

OCTOPUS is available at https://www.tindie.com/products/Ken/octopus/

OCTOPUS is a wireless MIDI interface . There are some wireless MIDI interface in the market, so, what's the different is OCTOPUS ?

The major difference of OCTOPUS is that it has TWO independent MIDI inputs (one wireless MIDI input and one wired MIDI input) that can be used simutaneously, the signals from the two MIDI inputs will merge and go to the MIDI output.

That means, OCTOPUS can act as a MIDI mixer. You can connect two MIDI input devices (e.g. a MIDI keyboard and a keytar) to OCTOPUS.

Specifications of OCTOPUS

The working band is 2.4GHz ISM. 3 radio channels selectable. Maximun Wireless communication distance 80 feets without obstacle. No noticeable latency.

USB class compliant for Win ME/XP and Windows 7.

OCTOPUS Receiver

Powered by USB 1 MID In port 2 MIDI Out ports 1 LED RF Channel switch Power switch Size : 9.7cm x 6.7cm x 2.5cm Weight : 50 grams



OCTOPUS Transmitter

2 x 1.5 Volts AA battery holder MID In port RF Channel switch Power switch External Power connecter Size : 9.2cm x 6.0cm x 2.5cm Weight : 50 grams (without battery)



System requirement

A resonable fast PC Win XP/ Win 7 MIDI keyboard/controller MIDI synthesizer/sound card/tone generator/soft synthesizer

Installation of OCTOPUS

- Make sure OCTOPUS receiver & transmitter are switched to the same RF channel (Channel A, B or C) BEFORE you turn on their power, otherwise, they can not communicate.
- 2. Connect OCTOPUS receiver to a computer using a USB cable.
- 3. Turn on the Power switch of OCTOPUS receiver. If the USB ready LED is turned on, then the receiver is OK and the driver for OCTOPUS will be installed automatically.



Windows 7 (install as USB2.0-MIDI)



- 4. Connect a MIDI keyboard/controller to the MIDI In port of the OCTOPUS transmitter.
- 5. Place usable battery into the battery holder of the OCTOPUS transmitter. Turn on the power switch, the power on LED will light up.

Now OCTOPUS is ready to use !

OCTOPUS setup examples :

1. Wireless MIDI interface



4. Setup without computer



<u>FAQs</u>

Q : Windows does not detect the OCTOPUS driver.

A : Unplug OCTOPUS, shut down the computer and wait a minute. Restart computer and re-plug OCTOPUS.

Q : I can't see "OCTOPUS" driver in the device manager.

A : The driver name of OCTOPUS is "USB Audio Device" in Windows XP and "USB2.0-MIDI" in Windows 7.

Q : I cannot see the OCTOPUS driver in my music program (e.g. Cubase/Logic/MIDI Ox/soft synth/...)

A : This is a Windows bug !

Open Control Panel->System->Device Manager. If you see OCTOPUS driver in the device manager, but you cannot see the driver in your music program, then :

1. Exit your music program

2. While the Device Manager is opening, switch off/unplug OCTOPUS, and you can see the OCTOPUS driver disappear.

3. Switch on/unplug OCTOPUS again, you can see the OCTOPUS driver re-appear.

4. In Device Manager , right-click on <Sound,video and game controllers> and select <Scan for hardware changes>.

5. Now re-open your music hardware, you should see the OCTOPUS driver now.

Q : The wireless connection does not work.

A : Check the channel switches to ensure both the transmitter & receiver are working at the same wireless channel.

Q : In the output device list of my music program, I can see the OCTOPUS driver, but there is an additional "MIDIOUT2" driver. What is it ?

A : The USB driver chip of OCTOPUS is capable of handling two hardware MIDI output port, but in OCTOPUS only 1 hardware USB MIDI output is implemented. So, this two software MIDI output port will both be connected to the OCTOPUS hardware USB MIDI output port.

Q : How to improve the effective communication distance of the OCTOPUS transmitter & receiver ?

A : 1. Keep minimun obstacles between the transmitter attenna and the receiver attenna. (e.g. let the attenna side of the receiver attenna face the attenna side of the transmitter.)

2. Keep the transmitter & receiver stationary.