Xvive MD1 Wireless MIDI System Owner's Manual

Xvive MD1 Wireless MIDI System

Contents

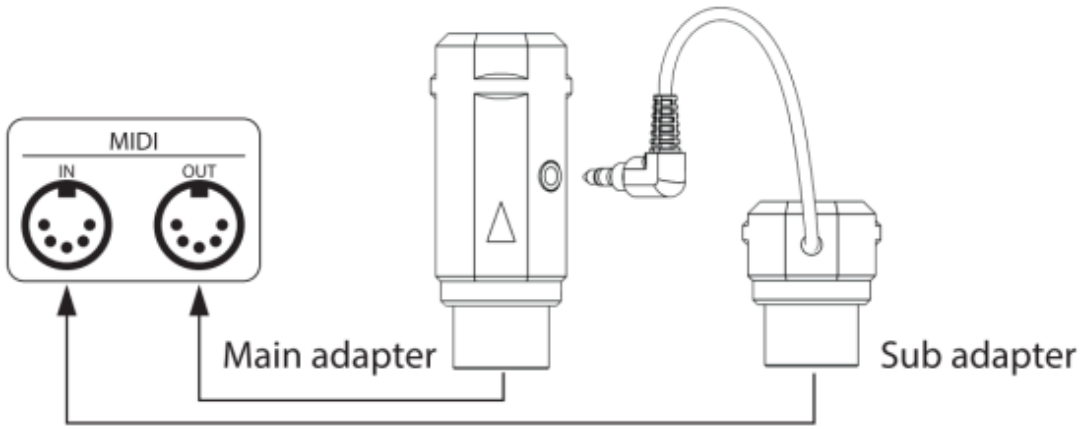
SAFETY INFORMATION

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, fire or other hazards. These precautions include, but are not limited to, the following:
– Do not connect the unit during an electrical storm.
– Always follow the instructions carefully when setting up the unit.
– To avoid fire and/or electrical shock, do not expose the unit to rain or moisture.
– Keep the unit away from dust, heat and vibrations.
– Do not touch the connectors with wet hands.

CONNECTION

MD1 adds wireless Bluetooth MIDI transmission and reception functionality to music equipment with MIDI DIN connectors. This product consists of two parts: one is the Main Adapter, which is used to obtain power from a MIDI OUT DIN connector and send or receive MIDI messages wirelessly. The other is the Sub Adapter, which is used to transmit MIDI messages to the MIDI IN DIN connector of the MIDI device.

MD1 can be used to send MIDI information to-or receive MIDI information from-any MIDI devices or computers that have built-in BLE (Bluetooth Low Energy) MIDI functionality, including Bluetooth MIDI controllers, iPhones, iPads, Mac computers etc.



When you need to transmit MIDI information between two MIDI devices that don't have built-in BLE functionality, you can use two MD1 sets, one on the transmitting end and one on the receiving end. MD1 can be used with any MIDI DIN connectors of MIDI devices that apply to the MIDI standard, such as: synthesizers, MIDI controllers, MIDI interfaces, keytars, electric wind instruments, v-accordions, electronic drums, electric pianos, electronic portable keyboards, audio interfaces and digital mixers.

The MDI main adapter has an indicator LED. Whenever MDI is receiving power, the LED will be lit. When the LED is blue, it means that the device is in normal working condition. The LED turns green when the device is in the process of installing a firmware upgrade.

CONNECTING MD1 TO ANY STANDARD MIDI DEVICE

1. Plug the 2.5mm mini plug of the MDI Sub Adapter into the mini jack of the Main Adapter.
2. Plug the MDI Main Adapter into the MIDI OUT DIN connector of the MIDI device; plug the Sub Adapter into the MIDI IN DIN port.

Note: If the MIDI device only has a MIDI OUT DIN connector, there is no need to connect the mini jack connector and Sub Adapter.
Note: If the MIDI OUT DIN connector of the MIDI device is not able to provide 3.3V~5Vof power, please visit the Xvive website (xviveaudio.com) for information about the DIY power supply cable.

CONNECTING TWO NON-BLUETOOTH MIDI DEVICES WITH TWO MD1 S

1. Plug in one MDI set to each of the two MIDI devices you are connecting, following the instructions above.
2. Power on both MIDI devices.
3. The two MDI units will pair automatically. Once paired, the blue LED will change from slow flashing to constant light. The LED light will also flash when MIDI data is being transmitted.

CONNECTING A NON-BLUETOOTH MIDI DEVICE TO A BLUETOOTH (BLE) MIDI DEVICE

1. Connect the MDI to the (non-Bluetooth) MIDI device, and power on the device. Also power on the Bluetooth MIDI device.
2. MDI will automatically pair with the Bluetooth MIDI device. Once paired, the blue LED will change from slow flashing to constant light. The LED light will also flash when MIDI data is being transmitted.
   Note: If MD 1 cannot automatically pair with a Bluetooth MIDI device, there may be a compatibility issue. If you experience this, please contact Xvive for technical support.

