



Project Mountain View Bluetooth Input Module

MV-BT User's Guide





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Important Safety Information

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Power the product down, and unplug it from power before cleaning.
7. Clean only with a dry cloth.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. No naked flame sources (such as lighted candles,) should be placed on the product.
10. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades, with one blade wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11. Protect the power cord from being walked on or pinched, particularly at plugs, receptacles, and at the point where they exit the apparatus.
12. Refer all servicing to qualified service personnel. Servicing is required when:
 - A. The apparatus is damaged in any way
 - B. The power supply cord or plug is damaged
 - C. Liquid or other objects have fallen into the product
 - D. The product has been exposed to rain or moisture
 - E. The product does not operate normally
 - F. The product has been dropped
13. This apparatus shall not be exposed to dripping or splashing.
14. This apparatus is to be used in a moderate climate. Do not expose to extremely high or low temperatures.



Wireless Transmission Compliance

This device is compliant with the following standards:

USA: FCC Part 15C, 15B, Part 2

CANADA: RSS 247, ICES 003

EUROPEAN UNION: IEC/EN 62368-1, EN 300 328, EN 301 489-1/-17,
EN55032+EN55035

Responsible Party Name: Kali Audio Co, Inc.

Address: 1455 Blairwood Ave, Chula Vista, CA 91913

Phone Number: +1-339-224-5967

MV-BT complies with the FCC rules as mentioned in the following paragraph:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Kali Audio Co, Inc. is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

FCC RF Radiation Exposure Statement:

- (1) This Transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
- (2) This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Radiation Exposure Statement

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



About this Product

Congratulations on your Kali Audio MV-BT Bluetooth Input Module. This device is made to let you use Bluetooth-capable devices, such as smartphones and laptop computers, with professional audio equipment.

Where does “MV” come from?

The official name of this product line is “Project Mountain View.” Kali names all of our product lines after towns in California. Mountain View is the town where several major tech companies, including Google, are headquartered. As Silicon Valley continues to develop phones and other devices without analog audio outputs, we thought it was a fitting name for a wireless audio device.

Bluetooth Audio

The MV-BT receives audio over Bluetooth using the aptX codec. This codec allows compatible devices to stream CD-quality audio over bluetooth with minimal latency.

Balanced Outputs

The MV-BT provides stereo TRS and XLR for easy connection with any professional system. Because these are balanced connectors, users can use long runs of cable without risking more noise entering the signal. You can connect the MV-BT directly to speakers, or run it through a mixer or interface for even more control.

Independent Volume Control

The MV-BT uses independent volume control, so you don’t need to control volume from your playback device. This frees your hands for other tasks, means that the device can play at full resolution, while still giving you the opportunity to fine-tune the output volume according to your needs.



Full Specifications

Type:	Receiver
Bluetooth Codec with iOS Devices:	AAC
Bluetooth Codec with other Devices:	aptX (CD Quality)
Bluetooth Version:	4.2
Channels:	2
Input Sensitivity:	+4 dB
Inputs:	Bluetooth, 3.5mm (aux)
Balanced Outputs:	2 x XLR, 2 x TRS
Power Source:	5V DC (Wall Wart Included)
Height:	80mm
Length:	138mm
Width:	130mm
Weight:	.5 kg
UPC:	008060132002569

Inputs, Outputs, and Controls





Inputs, Outputs, and Controls

1

5V DC Power input

Connect the included wall wart to this input. This is the only way of turning the MV-BT on or off.

2

XLR Outputs

Use the XLR Outputs to send signal to a pair of speakers, a mixer, or an interface. Because XLR is a balanced connection, you needn't worry about adding more noise to the signal. Either the XLR or TRS outputs may be used according to your preference

3

TRS Outputs

Use the TRS Outputs to send signal to a pair of speakers, a mixer, or an interface. Because TRS is a balanced connection, you needn't worry about adding more noise to the signal. Either the XLR or TRS outputs may be used according to your preference

4

3.5mm (AUX) Input

Use the 3.5mm input for older devices that do not have Bluetooth, in situations where wireless interference makes Bluetooth unusable, or if you prefer using a physical connection.

5

Pairing Button

Press and hold the Kali logo for 2 seconds to enable pairing mode. The LED around the logo will flash quickly to indicate that you are in pairing mode. With pairing mode enabled, you should be able to find the MV-BT on your device (labeled "Kali MV-BT") and pair to it.

If the MV-BT is not paired, but not in pairing mode, the LED around the logo will flash slowly. To enter pairing mode, either press and hold the Kali logo for 2 seconds, or restart the MV-BT by unplugging the unit and plugging it back in.

6

LED Array

The LED Array indicates the current volume. More LEDs will illuminate from left to right as volume is turned up.

7

Volume Control

Control output volume with the large, weighted knob. This volume controller does not control the volume from your device, so you can pass the highest possible quality audio at all times.



