

# M801

## TWO WAY PASSIVE SPEAKER SYSTEM



### MAIN APPLICATIONS

- Conference rooms
- Performance Arts Spaces
- Theatres & Auditoria
- Background and Foreground Business Music
- Small scale PA
- Delay Fill
- Houses of worship
- Theme parks and leisure venues
- Gymnasiums and small/medium sports arenas
- Portable corporate AV
- Bars, pubs and nightclubs

### MAIN FEATURES

- High Quality 2-way passive loudspeaker
- 1 x 8" woofer, vented
- 1 x 1" in driver, on 90°x90° CD horn
- High Power Handling 'Low Impedance Compensated Crossover', with electronic protection for the driver
- 150W AES power handling
- Steel Front Grille with robust double mesh polyester clothing
- Rotatable RCF front logo
- Installation points are available on the rear panel, top and bottom
- All models have a 4-pin EUROBLOCK connector (audio input and parallel link output)

### DESCRIPTION

M 801 is a multipurpose two-way full-range speaker system, suitable in a wide range of installations.

The compactness, together with the elegant and neutral design with accurate finishing make M 801 suitable for almost any environment and architectural constraint. The system operates in fully passive mode with an internal passive crossover/filter network both dividing the signal and providing critical equalization functions

The M801 faithfully deliver high-output, high-definition sound for a wide variety of professional applications, despite its compact size. All system elements, including drivers, crossover/filter components, and the enclosures themselves are designed to meet RCF's rigorous standards for reliability and durability.

The system includes a high-level crossover network that features markedly lower (than conventional) inductance values in series with the woofer. We call this innovation LICC (Low Impedance Compensated Crossover). The benefit is delay reduction, reduced phase shift and superior transient response. Dynamic high-frequency driver protection is accomplished with a new RCF exclusive - Active Mosfet Compression Driver Protection System, (AMCDP) chosen to complement the power curve of the driver.

Each M801 includes a robust 8" woofer, with 2" voice coil, mounted in an optimally vented enclosure and a 1" compression driver with 1,5" voice coil, specifically designed to provide smooth, bright and clear high-frequency reproduction on a 90°x90° CD horn.

The SPL and the level of undistorted sound the M801 can reach are far above any expectation from such a compact solution.

The design and look of the Media Series is consistent with the higher power Compact and H Series models, the new Media Series offer various installation options, from an elegant swivel bracket to easy to install wall mounting U brackets.

The steel front grilles are protected with a robust double mesh polyester clothing. The front RCF logo is easily rotatable. Media models presents high power Euroblock audio input and link output connectors.

### ACOUSTICAL SPECIFICATIONS

Frequency response:	65 Hz ÷ 20 kHz
Max SPL:	121 dB
Sensitivity 1W/1m:	93 dB
Coverage angle:	90°x60°
Compression driver:	1", 1.5" voice coil
Woofer:	8", 2" voice coil
Power handling:	150W

### INPUT SECTION

Input signal (Impedance):	8 Ω
Input connector:	Removable screw terminal block
Output signal connector:	Removable screw terminal block

