

PROPHON

COMMERCIAL AUDIO

SOLUTIONS FOR COMMERCIAL AUDIO AND PUBLIC ADDRESS INSTALLATIONS

Pre-amplifiers, zonemixers, matrix mixers, amplifiers, mixer amplifiers, zonemixer amplifiers, DSP processors, DSP matrix processors

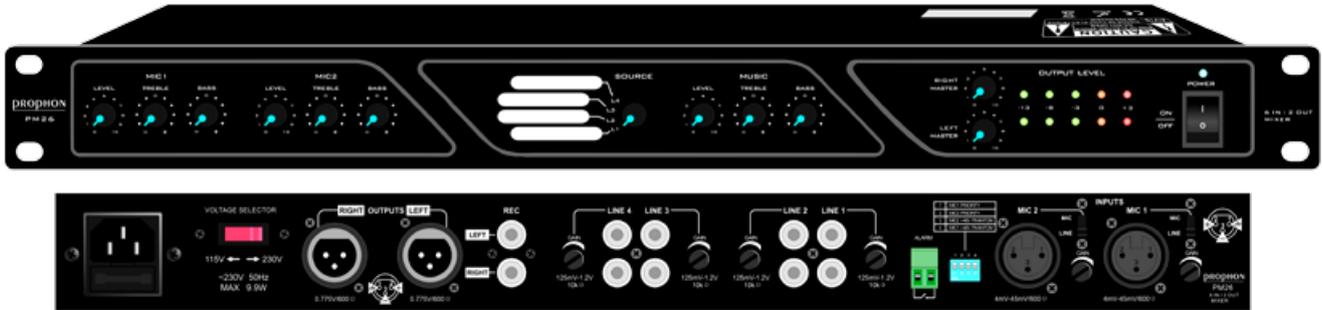


SWEDEN SINCE 1985

19" mixers and pre-amplifiers

PM26 - Pre-amplifier mixer

6 Input / stereo output



Description

The PMA26 was designed for installations where the end-user has limited know-how, and the system must be easy to operate and use, like in schools, churches, work-out facilities, restaurants, shops, boutiques etc. The mixer can be used in a variety of ways with up to six line input, or two microphone in and four line in, with separate input gain control on all inputs. Mick 1 and 2 has separate volume, bass, treble controls accessible on the front panel for easy and user-friendly functionality, Line 3, 4, 5 and 6 features a source select switch with combined volume, bass and treble controls, since only one of the four line input can be selected with the source select switch at the same time. There is left and right balanced XLR master out, with two separate master volume controls, PMA26 Also features unbalanced stereo RCA rec out.

Specifications

- 6 input / stereo output
- 2 balanced mick/line in
- 4 unbalanced stereo RCA in
- Separate volume for mick 1-2
- Separate volume for in 3-6
- Separate bass & treble for mick 1-2
- Separate bass & treble for line 3-6
- Separate gain on all input channels
- 4 stage priority select settings
- Alarm input (EMC)
- Balanced XLR stereo output
- Rec unbalanced stereo RCA output

PM28 - Pre-amplifier Zonemixer

8 Input / 4 output



PM28 - 19" Zone mixer pre-amplifier, with 8 input and 2x2 zone outputs
Input 3-6 via balanced XLR can be used as mick in, phantom powered mick on, or Line in. 7-8 line input via unbalanced stereo. On the front panel, channel 1 features a balanced XLR in and channel 2 features an unbalanced stereo RCA in, for quick-connecting a mick and a sound source such as Phone, MP3-player computer etc. Each input features bass and treble adjustments, gain and volume. There are Two separately controllable zones out, using four balanced XLR connectors. Additionally there are two unbalanced out for zone 3 and 4, Using the RJ485 enables external control of the audiobus.