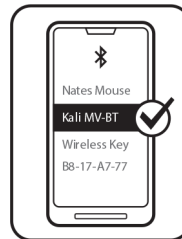
First Time Setup

Before connecting to the MV-BT:

- Plug the MV-BT into power.
- Connect audio cables from the MV-BT to your speakers, mixer, or interface.
- Turn on all devices in your signal path.
- Set the volume of your speakers to a reasonable level.



1. Turn the volume of the MV-BT all the way down, until none of the lights on the LED array are illuminated.



5. Select “Kali MV-BT” from the list of available devices.



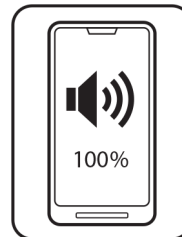
2. Press and hold the Kali logo for 2 seconds.



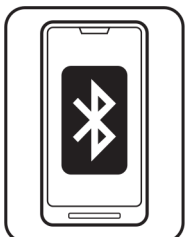
6. The Kali logo should now be illuminated with a solid blue light. Your device is paired!



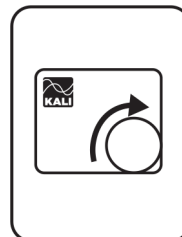
3. The Kali logo will begin to flash, indicating that the MV-BT is in pairing mode.



7. Turn the volume on your device to maximum for optimum resolution.



4. Navigate to the Bluetooth settings menu on your device.



8. Turn the volume up at the MV-BT.

Enjoy your device!



Tips and Tricks

Take these steps to keep audio fidelity as high as possible when using Bluetooth:

- Always make sure that device that is paired with the MV-BT is turned up to maximum volume, and that whatever app or program you're playing audio from also has its output volume set to maximum. This will ensure that you are streaming audio at the highest resolution possible from your device.
- In general, ~80% is a good nominal level for the MV-BT. You should adjust the level on the next device in your signal chain so that the MV-BT can play at or near full output without overloading your system.
- If you're plugging your MV-BT directly into speakers:
 - If possible, set the speaker's input sensitivity to +4 dB. This is a common level for professional balanced connections.
 - The speakers' level should be set so that the MV-BT can be at about 80% volume and it is comfortable to listen. Many speakers have a position with a detente, or a position marked "0 dB" on their volume pot. This is a useful place to start when setting up your system.
- If you're plugging your MV-BT into an interface or mixer:
 - If possible, set the input sensitivity of the input channel to +4 dB.
 - If the input channel has a preamp, keep it turned all the way down. Do not use Phantom Power.
 - If you can adjust the level of the input channel, set it so that the MV-BT can be at about 80% volume and it is comfortable to listen to with the rest of your usual settings. This may be well lower than the 0.0 dB level.

If you are having difficulty pairing your device to the MV-BT:

- Ensure that the MV-BT is in pairing mode. When in pairing mode, the LED around the Kali logo on the top of the MV-BT will flash rapidly. To initiate pairing mode, press and hold the Kali logo for two seconds.
- If the MV-BT is still not available from your device's Bluetooth menu, simply restart it by removing the 5V power cable and plugging it back in. This should initiate pairing mode right away.
- You may encounter interference from devices that were previously paired that are still in the room with the MV-BT. Make sure to unpair from those devices, or turn Bluetooth off on those devices before attempting to pair new devices.
- If you use your device with multiple MV-BTs, you might have some trouble connecting to the right one immediately. To mitigate this problem:
 - Make sure you're looking for the current MV-BT you wish to connect to under your device's "Available Devices" menu, rather than the "Paired Devices" menu.
- You may wish to tell your device to forget its connection to an MV-BT once you are done. This will streamline the process of connecting to subsequent MV-BTs.



Warranty

What does this warranty cover?

This warranty covers defects in materials or workmanship for a period of one year (365 days) after the purchase date of the product.

What will Kali do?

If your product is defective (materials or workmanship,) Kali will replace or repair the product at our discretion - free of charge.

How do you initiate a warranty claim?

Contact the retailer from whom you bought the product to initiate a warranty process. You will need the original receipt showing the date of purchase. The retailer may ask you to provide specific details about the nature of the defect.

What is not covered?

The following cases are NOT covered by this warranty:

- Damage from shipping
- Damage from dropping or otherwise mishandling the MV-BT
- Damage resulting from failure to heed any of the warnings outlined on pages 3 and 4 of the user's manual, including:
 1. Water damage.
 2. Damage from foreign substances or substances entering the MV_BT
 3. Damage resulting from an unauthorized person servicing the product.

The warranty applies only in the United States. International Customers should contact their dealer about their warranty policy.

Manufacturer

Kali Audio Inc.

Address: 1455 Blairwood Ave. Chula Vista, CA 91913, USA