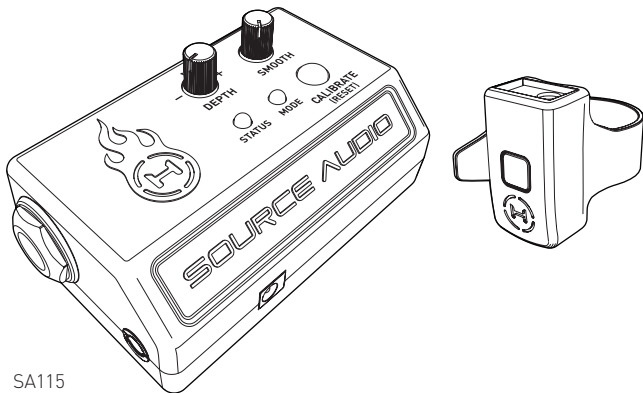




HOTHAND3

Universal Wireless Effects Controller

USER'S GUIDE



Welcome

Thank you for purchasing this Hot Hand 3 Universal Wireless Effects Controller. We hope that the new functionality of the Hot Hand 3 unit gives you even greater freedom of use and expressive control over all of your effects. Please save this manual for your reference.

Your Hot Hand 3 kit includes:

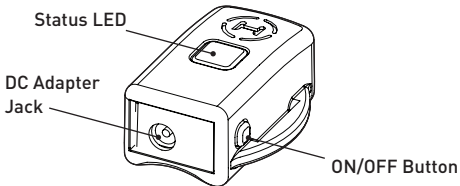
- Hot Hand wireless sensor ring
- Receiver base station
- DC adapter power supply (used for ring charging and external power for receiver unit)
- SA160 sensor cable



If possible, dispose of the device at a recycling center. Do not dispose of the device with the household waste.

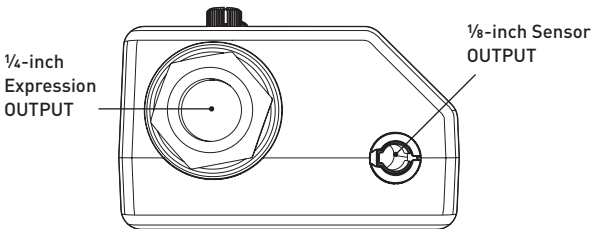
Charging the ring

Before using your new Hot Hand 3 Universal Wireless Effects Controller you should fully charge the ring battery. The ring uses a small and lightweight Lithium Polymer rechargeable battery. To charge the ring battery, first plug the DC adapter power supply into a standard electrical outlet. Next plug the DC adapter into the small jack on the plastic end of the ring. When fully charged, the ring will operate for around 6 hours. Charging time will be between 1 and 1.5 hours. While the ring is charging, the blue LED on the top will blink quickly. When the charge is completed the LED will turn off.

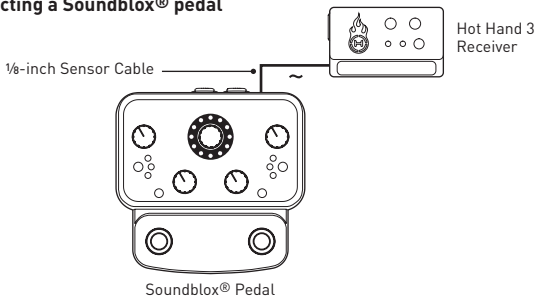


Connections

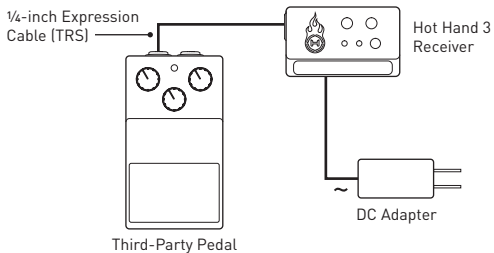
The receiver can be connected to any effects pedal that has the appropriate input jacks. This includes the Sensor Input or Multi-Function Input on all Soundblox pedals and any other manufacturer's pedal that has a 1/4-inch expression input. If the receiver is connected via the SA160 sensor cable, it will be powered through this connection. In order to send an output signal on the Expression Output, the receiver unit will need powered by the included DC adapter power supply. The knobs and MODE LED will be illuminated when the receiver is powered. The blue STATUS LED on the face of the receiver will blink indicating that the receiver is looking for a ring to pair up with.



