

ARM-880

Order no.: 0173800

PRODUCT INFORMATION

Audio Matrix System
The system ARM-880... from MONACOR is a highly flexible PA solution for multi-room applications. It is ideally suited for applications in hotels, in restaurants and bars, in conference rooms, schools, sports facilities and fitness centres. Eight different audio sources, e.g. CD players, SAT receivers, radio programmes can be distributed to 8 output zones, assignment as required.
The audio matrix router ARM-880 is the centrepiece of the system. For operation, one amplifier is required for each output used. This may be an individual power amplifier or an active speaker system. Matching wall modules ARM-880WP1, ARM-880WP2 and ARM-880WP3 for remote control of ARM-880 or with additional local inputs for the respective zone are available at option.
With a master/slave connection, it is possible to extend the system to up to 32 output zones.
Connections for various alarm signals and a local microphone are available.
Announcements can be made via 2 optional zone paging microphones ARM-880RC with zone selection.

Audio matrix router

- 8 audio inputs and 8 audio outputs
- Inputs 1-4, line, with gain control
- Inputs 5-8, switchable line/mic
- 2 zone paging microphones ARM-880RC and 1 local microphone (for all zones) can be connected
- 1 additional audio input for each zone, non-routable, with gain control
- 8 wall modules ARM-880WP... can be connected as remote control
- Extendable to up to 32 zones

- Microphone, music and master volume controls for each zone
- 2-way tone control for each zone
- Priority management
- Emergency announcement with priority for each zone, even when extended
- 3 different alarm signals
- 7-segment LED display for each zone
- Clipping indicator
- Monitoring function with built-in speaker
- 482 mm (19") rack installation
- Mains operation or 24 V emergency power operation

Manufacturer information:

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Safety Notes and Warning Messages

The unit uses dangerous mains voltage. Leave servicing to skilled personnel only and do not insert anything into the air vents. Inexpert handling may result in electric shock.
Do not operate the unit and disconnect the mains plug from the socket immediately if the unit or the mains cable is visibly damaged; if a defect might have occurred after the unit was dropped or suffered a similar accident, if malfunctions occur. In any case, the unit must be repaired by skilled personnel.
The unit is suitable for indoor use only. Protect it against dripping water and splash water, high air humidity and heat (admissible ambient temperature range: 0 - 40 °C).
Never pull the mains cable to disconnect the mains plug from the socket, always seize the plug.
If the unit is to be put out of operation permanently, take it to a local recycling plant for a disposal which is not harmful to the environment.

SPECIFICATIONS

ARM-880

General Information

Frequency range	20-20,000 Hz (line)80-18,000 Hz (mic)
Mic 1	300 mV/660 Ω
Zone paging microphone	500 mV/10 kΩ
line 1-4	195 mV-2 V/47 kΩ
line 5-8	350 mV (line)5 mV (mic)
zone 1-8	300 mV-1.1 V/10 kΩ

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Emergency announcement	775 mV/10 kΩ
Outputs	
zone 1-8	1.5 V/600 Ω
Equalizer bass	± 10 dB/100 Hz
Equalizer treble	± 10 dB/10 kHz
S/N ratio	> 65 dB (mic)> 85 dB (line)
THD	< 0.07%
Admiss. ambient temp.	0-40 °C
Power supply	˜ 230 V/50 Hz/30 VA
Dimensions	484 x 138 x 325 mm, 3 RU
Weight	10.73 kg

Connections

Mic 1	1 x XLR
Zone paging microphone	2 x RJ45
Line 1-4	4 x RCA L/R
Linie/Mic 5-8	4 x plug-in screw terminal
Zone 1-8	8 x plug-in screw terminal (IN)8 x plug-in screw terminal (OUT)
Wall modules	8 x RJ45
Fire alarm	9-pole plug-in screw terminal
Emergency announcement	1 x plug-in screw terminal
24 V DC	1 x plug-in screw terminal
Alarm	1 x plug-in screw terminal
EVAC	1 x plug-in screw terminal
Extension	2 x D-sub DC37(IN/OUT)

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EAN code	4007754231687
Net weight	10.73 kg