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МУЗЦЕНТР
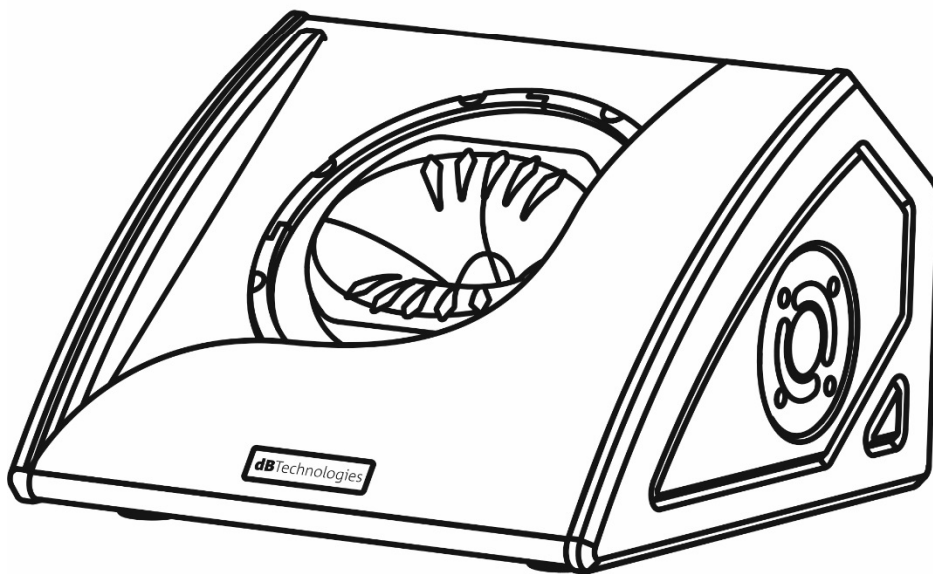МУЗЫКАЛЬНОЕ ОБОРУДОВАНИЕ

https://muzcentre.ru

FLEXSYS FMX10
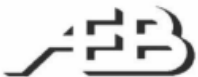
Quick start user manual
Section 1

The warnings in this manual must be observed together with the "USER MANUAL - Section 2".
Le avvertenze nel presente manuale devono essere osservate congiuntamente al "MANUALE D'USO - Sezione2".
Die Warnungen in diesem Handbuch müssen in Verbindung mit der "BEDIENUNGSANLEITUNG - Abschnitt 2" beobachtet werden".
Les avertissements specifiés dans ce manuel doivent être respectés ainsi que les "CARACTERISTIQUES TECHNIQUES - Section 2"
Las advertencias del presente manual se deben tener en cuenta conjuntamente con las del "MANUAL DEL USUARIO" - Sección 2".

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Thank you for choosing a dBTechnologies Product!

The FMX 10 is a versatile coaxial active stage monitor. It is equipped with one 1" compression driver (1" voice coil), and one 10" woofer (2" voice coil). The coverage pattern is 60° (H) x 90° (V), (the horn is rotatable) and the mechanical design allows also the vertical usage (36 mm diameter pole mount hole). A powerful DSP can adapt the live or playback performances to different usage scenarios. The balanced audio input allows the usage of a microphone or a line source (a mixer or instrument).