### PROCESSOR SECTION

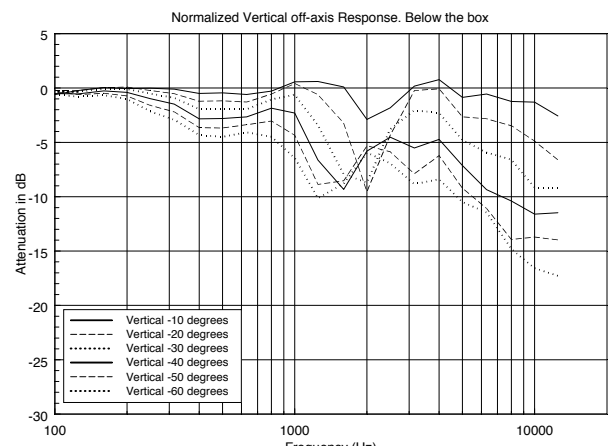
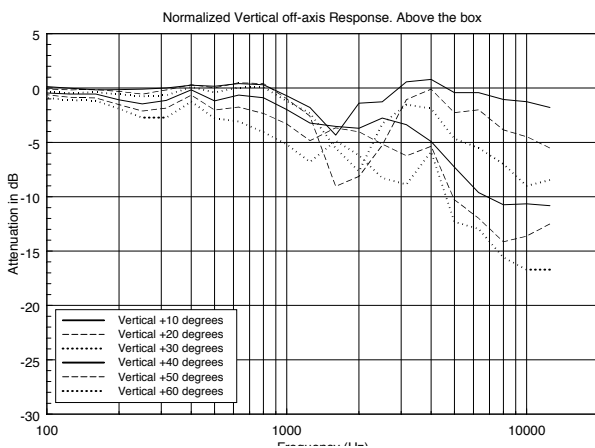
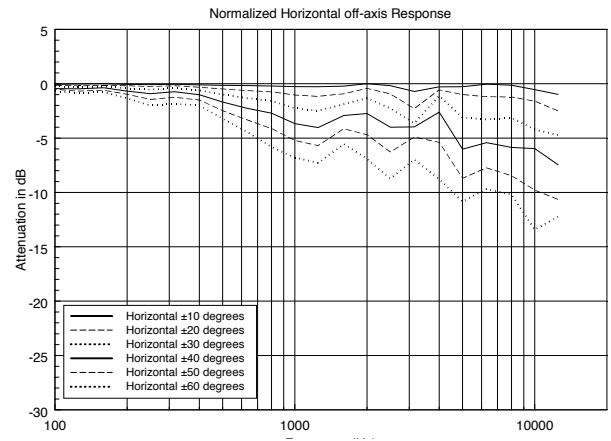
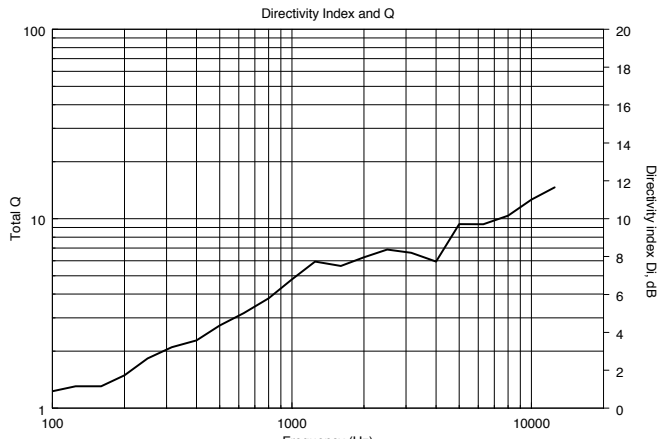
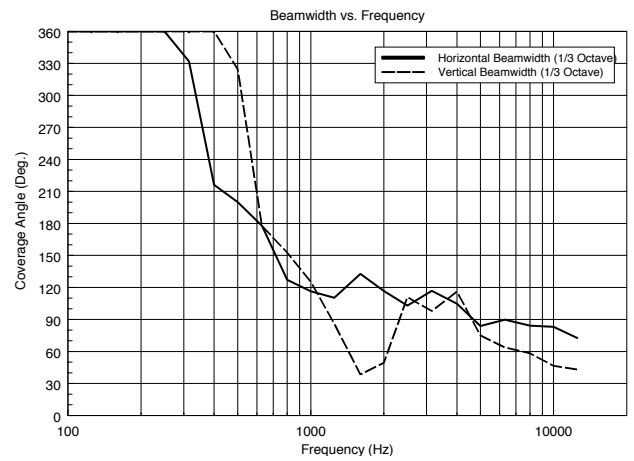
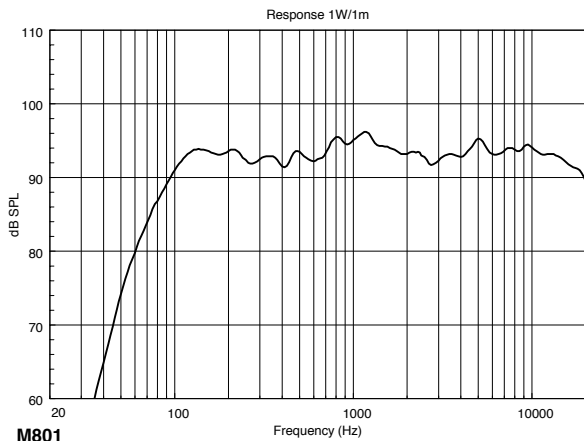
Crossover frequencies:	1800 Hz
Protections:	HF Driver Dynamic Mosfet