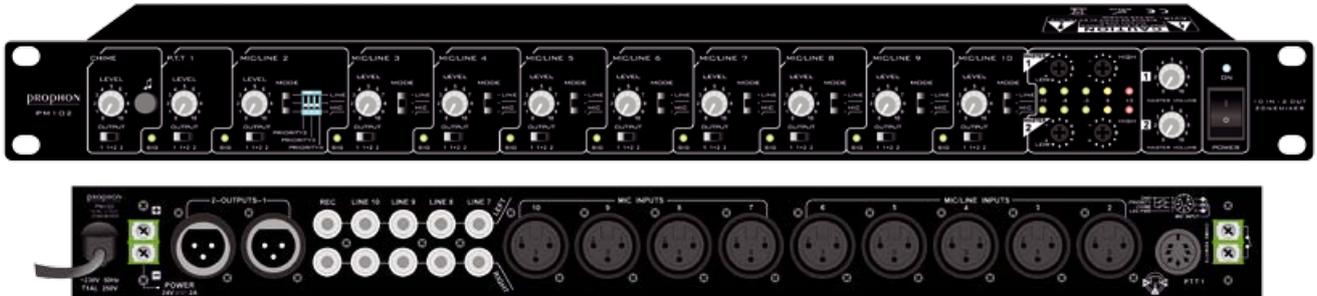
Specifications

- 8 input / 2 zone output
- 4 balanced mick/line/phantom in
- 4 unbalanced stereo RCA in
- Separate volume on all input ch.
- Separate input gain on 1-4
- Separate bass & treble on all input ch.
- 2 x RJ485 Audio bus connectors
- Alarm input (EMC)
- 4 x Balanced XLR output
- 2 x unbalanced RCA output

19" zone-mixer matrix & media player

PM102 - Pre-amplifier Zone matrix mixer

10 Input / 2 output



PM102 - 19" zone matrix mixer with 10 input and 2 zone output

Each input channel features a select switch for addressing the source to one or more output zones: | channel 1 | channel 2 | channel 1+2 | Channel input 2 has priority settings.

All input channels features a mic/line select switch, with fullrange or Hi-pass filter for mic select.

Input 2 to 6 uses balanced XLR input connectors,

Input 7-10 features both balanced XLR input and unbalanced stereo RCA input.

Input 1 is an external gooseneck announcement mic, with priority function.

There is also a pair of unbalanced stereo rec. output.

seperate bass/treble on each output,

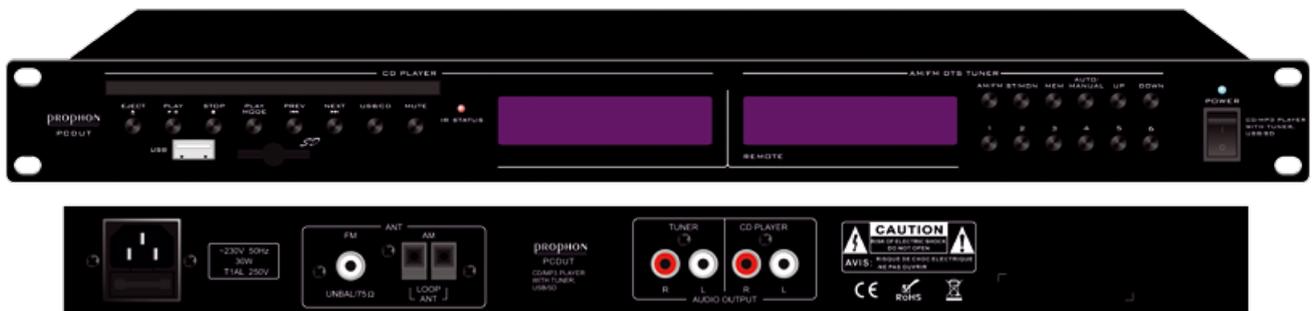
seperate volume control for each of the two output zones.

Specifications

- 10 input channels
- Ch. 1 is dedicated to the PTT mic
- Ch. 2-10 features mic/line/HP-mick
- Ch. 2-10 in can be addressed to:
1 out / 1+2 out / 2 out
- Input 7-10 features balanced XLR input and unbalanced stereo RCA input
- Input 2-6 features balanced XLR input
- Master out 1 & 2 features individual volume, bass & treble
- Input 2, features priority override

PCDUT - MEDIA PLAYER

With CD, MP3 player, Tuner



PCDUT - 19" Media player with USB/SD- MP3-player, CD and Tuner

With two unbalanced stereo RCA output (one for CD/MP3, and one for tuner)

Tuner functions such as memory, autosearch, DTS.

The MP3-player uses both USB and SD-card for playback.

Remote IR control included.

