

ARM-880 - Matrix / Paging System

482 mm
19"



Audio Matrix System

The system ARM-880... from MONACOR is a highly flexible PA solution for multi-room applications. It is ideally suited for the application in hotels, in restaurants and bars, in conference rooms, schools, sports 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 heart of the system. For the 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 the remote control of ARM-880 and with additional local inputs for the 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 the 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

Technical Data

Frequency range	: 20-20,000 Hz (line) 80-18,000 Hz (mic)
Mic 1	: 300 mV/660 Ohm
Zone paging microphone	: 500 mV/10 k Ohm
line 1-4	: 195 mV-2 V/47 k Ohm
line 5-8	: 350 mV (line) 5 mV (mic)
zone 1-8	: 300 mV-1.1 V/10 k Ohm
Emergency announcement	: 775 mV/10 k Ohm
zone 1-8	: 1.5 V/600 Ohm
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	: 482x142x325 mm, 3 RS
Weight	: 6 kg
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 current	: 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)