### PHYSICAL

Cabinet:	Trapezoidal, 8° angle, 12 mm MDF
Dimensions (HxWxD):	17.4"x10.27"x11.1" - 442x261x282 mm
Weight:	9.7 kg (21.35 lbs)
Hardware:	8XM6; 2XM10 ;WALL MOUNT ;U-BRACKET H
Handles:	-
Pole Mount / Cap:	-
Colour:	Black

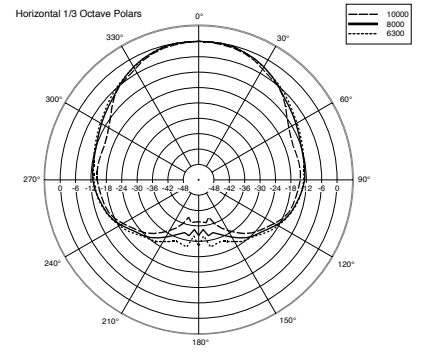
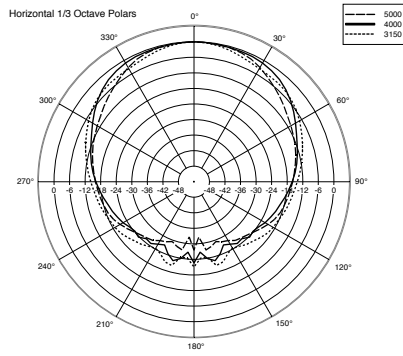
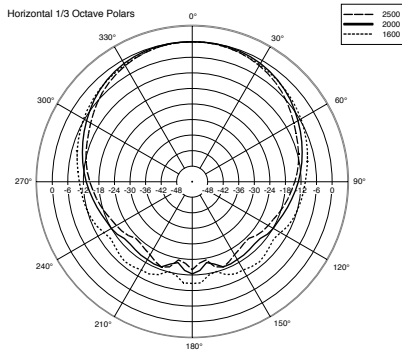
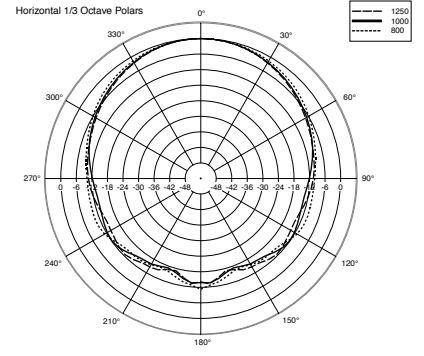
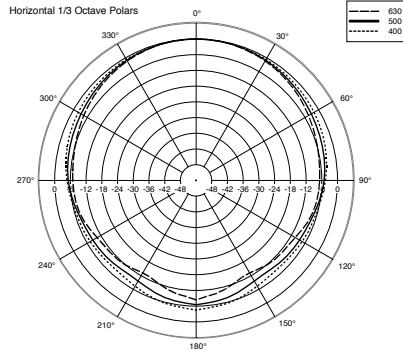
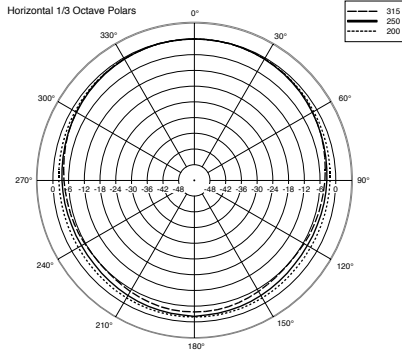


