

Wave-Length

Installing a Second Source

We recommend that a second source be installed by a qualified technician or luthier. Second source installation is best performed prior to installing the pickup in the guitar. If the unit has already been installed in the instrument, it will be necessary to remove the pickup from the saddle slot, being careful not to damage or distort the pickup in any way. Next, separate the battery holder from the guitar body. Finally, remove the outer fasteners of the end pin jack and carefully remove the entire pickup/preamp assembly from the guitar.

1. Remove the chassis cover by removing the two screws.
2. If the second source you are installation requires power, install a 1/8 Watt 10KΩ resistor R17

Note: A condenser/electret microphone requires power. A coil or dynamic microphone does not require power.

3. If you would like to increase the output level (add gain) of your second source install a 1/8 Watt resistor in R14 according to the table below.

R14 Resistor Value	Gain Added to Second Source
10KΩ	10.1dB
15KΩ	7.8dB
22KΩ	6.0dB
33KΩ	4.4dB
51KΩ	3.1dB
75KΩ	2.2dB

4. Solder the “Hot” and “Ground” wires from you second source to the second source input pads shown below.
5. Route the second source input cable through the slot in the back of the chassis. It is desirable to secure the cable to the inside of the chassis with a small amount of hot glue.
6. The second source is fed out to the ring terminal of the output jack. The Wave-Length under saddle pickup remains on the tip terminal of the output jack. The treble and bass potentiometers only affect the under saddle pickup.
7. Replace the cover and secure the screws. Be sure to align the holes with the trimpots.
8. Install the Wave-Length system in the guitar according to the instruction sheet included with the Wave-Length.

