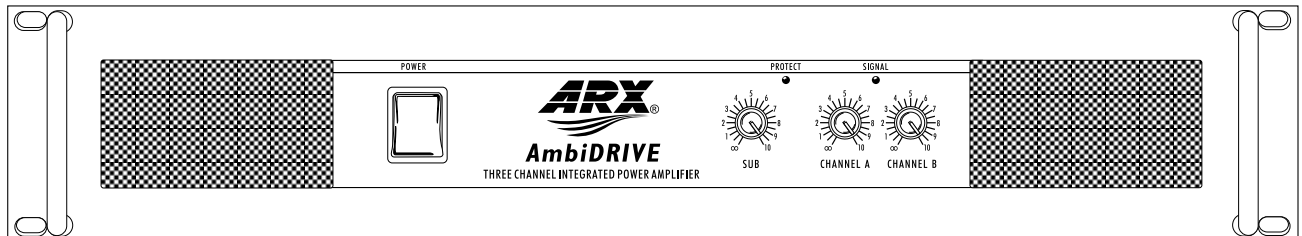


AmbiDrive™



THREE CHANNEL INTEGRATED POWER AMPLIFIER



Innovation

A new three channel amplifier (A + B + Sub) designed for ARX's very popular Ambience series of installation speakers. A distillation of our experience gained through years of making compact, powerful amplifiers.

Designed to be a straightforward, convenient way to supply all amplifier functions within the one unit, the AmbiDrive can easily handle any professional medium power amplifier application.

New Technology Inside

A and B input connectors (XLR and jack, for added convenience) on the rear panel feed into an onboard plug-in Sub crossover card. This can be customised for non-ARX systems, and normally sums the signal below 100Hz in both channels and presents it at a separate Sub output connector. For a satellite speaker/sub woofer system, the AmbiDrive is all the amp you'll ever need!

Don't need a Sub? That's OK

If you'd prefer to use the sub channel for something else - monitors, for example - then simply plug into the Aux to Sub Channel connector on the rear, and all the power of the Sub channel is available to use as a full range output.

We've done everything we can to make the AmbiDrive the most useful, flexible amplifier ever.

Heavy? Not My AmbiDrive!

Some amplifiers are just designed heavy, because it takes more time and effort and money to design them light! Well, here at ARX, we've taken the time and effort and spent the money!

The AmbiDrive weighs just 12 kilos (26 lbs) - light enough for a single person to carry. Using a high efficiency low mass toroidal trans-

former, coupled with advanced computer modelling techniques have enabled us to put the strength where it's needed, and to reduce unnecessary weight where possible.

What about Protection?

We've done intensive research into amplifier protection, in order to design something that really does work, not something that *should* work! The AmbiDrive has resettable relay switched protection circuits that instantly disconnect the speakers if a potentially damaging signal is detected.

Dual variable speed cooling fans pump air through ARX's proprietary 'UltraFin™' heatsink to keep the AmbiDrive cool. When the amp is idling, so are the fans. When the internal temperature rises, so does the fan speed.

Built to Last

Over 10 years ago, ARX was one of the first companies in the world to bring out a high powered amplifier (the legendary SS700) in only 2 rack spaces! A concept that has been embraced by virtually every amp manufacturer since then. Today, thousands and thousands of amplifiers later, we've probably had more experience in getting more from less than just about anyone else!

We believe that when you compare all these standard features to any other amplifier, you'll see why the ARX AmbiDrive should be your next amplifier.

As a company, ARX is dedicated to producing pro audio products that consistently deliver the power and the quality that audio professionals expect. The AmbiDrive is proof of our commitment - an amplifier that works as hard as you do, day after day, night after night.

