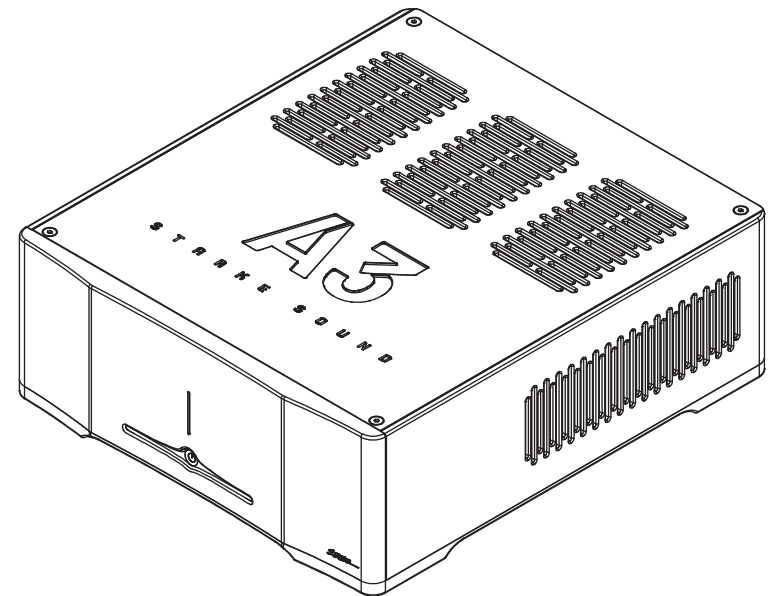


User Guide

A3



If service seems necessary contact the dealer from whom you purchased the speaker system. If that is not possible, email us at.

service@starkesound.com

STARKE
S O U N D

Starke Sound Inc. 17810 S.Main St., Suite B, Gardena, CA 90248 ▪ starkesound.com

Safety instructions

- 1) Read, follow and keep these instructions
- 2) Do not remove the cover as repairs require qualified technicians
- 3) Do not use the product near water
- 4) Do not install near any heat sources such as radiators, heat registers, stoves or amplifiers
- 5) Clean the product only with a damp cloth
- 6) Use care when lifting or moving this heavy product
- 7) Protect the power cord from being walked on or pinched
- 8) Unplug during lightning storms or when unused for long periods of time
- 9) Ensure that no objects filled with liquids, such as vases, are placed on the product

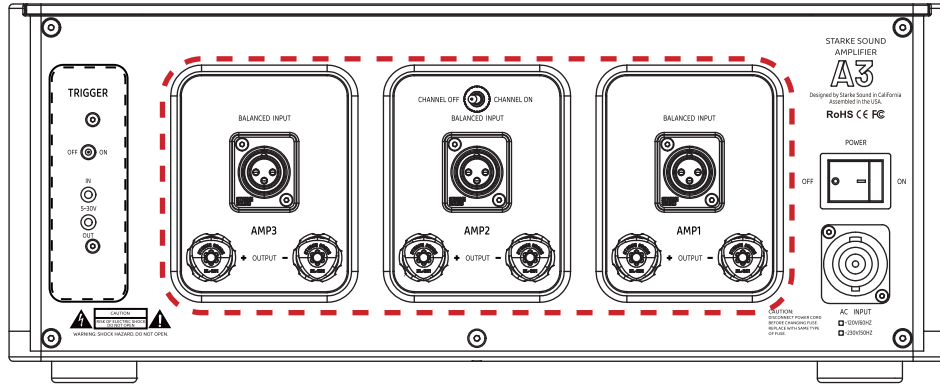
Limited warranty

2 years from purchase date

(Save original invoice for service to be arranged through your dealer.)