Check the site www.dbtechnologies.com for the complete user manual!
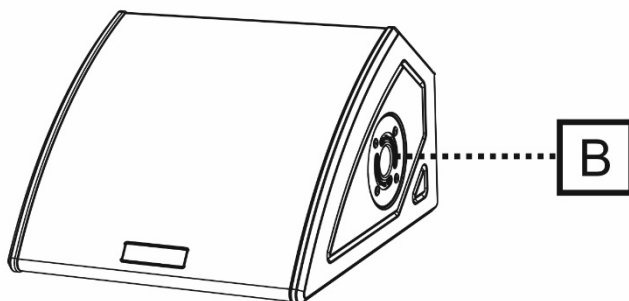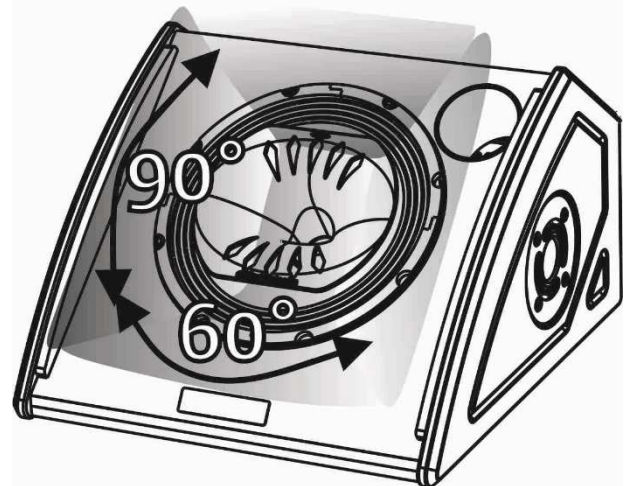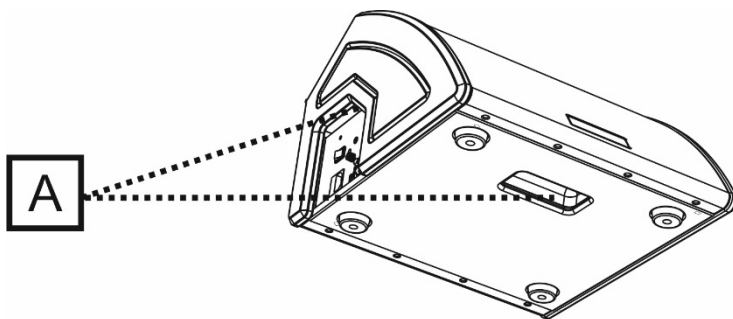
1) Unpacking
The box contains:
N°1 FMX 10
N°1 Mains cable (VDE)
This quick start and warranty documentation

2) Easy installation
FMX 10 is equipped with:

The acoustical design allows to face different environments. The dispersion pattern is shown in the upper picture.
As described, the related pattern data are:

a) vertical coverage: 90°
b) horizontal coverage: 60°

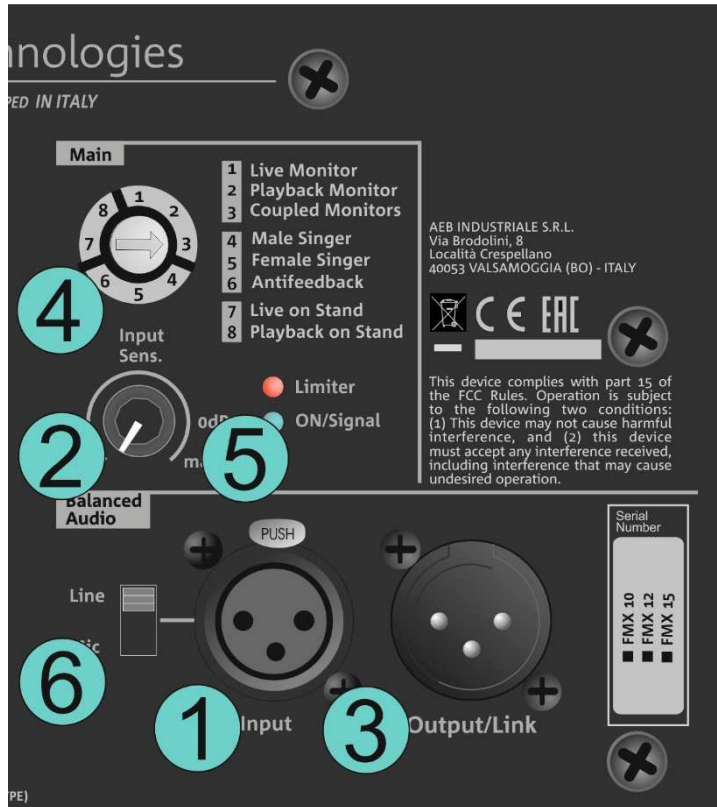The horn is rotatable. See other information in the complete user manual.

A –Integrated/inner handles
B – 36 mm pole mount

Those mechanical particulars were thought for an easy use and for different configuration needs.
In case of vertical usage, please see also the EQ configuration in "Connections and controls" section.

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3) Connections and controls

Main

1 Live Monitor
2 Playback Monitor
3 Coupled Monitors
4 Male Singer
5 Female Singer
6 Antifeedback
7 Live on Stand
8 Playback on Stand

AEB INDUSTRIALE S.R.L.
Via Brodolini, 8
Località Crespellano
40053 VALSAMOGGIA (BO) - ITALY

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Input Sens.

