

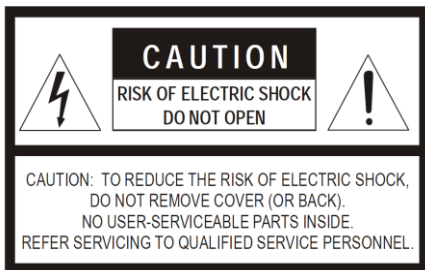
Honeywell

High Efficiency Power Amplifier

Product Instructions

**Model: X-DA1500EN
X-DA2250EN
X-DA4125EN**

Precautions



Danger

This sign reminds users of “dangerous voltage” on the product.



Caution

This sign reminds users of important instructions attached to the product.

Safety guideline

In order to prevent electric shock, this equipment plug shall not be used as conductor to extend power supply line.

Do not block the equipment’s ventilation opening or put other equipment on it.

Safety guideline

Protect this equipment against rainwater or moisture so as to avoid fire or electric shock.

Unpacking

After removing the amplifier from the carton, inspect for any exterior damage to the unit. If damage is noted, notify the carrier at once so that a claim can be justified. Save all packing material. This is important when the claim is processed.

Ventilation

To offset heat generated by the unit, it is necessary to provide ample ventilation around the unit. Avoid blocking or impeding the ventilation holes on the unit. To prevent unnecessary problems, install the unit in a place free from any vibrations, direct sunlight, humidity or dust circulation.

Prevent liquids or other materials to enter cabinet

If the unit gets wet or any foreign material enters the amplifier cabinet, immediately disconnect the AC power cord and consult your dealer or qualified technician.

Important Safety Instructions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install on or near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use the attachments/accessories specified by the manufacturer.

- Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- **WARNING** – To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The mains plug is used as disconnecting device and shall remain readily operable.
- The apparatus is unsuitable for use in air-handling spaces.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.



Network Security

Placement

- Please put the device in a safe place, lock the cabinet and keep the keys well.
- The access control system of the central control room should be under strict management.
- Any person except authorized maintainer is forbidden to disassemble or change parts of device.

- It is forbidden to communicate X-618 system with third party system unless updating the configuration.

Password Precaution

- Please change the password during the system deployment.
- Users need to change the password regularly.
- The password with six numbers is preferred.

Introduction

The Class-D amplifies audio signal power it receives from audio input devices to maintain clarity and volume when broadcast over many speakers in X-618 PA system.

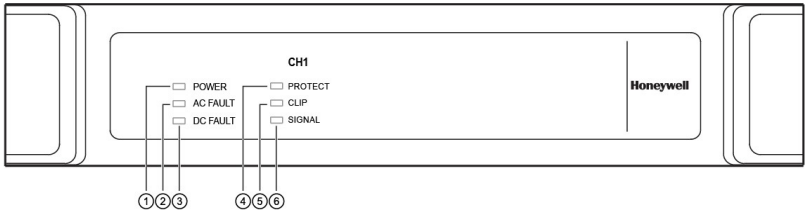
Features

- A CLASS-D power amplifier with high efficiency and energy conservation
- Support 24V power supply backup
- Contains 1/2/4 independent channels
- The rated output power of 500W
- Each channel has 100V or 70V of output
- Supports balanced or unbalanced audio input
- Heat radiation through forced air-cooling mode
- Able to automatically limit output voltage

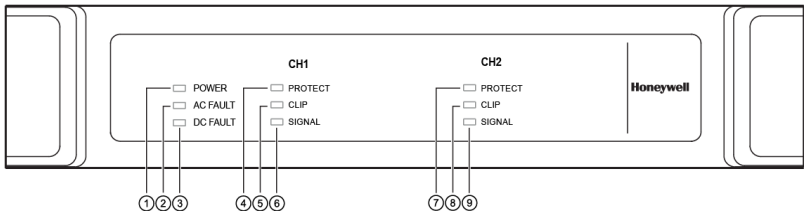
Functions

- Main and Backup Power Supplies
- Power Supply Protection
- Temperature Regulation
- Overload and Short Circuit Protection
- Fault Detection and Fault Logs
- Self-Test Function

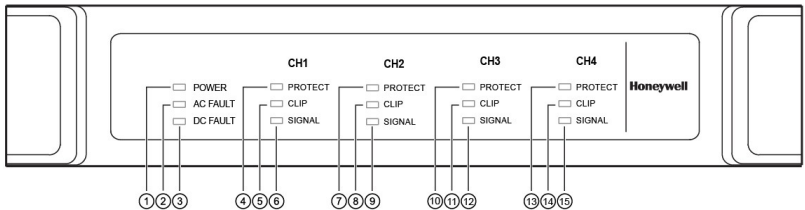
Front Panel(X-DA1500EN)



Front Panel (X-DA2250EN)

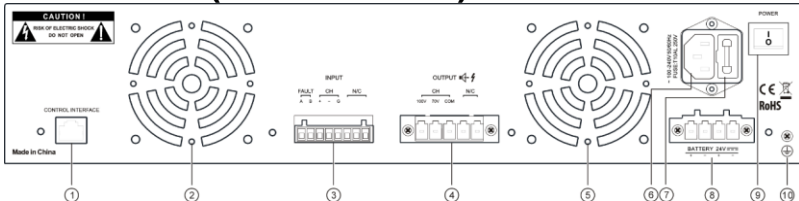


Front Panel (X-DA4125EN)

