



CONVERGE PA 4120 amplifier is a 4 Channel x 120 Watts, high-efficiency power audio amplifier for reliable amplification with professional sound quality for conferencing, sound reinforcement, and distribution applications.

CONVERGE PA 4120 amplifier is optimized to work with ClearOne's DSP mixers, and it also works with any third-party mixers.

Output Modes

- + 8Ω speaker output
- + 70V/100V constant voltage output

Advanced Control

- + Input gain control per channel
- + High pass filter per channel
- + Protection from short-circuit, high temperature, overload
- + Standby mode when input signal not present

Power

- + Built-in AC power supply
- + Back-up DC power option
- + Auto-standby for efficient power consumption

Amplifier Technology

- + Class-D power amplification
- + Switching power technology digital power amplifier

Per Channel Indicators

- + Standby/Protection
- + Clip
- + Input signal
- + Output signal

Configuration

- + Software-free configuration
- + Plug-and-play installation
- + Manual switches for settings



VENUES

Boardrooms

Conference Rooms

Training Rooms

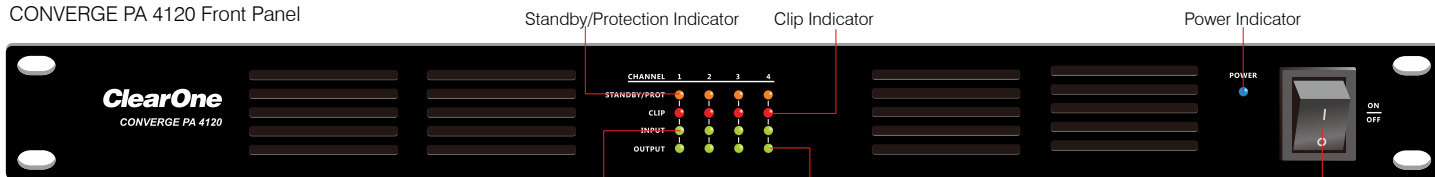
Lecture Halls

Courtrooms

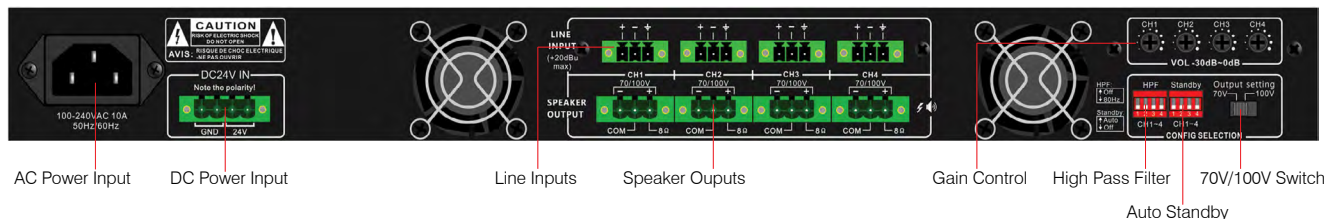
Auditoriums

Telemedicine Facilities

CONVERGE PA 4120 Front Panel



CONVERGE PA 4120 Back Panel



PRODUCT SPECIFICATIONS

Inputs & Outputs

Number of Channels:

4

Line Inputs:

4 Channel, Balanced audio input,
Euroblock connectors, 0.775V, 0dBu

Speaker Outputs:

4 Channel, balanced audio output,
Euroblock connectors

Input/Output Relation:

1 to 1

- Input 1 to Output 1
- Input 2 to Output 2
- Input 3 to Output 3
- Input 4 to Output 4

Output Modes:

8Ω and 70V/100V

Rated Power Output:

4 x 120W RMS (In both 8Ω mode &
70V/100V mode)

Amplifier Topology:

Class-D

Frequency Response:

L/H Cut OFF 20Hz - 20KHz (+1/-2dB)
L/H Cut ON 70Hz-10KHz (+1/-3dB)

Input Impedance:

10 KΩ

THD:

<0.1% (1KHz/-3dBv, 100W)

S/N Ratio:

>80dB

Crosstalk:

>60dB, 1KHz, Max output

Settings

Input Gain Control:

Taper switch for linear gain setting
-30dB to 0 dB
Per channel setting

High Pass Filter:

Two-position DIP switch
Off position: 20 Hz to 20kHz
80 Hz position: 80 Hz to 20 kHz
Per channel setting

Standby

Two-position DIP switch
Auto position: Standby mode enabled. If no input
signal is received for around one minute, unit enters
Standby mode; Auto-wake up when input signal is
detected.
Off position: Standby mode is disabled
Per Channel Setting

70V/100V Output Setting:

Two-position selection switch
Left position: 70V
Right position: 100V
For all channels

Front Panel LED Indicators

STANDBY/PROT:

Standby mode or Protection status indicators
Solid orange light indicates Standby mode
Blinking orange light indicates Protection mode due
to:

- Speaker line short circuit
- Amplifier overload
- Temperature exceeds 131°F (55°C)

CLIP

Clip status indicator
Red light indicates clip status due to:

- Input is too high
- Output is too high

INPUT

Input signal indicator
Green light indicates signal is present

OUTPUT

Output signal indicator
Green light indicates signal is passing out

Power & Thermal

Power Consumption:

600W

Power Supply:

AC input 100-240VAC, 10A, 50Hz/60Hz
24V DC input option for backup power
Power ON/OFF switch in the front panel

Temperature:

32°F-104°F (0°C-40°C) (Ambient temperature)

Dimensions & Weight

Dimensions

18.98" (482mm) W x 16.54" (420mm) D x 1.73"
(44mm) H
1 RU unit size
Rack mount ears included

Weight

16.53 lbs (7.5 kg)

Part Number

910-3200-402

SALES AND INQUIRIES

Headquarters

5225 Wiley Post Way
Suite 500
Salt Lake City, UT 84116

US & Canada

Tel: 801.975.7200
TollFree: 800.945.7730
Fax: 801.303.5711

International

Tel: +1.801.975.7200
global@clearone.com

Sales

Tel: 801.975.7200
sales@clearone.com

TechSupport

Tel: 801.974.3760
tech.support@clearone.com