Limiter
ON/Signal

Balanced Audio

PUSH

Line
Mic

Input

Output/Link

Serial Number

FMX 10
FMX 12
FMX 15

All the connections and controls are in the amplifier panel, on the side of the monitor:

POWER
ON   OFF

"CAUTION"
RISK OF ELECTRICAL SHOCK
DO NOT OPEN
"ATTENTION"
RISQUE DE CHOCH ELECTRIQUE
NE PAS OUVRIR

FUSE   MAINS INPUT

(REPLACE FUSE WITH SAME RATINGS)
(REMPLACER LE FUSIBLE AVEC LE MÊME TY

1) Balanced Audio Input
2) Input sensitivity
3) Output/Link
4) Main EQ Rotary
5) Status LEDs
6) Line/Mic switch
7) VDE input with fuse
8) Power ON/OFF switch

a) Connect the audio input (**1**). In case of a microphone, plug it and select "Mic" in the Input sensitivity switch (**6**). In the other cases check that the switch is set on "Line". Adjust the level of Sensitivity (**2**).

b) If you need to link FMX 10 to another one, please use a cable with XLR connectors (not supplied). Connect the Link output (**3**) of the first, to the balanced Input (**1**) of the second one. In the second loudspeaker, please check that the switch (**6**) is set on "Line" position and that Sensitivity (**3**) is set to the correct value.

c) Set properly the DSP preset using the Main EQ Rotary (**4**). You can choose between:

1. **Live Monitor,** for a single monitor use on the stage in live performance
2. **Playback Monitor,** for a single monitor use on the stage in playback performance
3. **Coupled Monitors,** for a double monitor live usage
4. **Male Singer,** to enhance male vocal performance
5. **Female Singer,** to enhance female vocal performance
6. **Antifeedback**, to avoid Larsen effect in live performaces
7. **Live on Stand,** for an optimization of the monitor in vertical usage and live performance
8. **Playback on Stand** for an optimization of the monitor in vertical usage and playback performance

d) Plug properly the mains VDE input cable (supplied) in the related input (**7**). Then switch the POWER switch (**8**) to "ON" position. Increase gradually the volume of the audio source to the desired level.

Check the complete user manual on www.dbtechnologies.com for further information about the system and available accessories.

Scarica il manuale completo da **www.dbtechnologies.com** per ogni ulteriore informazione sul sistema e sugli accessori disponibili.

Für weitere Informationen und verfügbares Zubehör lesen sie bitte die vollständige Bedienungsanleitung unter www.dbtechnologies.com.

Vérifiez le manuel de l'utilisateur complet sur **www.dbtechnologies.com** pour des informations complémentaires du système et des accessoires disponibles.

Compruebe el manual de usuario completo sobre www.dbtechnologies.com para la información adicional sobre el sistema y accesorios disponibles.

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Technical Data

Speaker Type: Coaxial Active Stage Monitor
Usable Bandwidth [-10 dB]: 57 – 19000 Hz
Frequency Response [-6 dB]: 65 – 16500 Hz
Max SPL (1 m): 125 dB
HF compression driver: 1 " Exit
HF voice coil: 1"
LF: 10"
LF Voice Coil: 2"
Crossover frequency: 1800 Hz (24 dB/oct)
Horizontal dispersion: 60° (rotatable horn)
Vertical dispersion: 90° (rotatable horn)

Amplifier

PSU Technology: SMPS
Amp Class: Class-D
RMS Power: 400 W

Operating voltage (factory internal setup):

220-240V~ (50-60Hz) or
100-120V~ (50-60 Hz)

Processor and user interface

Controller: 28/56 bit DSP
AD/DA Conversion: 24 bit - 48 kHz
Limiter: Peak, thermal, RMS
Controls: DSP programs rotary encoder, Line/Mic switch, Input Sensitivity level

Input / Output

Mains connections: VDE
Signal Inputs: 1 x balanced XLR connector
Signal Out/Link: 1 x balanced XLR connector

Mechanics

Housing: Wooden Box
Grille: Full metal grille
Pole Mount Hole: Yes, 36 mm
Width: 390 mm (15.35 in)
Height: 268 mm (10.55 in)
Depth: 411 mm (16.18 in)
Weight: 11.3 kg (24.9 lbs)

Scan with your QR Reader App to download the complete User Manual

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POWER SUPPLY SPECIFICATIONS (POWER ABSORPTION)

Draw at 1/3 of full power in maximum use conditions (**): 0.8 A (220-240V~) - 1.4 A (100-120V~)

** INSTALLER NOTES: The values refer to 1/3 of full power, in heavy operating conditions (music program with frequent clipping or activation of the limiter). We recommend sizing according to these values in case of professional installations and tours.

Download the complete user manual from the site:
www.dbtechnologies.com/EN/Downloads.aspx