POWER AMPLIFIER 120W 10SS

CX-PA1120(W)

■DESCRIPTION

The CX-PA1120 is a 120 W amplifier unit equipped with a built-in 10-zone speaker selector, designed for the CX-1000 series IP communication system. It allows audio broadcasts from each intercom station and audio interface to each speaker zone. By registering audio files in the unit's built-in memory, Chime broadcast and EV broadcast can be made. It is equipped with 2 analog inputs, 1 recording output, and 10-zone speaker output which is individually controllable. The input and output volumes can be adjusted using the front panel-mounted volume knobs or by software. The sound quality of the input and output can also be adjusted by software. It features a built-in ANC function that automatically adjusts the output volume according to the ambient noise when an ANC sensor microphone is connected. Even if the connection to the System manager is disconnected, emergency all-zone broadcasts can be made using the unit's audio input and output. Broadcasts and various functions can be started and stopped using the front panel-mounted direct keys.

■SPECIFICATIONS

Power Source	100 – 240 V AC 50/60 Hz
Rated Output	120 W
Power Consumption	180 W (rated output), 55 W (based on EN62368),
Audio Input	1 channel, −60 dB (*1)/−40 dB (*1)/−20 dB (*1)/0 dB (*1) selectable, 10 kΩ, electronically-balanced, phantom power supply available, removable terminal block (3 pins) 1 channel, −60 dB (*1)/0 dB (*1) selectable, 10 kΩ, electronically-balanced, removable terminal block (3 pins)
Recording Output	1 channel, 0 dB (*1), 10 kΩ, electronically-balanced, removable terminal block (3 pins)
Frequency Response	200 Hz – 16 kHz
Signal to Noise Ratio	60 dB or more
Distortion	1 % or less at 1 kHz, rated power (20 kHz LPF (AUX-0025))
Speaker Output	10 channels, removable terminal block (10 pins × 2)
Output Voltage	100 V/70 V switchable
Volume Control	Audio input volume control × 2, Recording output volume control × 1, Speaker output volume control × 1
Signal Processing	Input channel: Gain, EQ × 2, Comp, AGC, Trim, Gate (for VOX function) Output channel: Gain, EQ × 7, ANC
Network	Network I/F: 100BASE-TX Network protocol: TCP/IP, UDP, ARP, ICMP, HTTP, RTP, RTSP, IGMP, NTP, FTP, RSTP Audio packet transmission method: Unicast, Multicast Number of broadcasting destinations: Unicast (max. 1), Multicast (max. 2999) Connector: RJ45 connector × 2 Network cable: UTP (Cat5 or greater)
Audio Transmission	Sampling frequency: 48 kHz, 16 kHz (controllable on the software) Audio codec: PCM, G.722 Quantization bit depth: 16-bit Voice packet loss recovery: Silence insertion
Operation	Direct key × 10, Reset key × 1, CPU OFF switch × 1, Output voltage selection switch× 1, Input setting switch (input level setting (MIC/LINE selectable), phantom power setting) × 1
Indicators	LED indicators: LAN (green) × 2, POWER (green) × 1, RUN (green) × 1, STATUS (yellow, red, green) × 1, INPUT (green, red) × 2, REC OUT (green, red) × 1, OUTPUT (green, red) × 1, CPU OFF (red) × 1 Direct keys: SELECT (green) × 10, STATUS (yellow, red, green) × 10
Control Input	10 channels, no-voltage make contact input, open voltage: 24 V DC, short-circuit current: 5 mA or less, removable terminal block (12 pins × 2)
Control Output	10 channels, relay contact output, maximum contact capacity : 125 V AC/24 V DC, 4.0 A, removable terminal block (15 pins × 2)
Emergency Control Input	1 channel, photo coupler input, input current: 5 mA or less, removable terminal block (2 pins)
Installation Method	Desktop, rack, or wall mounting (Rack or wall mounting needs optional brackets.)
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	90 %RH (no condensation)
Finish	Panel, Case: Pre-coated steel plate, black, 30 % gloss Volume control section cover: ABS resin, gray smoke
Dimensions	420 (W) × 88.7 (H) × 326 (D) mm (16.54" × 3.49" × 12.83")
Weight	5.6 kg (12.35 lb)
Accessory	Removable terminal plug (2 pins) ···1, Removable terminal plug (3 pins) ···3, Removable terminal plug (12 pins) ···2, Removable terminal plug (10 pins) ···2, Removable terminal plug (15 pins) ···2, Plastic foot ···4, Screw for fitting plastic foot ···4
Option	Wall mounting bracket: YC-850 Rack mounting bracket: MB-25B

