

QUICK START GUIDE



SCAN TO
DOWNLOAD
FULL MANUAL

This quick start guide provides a brief overview of the key features of the ISP Series power amplifiers. A full manual can be downloaded from:
www.australianmonitor.com.au/collections/isp-power-amplifiers

FRONT PANEL



IS2250P 1RU shown in above example.
Similar arrangements for 2RU unit.



1 LED INDICATORS

- **STATUS** - indicates amplifier state
Blue On: Normal Operation
Blue Slow Flash: Standby Mode
Blue Flash: Error Mode (see manual for error codes)
- **SIGNAL** - indicates audio signal presence
Green flashing: Audio signal mute
Green on: Audio signal present
- **PROTECT** - shows thermal protection
Yellow flashing: Amplifier temperature warm
Yellow on: Amplifier temperature hot
Red flashing: Amplifier over temperature
Red on: Amplifier protect
- **CLIP** - warns of output clipping

2 POWER SWITCH

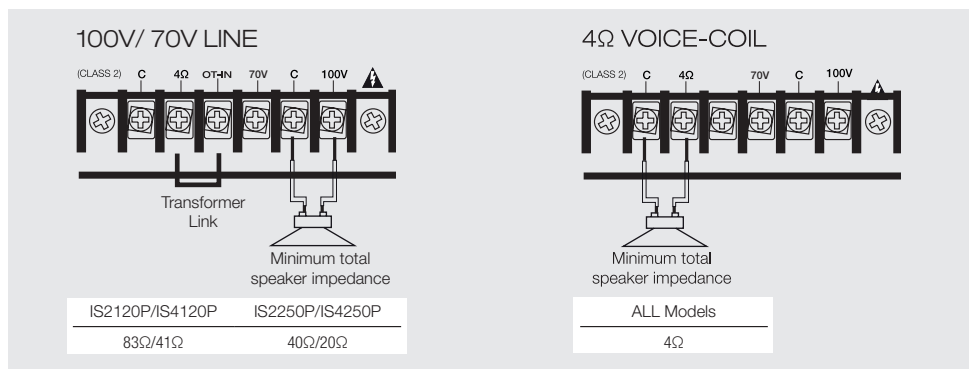
Press up to power on. Input is muted for approximately 2 seconds at startup for protection.

REAR PANEL



- 1** MAINS INPUT CONNECTOR
Standard IEC 60320-C14 socket. Use supplied mains cable. Unit must always be earthed.
- 2** SPEAKER OUTPUTS
Class D amplifier output supports 4Ω, 70V, and 100V operation.
For 4Ω operation: Remove link between 4Ω and OT-IN, connect to LOW IMPEDANCE OUTPUT
For 70V operation: Keep link fitted, connect to HIGH IMPEDANCE OUTPUT 'C' and '70V'
For 100V operation: Keep link fitted, connect to HIGH IMPEDANCE OUTPUT 'C' and '100V'
NOTE: Only connect one output type at a time.
- 3** STANDBY & GPIO PORTS
6-pin Phoenix connector for standby control and general purpose I/O functions.
 - **Standby:** Connect to GND to activate standby mode
 - **GPIO 1-4:** Software configurable for various control functions
- 4** ETHERNET CONTROL
100Base-T Ethernet for network control and monitoring via embedded web interface.
 - Auto MDI-X support (no crossover cable required)
 - Unique hostname printed on front panel label
- 5** RESET BUTTON
5 seconds: Network configuration reset
10 seconds: Admin account reset
15 seconds: Complete factory reset
- 6** EXPANSION BOARD INPUT
Supports optional expansion cards:
 - **DM4x4:** Dante card (4 Inputs/4 Outputs)
 - **ANALOGUE4:** Analogue expansion card (4 Line inputs)
- 7** PHOENIX BALANCED INPUT
Balanced 3-pin Phoenix connectors for each input channel.
 - **Pin 1:** Hot (non-inverting)
 - **Pin 2:** Cold (inverting)
 - **Pin 3:** Signal Ground
 - **Adjustable gain:** -15dB to +12dB

SPEAKER WIRING



NETWORK CONNECTION

PLUG AND PLAY (DYNAMIC/DHCP IP)

1. Power on the ISP amplifier and then connect an Ethernet cable from a switch/router into the port labelled "Ethernet" on the rear of the product
2. Locate the unique hostname URL which is printed on a sticker on the front of the product. Type the URL on the sticker into a web browser and this will connect to the ISP amplifier.

NOTE: Below is an example label. Please refer to the label on the front of your ISP amplifier for a product specific URL:



CONNECT CONFIGURE CONTROL

Win: <http://ausmon002811/>
macOS: <http://ausmon002811.local/>

ISP WEBPAGE ACCESS EXAMPLES:

Windows (NetBIOS):

<http://ausmon002710/>

Supported Browsers: Google Chrome, Firefox, Microsoft Edge

macOS (Bonjour):

<http://ausmon002710.local/>

Supported Browsers: Google Chrome, Safari, Firefox

Note: The LAN network that the amplifier connects to must have a DHCP server enabled for this configuration to work.

STATIC IP

The amplifier ships with default IP address of 192.168.1.10. Hence if no DHCP server is found on the network it will use this IP address.

Refer to the manual for detailed instructions to connect using a static IP address.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THE PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT & FULLY INSERT.

CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

WARNING

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



For European Union countries: This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. Please contact your local authority for further details of your nearest designated collection point.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with dry cloth.
6. This appliance must not be exposed to dripping or splashing water and no object filled with liquid such as vases shall be placed on the apparatus.
7. Do not block any ventilation openings.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. The unit is intended for indoor use. Do not use it outdoors.
10. The mains plug is used as the disconnect device from mains. It should be readily accessible at all times.
11. Only use attachments/accessories specified by the manufacturer.
12. Connect this unit to a mains outlet with a protective earth connection.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.