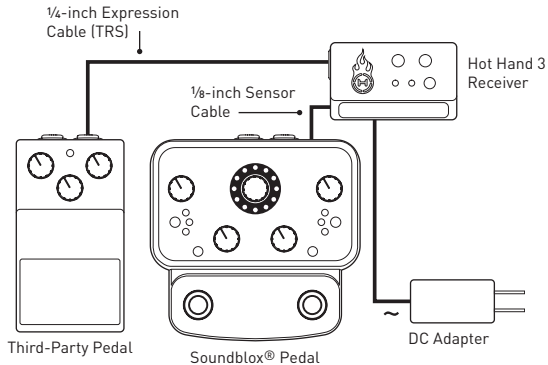
Connecting a Soundblox® pedal



Connecting a Third-Party pedal



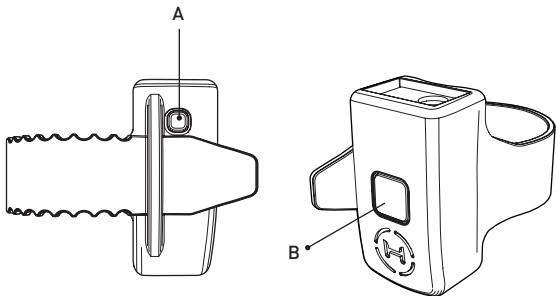
Connecting Soundblox® and Third Party pedals



Using the wireless ring

Once the ring is fully charged and the receiver is powered, you can turn on the ring. Gently press the ON/OFF switch (A) on the side of the ring. If the link between the ring and the receiver is working, the blue STATUS LED on the receiver and the blue LED (B) on the ring will both turn on solidly (not blinking). Your Hot Hand Wireless Adapter is now ready to use!

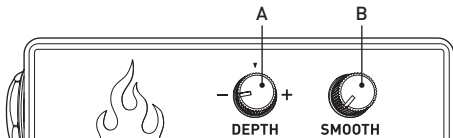
Note: Resetting the receiver is necessary to link with a new or different ring. This can be done by either disconnecting the power or by pressing and holding the CALIBRATE button for two seconds.



Adjustments

Most Source Audio Soundblox pedals have built-in controls for adjusting the Hot Hand input, however, some do not and it may be useful to adjust the parameters on the Hot Hand 3 receiver itself. The Expression Output is ALWAYS affected by the knobs. **By default, the DEPTH and SMOOTH controls will NOT have an effect on the Sensor Output.** You can choose whether the knobs also apply to the Sensor Output by selecting the appropriate Output Mode.

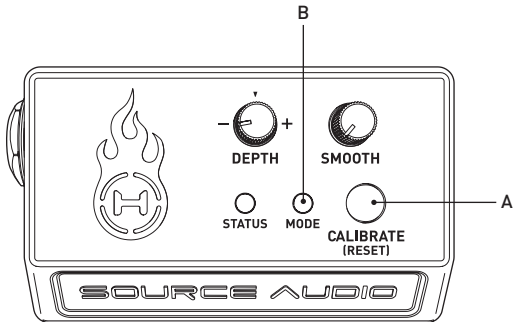
The two knobs on the interface of the receiver can be used to adjust the response of the Hot Hand signals. They are the DEPTH knob (A) and the SMOOTH knob (B). The DEPTH knob controls the range of the output Hot Hand control signal. It's divided into two regions, minus and plus, so the current axis control signal can be inverted if desired. Set this knob to its maximum clockwise or counter-clockwise setting for the largest range of movement. The SMOOTH knob controls the sensitivity of the Hot Hand to movement. Set this knob to its maximum clockwise setting for the most smoothing and reduced sensitivity.



Calibration

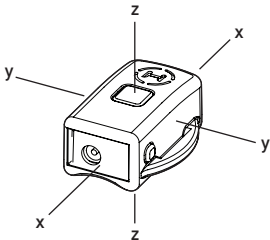
Calibration is used to set the control output level when the ring is in the middle of its range. Depending on your set up, it may be useful to adjust the calibration to get the desired response.

Set the angle of the ring to your desired midpoint and press the CALIBRATE button (A). The MODE LED (B) will blink to indicate it has received the new calibration setting. The calibration will be saved to memory. The same calibration will be used the next time the receiver is powered up.



Selecting an output mode

The Hot Hand 3 Receiver can output a total of three control signals: two on the Sensor Output and one on the Expression Output. By default, the X-axis signal of the Hot Hand ring is processed and sent to the Expression Output and the Sensor Output sends X and Y-axis signals without any processing. There are six different output modes available to select between the three axis outputs as well as a selection to enable or disable processing on the Sensor Output signals.



To enter the output selection mode, press and hold CALIBRATE while powering on the receiver until the green MODE LED begins to blink. Alternatively, when the unit is powered on normally you can press and hold the CALIBRATE unit to perform a RESET and continue to hold the button to get into the editing mode.