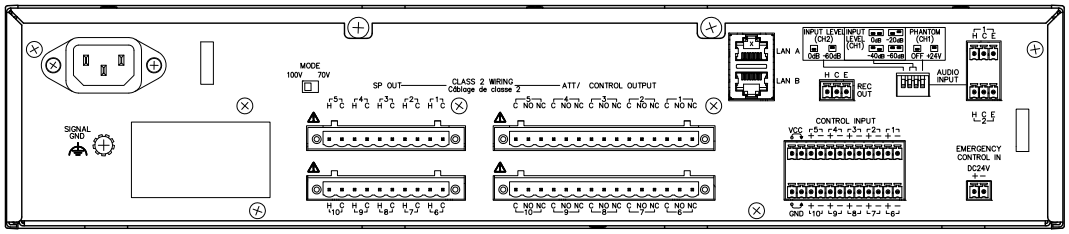
(*1) 0 dB = 1 V

TOA

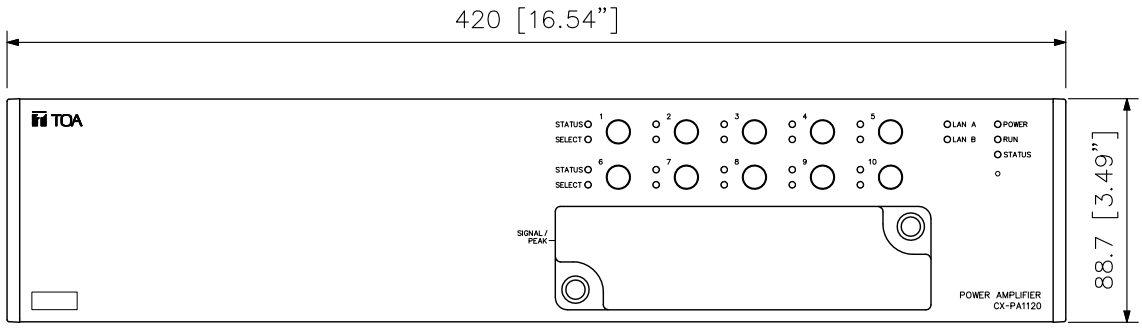
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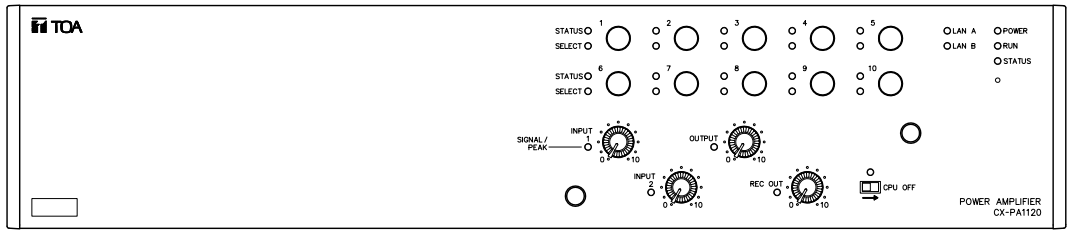
APPEARANCE



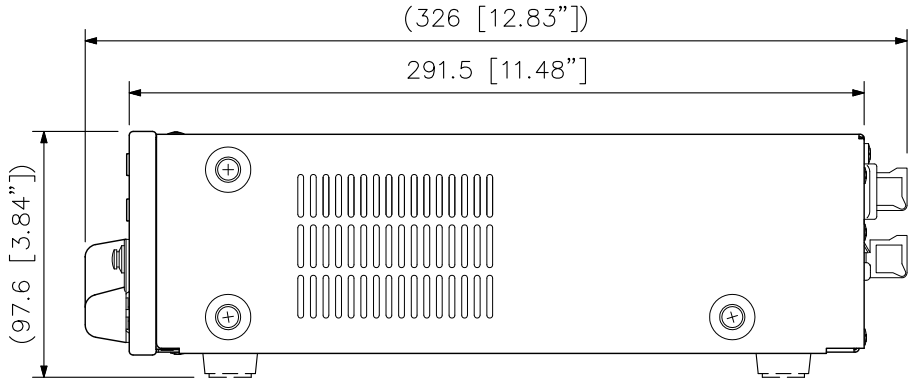
Rear View



Front View



Front View with the volume control cover detached



Side View

UNIT: mm SCALE: 1/3

Note: Numerical values in parentheses are for reference only.