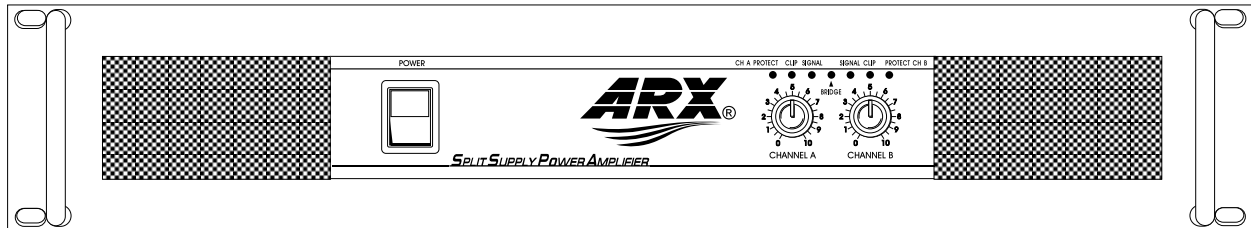


SX 1500 SX 3000



DUAL CHANNEL HIGH CURRENT HIGH POWER AMPLIFIERS



A range of amplifiers designed smart, and ready for the intensive duty cycle that today's standards of production demand. More power, more protection; less heat, less weight.

These amplifiers are a distillation of our experience gained through years of making compact, powerful amplifiers. The ARX SX1500 and 3000 are designed to satisfy the most demanding professional high power applications.

New Technology Inside

Look inside either of these new amps and you'll see that it looks very different from traditional amplifiers, without their masses of loose wiring, solder tags, and loads of interconnected circuit boards.

The truth is, you can't keep making amplifiers the way people did in the '50's. We've learned a lot of manufacturing lessons from our successful range of ARX signal processors, and we've adapted those techniques by putting all the circuitry on one motherboard, thus reducing the amount of hand wired links.

This enables fast, accurate assembly, and means that the whole amplifier can be completely tested *before* it gets put into the chassis. Both the SX1500 and the SX3000 use our *SplitSupply*TM power supply protocol, enabling the drive circuitry to be run on a separate DC rail to the power circuitry.

The benefits of this layout are lower noise, greatly reduced IM distortion, and more output power. And isn't that what we all want?

It Ain't Heavy, It's My ARX

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!

Advanced computer modelling techniques have enabled us to put the strength where it's needed, and to reduce excess 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! Both the SX1500 and 3000 have new relay switched resettable protection circuits, plus our new switchable SoftClipTM circuit which intelligently protects the amp from clipping.

Unlike simple limiting which can cause harsh distortion of low frequency signals, the SoftClip circuit keeps the amplifier from hard clipping without destroying the sound quality, yet still retaining the dynamics of the music. A new I/O comparator circuit has front panel LED displays for true Clipping indication, as well as Signal Present and Bridged mono mode status.

Four variable speed temperature controlled cooling fans pump air through ARX's proprietary 'UltraFin'TM heatsink to keep the SX amplifiers cool. 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 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 your next amplifier should be one of the SX series from ARX.

As a company, ARX is dedicated to producing pro audio products that consistently deliver the power and the quality that audio professionals expect. The SX series is proof of our commitment - a line of amplifiers that work as hard as you do, day after day, night after night.

Features

- Toroidal transformer based 'Extreme Duty' power supply
- High Joule capacitors for maximum LF output
- Four variable speed fans
- 'SoftClip' switch
- LED status display of all amp functions
- Balanced XLR Inputs; Speakon outputs
- Super efficient 'UltraFin' heatsink
- Unique one piece motherboard construction
- Extra heavy duty rear mounting ears
- Flawless performance in any audio environment

Specifications

All the ARX SX series of amplifiers are designed around 'over-specified' Toroidal power transformers and Heavy duty diode bridges.

To retain dynamic range under even the heaviest load conditions, the SX series all utilise large multi capacitor arrays for high peak current outputs.

All models can be switched to run in bridged mono mode.

Input Connectors

1 x Female XLR and 1 x Male XLR loop out
Pin 3 -, Pin 2 +, Pin 1 Electronic Ground

Output Connectors

Fully insulated Neutrik Speakon

Input Impedance

40 Kohms Balanced

Input Sensitivity

SX1500 1.3 Vrms (0 dB)

SX3000 1.4 Vrms (0 dB)

Input CMRR @ 1KHz >70dB

Channel Separation: @ 1KHz -88dB

Frequency response:

@ rated output: 20Hz - 20KHz ±0.4dB

Metering:

LED status indicators for Signal Present, Clip, Bridge, and Dual Channel Protection

Protection Features

- Relay switched thermal sensing

- Relay switched DC sensing
- 'SilentStart/SilentStop' Input/Output muting at turn on/off
- 'SoftStart' on SX1500/3000

Cooling

Dual Ultra Fin heatsinks and variable speed DC cooling fans:
4 fans, air in front and rear, side exit

AC Power

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

Weight

SX1500: 19 Kg (42 lbs)

SX3000: 21 Kg (46 lbs)

Size

All are 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.

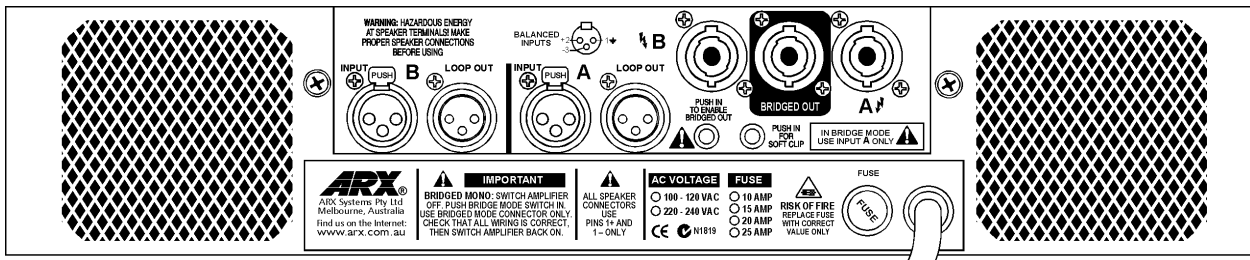
Add 1" (25mm) to depth before front panel to allow for handles and controls.

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 inputs
- Bridged mono switch
- Speakon outputs
- SoftClip switch
- Fixed power lead
- Fuse holder

How Much Power?

Choose the amplifier power output that's just right for your application from our Power Chart. *Please Note:* When comparing amplifier power ratings, remember that these are true RMS power ratings and should not be confused with the unsustainable peak ratings often claimed by other amplifier manufacturers.

Power Chart *Watts RMS *Both Channels Driven*

MODEL	8 OHMS*	4 OHMS*	BRIDGED 8 OHMS
SX1500	490	700	1400
SX3000	660	1000	2000

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.



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