

CLASSIC LINE

PA-M224

Order No. 0179280



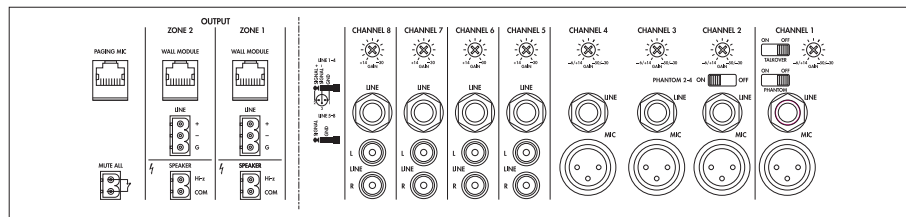
2-zone PA matrix mixing amplifier

- 240 W per zone
- 2 zones, can be controlled individually, with 2-way tone control
- Class D concept with a high efficiency to cut energy costs
- 4 adjustable mic/line inputs with 3-way equalizer and 24 V phantom power, to be activated as required
- 4 adjustable line inputs
- Mute function for muting individual zones
- Connection for external mute switch (all zones simultaneously)



- Talkover (channel 1)
- Adjustable monitor function
- 1 connection for zone paging microphone PA-M4RC
- 2 connections for wall module PA-M1WP
- 482 mm (19") rack installation

Model	PA-M224
Peak output power	2 x 290 W
Power rating	2 x 240 W
Inputs	2.5 mV/20 kΩ (mic), 2 V/20 kΩ (line)
Frequency range	20-20,000 Hz
Equalizer bass	±12 dB/80 Hz (channels 1-4) ±15 dB/80 Hz (zones 1-4)
Equalizer midrange	±12 dB/2.5 kHz (channels 1-4)
Equalizer treble	±12 dB/12.5 kHz (channels 1-4) ±15 dB/12 kHz (zones 1-4)
S/N ratio	> 70 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/800 VA
Dimensions	482 x 88 x 320 mm, 2 RS
Weight	5.7 kg



PA-M412

Order No. 0179290



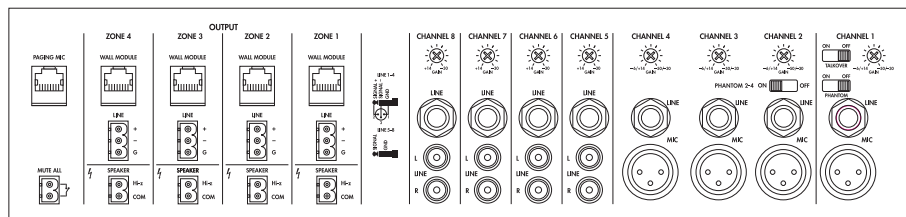
4-zone PA matrix mixing amplifier

- 120 W per zone
- 4 zones, can be controlled individually with 2-way tone control
- Class D concept with a high efficiency to cut energy costs
- 4 adjustable mic/line inputs with 3-way equalizer and 24 V phantom power, to be activated as required
- 4 adjustable line inputs
- Mute function for muting individual zones
- Connection for external mute switch (all zones simultaneously)



- Talkover (channel 1)
- Adjustable monitor function
- 1 connection for zone paging microphone PA-M4RC
- 4 connections for wall module PA-M1WP
- 482 mm (19") rack installation

Model	PA-M412
Peak output power	4 x 170 W
Power rating	4 x 120 W
Inputs	2.5 mV/20 kΩ (mic), 2 V/20 kΩ (line)
Frequency range	20-20,000 Hz
Equalizer bass	±12 dB/80 Hz (channels 1-4) ±15 dB/80 Hz (zones 1-4)
Equalizer midrange	±12 dB/2.5 kHz (channels 1-4)
Equalizer treble	±12 dB/12.5 kHz (channels 1-4) ±15 dB/12 kHz (zones 1-4)
S/N ratio	> 70 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/860 VA
Dimensions	482 x 88 x 320 mm, 2 RS
Weight	6.2 kg



PA-M1WP

Order No. 0179300

Wall module, for local insertion of audio signals to PA matrix mixing amplifier PA-M224 or PA-M412.

- Intended application: volume control of respective zone, local insertion of audio signals
- 2 x RCA jack for line signals
- Microphone connection via 3-pole XLR jack
- 14 V phantom power, to be activated as required
- Volume control
- Signal selector button with LED indication which allows a priority circuit



of locally inserted audio signals (MIC or LINE) in the respective zone

- Connection to PA-M224 or PA-M412 and power supply via RJ45 jack and Cat. 5 network cable (copper, supplied w/o cable), for cable lengths up to 200 m
- Matching flush-mounted housing ATT-300C is available at option

PA-M4RC

Order No. 0179310

PA zone paging microphone, for PA matrix mixing amplifier PA-M224 or PA-M412.

- 4 zone selector switch
- ALL-CALL button
- Plug-in electret gooseneck microphone (3-pole XLR jack)
- Phantom power for gooseneck microphone
- LED indication for signal status
- Power supply via PA-M224 or PA-M412
- Connection to PA-M224 or PA-M412 via RJ45 jack and Cat. 5e network



cable (copper, supplied w/o cable), for cable lengths up to 200 m