Specifications

- 2 unbalanced stereo RCA output
- AM/FM radio tuner
- Combined CD/MP3-player
- IR remote control
- USB or SD card for playing MP3
- MP3 player
- 19" rackmountable or table top
- Two displays for Tuner & CD/MP3
- MP3 player can handle most formats

Amplifier, mixer amplifier

PMA240 - Mixer amplifier, 240W with MP3-player 5 input, bass/treble controls



PMA240 - 1RU class-D 240W mixer amplifier, with MP3-player

The PMA240 is a 1RU, 19" 240W class-D mixer-amplifier with 70V / 100V option (no low impedance option) Furthermore, there is an USB / SD MP3-Player and 5 external input source connectors, Input 1 is connected on the front panel, for easy access, but also features a parallel balanced input in the back. Input 2 and 3 features balanced phoenix connectors in with mick/line/phantom select option. Input 4 features AUX/mick/line/phantom in via balanced phoenix connector, and/or unbalanced stereo RCA. Input 5 connects through a unbalanced RCA stereo input. The PMA240 host an abundance of extra functions such as: priority input with adjustable mute, EMC input, remote mute. Output section features bass / treble adjustments, and master volume, Stereo mix out for adding extra amplifiers, thus expanding the sound system. The PMA240 is the perfect choice for installations in shops, restaurants, coffehouses, stores, work-out facilities, bars etc.

Specifications

- 240W 70V/100V amplifier output
- Built-in MP3-player via USB or SD
- 5 input with seperate volume contr.
- Mick in 1 via front panel or back panel
- Input 2-4 via balanced Phoenix connector, with line/mick/phantom select switch
- 2 unbalanced stereo RCA Aux in
- Remote mute function
- EMC in with priority override
- Unbalanced stereo RCA mix out
- Bass & treble adjustment on output
- Only hi-Z out, no Lo-Z output

P260WM - Mini 2x60W class-D amplifier P220WM - Mini 2x20W class-D amplifier



Compact amplifiers 2 x 60W (P260WM) 2 x 20W (P220WM)

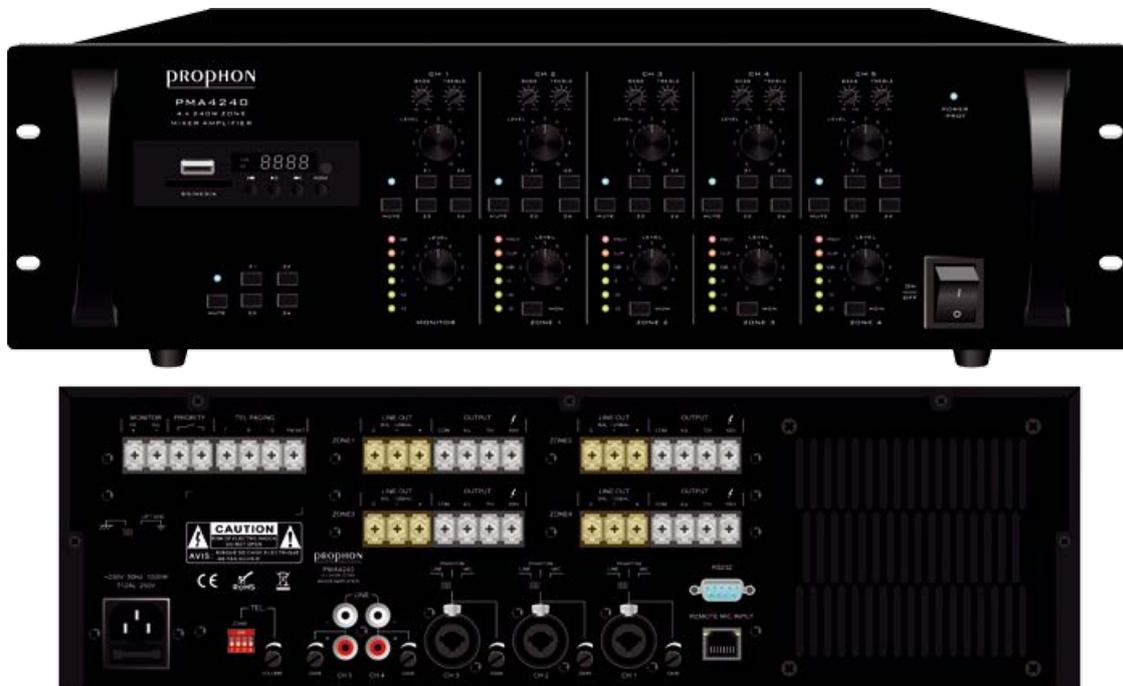
Designed for small installations in conference rooms and other environments where a standard 19" amplifier does not fit, or maybe there is no 19" rack to mount amplifiers in. Class-D amplifiers with switched mode powersupply, The P260WM can easily power 4 pcs. of 8 ohm installation speakers, such as the VPS802. Featuring stereo / parallell input, balanced or unbalanced, seperate volume controls, mic / line select switch in. Bass and treble, limiter on/off. *The P260WM is also available in a smaller version with 2x20W, called P220WM*

