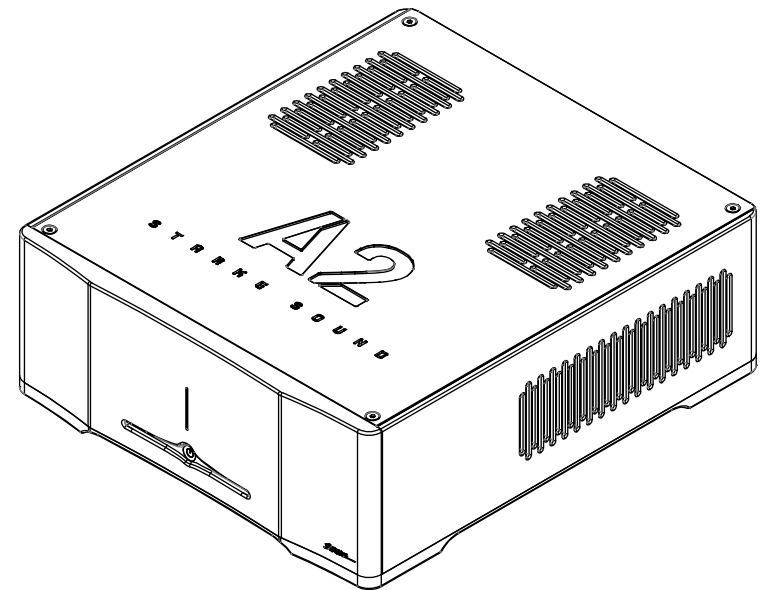


## User Guide

# A2



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](mailto:service@starkesound.com)

**STARKE**  
S O U N D

Starke Sound Inc. 17810 S.Main St., Suite B, Gardena, CA 90248 ▪ [starkesound.com](http://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

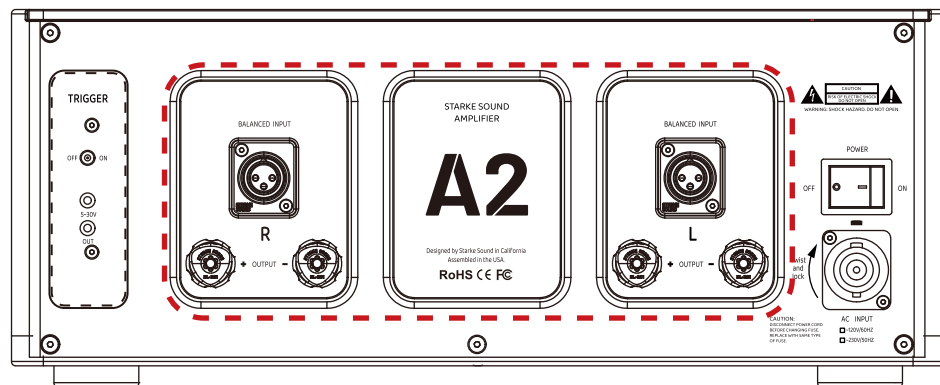
## Limited warranty

2 years from purchase date

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

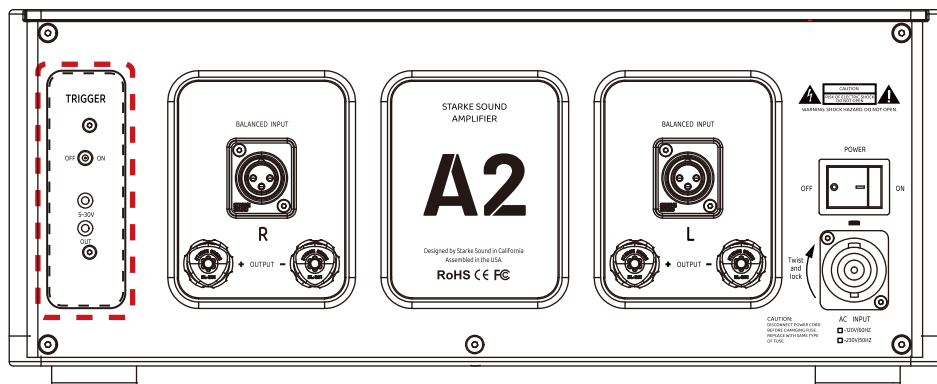
**RoHS** **CE** **FC**

## Set-up instructions

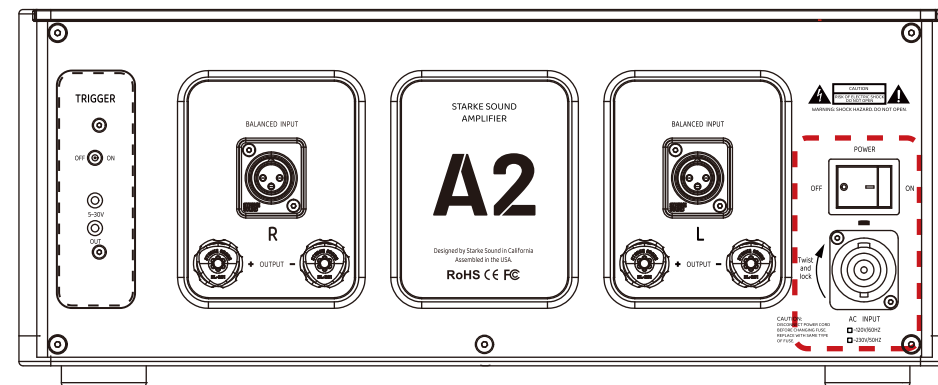


We are using the best components for our Flagship A Series amplifiers. Inputs and outputs are among the most advanced available yet compatible with standard connectors for ease of use. New XLR chassis connectors (XL-F01) deliver unequalled performance through quality design: gold-plated, all-metal housings 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.