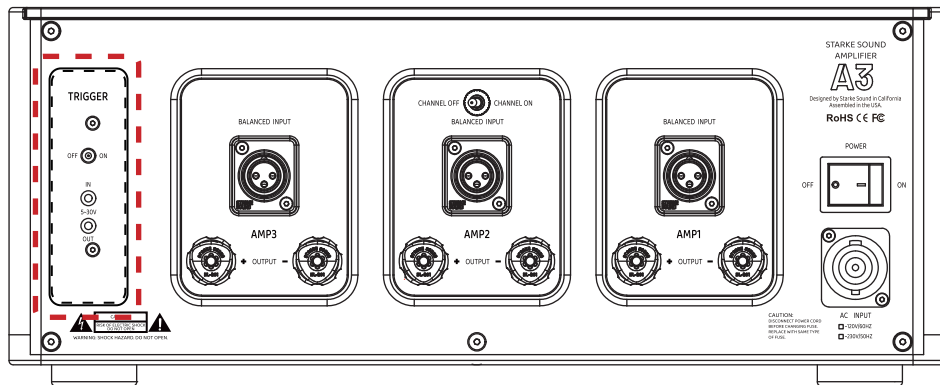
RoHS **CE** **FC**

Set-up instructions



We are using the best components for our Flagship A Series amplifiers. Inputs and outputs are among the most advanced available yet compatible with standard connectors for ease of use. New XLR chassis connectors (XL-F01) deliver unequalled performance through quality design: gold-plated, all-metal housings with solid ground contacts for superior RF protection and shielding; Teflon isolation and beryllium copper for reliability and robustness. An ideal match for Neutrik's EMC Series XLR cable connector.

Premium binding posts (HL-301) accept banana plugs, spade connectors, or bare wire. Their unique structure prevents loose connections or over-tightening, ensuring the best signal transfer and reliability.



The amplifier can be turned-on automatically by, for example, your preamp/processor by connecting a 12-volt trigger wire to TRIGGER IN. You can use TRIGGER OUT to connect a “downstream” component such as another amplifier to also be turned-on automatically.

Channel ON/OFF Switch

The A3 amplifier includes a Channel ON/OFF switch for the center channel, allowing the amplifier to operate as either a 3-channel or a 2-channel amplifier.

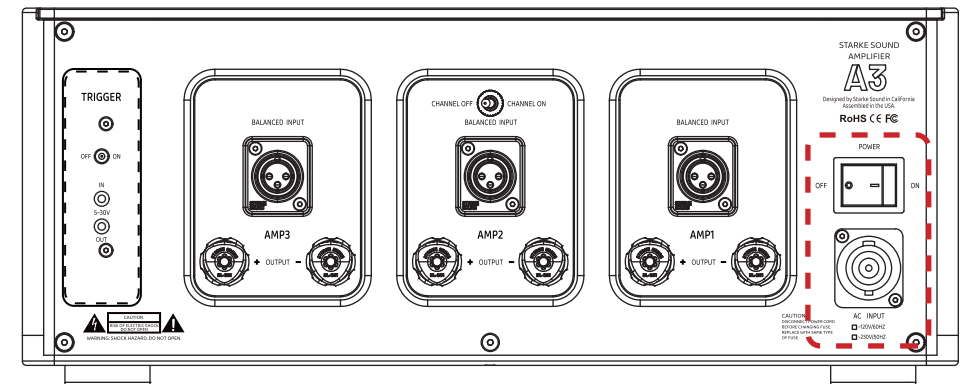


Channel ON: The center channel is active, and the amplifier operates as a 3-channel amplifier. This is the factory default setting.

Channel OFF: The center channel is deactivated, transforming the A3 into a pure 2-channel amplifier. In this mode, the power supply is dedicated to the two active channels, providing increased power reserves for enhanced performance.



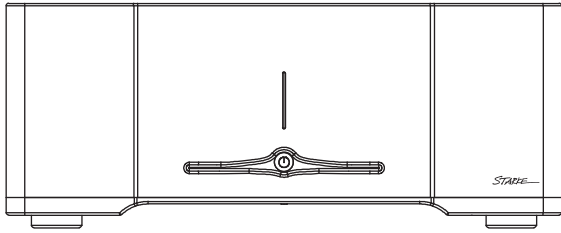
To adjust this setting, locate the Channel ON/OFF switch on the rear panel of the amplifier. Ensure the amplifier is powered off before making any changes to the switch position.



Connect the power cord to AC INPUT, turn right (clockwise) to tighten it until you hear a “click”, then plug the other end into a wall socket (120-volt or 230-volt, up to 32A). Set the rocker switch to ON to power-on the amplifier.

Operation

Vertical light on the front panel should be green. If it turns yellow, power-off, wait, then restart.