Specifications

- Two models: 2x60W and 2x20W
- Unbalanced RCA stereo input x 2
- Balanced stereo input
- Mick/line select switch
- Seperate gain
- bass/treble control
- Limiter on/off
- Can be used in stereo or parallell mode
- Class-D amplifier technology
- Switched mode powersupplies

zonemixer, matrix amplifier

PMA4240 - Zonemixer matrix amplifier 4 x 240W 70V/100V/4-16ohm



PMA4240 - 4 x 240W zone matrix mixer amplifier, with MP3-player

The PMA4240 is an extremely versatile 3RU, 19" mixer-amplifier with featuring signal matrix and zone functions.

With 4 separate addressable zones out, and with built-in USB / SD MP3-Player.

5 external sound source input option, mic 1-3 input features balanced XLR/TELE combo in with mick/line/phantom select switch, input 4 and 5 connects through unbalanced stereo RCA connectors.

The PMA4240 houses four separate amplifiers with 240W each, for a total of 960W amplification, with 70V / 100V / 4-16 ohm option.

Each output zone also features a balanced signal line output, for connecting other equipment, such as more powerful amplifiers or other sound systems. Each input source features bass and treble adjustment on the front panel, for tuning of the signal, and also features gain controls in the back for adjusting the sensitivity of the input signal.

The remote tabletop gooseneck announcement microphone PTM412 connects with the RJ485 connector and a standard network canle.

An abundance of extra functions is added, such as built-in 1W zone monitor amplifier for connecting 8 ohm speaker for listen-in on each zone, TEL input, EMC in, priority select, total freedom in signal routing between input and output, TEL paging, RS232 in.

The PMA4240 was designed for schools, restaurants, bars, stores, offices, work-out facilities, warehouses and other public address installations in need of a product with several sources for distributing independently over several zones, with built-in 4 zone amplifiers, where the zone signal line output can help to expand the system to other zones, or for adding more powerful amplifiers if needed.

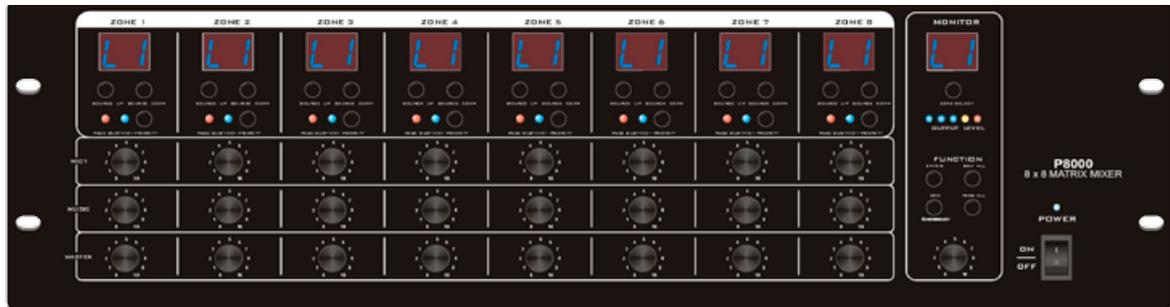
Specifications

- 4 x 240W amplifiers 70V/100V/4-16ohm
- Built-in MP3-player
- 4 x balanced signal line out
- Matrix signal routing between in and out
- 4 zone output with individual volume
- Monitor amplifier for zone listening
- In 1-3 balanced/unbalanced XLR/TELE combo with mick/line/phantom switch
- In 4-5 Unbalanced stereo RCA
- All inputs (incl. MP3-player) can be routed with total freedom to one, several or all of the four outputs
- Separate gain on all input in the back
- TEL input with zone-address
- Remote zone-mick PTM412 via RJ485
- Separate volume, bass & treble on all input channels
- External priority input
- Priority order select
- RS232 connector for external control system



Signal matrix distribution system

PZM8000 - Signal Matrix 8x8 Zone matrix signal distribution



PZM8000 - 8x8 Signal matrix

There is virtually nothing you cannot do with the PZM8000!

Featuring 8 input and 8 output, only your imagination sets the limit!

