 V - 50 V - 70 V - 100 V
Frequency response	150 - 20,000 Hz ±3 dB 80 - 20,000 Hz -10 dB
Sensitivity (1W/1m)	89 dB SPL in anechoic chamber
Maximum sound pressure	108 dB 1 m SPL in anechoic chamber (60 W IEC Long-Term)
Loudspeaker impedance	4 Ω (rotary dial in by-pass position)
Angle of coverage [1.000 Hz]:	110°x110° (horn directivity)
Dimensions (W x H x D)	182x262x167 mm
Colour	Black (MR 44T) White (MR 44WT)
Net weight	3,6 kg
Connectors	Pressure type



## Monitor55 Code no. 00.07.143

## Monitor55W Code no. 00.07.355

Careful acoustic design and the use of advanced materials contribute to the exceptional music fidelity and speech intelligibility exhibited by the RCF Monitor 55 (black) and Monitor 55W (white) two-way speaker systems. The shielded low-frequency driver's carbon fiber diaphragm produces a linear response and low distortion. The high-frequency section features a 110° x 110° constant directivity horn with a built-in mechanical phase equalizer. The horn is driven by a Ferrofluid® cooled, 0.75" soft dome tweeter.

### FEATURES

- › 5" high-efficiency carbon fiber woofer 110° x 110° constant directivity horn with Ferrofluid® cooled, 0.75" soft dome tweeter
- › Built-in, LICC low inductance passive crossover with high-frequency dynamic protection
- › Lightweight, UV/weather resistant, trapezoidal shaped enclosure for multiple applications and minimum visual intrusion
- › Integrated mounting points for use with optional mounting hardware
- › Articulated surface mount hardware included.



SPECIFICATIONS	MR 55 - MR 55W
Type of speaker	Two-way loudspeaker, bass reflex
Applicable power	175 W - (IEC long-term) 4Ω
Frequency response	100 - 19,000 Hz -3 dB
Sensitivity (1W/1m)	87 dB SPL in anechoic chamber
Maximum sound pressure	112 dB 1 m SPL in anechoic chamber
Angle of coverage	110°x100° (horn directivity)
Dimensions (W x H x D)	182x262x167 mm
Colour	Black (MR 55) White (MR 55W)
Net weight	3.9 kg
Connectors	Screw type

## Monitor88 Code no. 131.10.109

## Monitor88W Code no. 131.10.152

The Monitor88 is the result of extensive research in the development of new transducers and crossover design. The result is a product with exceptional fidelity, the ability to produce deep controlled bass and extended high frequencies without sacrificing efficiency. The low-frequency 8" driver's low-mass, carbon fiber diaphragm remains extremely rigid at high power levels, producing a more linear response and lower distortion. The high-frequency section features a constant directivity horn with a built-in mechanical phase equalizer. The horn is driven by a Ferrofluid® cooled, 1" titanium dome tweeter. All components are housed in a vented enclosure formed from semi-expanded polystyrene foam. The speaker system is available in black (Monitor88) or white (Monitor88W).

### FEATURES

- › 8" cast aluminum basket, high-efficiency carbon fiber woofer
- › 110° x 90° constant directivity horn with Ferrofluid® cooled, 1" titanium dome tweeter
- › Built-in LICC low-inductance passive crossover with high frequency dynamic protection
- › Lightweight, UV/weather resistant, high density polystyrene, trapezoidal shaped enclosure for multiple applications and minimum visual intrusion
- › Integrated mounting points for use with optional mounting hardware



SPECIFICATIONS	MR 88 - MR 88W
Type of speaker	Two-way loudspeaker, bass reflex
Applicable power	300 W - (IEC long-term) 8Ω
Frequency response	70 - 20,000 Hz -3 dB
Sensitivity (1W/1m)	91 dB SPL in anechoic chamber
Maximum sound pressure	120 dB 1 m SPL in anechoic chamber
Angle of coverage	110°x80° (horn directivity)
Dimensions (W x H x D)	430x290x260 mm
Colour	Black (MR 88) White (MR 88W)
Net weight	9.8 kg
Connectors	Screw type

## MSW8 Code no. 131.10.122

### 12" SUBWOOFER FOR MONITOR 88 SPEAKER SYSTEMS

The MSW 8 is a professional subwoofer that has been expressly designed for use with the Monitor 88 or Monitor 88W. The special "Dual Load Reflex" configuration makes it possible to get a high level of efficiency, as well as a considerably extended low range frequency response and extremely reduced distortion, features that are not easily found in traditional "direct radiation" speakers.

As the subwoofer range is non-directional, the unit can be installed in the most convenient place, even in a semi-hidden position, as it is very difficult to locate the origin of the sound at this frequency. The MSW 8 has been designed for perfect combination with Monitor 88.

