

available in 3 power classes  
**120-240-480 W**



MS-050P



Supplied with 19" mounting brackets.

**Description**

The PA center of the "CPA-5000 Series" is available in 3 power classes: **120 W**, **240 W** and **480 W**. The units include 5 100 V and 70 V speaker circuits, which can be switched and controlled separately.

They feature chime, siren, phantom power and priority switching and are well-suited for professional audio applications.

Please consider the following features:

- The PA center operates on mains power (230 V) or 24 V DC.
- The speaker outputs are available as 100 V and 70 V as well as 8 ohms (low-impedance) outputs.
- All models have 5 speaker circuits which can be controlled separately on the front panel.
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- All microphone inputs are balanced and have switchable phantom power. Inputs 2, 3 and 4 can be switched to line.
- Mic input 1 has an adjustable electronic priority control.
- The AMP-IN and PRE-OUT sockets on the rear allow cascading of further amplifiers and insertion of other units such as equalizers.
- The two-tone chime and the siren can be remote-controlled and can be adjusted on the rear.
- Input 1 has voice-activated priority override, inputs 2-3-4 have contact-activated priority over AUX 5-6-7.
- The special **MS-050P** microphone station is connected through a 4-pin screw-type connector (a maximum of 3 microphone stations can be connected). It has a function to enable pre-announcement chime and priority.

- A special feature of all the models of this series is the option for integrating a sound source module into the unit. An empty compartment is provided for the installation of an additional module. The following modules are available:

**FM/AM tuner module**

12 x FM + 6 x AM memory stations

**TP-10**



**Cassette player module**

Autoreverse and pause function

**CP-10**



**Cassette/tuner module**

Functions of TP-10 and CP-10

**CR-10**



**CD/MP3- player module**

Repeat, Random, etc.

**CDP-10 M**



**MP3**

**CD/MP3- tuner module**

RDS-Tuner and MP3-/CD-Player

**CDR-10 RDS**



**MP3 RDS**

**Digital text module**

6 texts up to 4 min. 28 sec.

**DM-10**



For a detailed description of the modules see pages 20 and 21.

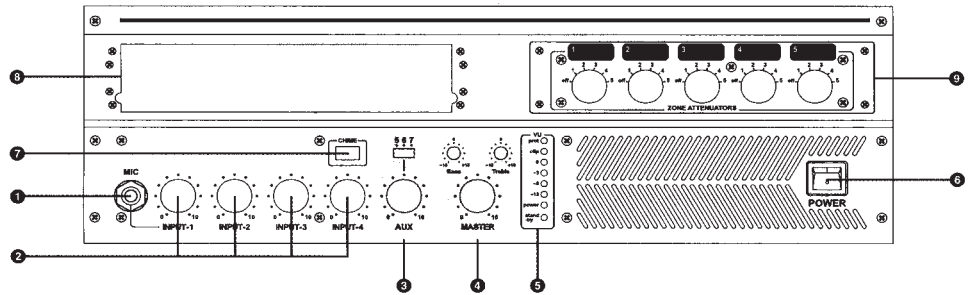
**Model designations**

- Small central unit, 120 W** (3 RU)..... **CPA-5120C**
- Small central unit, 240 W** (3 RU)..... **CPA-5240C**
- Small central unit, 480 W** (3 RU)..... **CPA-5480C**

