

This one compact unit gives you full control of the areas to which your announcements go.

4-Channel Power Amplifier

WA-P430NL
WA-P430NH

2U

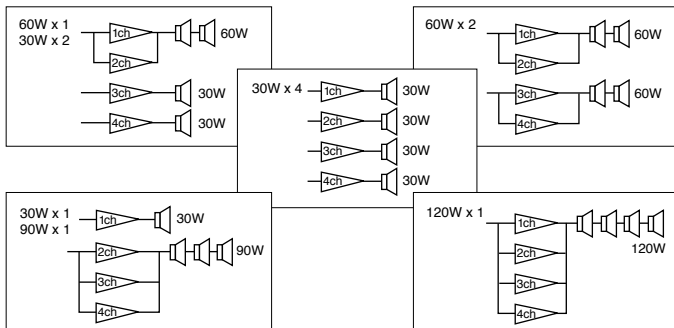


Spacing-saving 2U design.

Designed with the needs of multi-source announcement systems in mind, this 30W, 4-channel amplifier is a single 2U panel sized component. One unit can send announcements at different sound levels to up to four separate areas. Using multiple amplifiers, you can easily construct a multi-source system tailored to your particular needs.

Switchable output from 30W/4 channels to 120W/1 channel.

Can be tailored to fit your application using a variety of configurations from 30W/4 channel to 120W/ 1 channel.

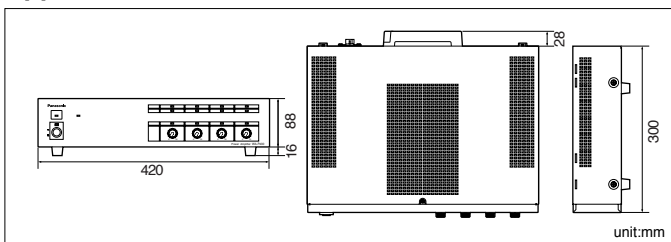


From 30W, four-channel output to 120W on one channel, the choice is up to you.

With choices ranging from 30W per channel in four channels to 120W in one, you can easily construct an efficient system tailored to your application.

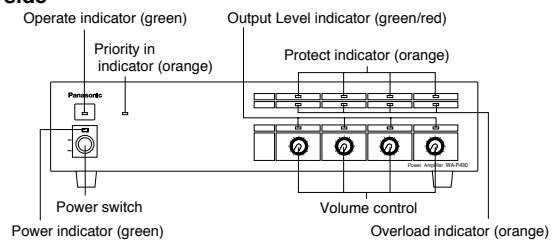
- Sound volume can be adjusted for individual channels, while 2-color sound level display lights show you amplifier output at a glance.
- Since each channel is equipped with its own protective circuit, damage is minimized should malfunctions occur.
- Built-in broken circuit detection alerts you instantly if speaker circuits are broken.
- Protective circuits warn of output stoppages, indicate circuit abbreviations, and permit you to check remote mic output.
- Priority interrupt connectors and controllers are built in, allowing for emergency broadcasts over all channels.
- The AC/DC (24V) dual power source allows battery-powered operation

Appearance

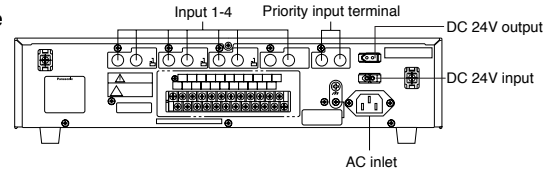


Major Operating Controls

Front side



Rear side



Specifications

Power supply:
WA-P430NH:AC 220 V/240 V & DC 24 V,
WA-P430NL:AC110 V/120 V & DC24V, 50/60Hz

Rated output:30 W (100 V line, 330 Ω) x 4

Frequency response:
55 Hz (-2±2 dB), - 15 kHz (-1±2 dB)

Total harmonics distortion:
1.0 % or less (1kHz Rated output)

S/N ratio:85 dB or more (JIS-A)

Input impedance:50 kΩ or more, Balanced (Electronic balance)

Input sensitivity:-2 dBV ±1 dBV

Input volume control:Continuously variable (1 pc. for each channel)

Input connector:Tip-ring-sleeve phone jack
Input 1 to 4:2 pcs. each (Parallel)

Preference input:2 pcs. (Parallel)

Output connector:Screw type terminal block

Input changeover switch:Input 2 (Single side:

Signal of input 2, Parallel side:Signal of input 1)

(Single/ Parallel)

Input 3 (Single side: Signal of input 3, Parallel

side: Signal of input 2)

Input 4 (Single side: Signal of input 4, Parallel

side: Signal of input 3)

LED:Power supply:Green LED

Power ON:Green LED

Output level:Green/Red LED (2-color LED, 1

pc. for each channel)

Preference input:Orange LED (1 pc.)

Overload:Orange LED (1 pc. for each channel)

Protect:Orange LED (1 pc. for each channel)

Protective circuit:Secondary side DC fuse

(Independent in each channel)

Radiator over-heat protection (Independent in

each channel)

Power transformer over-heat protection

(All channels assembled)

Power start-up mute (Independent in each

channel)

Control input:Priority control (Input 1 to 4 Æ

Priority input) x 1 pc.
Transistor input
Open voltage: approx. 15 V, Short-circuit
current: Approx. 1.3 mA

Status detector output:Overload detector output

• Overload detection: Output "Make" signal when

the load impedance is 16Ω and the detected

output voltage is about 35 Vrms. (At the pure

load resistance)

• Output signal when overload is detected in any

one of the channels 1 to 4.

Open collector output x 1 pc.

Control capacity: DC 50 V 5 mA max.

Protect signal

• Output "Make" signal in any of the status shown

below.

(1) Temperature rise is excessive in the radiator.

(2) Temperature rise is excessive in the power

transformer.

(3) When DC fuse blows out on the secondary

side of each channel.

• Output when an signal PA output stoppage is

detected in any one of the channels 1 to 4.

Open collector output x 1 pc.

Control capacity: DC 50 V 5 mA max.

Cooling system:Natural air cooling

Power supply:AC 110 V/ 120 V/ 220 V/ 240 V

50/60 Hz or DC 24 V

Power consumption:During AC operation:

145 W (at 1/8 rated output)

315 W (at the rated output)

During DC operation:9.8 A (at the rated output)

Dimensions:420 (W) x 88 (H) x 300 (D) mm

(Rubber legs and embossed parts excluded)

Weight:13.5 kg

Finish:Coated steel lamination in AV ivory

(Munsell 7.9Y6.8/0.8 or equivalent)