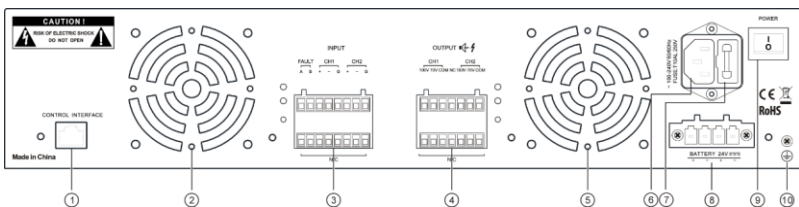


No.	Indicator Light	Description
1	POWER	Power indicator. The light is green when the DA is working normally.
2	AC FAULT	Indicates the main power supply status. If this light is turned off, the main power supply is operating normally. If the light turns yellow, the main power supply has experienced a fault.
3	DC FAULT	Indicates the backup power supply status. If this light is turned off, the backup power supply is working normally. If the light turns yellow, backup power supply has experienced a fault.
4/7/10/13	PROTECT	DA protection indicator light. When the DA overheats, experiences over-current, over-voltage, or under voltage, the DA automatically protects the equipment. In this case, the light turns yellow.
5/8/11/14	CH 1/2/4 CLIP	Peak clipping indicator light. When the input signal exceeds the rated peak value, the indicator light turns red.
6/9/12/15	SIGNAL	Signal indicator light. This light turns green and fluctuates depending upon the signal intensity. If the light is off, there is no input signal.

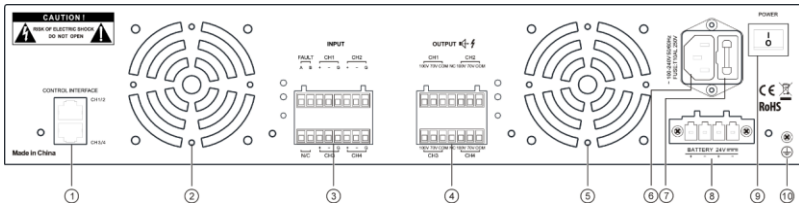
Rear Panel (X- DA1500EN)



Rear Panel (X- DA2250EN)



Rear Panel (X- DA4125EN)



No. Port

Description

1 RJ45 Control Interface

Connects to an external audio input device

2 Cooling fan

3	Audio input and control ports	FAULT	A	If a DA fault occurs, it is protected, or it is self-tested, ports A and B experience a short circuit.
			B	
		CH 1/2/4	+	Balanced positive input
			-	Balanced negative input
			G	Grounding (Connect to the “-“port if the input is an unbalanced input connection.)
4	Audio output ports	CH 1/2/4	100V	100V high impedance audio output
			70V	70V high impedance audio output
			COM	Common
5	Cooling fan			
6	Main power supply power port	Supplies electricity to the main power supply		
7	Fuse	T10AL250V		
8	Backup power supply power port	Supplies electricity to the backup power supply		
9	Power switch	Turns the power on and off		
10	Grounding terminal	Connects the grounding wire		

Technical Specifications

Parameter	Value		
Nominal output power	1 X 500W	2 X 250W	4 X 125W
Main power supply voltage	~ 100V-240V 50/60Hz		
Backup power supply voltage	21.5V DC ~ 28.5V DC		
Power consumption	<700W		
Backup Power Input	1/3 Rated Power Working Current ≤10A/24VDC		
	Full Power Working Current ≤30A/24VDC		
Main fuse	T10AL 250V		
Speaker output voltage	100V / 70V		
Frequency response	70Hz~18KHz (+1dB ~ -3dB)		
Input sensitivity	1.414V _{RMS}		
Input impedance	20k ohm		
Signal to noise ratio	>100dB (±5% with A-Weight)		
Non-linear distortion	<0.05% (at 1/3 rated power, 1kHz)		
Indicator lights	1 power indicator light		
	1 main power fault light		
	1 Backup power fault light		
1 Channel	1 signal lights		
	1 peak clipping lights		
	1 equipment protection lights		

Parameter	Value		
2 Channels	2 signal lights		
	2 peak clipping lights 2 equipment protection lights		
4 Channels	4 signal lights		
	4 peak clipping lights 4 equipment protection lights		
Number of channels	1	2	4
Operating conditions	< 95%, humidity		
Operating temperature	0°C~+40°C		
Storage temperature	-10°C~+55°C		
Product dimensions (width x height x depth)	482 mmx88 mm x420 mm		
Package dimensions (width x height x depth)	580 mmx235 mm x552mm		
Net weight	10.8Kg	11.7 Kg	11.4Kg
Gross weight	13.9Kg	14.8 Kg	15.5Kg

Packing List

No.	Components	Qty.	
1	High Efficiency Power Amplifier	1	
2	Network cable	(X-DA1500EN/X-DA2250EN)	1
		(X-DA4125EN)	2
3	Input cable terminal	(X-DA1500EN/X-DA2250EN)	1
		(X-DA4125EN)	2
4	Output cable terminal	(X-DA1500EN/X-DA2250EN)	1
		(X-DA4125EN)	2
5	Safety shield	(X-DA2250EN/X-DA4125EN)	1
6	Screws	(X-DA2250EN/X-DA4125EN)	2
7	AC power cable		1
8	Power connector kit		1
9	Product manual		1

Honeywell

Honeywell Security and Fire
12 Clintonville Road
Northford, CT 06472, USA
Tel: 1-800-289-3473

www.honeywellav.com

Life Safety A/V (Guangzhou) Co., Ltd

Address: No. 257 Junye Road, Guangzhou GETDD East 510530, China

Tel: +86 (0)20 2839 9600

Fax: +86 (0)20 2820 8706

© 2018 Life Safety A/V (Guangzhou) Co., Ltd. All rights reserved.