In case other models of speakers have to be used with MSW 8, the satellite speaker impedance shall be 8 Ohm.

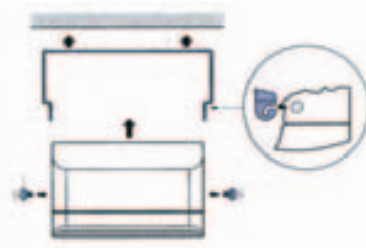
The built-in crossover filter can be excluded by means of a two-position switch accessible on the subwoofer terminal-strip.



SPECIFICATIONS	MSW 8
Type of speaker	Subwoofer band-pass
Applicable power	300 W - (IEC 268-1) 8Ω - solo Sub 500W - MSW 8 + MR 8
Frequency response	35 Hz - 125 Hz +/-3 dB
Sensitivity (1W/1m)	93 dB SPL in anechoic chamber
Maximum sound pressure	122 dB 1 m SPL in anechoic chamber
Dimensions (W x H x D)	290x800x508 mm
Internal volume	75 liters
Colour	Matt black
Net weight	36 kg
Connectors	Screw type
Application	Indoor only

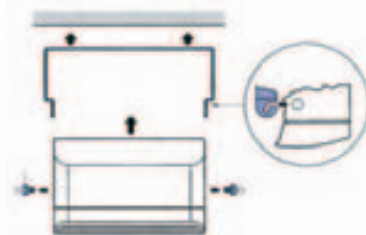
## MA3B Code no. 00.08.056

**MA3W** Code no. 00.08.057  
"U" brackets for wall mounting MR 33T (MA 3B black colour) and MR 33WT (MA 3W white colour)



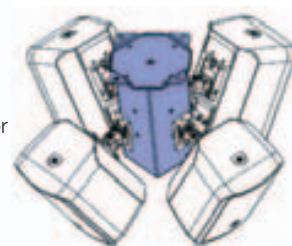
## MA5B Code no. 00.08.058

**MA5W** Code no. 00.08.059  
"U" brackets for wall mounting MR 44T - MR 55 (MA 5B black colour) and MR 44WT - MR 55W (MA 5W white colour)



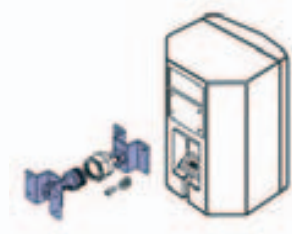
## MA4X Code no. 133.60.009

Ceiling mounting bracket for up to 4 Monitor Series cabinets models MR 33T - MR 44T - MR 55 in cluster installations.



## MA8-2 Code no. 133.20.054

Swivel mounting bracket for MR 88 and MR 88W.



## MA7B Code no. 133.22.031

**MA7W** Code no. 133.22.032  
Swivel mounting bracket for loudspeakers on column speakers (MA 7B black colour) (MA 7W white colour)



## MA8-8 Code no. 133.20.074

Adapter for one MR 88 - MR 88W on RCF floor speaker stand model SM







## FEATURES

Building upon the solid tradition of the existing RCF Monitor Series Professional Loudspeaker Systems, RCF are pleased to introduce the New Monitor Q Series.

The Monitor Q Series is an additional family to add to the outstanding versatility of the RCF Monitor range of speakers. Our objectives are to provide you with an additional choice of 'cosmetically pleasing' fashion orientated compact installation speaker systems. Plus unique 'Contractor Solutions'.

The Monitor Q Series offers modern industrial design along with impeccable acoustic engineering with six installation specific models. RCF Engineers have worked to create a true combination of design and acoustics with 'installation friendly' mounting and fixing systems to please both the Sound Contractor, architect and end client. For example the MQ 50 has a truly innovative speaker fixing system which allows the contractor to wire in and terminate connections via the bracket assembly during a 'first fix' part of the installation. Then simply when the building project is complete the speaker and included termination cable is simply plugged into the pre-fixed bracket assembly.

Available in Anthracite Grey, Off White and some models also in silver. All models can be easily re painted to match any décor. A complete line of 'Mounting Accessories' are also available to assist the contractor.



**MQ 50-W** White  
Code no. 130.00.056

**MQ 50-G** Anthracite  
Code no. 130.00.070

**MQ 50-S** Silver  
Code no. 130.00.069

## MONITOR SPEAKER FOR INSTALLATION AT CONSTANT DIRECTIVITY

The MQ 50 is a monitor speaker for constant directivity installation. It is a two-way speaker with 5" woofer and waveguide-loaded dome tweeter to ensure intelligibility and correct dispersion of the sound over a wide angle of coverage.

The built-in support makes the MQ 50 easy to install and enables close fitting to the wall, limiting its protrusion.

The exclusive attachment system designed for the MQ 50 model allows the installer to fit the attachment bracket to the wall and make the electrical connections during the pre-installation phase; subsequently, when all the works are completed, the MQ 50 is positioned, oriented, and connected with a simple "click", without the need for tools.



