

VLM-100 A | for all-call

Microphone-station (condenser) for announcements in pre-selected zones with pre-chime and priority-switch through RJ45-jack.



Microphone station..... VLM-100A
digital, for MXA-4120A

MXM-104 | for 4 zones

Digital microphone-station to select the 4 individual speaker circuits. Status indicator with LED for zones, busy, talk, signal, power, and microphone-failure.



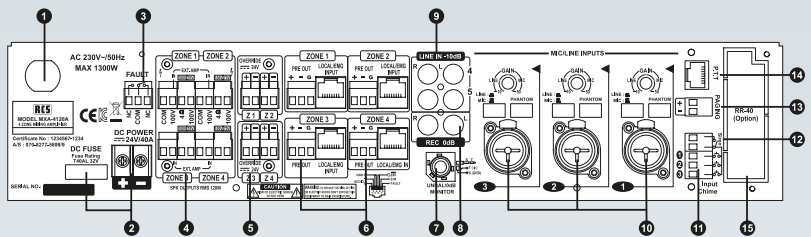
Microphone station..... MXM-104
for remote control of 4 speaker zones and "all-call".
Microphone station..... MXM-104 WO
as MXM-104 but without interface RR-40

MXE-400 W | incl. text memory

Wall-microphone station with hand-microphone as well as built-in digital text memory to save announcements with a max. duration of 60 sec.



Wall-microphone station.... MXE-400W
incl. text memory max. 60 s



- ① AC-power supply connection cable
- ② DC-power supply connector (24V DC)
- ③ FAULT, Fault relay
- ④ 100V and 70 V speaker outputs, separated into 4 individually controllable circuits
- ⑤ 24V DC V/R priority output
- ⑥ LINE 1-4 PRE-OUT and alarm signal input
- ⑦ Monitoring, jack 6,3 mm
- ⑧ REC Out, 0dB, Cinch
- ⑨ Line 4-5 input, cinch
- ⑩ MIC/LINE inputs 1-3
- ⑪ Contact to remote control chime
- ⑫ Contact to remote control siren
- ⑬ PAGING input
- ⑭ Port for VLM-100A microphone station
- ⑮ Port for receiver-module RR-40 (optional), to connect speaker microphone MXM-104

Technical data	MXA-4120 A
Frequency range	4x 120 W RMS (max. 4x 180W)
THD	45 Hz – 20.000 Hz (-3dB)
Noise level	better than 0,3% at 1 kHz
Cross Talk	MIC: better than 75dB; LINE: better than 90dB
Inputs	MIC/LINE 1-3: -50 dBu (2.45 mV), 5 kohms, balanced MIC/LINE 1-3: -10 dBu (245 mV), 15 kohms, balanced LINE 4-5: -10 dBu (245 mV), 15 kohms, balanced PAGING: -10 dBu (245 mV), 10 kohms, balanced
Outputs	REC OUT: 0 dBu (775 mV), 3 kohms, unbalanced MONITOR: 0 dBu (775 mV), 200 ohms, unbalanced FAULT: relay with switching contact, 24 V max. 500 mA 24 V EMER. OUT: 24 V DC 200 mA for priority relays
Speaker outputs	100V or 70 V and low impedance 4 ohms
Power supply	230 V mains power (50/60 Hz) or 24 V DC (emergency power supply)
Power consumption	1317 W – 1/8: 3,28 A – rated: 7,16 A
Dimensions (WxHxD)	483 x 88 x 352 mm, 2 RU
Weight	approx. 22 kg

4-CHANNEL MATRIX AMPLIFIER

RCS

MXA-4120A
480 W
4x 120 W

5 IN - 4 OUT

MATRIX



Description

The MXA-4120 A ist a very compact Matrix-Amplifier. The MXA-4120 A offers the opportunity to spread up to five different input-signals randomly on to four separate speaker zones through the **integrated 5-in-4 matrix**. Each of the four zones is supplied by their own integrated 100V-power amplifier (4x 120 Watt).

Any commercial microphone can be connected to this matrix amplifier, but especially the microphone stations **VLM-100 A**, **MXM-104** as well as **MXE-400 W**.

Please consider the following features:

- Inputs 1-3 are switchable to MIC or LINE and have Gain-Control as well as shiftable phantom-power; The inputs always have priority in comparison to inputs 4 and 5 (LINE-IN).
- Inputs 1-3 (MIC/LINE) are provided with a combo-socket, inputs 4 - 5 (LINE) with a cinch-socket.
- Volume-, treble- and bass control separate for all five inputs.
- PAGING-input on screw-connectors for announcement signals (Tel.-Paging) with highest priority.
- Contacts to initiate the integrated chimes (2-or 4 sounded) prior to announcements for inputs 1 - 3, as well as siren (all-call).
- Switch to select the zones for announcement of the microphone station VLM-100 A.
- Up to four emergency-microphone-stations MXE-400 W can be connected (one microphone station for each zone).
- Integrated control-speaker, with zone selection and volume control.

- A fault-indicator output (changeover-contact) signals device-failure /device-error.
- Amplifier works with line current (230 V) or DC-24V (emergency power).

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Model designations

4-Channel Matrix-Amplifier, 480W **MXA-4120 A**
4x 120W, (5 IN / 4 OUT), 2 RU