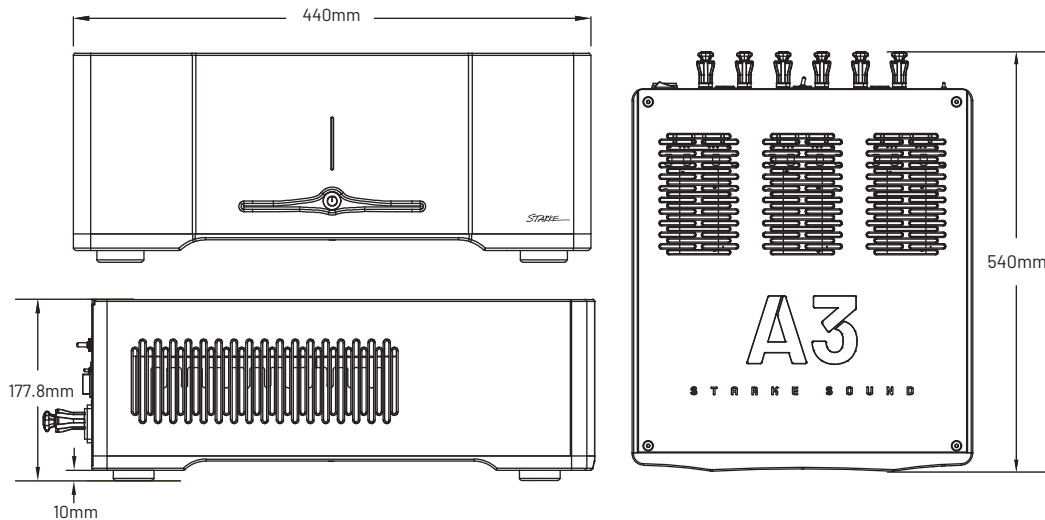
A3

A product for purists

Over the years, home theater amplifiers have delivered strong performance, but many prioritize power specifications over sound quality. Starke Sound's 'A series' amplifiers break this mold, combining high power with exceptional sound fidelity to set a new benchmark for multi-channel amplifiers.

The new A3, a 3-channel amplifier, applies Starke Sound's unique **third-generation Class A+AB design**, delivering up to **620 watts per channel at 4Ω**. It features a fully balanced topology and a robust **power supply capacitor array** of up to **176,000 microfarads**. The A3 is engineered with an ultra-high bias design, ensuring pure **Class A operation** for most music and audio signals. When handling extremely large signals—typically less than **1% of content**—the A3 seamlessly transitions into **Class AB mode**, preserving the system's full dynamic range. **In essence, this is a pure Class A amplifier with exceptional power reserves.**

The A3 employs a **hybrid heat dissipation system**, combining aluminum alloy and copper to effectively eliminate the need for fans. This ensures **silent operation**, enhancing audio purity and overall performance. Additionally, its center channel features an input switch that, when deactivated, transforms the A3 into a **pure 2-channel amplifier** with increased power supply reserves for even greater performance.



Technical Specifications

Output Power	620 W RMS at 4 ohms 1% THD 580 W RMS at 4 ohms 0.1% THD 320 W RMS at 8 ohms 1% THD 300 W RMS at 8 ohms 0.1% THD 800 W RMS at 2 ohms 1% THD (Test Condition: AC 240V 50Hz/ AC120V 60Hz, 2CH)
ClassA power	50W at 2Ω, 4Ω, 8Ω, per channel
DSP	None
Gain	26dB
Channel quantity	3 channels
Amplifier type	Class A+AB
Frequency Response	5 Hz to 50 kHz(+0/-1 dB) 10Hz to 20 kHz(+0/-0.1 dB)
THD	<0.002% at 1 kHz, at 10 W, 4 Ω
Signal-To-Noise Ratio (SNR)	>120 dB, "A" weighted(620W RMS at 4 ohm)
Input terminals	3 Blanced Self-locking XLR connector, 24K gold plated, Teflon PTFE Isolation
Input Impedance (RCA)	/
Input Impedance (XLR)	20KΩ
Input Sensitivity	2.5V
Output terminals	3 pairs of HL301, beryllium copper binding posts, 24K gold plated
Output Impedance	0.1Ω(5 Hz to 50 kHz)
Minimum load impedance	0.06Ω
Maximum unclipped output voltage	±90V
Maximum output current per channel	100A
True balance circuit	Yes
Heat	1280 BTU / hr
Fan noise	None
Power input	32A self-locking power socket
Power consumption	Standby <5w Idle <95w Maximum 2500W
Control option	12V trigger input & output
Cabinet	Aluminum
Color options	Black
Full size	W 17.3 x H 7 x D 21.3 inches (w/ foot&faceplate) W 440 x H 177.8 x D 540mm (w/ foot&faceplate)
Weight	89.5 lbs(40.6kg)
Shipping size	L 25.4 x W 22.6 x H 10.9 inches L 644 x W 574 x H 278 mm
Shipping weight	111.6 lbs(50.6kg)
Warranty	2 years (from original purchase date)