Features

- Unique three channel amplifier for Satellite/Sub speaker systems
- Onboard plug-in crossover card for Subs
- Sub Channel can also be used as a Full-range channel
- Dual variable speed fans
- LED 'Signal' and 'Protect' status display
- Balanced XLR Inputs; Neutrik Speakon outputs
- Super efficient 'UltraFin' heat-sink
- Extra heavy duty rear mounting ears
- Flawless performance in any audio environment

Specifications

The AmbiDrive is designed around a high efficiency, low mass Toroidal power transformer and a Heavy duty diode bridge.

Input Connectors

Jack and Female XLR with input link switch.
Pin 3 -, Pin 2 +, Pin 1 Electronic Ground

Output Connectors

Neutrik Speakon using Pin 1+ and Pin 1-

Input Impedance

40 Kohms Balanced

Input Sensitivity

0.775 Vrms (0 dB)

Input CMRR@ 1KHz >70dB

Channel Separation:@ 1KHz -88dB

Frequency response:

@ rated output: 20Hz - 20KHz \pm 0.4dB

Crossover frequency 100 Hz; customised plug-in card can be supplied

Metering:

LED status indicators for Signal Present and Protection shut down

Protection Features

- Relay switched thermal sensing
- Relay switched DC sensing

- 'SilentStart/SilentStop' Input/Output muting at turn on/off

Cooling

Ultra Fin heatsink and variable speed DC cooling fans: 2 fans, in front to back mode

AC Power

Supplied 'zone-specific' 100/120/220/240V AC with removable power lead

Weight

12 Kg (26 lbs)

Size

Standard 2 rack units high and 19" (482mm) wide

Depth: 16" (405mm)

Add 3" (80mm) to depth behind front panel to allow for rear rack mount ears and connectors.

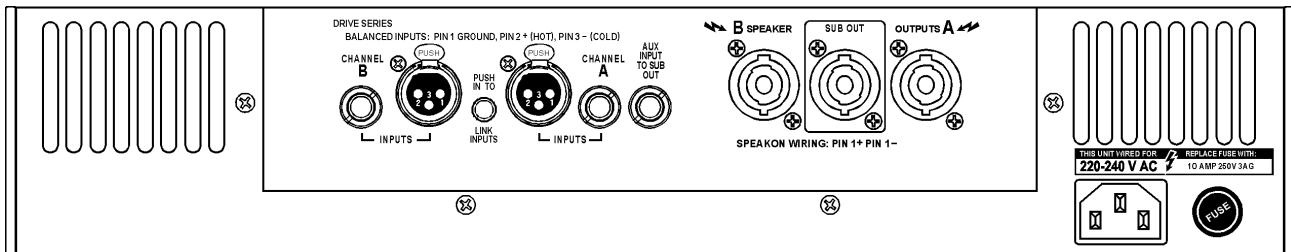
Add 1" (25mm) to depth before front panel to allow for handles and controls.

Slew Rate 35V μ s

Damping Factor 200:1

Construction

All steel chassis and front panel, with Lexan front print. Front panel power switch and level controls. Rear rack mount ears for four point racking in high stress mobile installations



Rear Panel

- XLR and Jack inputs
- Input link switch
- Sub amp access jack
- A, B and Sub Speakon outputs.
- Removable power lead with IEC 3 pin connector and fuse drawer

How Much Power?

Please Note: The figures in the Power Chart opposite reflect the recommended use of the AmbiDrive with 1 or 2 x Ambience 1 or Ambience 5 per side and 1 or 2 x AmbiSUB (or 2 more Ambience 1 or 5).

Care should be taken to ensure that power levels are kept within the capabilities of the speakers

Power Chart *Watts RMS *Both Channels Driven*

Channels:	8 OHMS*	4 OHMS*
A and B	140	180
Sub	160	210
A and B only (No Sub)	165	225
Sub only (No A and B)	210	340

Specifications available on CD ROM. Latest updates available at: www.arx.com.au



Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given.



ARX Systems Pty Ltd; PO Box 15, Moorabbin, Victoria 3189, Australia
Phone: 03 9555 7859 Fax: 03 9555 6747 International Fax +61 3 9555 6747
Email: info@arx.com.au Internet: www.arx.com.au