

# X-DA4125

# HIGH EFFICIENCY

# POWER AMPLIFIER

- Four channel 125W high efficiency Class-D amplifier
- Automatic protection
- Fault detection
- Effective ventilation using forced air cooling fan
- CE certification complied



## PRODUCT DESCRIPTION

X-DA4125 High Efficiency Power Amplifier (abbr.X-DA) provides amplification for audio signal delivered by high power loudspeakers that are connected to X-618 Digital Public Address and Voice Alarm System. digital power amplifier certified by CCCF. XDA4125 is reliable, efficient and light in weight.

## FEATURES

### Input/ Output

X-DA4125 supports both balanced and unbalanced audio inputs. To receive unbalanced audio inputs, simply connect the ground port with the negative input port to the rear panel.

X-DA4125 can receive audio signal from XDCS2000/ EN via Ethernet through the RJ45 standard port.

### Fault Detection

X-DA4125 can self -protect from overheat, overcurrent, overvoltage and undervoltage. For example, when the internal temperature reaches its critical limit, the over-heat protection circuit will shut down the power amplification module and activate the protection indicator light on the front panel.

X-DA4125 can detect power supply errors automatically during operation. The built-in fuse will provide overcurrent protection to the main power supply.

When a shout circuit is detected in the main power supply circuit, the power will be automatically shut down. The back-up power supply will then be enabled to replace the main one.

When a fault, self-protection or self-testing happens, its audio input fault port on the rear panel will short circuit and a fault signal will then be sent to the control unit in the network.

### Safety

The device adopts lightweight design. The front panel is made of UL94V-0 fire proof ABS material, protecting the machine under extreme conditions. A cooling fan is equipped for heat exhaustion so that the machine can maintain high

working efficiency.

### Volume Control

When HN-D32N Noise Detector is installed, X-DA can adjust volume according to the ambient noise automatically to ensure high sound intelligibility.

## Technical Specifications

Nominal output power	4 ×125 W
Main power supply voltage	~ 220V-240V, 50/60Hz
Backup power supply voltage	~ 220V-240V, 50/60Hz
Power consumption	< 720 W
Main power supply protection	T10 AL 250 V
Seaker output voltage	100 V / 70 V
Frequency response	70 Hz -18 KHz (+1 dB ~ -3 dB)
Input sensitivity	1.414 VRMS
Impedance	20 KΩ
SNR	> 100 dB(with AWeight)
Non-linear distortion	<0.05% (at 1/3 rated power, 1 KHz)
Indicator lights	Power indicator light Main power fault light Backup power fault light Signal lights Peak clipping lights Equipment protection lights
Number of channels	4
Operating conditions	95 % humidity, 0 °C ~+40 °C (0 ~ 104 F)(no condensation)
Storage temperature	-10 °C~ +55 °C (14°F~131°F)
Cooling method	Air cooling
Product dimensions (W×H×D)	416mm × 88mm × 483 mm
Package dimensions (W×H×D)	489mm × 186mm × 568 mm
Net weight	12.9 Kg
Gross weight	16.0 Kg

## Certification and Standard

Category	Region	Certification
Safety	Europe	CE Complied
	China	CCC (GB 8898)
Voice Alarm	Europe	EN 54 (Part 16) Complied
	China	CCCF (GB 16806°2006)
Material	USA	UL94V-0 Fire-proof ABS material

## Parts included

Component	Quantity
X-DA1500 High Efficiency Power Amplifier	1
Network cable	1
Input cable terminal	1
Output cable terminal	1
AC power cable	1
Power connector kit	2
Fuse (10A)	1
Plastic foot	4
Warranty card	1
Quality certificate	1
Product manual	1
Rack	2

## Indicator Lights

Power light

AC fault light and 1 DC fault light

Signal light (for each channel)

Clip light (for each channel)

Protection light (for each channel)

## Components

Power switch

## Interfaces

Main power and backup power port

Audio inputs (balanced or unbalanced)

Audio outputs (100V or 70V)

RJ-45 net cable port

## Ordering Information

Description	Ordering Information
X-DA4125 High Efficiency Power Amplifier 4x125W	X-DA4125

### For more information,

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