



## PRODUCT MANUAL

# ULTRAPURE SYSTEM

Thank you for choosing the K&K UltraPure System! The following instructions will cover the installation and use of the UltraPure Preamp. Please install the pickups according to the included Pure pickup instructions.

## INSTALLING THE ULTRAPURE PREAMP

1. Remove strings for best access.
2. The preamp is mounted using the supplied magnet and the self-adhesive dual-lock fastener. Take special care when handling the neodymium magnet. It is super strong but quite thin and light. If it accidentally snaps onto a steel surface it could break.
3. The magnet is already attached to the preamp. It clings to the steel casing of the preamp. The magnet comes with the dual-lock attached.
4. Inspect your guitar for a suitable spot on the inside edge of the sound hole (see picture). For best results, it should be a flat surface without obstructions. Please test if both the dual-lock and the preamp will fit properly.
5. Once you've decided on the location, slide the magnet off the preamp, remove the white protective backing from the dual-lock and stick the magnet to the chosen spot.
6. Carefully "snap" the preamp to the magnet.



7. The battery holder can be attached with the self-adhesive Velcro. It should be located on an accessible spot like the neck block or another safe location of your choice.
8. When changing the 9-volt battery, we recommend you pull the entire holder off the Velcro and replace the battery outside the sound hole. Make sure the battery snaps all the way into place. Then stick the holder back on its Velcro pad. If the Velcro starts wearing out, you should replace it. It usually holds up for several years.
9. Attach the pickup's input jack with its self-adhesive jack mount system to a brace on the bottom of the guitar, or another location of your choice. Avoid installing it on the guitar top.
10. Install the endpin jack according to the pickup installation instructions.
11. Secure all wiring with tape to prevent mechanical noise. Remember to leave enough slack on the battery wire to allow removing the holder for battery change.

## GAIN AND EQ

These controls are trim pots and need to be turned with a small screwdriver. Once you adjusted them to fit your instrument and amp, you will not have to touch them during performance. The volume slider and the amps EQ will be all you need to adjust for room acoustics.

The gain control trim pot allows for adjusting the input sensitivity of the preamp. It also sets the pre-amplification level of the circuit. The volume slider simply turns the output down. Gain sets the sensitivity to perfectly fit the circuit to different pickups in different guitars.

**Note:** If the gain is set too high, distortion may occur. When you adjust your gain level turn the volume slider all the way **up** and set a lower volume on your amp. Then strike your guitar strings hard and listen for distortion. Ideally, you should raise the gain to a point shortly before distortion occurs.