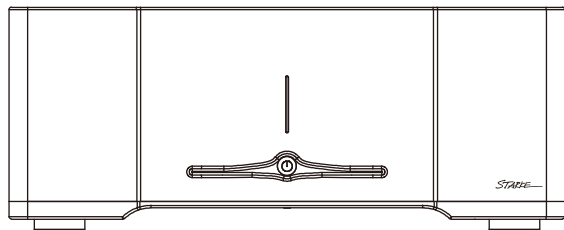
The amplifier can be turned-on automatically by, for example, your preamp/processor by connecting a 12-volt trigger wire to TRIGGER IN. You can use TRIGGER OUT to connect a "downstream" component such as another amplifier to also be turned-on automatically.



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.



# A2

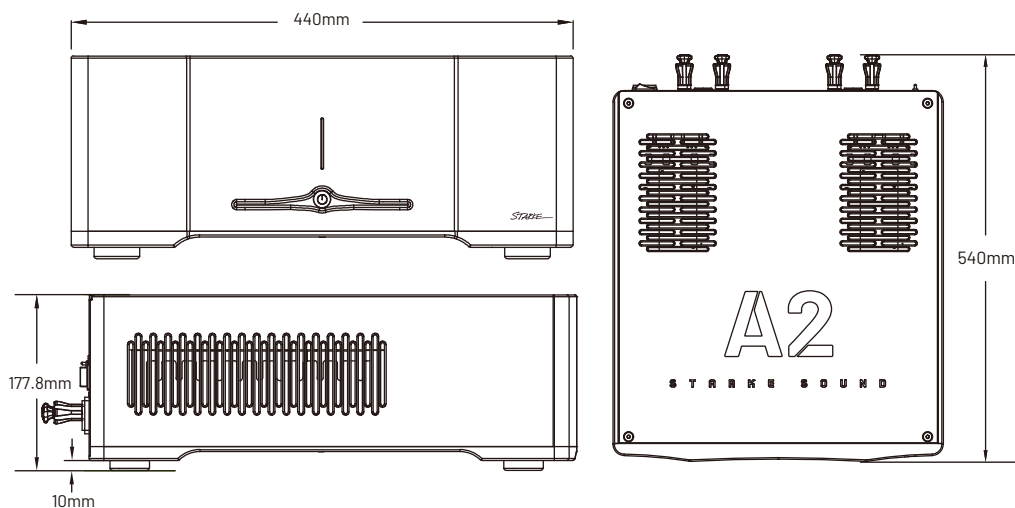
## A Tribute to Stereo

Over the years, Starke Sound's multi-channel amplifiers have established a strong reputation in the home theater market. Starke Sound's "A Series" amplifiers are engineered with a clear mission: to deliver high power paired with flawless sound quality.

The 2-channel A2 model features Starke Sound's unique **third-generation Class A+AB amplifier design**, offering up to **620 watts per channel at 4Ω**, a fully balanced topology, and a **power supply capacitor array** of up to **176,000 microfarads**. Its high-bias design enables **Class A operation** for nearly all music and audio signals under typical conditions. When extremely large signals occur—often less than **1% of content**—the A2 enters **Class AB mode** seamlessly, ensuring that the system's dynamic range remains uncompromised. **In essence, this is a pure Class A amplifier equipped with exceptional power reserves.**

An **innovative hybrid heat dissipation system**, combining aluminum alloy and copper, eliminates the need for fans. This facilitates **silent operation**, preserving audio purity while delivering superior performance.

Thanks to its **ultra-low distortion**, ample energy reserves, and silent cooling design, the **A2 is ideally suited as the core amplifier in Hi-Fi and Hi-End audio systems**, capable of meeting the most demanding standards of audiophiles and music enthusiasts.



## Technical Specifications

Output Power	<b>620 W RMS at 4 ohms 1% THD</b> 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	2 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	2 Blanced Self-locking XLR connector, 24K gold plated, Teflon PTFE Isolation
Input Impedance (RCA)	/
Input Impedance (XLR)	20KΩ
Input Sensitivity	2.5V
Output terminals	2 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	880 BTU / hr
Fan noise	None
Power input	32A self-locking power socket
Power consumption	Standby <5w Idle <65w Maximum 2000W
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 540 mm (w/ foot&faceplate)
Weight	88.2 lbs(40kg)
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	110.2 lbs(50kg)
Warranty	2 years (from original purchase date)