

Quick Start Guide

Thank you for purchasing this **STEREO HEADPHONE AMP**.

We hope you get many years of pleasure and use from this device and if this is your first product from our brand, welcome! This simple connecting guide should help start you on your journey to sonic creativity. However, if you wish to know more of the device's hidden secrets, you can find more info on the product page at:

kmamachines.com/sha



Some quick extra usage tips:

For the cleanest and most pristine signals, to hear exactly what you put in, you should usually run the **INPUT GAIN** just below where the **CLIP LED** indicates on your loudest signals. However, you can also run it hot on purpose and send the pre-amp into saturation, which can actually be very musical. This has a similar vibe to a blown out or pushed channel strip on a mixing console, useful for all sorts of warm sounds. It pays to experiment here with the control to dial in and fit your desired tonality.

Use an **IEM** system live with an amp-less solution, but always struggling to get your own mix right to hear yourself properly?

STEREO HEADPHONE AMP can allow you to blend more "me" signals into your IEM setup - no more arguing with the sound engineer! To do this, firstly make sure the **OUTPUT MODE** switch is set to **THRU** and then feed the main outputs from your rig to your PA. Connect your monitor feed to the **AUX** input and boom! Via the Headphone Outs, you can control your mix between your performance signal and the monitor feed from your board directly, using the **MIX** control, oh and... ta-da... hearing your carefully crafted stereo tones is all possible too (especially great if you don't have enough sends for stereo monitor mixes on your live console). This trick also works for **Keyboards/Synths** and all sorts of other rigs and while you might need some adapters and/or cables to help it all fit together with your own setup, it can be a very useful solution to a problem many live musicians find themselves in today.

STEREO HEADPHONE AMP Main Specifications

- Exceptional and Powerful Headphone Amp
 - High Quality monitoring for the end of your pedalboard
 - Dual Headphone Outputs, with large level control
 - Aux Input - Bluetooth Audio or 3.5 mm Stereo Analog
 - Aux/Main Mix/Blend Control
 - Premium Analog and high-headroom audio, with high-impedance input circuitry
 - Flexible internal signal routing - full Mix or Buffered Thru Outputs
 - Auto Detect TS/TRS 6.35 mm Inputs and Outputs - Stereo or Mono
 - Made in Berlin, Germany
- Power requirements:
9 V DC, centre -, 2.1 mm, <250 mA max. current draw
(at full load) = 150 mA nominal



Proudly made in Berlin, Germany since 2013

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website: kmamachines.com

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AUX INPUT
Connect analog audio via this mini 3.5 mm TRS connector.
*Note: only functional when Bluetooth® is not paired**

AUX MIX
Sets the Level/Mix of the Auxiliary Input from the 3.5 mm Analog or Bluetooth® inputs
Fully Left (CCW): SHA internal signal is 100% and AUX signal is muted
Centre Indent: Signals are 50/50 equal
Fully Right (CW): AUX signal is 100% and SHA internal signal is muted

BT LINK
Blue LED Indicates status of Bluetooth® connection*

MAIN OUTPUT(S) - L/MONO | R
Connect your amplifier(s)/next series of pedal(s) or other audio devices here. The Output configuration is set by the MODE switch.
Note: if only the L/MONO socket is connected, the Left & Right Internal Mix will fully sum to Mono

OUTPUT MODE
Push Switch toggles between the two modes of operation:
FULL MIX: As Heaphone Outputs, with AUX/BT level set by MIX THRU:
THRU: No AUX - Buffered Bypass (direct from INPUT)

DUAL HEADPHONE OUT
Connect headphones via 3.5 mm TRS. Dual Output allows you to share your completed mix with another musician etc.



PHONES
Adjusts the volume of both Headphones outputs

BT PAIR*
Button to pair a Bluetooth® audio device for Audio Streaming into the Aux input, substituting the 3.5 mm analog AUX IN connection*

INPUT GAIN & CLIP LED
Variable input control provides up to +/-24 dB of gain/reduction. Reduce the GAIN if the Red INPUT CLIP LED is illuminated, for the cleanest signal as desired

MAIN INPUT(S) - L/MONO | R
Connect your instrument such as Guitar/Bass etc. end of your pedal chain or other audio devices (such as Synths, FX etc.) here.
Note: if only the L/MONO socket is connected, the signal will sum to both Left & Right of the Stereo Mix internally

***BLUETOOTH PAIRING PROCEDURE**
To activate the STEREO HEADPHONE AMP's pairing mode:
1. Push and hold the BT PAIR switch for 4 seconds until the BT LINK LED flashes
2. On your device's Bluetooth audio pairing settings, select:
KMA ST-HP-AMP
3. BT LINK LED will turn solid blue once the two devices are connected
Note: to disconnect Bluetooth (e.g. to enable the analog AUX connection) push and hold the switch until the BT LINK LED is no longer illuminated. To reestablish Bluetooth Audio, repeat the BT Pairing procedure again.