



## PRODUCT MANUAL

# POWERMIX PURE XT

## PREPARATION AND PICKUP INSTALLATION

Please familiarize yourself with the included installation manuals for the FanTaStick undersaddle transducer and the Pure bridge plate pickup.

1. Install the FanTaStick according to its manual.
2. After you've completed the installation of the FanTaStick in the saddle slot, solder the supplied RCA plug to the FanTaStick's cable end: the inner wire to the tip and outer shield to the ground terminal.
3. Next, install the Pure pickup according to its manual.

## SOLDERING THE FANTASTICK PICKUP

You will have to solder the FanTaStick Undersaddle Pickup to the endpin jack yourself when you're ready to install it. Please follow the installation instructions but you must solder the inner conductor of the FanTaStick wire to the ring terminal of your existing endpin jack. The pure pickup is already soldered to the tip terminal.

The ring terminal is the medium-length center terminal, next to the short terminal where the three white center conductors of the pure are attached. The long terminal remains empty – it is the battery switch. The ground (silver shield) terminal is soldered to the same ground connection as the pure, which is the strain relief of the jack.

This is a delicate solder job! Please make sure it is done precisely, using proper electronic solder equipment. If you have any questions, please contact us at (541) 888-3517 or [techsupport@kksound.com](mailto:techsupport@kksound.com)

## CONNECTING AND SECURING THE SYSTEM INSIDE YOUR GUITAR

Plug the FanTaStick's male RCA connector into its female counterpart on the wire from the endpin jack. Secure the connectors to a brace using the attached dual-lock fastener. Secure the cables inside the guitar with duct tape or similar.

## POWERMIX PURE XT PREAMP

First, please install a new 9-volt battery. Open the access screw on the side of the preamp and remove the lid to access the battery compartment and the EQ trimmers.

This preamp features 3-band EQ plus a gain control for each individual channel. These controls are called "trim pots." The trimmers can be turned with the small screwdriver located inside the preamp box. A diagram of the trim pots is located on the inside of the lid. Channel 1 is the Pure pickup, channel 2 is the FanTaStick.

The EQ trim pots are in linear position (no cut or boost) when the white arrow points to a center position. Please keep in mind that the midrange trimmers, as opposed to the bass and treble trimmers, are oriented 90 degrees clockwise

The gain trimmers set the degree of pre-amplification on the input of the circuit. They act like volume controls but if they are set too high, distortion may occur. (Note: The lowest (counterclockwise) setting does not shut the channel off. It is the lowest available gain setting.) We recommend you use the gain trimmers to balance the two channels so that when you turn both thumbwheel volume controls to full, you have each

channel at your maximum desired volume. From there you can blend the two channels in any way you desire.

We factory preset these trimmers, but this setting will likely not be perfect for your guitar. Feel free to adjust the trimmers in any way you like. (Tip: Keep written records of the settings you like.) The preamp's EQ and gain should be set to fit your guitar and style. Once you found your settings, you may never have to touch the controls again. Use the EQ on your amp or PA to compensate for different room acoustics.

Please follow the Input/Output options printed on the label of the preamp.

**Note: If you use the individual outputs you have to plug a cable into the Main/Mix Out in order to power up the preamp.**

Please unplug the output cable to switch OFF the battery whenever you do not use the preamp. Battery life is about 50-60 hours.



Channel 1 is the Pure pickup  
Channel 2 is the FanTaStick

## INSTRUCTIONS FOR ADDING BELT CLIP TO PREAMP

You have the option to add either the belt clip or 4 small rubber pads to your preamp. We recommend attaching the rubber pads to protect the preamp if you do not want to use a belt clip.

Both options use self-adhesive attachment, no additional adhesive or modification to the preamp is necessary. We use 3M VHB (very high bond) tape for the belt clip, which provides durable, reliable and secure hold.

1. Position the belt clip near the top of the preamp (knob side) making sure to not cover the screw head.
2. Clean the area on the preamp with rubbing alcohol and wipe dry.
3. Peel the release-paper off the belt clip, press clip firmly in place.
4. Make sure the position is correct because it is difficult to remove the clip once the adhesive bonds.
5. Pay particular attention to pressing **firmly in the center** of the belt clip (the lower hole, use a suitable tool if necessary) to assure complete bond.
6. Let the adhesive rest for 24 hours before putting full strain on the belt clip.