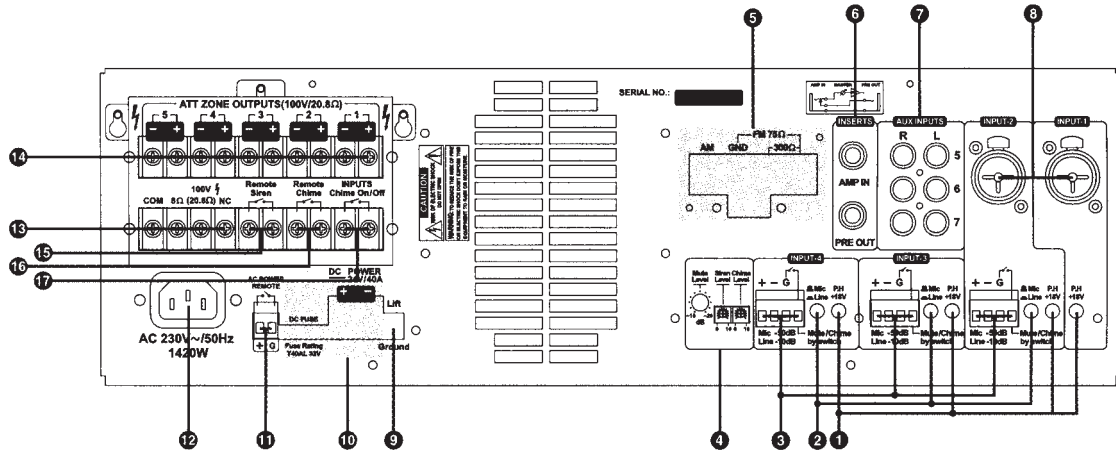
- Desktop microphone station**..... **MS-050P**  
Screw-type connector, balanced, pre-announcement chime, priority

- 1 Input for Mic 1 (priority)
- 2 Controls for input 1-2-3-4
- 3 Control and switch for AUX 5-6-7
- 4 Master volume control and bass/treble controls
- 5 LED for operating status
- 6 Power switch
- 7 Chime switch to trigger chime
- 8 Empty compartment for installation of sound source modules
- 9 5-zone switch and control panel

Front view



Rear view



- 1 Phantom power switch for input 1-2-3-4
- 2 MIC/LINE selector switch for input 2-3-4
- 3 Balanced inputs on screw-type connectors (MS-050)
- 4 Controls for chime, siren and mute level
- 5 Blank panel for antenna of TP-10, CR-10 and CDR-10 RDS or remote control of DM-10 announcement module
- 6 AMP-IN and PRE-OUT on 6.3 mm jack, unbalanced
- 7 AUX input 5-6-7 on RCA sockets
- 8 Input 1 -2 on combo sockets (XLR and jack)
- 9 Ground lift switch
- 10 24 V DC connection
- 11 Remote switch-on via "Power Remote"
- 12 IEC power inlet (cold condition)
- 13 8 ohms and 100 V / 70 V outputs
- 14 5 Switchable and adjustable speaker outputs (100 V or 70 V)
- 15 Remote control for siren
- 16 Remote control for two-tone chime
- 17 Contact for pre-announcement chime input 2-3-4 (factory supplied with bridge)

Technical data	CPA-5120C	CPA-5240C	CPA-5480C
Output power	120 W (RMS)	240 W (RMS)	480 W (RMS)
Frequency response	Mic: -3dB (200Hz ~ 19 kHz) Line: -3dB (35Hz ~ 19 kHz)		
THD at 1 kHz	less than 0.5%		
Inputs	Input 1 Mic: -50dB (2.45mV) / 2 k ohms, balanced Input 2-4 Mic: -50dB (2.45mV) / 2 k ohms, balanced Line: -10dB (245mV), balanced Input 5-7 AUX: -10dB (245mV) / 5 k ohms, unbalanced Pack unit: -10dB (245mV) / 10 k ohms, unbalanced PRE OUT: 0dB (775mV) 100 ohms, unbalanced AMP IN: 0dB (775mV) 10 k ohms, unbalanced		
Outputs, speakers	70 V or 100V and low-impedance outputs (8 ohms)		
Treble and bass controls	Bass: ±10dB at 100Hz Treble: ±10dB at 10 kHz		
Signal-to-noise ratio	Mic: > 70 dB Line: > 80 dB		
Power consumption	max. 1.8 A	max. 3.2 A	max. 7.5 A
Power supply	230 V (AC - 50-60Hz) mains power and 24 V DC		
Dimensions WxHxD/weight	430 x 133 x 352 mm, 3 RU; approx. 14 kg	approx. 16.5 kg	approx. 20 kg