All input channels have gain, bass, treble and zone panel input. All inputs can be addressed to all, some, or one output without limitations. All features in the PZM8000 are set using "hardware", there is no computer software, every function has a button, switch or potentiometer. Basically any sound source, line, mic, external wall panel can be routed and addressed to any output.

The front panel is designed to be easy to use, even though the functions and features in the back is advanced. Input 1-4 consists of unbalanced stereo RCA connectors, Input 5-8 features balanced phoenix connectors with select switch for signal/mic/phantom. There are also several different models of wall panels for local source select, volume, external local zone input, the wall panels are connected with a standard CAT5E cable and RJ45 connector.

Each input also features a balanced signal local input, for connecting external local sources in each zone. The monitor section is an easy way to let the user know what source is playing on each output. Furthermore, several units can be cascaded up to 8 in and 24 out in master/slave mode with 8 in 32 out. There are two priority microphone input, where each microphone is a gooseneck tabletop controlsystem, able to address all, one or several zones. On the front panel the user can easily patch, address, select and control which source routes to each output zone, with individual and separate unique gain.

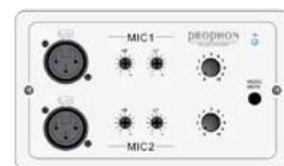
Each zone output is accessible on the front panel in a very logic and basic setup, where master volume, music and mick can be separately adjusted.

and where source 1-8 can be selected.

There is 8 x fire alarm contact closures, EMC input, EVAC in, and a 24V DC in for safety measures.

Specifications

- 8 x 8 Signal matrix pre-amplifier mixer
- Input 1-4, stereo unbalanced RCA
- Input 5-8, balanced phoenix connectors with line/mick/phantom switch
- Separate gain on all input channels
- Priority XLR mick in with gain, LF, HF
- 2 x paging mick in via RJ485, for zone-paging and announcements
- EMC in with adjustable override priority
- 8 x fire alarm input
- Expandable up to 4 units (8 in x 32 out)
- Each output zone can feature an external zone-wall panel for local control
- Each panel in the zone out can select source, and adjust volume of zone
- 3 panels available, with local mick and line input and local volume.
- Each output channel features balanced phoenix connector, gain, hf, lf, page-gain, RJ485 remote wall input, balanced remote signal input, remote input gain.
- On the frontpanel, each zone out features source select 1-8, priority, mick volume, music volume and master volume



Multi-channel amplifier

P4700 - 4 channel amplifier

4x350W / 8ohm, 4x550W / 4 ohm, 4x750W / 2 ohm



P4700, 4 channel class-D amplifier

Designed to be a reliable work-horse, the 4-channel P4700 class-D amplifier with switched mode power-supply is housed in a 19", 1RU height chassis, perfect for installation and portable use.

Using the dip-switches in the back, the P4700 can be set to function as a four channel amplifier with four individual inputs, or a four channel amplifier with two inputs, or a three-channel amplifier, where two channels is bridged, delivering up to 1350W into 4 ohms (900W in 8 ohm) for mono subwoofer channel, and two stereo channels with 500W into 4 ohms each (2x750W into 2 ohms, 2 x 350w into 8 ohms each) or for use as a 2-channel amplifier with 2x1350W into 4 ohms (2x900W into 8 ohms)

For portable use, the P4700 can run four monitor systems, or small subwoofers with top speakers in a stereo configuration.

For a more powerful setup, use two amplifiers bridged, with 1350W into 4 ohm for each channel, easily powering a PA-system with subwoofers and top speakers.

For installation the P4700 is very versatile because of the many input/output possibilities. it can be used as a surround or delay amplifier with four zones, as a subwoofer amplifier with 2x1350W, or a top speaker amplifier using 4 x 750W or 2 x 1350W.

Specifications

- 4 x 350W into 8 ohms
- 4 x 550W into 4 ohms
- 4 x 750W into 2 ohms
- 2 x 900W bridged into 8 ohms
- 2 x 1350W bridged into 4 ohms
- 1 x 1350W + 2 x 550w into 4 ohms
- Stereo, parallell or bridge mode
- only 5,5 kg. in weight
- only 350 mm. in depth
- 1RU, 19" chassis
- Neutrik powercon input power connector
- 4 x balanced XLR input
- 2 x Neutrik NL4MP connector output with 1+/1- and 2+/2- pins out
- Reliable and stabile
- 4 fans with front to back air-flow
- Low distortion levels of 0,05%THD
- RMS power, not peak or cont.

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