

F 10 A Active PA Speaker



Description

The F10 A is a 2-way active PA speaker with a constant dispersion angle of $80^\circ \times 60^\circ$ and excellent sound properties, even at high playback volumes. The 10" long-excursion low-mid woofer is driven by a 400-watt class D amplifier; the 1" mid-high tweeter by an 80-watt D-Mos amplifier.

The F 10 A has an extensive frequency range and can be used as a real full-range speaker when the low-cut switch is in the 50 Hz position.

When the low-cut is at 110 Hz, the F 10 A can be used as a monitor or as a top unit in combination with subwoofers.

Thanks to the multi-purpose cabinet and the hinged horn tweeter, the F 10 A can be operated vertically, horizontally or as a floor monitor.

Key Features

- 2-way active speaker with digital amplifier
- 10" woofer + 1" driver with CD-horn
- 400 + 80 watts power capacity
- $80^\circ \times 60^\circ$ (H \times V) dispersion
- 55 Hz – 19 kHz frequency range
- 124 dB maximum SPL
- Switchable low-cut at 50/110 Hz
- Multi-purpose cabinet
- Suitable as floor monitor
- Extensive mounting accessories

Fields of Application

- Clubs, Discotheques
- Concert halls, theatres
- Large rooms, halls
- Monitor applications
- PA and mobile systems

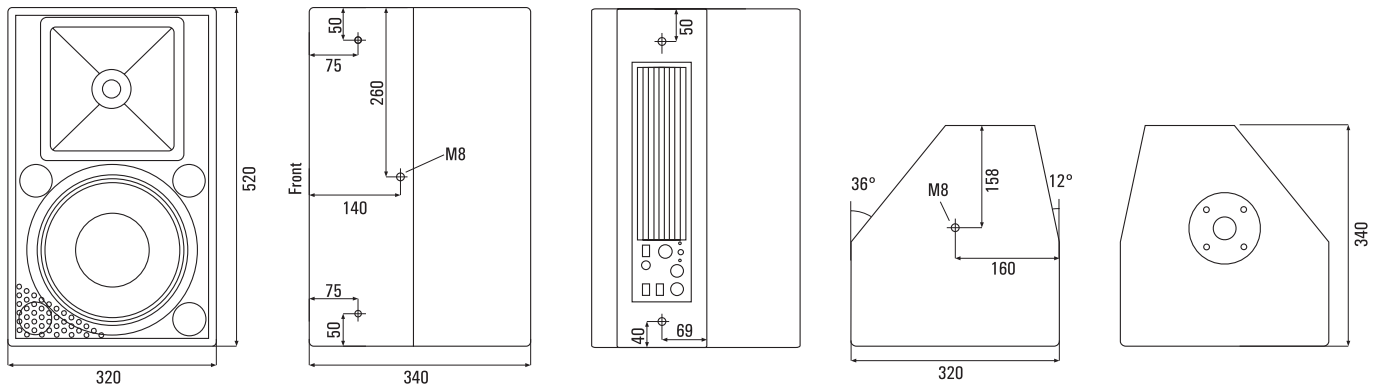


Amplifier section
with operational controls

F 10 A

Active PA Speaker

Dimensions



Technical Data

Principle	2-way active speaker with digital amplifier module
Components	10" woofer + 1" driver with CD horn
Frequency range	55 Hz – 19 kHz
Amplifier output	400 watts woofer, 80 watts driver
Maximum SPL	124 dB @ 1 m
Nominal dispersion (H × V)	80° × 60°
Dimensions (W × H × D)	320 × 520 × 350 mm
Weight	22 kg
Cabinet	Multi-purpose cabinet, plywood, trapezoidal, textured paint, threaded inserts M 8 on sides/on top/at bottom, front metal grille lined with foam, 36° + 12° floor monitor angle
Connectors	Input XLR + THRU OUT
Mains	Powercon, 230 V AC
Operational controls	Input-gain control, power ON/OFF, switchable ground-lift low-cut filter @ 50/110 Hz
Displays	LED ON/Limit, LED Fault
Warranty	5 years

Model

Order-No.

Version

F 10 A Black	1409-0002	RAL 9005, textured paint
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Other colours and versions on request

Accessories

Order-No.

Version

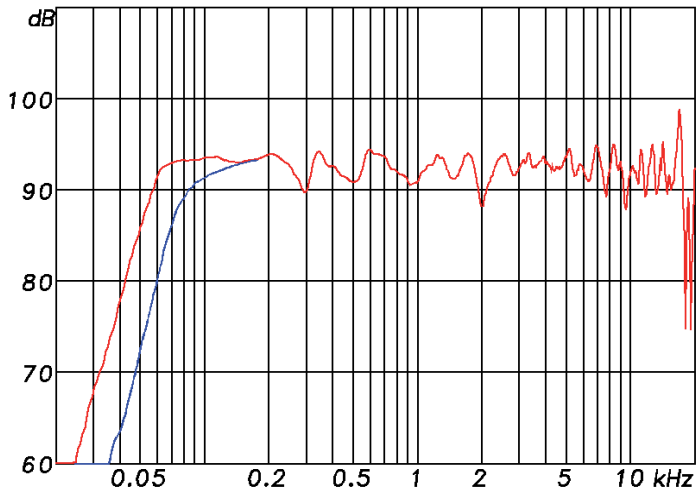
UB 10	7114-0015	U-bracket for vertical installation incl. mounting accessories, powder-coated, black
UB 10 Q	7114-0016	U-bracket for horizontal installation incl. mounting accessories, powder-coated, black
WH 400	7114-0031	Wall-mount, powder coated, black

F 10 A

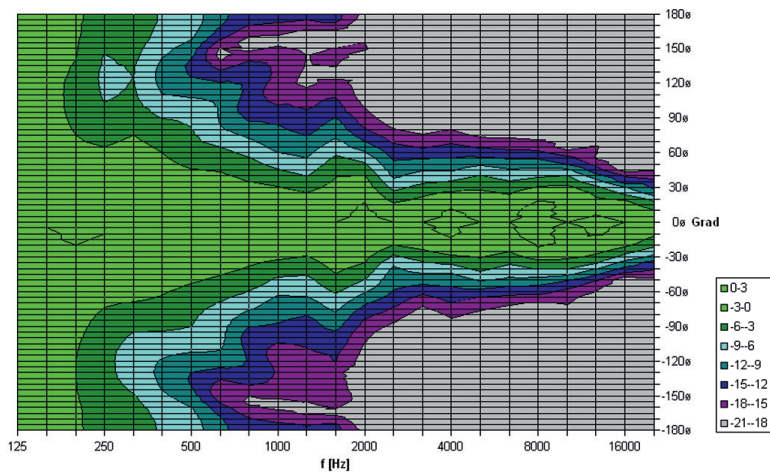
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Measuring Diagrams

F 10 A Frequency response (low cut 50 / 110 Hz)



F 10 A hor. directivity plot



F 10 A vert. directivity plot