CONNECTING MD1 WITH MACOS X

1. Power on the MIDI device that the MDI is plugged into; check that the blue LED is flashing slowly.
2. On the computer, click the [Apple icon] on the upper left corner of the screen, and navigate to the [System Preferences] menu. Click on the [Bluetooth icon], click [Turn Bluetooth On], then exit the Bluetooth settings window.
3. Click on the [Go] menu at the top of the screen, click [Utilities], and click [Audio MIDI Setup].
   Note: If you don't see the MIDI Studio window, click the [Window] menu at the top of the screen and click [Show MIDI Studio].
4. Click the [Bluetooth icon) in the upper right corner of the MIDI studio window; find MD1 in the device name list; and click [Connect). The MD1 Bluetooth icon will appear in the MIDI studio window, indicating a successful connection. You can then exit all settings windows.

CONNECTING MD1 WITH AN IOS DEVICE

1. Power on the MIDI device that the MD1 is plugged into; check that the blue LED is flashing slowly.
2. On the iOS device, click on the [Settings] icon to open the Settings page, click [Bluetooth) to enter the Bluetooth settings page, and slide on the Bluetooth switch to activate Bluetooth functionality.
3. Go to the Apple App Store; search for the free application [midimittr] and download it.
4. Open the midimittr app, click the [Device) menu at the bottom right of the screen, find MD1 in the list, click [Not Connected), and click [Pair] on the Bluetooth pairing request pop-up window. The status of MD1 in the list will be updated to [Connected), indicating that the connection has been successful. Then you can press the Home button on the iOS device to minimize midimittr and keep it running in the background.
5. Open any music app that accepts external MIDI input, select MD1 as the MIDI input device on the settings page, and you're all set.

SPECIFICATIONS

Technology	Bluetooth 5, MIDI over Bluetooth Low Energy (BLE-MIDI)
Connectors	MIDI IN/OUT (5-pin DIN)
Switch, indicator	Switch button, 1 multicolor LED
Compatible devices	MIDI devices with S-pin DIN OUT; MDI Bluetooth MIDI MIDI devices with S -pin DIN OUT; MDI Bluetooth MIDI **4.0 or later**
Compatible OS	iOS 8 or later, OSX Yosemite or later
Latency	As low as 3ms (speed-tested with two MDI son BLE 5)
Range	**20 meters without obstructions**
Firmware update	Wireless updating using the XVIVE App (iOS/Android)
Power supply	5V/3.3V compatibility via MIDI OUT
Power consumption	37mW
Size	Main: 21 mm(W) x 21 mm(H)x49mm(D) Sub: 18 mm (W)x 18 mm (H) x24 mm (D)
Weight	Main: 12g, Sub: 11g

Specifications are subject to change without notice.

FAQ

CAN I JUST CONNECT THE SUB ADAPTER OF THE MD1 TO MIDI IN WHEN I'M ONLY USING MD1 TO RECEIVE MIDI?
The Sub Adapter cannot work as a standalone unit. It must be connected to the mini jack of the Main Adapter.

CAN MD1 CONNECTWIRELESSLYWITH OTHER BLE MIDI DEVICES?
Assuming the BLE MIDI device complies with the standard BLE MIDI specifications, it can be connected to an MDI automatically.

CAN MD1 CONNECT WITH WINDOWS 10?
Your DAW or music software must integrate Microsoft's latest UWP API in order to work with the Bluetooth class-compliant MIDI driver that comes with Windows I 0. Most music software has not yet integrated this API for

various reasons. As far as we know, only Cakewalk by Bandlab currently integrates this API-so it is able to directly connect to MDI and other standard Bluetooth MIDI devices.

CAN MD1 CONNECT WITH ANDROID DEVICES?
As with Windows, the Android music app must integrate the universal Bluetooth MIDI driver of Android's OS in order to communicate directly with any Bluetooth MIDI device. However, for various reasons, most Android music apps have yet to integrate this functionality.

TROUBLESHOOTING

THE LED OF THE MD1 MAIN ADAPTER ISN'T TURNING ON
– Is the Main Adapter connected to the MIDI OUT jack of the MIDI device?
– Has the MIDI device been powered on?
– Does the MIDI OUT DIN connector of the MIDI device supply power?
Consult the manufacturer of your MIDI device for relevant information.

THE WIRELESS CONNECTION RANGE IS VERY SHORT, OR THE LATENCY IS LARGE, OR THE SIGNAL IS INTERMITTENT
MDI uses Bluetooth technology for wireless transmission. The transmission range, response time and signal strength will all be affected by interference or obstruction from objects in the environment-such as trees, reinforced concrete walls, and electromagnetic waves.

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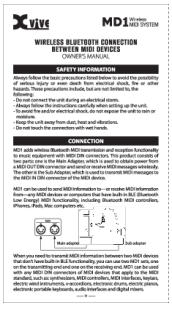
Documents / Resources

	Xvive MD1 Wireless MIDI System [pdf] Owner's Manual MD1 Wireless MIDI System, MD1, Wireless MIDI System