As the MODE LED blinks, press the CALIBRATE button again to scroll through the six output modes. The LED colors of the DEPTH and SMOOTH knobs will change along with the MODE LED to indicate which mode is currently selected:

	KNOBS	MODE	EXPRESSION OUTPUT	SENSOR OUTPUT	SENSOR OUT PROCESSED
1	GREEN	GREEN	X-axis	X and Y	NO
2	GREEN/RED	GREEN	Y-axis	Y and X	NO
3	RED	GREEN	Z-axis	Z and X	NO
4	GREEN	RED	X-axis	X and Y	YES
5	GREEN/RED	RED	Y-axis	Y and X	YES
6	RED	RED	Z-axis	Z and X	YES

To exit the output editing mode, press and hold the CALIBRATE (RESET) button for two seconds or cycle the power on the receiver.

For future Source Audio products, the Hot Hand 3 receiver can output all three axes digitally through the SENSOR OUTPUT. This is automatically configured and if the connected pedal is capable of receiving digital information, the MODE LED will change to green/red to indicate that digital output is being used.

Notes on using multiple units

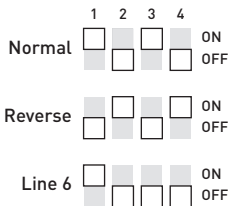
The Hot Hand 3 Universal Wireless Effects Controller is designed to accommodate simultaneous use of up to four ring/receiver pairs. The receiver is programmed to lock on to the strongest signal, so to ensure that your wireless ring is linked to the correct receiver, hold the ring within a foot of the base station and press the ring's ON/OFF button. Once the ring has linked to the desired receiver, you can turn the ring ON and OFF without breaking the connection. To reset the ring/receiver link either disconnect the power or press and hold the CALIBRATE button for two seconds.

Configuring the expression output

Since expression inputs and outputs are not standardized the Hot Hand 3 has a set of small switches that can be used to configure the Expression Output to work with a variety of third-party effects unit. There is a small set of switches on the underside of the receiver unit. Depending on your setup, you can adjust the switches as necessary by using a ballpoint pen or similar small tool.

- **Normal** mode is the most common setting used by pedal manufacturers, including Source Audio.
- **Reverse** mode is commonly used by Korg and some other manufacturers.

- **Line 6** mode is a special setting for use with Line 6 effects units and stompboxes. **Note:** Unlike most expression inputs, this mode uses a normal mono (TS) guitar cable instead of a stereo (TRS) type.



Status LEDs and troubleshooting

The ring and receiver both have LEDs to indicate status. The table on this page describes the different ways the LEDs will appear. If the LEDs are indicating a problem, use the table for troubleshooting. Please note that when the directions say to “cycle the power”, you should unplug the base station’s sensor cable and DC power supply, turn the ring OFF, and start these directions from the beginning.

- Continued

LED State	Description
Ring LED — fast blink	Ring is being charged.
Ring LED — slow blink	Ring is trying to find a receiver to link up with. Make sure that the receiver is plugged into the correct port and is powered up properly. If it still doesn't work, cycle the power.
Ring LED — off	Ring is off or the battery charge is complete. Press the ring ON/OFF switch to turn the ring on. If the ring does not turn on, check the directions for charging the battery above.
Ring LED — solid [no blink]	Ring is on and is communicating with the receiver.
Receiver [status] LED — slow blink	Receiver is looking for a ring. Turn on the ring to complete the link.
Receiver [status] LED — intermittent blink	Temporary loss of signal from ring. Once the ring and receiver are properly linked, the STATUS LED will indicate that the signal from the ring is being properly received. If the ring signal goes out of range, is blocked, or if there is interference on the channel, the STATUS LED will turn off temporarily to indicate that the ring signal has been lost. Bring the ring back in range or cycle the power to find a new channel.
Receiver [status] LED — off	If the STATUS LED is off, the receiver is not being powered. Make sure that the DC adaptor is plugged into the receiver unit or that the sensor cable is connected to a Soundblox pedal.

LIMITED WARRANTY

Source Audio, LLC (hereinafter "Source Audio") warrants that your new Source Audio Hot Hand 3 Universal Wireless Effects Controller, when purchased at an authorized Source Audio dealer in the United States of America ("USA"), shall be free from defects in materials and workmanship under normal use for a period of two (2) years from the date of purchase by the original purchaser. This Limited Warranty does not extend to the batteries which are purchased as is. Please contact your dealer for information on warranty and service outside of the USA.

Under this Limited Warranty, Source Audio's sole obligation and the purchaser's sole remedy shall be repair, replacement, or upgrade, at Source Audio's sole discretion, of any product that, if properly used and maintained, proves to be defective upon inspection by Source Audio. Source Audio reserves the right to update any unit returned for repair and to change or to improve the design of the product at any time without notice. Source Audio reserves the right to use reconditioned parts and assemblies as warranty replacements for authorized repairs. Any product repaired, replaced, or upgraded pursuant to this Limited Warranty will be warranted for the remainder of the original warranty period.

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