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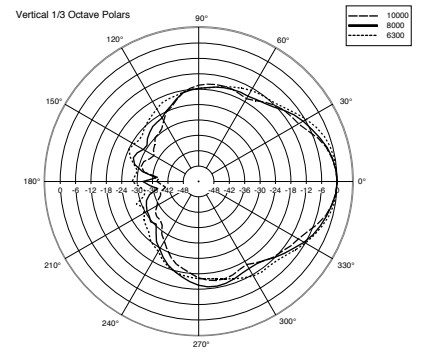
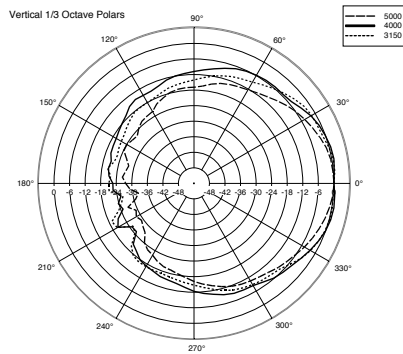
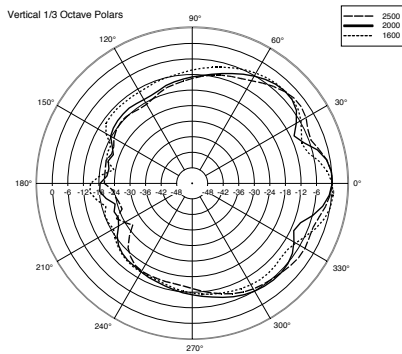
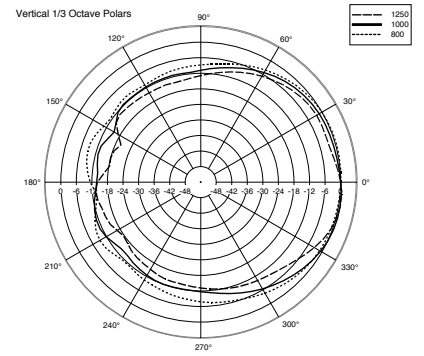
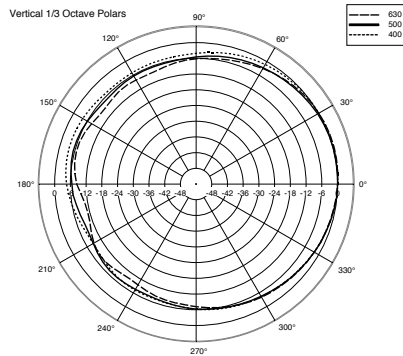
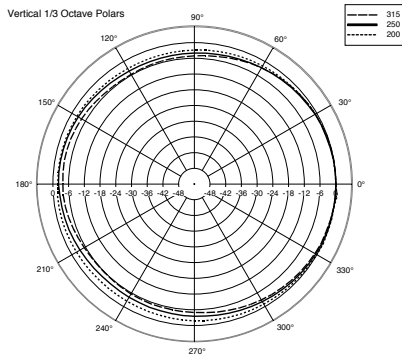


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## HORIZONTAL 1/3 POLAR PLOT



## VERTICAL 1/3 POLAR PLOT

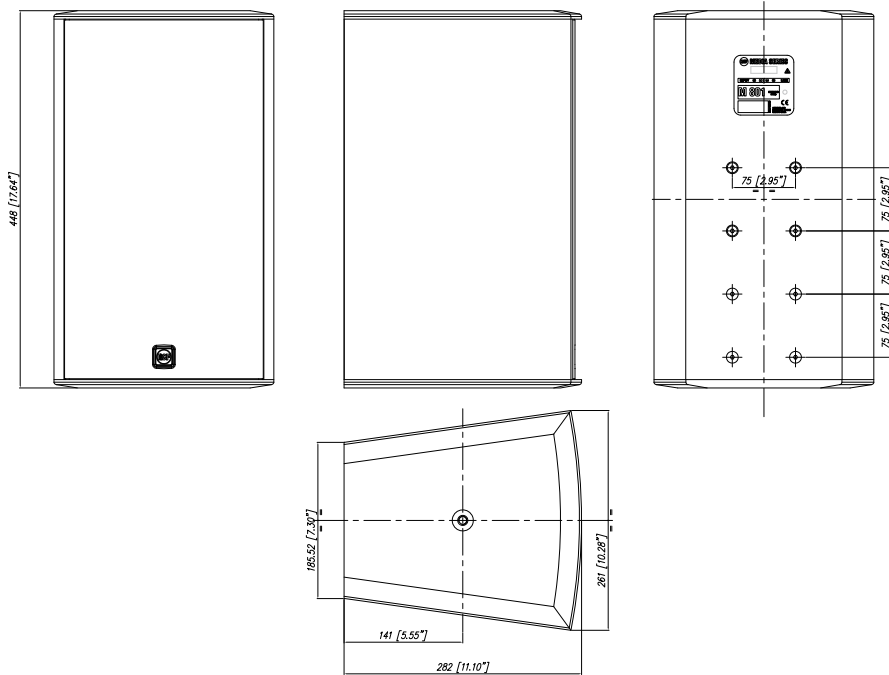


# M801

## PART NUMBERS

13041004

## DIMENSIONS (All data are in mm)



## ACCESSORIES

AC M801 H-BR

Pair of horizontal bracket for mounting M801 speakers on the wall.

AC WM-M

Wall mount swivel bracket for M501, M502, M601, M602, M801.