SPECIFICATIONS	MQ 50
Type	2 way bass-reflex loudspeaker, LF 5" - HF soft-dome tweeter on wave guide
Musical power/RMS	24/12W (impedance "by-pass" connection: 16 ohm)
Line Transformer	100 V - 30 W (multiple taps)
Sensitivity (1W/1m)	89 dB
Max Sound Pressure level SPL	110 dB
Frequency response	70 Hz - 20 KHz (-10 dB)
Cutoff frequency	4500 Hz 12/12 dB/oct
Protection	dynamic on woofer and tweeter
Angle of coverage	120°x100° (horn directivity)
Body	Autoextinguishing plastic HB
Accessories included	adjustable integrated wall mounting accessory with the connecting terminals to the amplifier
Dimensions (W x H x D)	160 x 240 x 130 mm
Colour	MQ 50-W white MQ 50-G anthracite grey MQ 50-S silver

**MQ 60H-W** White  
Code no. 130.00.060

**MQ 60H-G** Anthracite  
Code no. 130.00.072

**MQ 60H-S** Silver  
Code no. 130.00.071

## MONITOR SPEAKER FOR INSTALLATION AT CONSTANT DIRECTIVITY

The MQ 60H is a wall mount monitor speaker designed to guarantee uniform coverage of a large area in order to limit the number of speakers and therefore the installation points.

It is a two-way speaker with three transducers: the 5" woofer and the two horn-loaded dome tweeters with constant directivity are positioned in such a way as to ensure the maximum listening comfort within the area covered.

Installation is carried out in two phases: first, you mount the support on the wall and make the electrical connections; when all the works are completed, you insert the speaker and make a quick connection.



**MQ 30P-W** White  
Code no. 130.00.058

**MQ 30P-G** Anthracite  
Code no. 130.00.068

**MQ 30P-S** Silver  
Code no. 130.00.067

## MONITOR SPEAKER FOR INSTALLATION AT CONSTANT DIRECTIVITY

The MQ 30P is an orientable two-way mini-speaker. The components are a 3" woofer and a coaxial dome tweeter that ensure a wide angle of coverage. The speaker faithfully reproduces announcements and provides a good music background where included.

Combined with a subwoofer, the MQ 30P allows high quality music distribution with high output levels.

An important feature of the MQ 30P is that it provides consistent reproduction of all the frequencies involved in voice transmission and therefore, alone or in combination with a subwoofer, makes it possible to attain a high level of vocal intelligibility.

The MQ 30P has been designed to adhere closely to the wall or ceiling and thus it has a limited protrusion. The built-in hinged support makes the speaker easy to install and orient in any direction.

Like the other Monitor Q products, MQ 30P installation is simple and flexible. First, the support is mounted on the wall and the connector is wired; then, when the premises is completely furnished, the installation, orientation, and connection of the mini-speaker are immediate.



SPECIFICATIONS	MQ 60H
Type	2 way bass-reflex loudspeaker, LF 5" - HF two soft-dome tweeters with constant directivity horns
Musical power/RMS	120/60W (impedance "by-pass" connection: 16 ohm)
Line Transformer	100 V - 30 W (multiple taps)
Sensitivity (1W/1m)	85 dB
Max Sound Pressure level SPL	106 dB
Frequency response	70 Hz - 20 KHz (-10 dB)
Cutoff frequency	2600 Hz 12/12 dB/oct
Protection	dynamic on woofer and tweeter
Angle of coverage	180° hor x 100° ver (combined horn coverage)
Body	Autoextinguishing plastic HB
Accessories included	adjustable integrated wall mounting accessory with the connecting terminals to the amplifier
Dimensions (W x H x D)	198 x 297 x 125 mm
Colour	MQ 60H-W white MQ 60H-G anthracite grey MQ 60H-S silver

SPECIFICATIONS	MQ 30P
Type	2 way pneumatic suspension loudspeaker, LF 3 1/2" - HF coaxial soft-dome tweeter
Musical power/RMS	24/12W (impedance "by-pass" connection: 16 ohm)
Line Transformer	100 V - 12 W (multiple taps)
Sensitivity (1W/1m)	88 dB
Max Sound Pressure level SPL	102 dB
Frequency response	150 Hz - 20 KHz (-10 dB)
Cutoff frequency	5400 Hz 6/6 dB/oct
Protection	dynamic on woofer and tweeter
Angle of coverage	120°x120°
Body	Autoextinguishing plastic HB
Accessories included	adjustable integrated wall mounting accessory with the connecting terminals to the amplifier
Dimensions (W x H x D)	100 x 100 x 170 mm
Colour	MQ 30P-W white MQ 30P-G anthracite grey MQ 30P-S silver