Synthophone MIDI sax

Wireless MIDI system - User Guide

Introduction

The wireless MIDI system is an add-on device for use with the Synthophone MIDI sax.

The angled MIDI plug connects to the MIDI socket of the Synthophone - replacing the standard MIDI cable and power supply of the Synthophone. There is absolutely NO modification needed to run your Synthophone wirelessly. You can switch back to the standard MIDI cable setup using your existing power supply anytime.

Package content

- 1 wireless MIDI transmitter TX-02
- 1 wireless MID receiver RX-02
- 1 light-weight belt-pack with a carabiner
- 1 special MIDI adapter cable with an angled MIDI plug / a female MIDI socket / 2 USB plugs
- 2 USB powerbanks
- 1 dual USB universal charger (115V / 230V)
- 2 micro USB cables for recharging the USB powerbanks
- 1 mini USB cable for connection to your computer or the USB charger

Assembly of the Wireless MIDI System

The angled MIDI plug connects to the front MIDI socket of the Synthophone. The other end of the special cable connects to the wireless transmitter TX-02 inside the belt pack. The transmitter sends out MIDI data received from the Synthophone over a range of up to 150 feet to the MIDI receiver RX-02. The receiver RX-02 connects to your computer via USB - or - it can be used as a standalone wireless MIDI receiver when connected to any external MIDI equipment like synthesizers or other MIDI hardware. Always use the USB charger to supply power to the RX-02, when using it as a standalone receiver.

Two USB power banks are providing power to the Synthophone. A fully recharged set of these special accumulator batteries holds up for approximately three hours of performance time.

The power banks can be easily recharged using one of the dual USB power adapters shown below. Your power adapter can be any of the 3 types shown in the picture.

They all have universal input voltages from 115 – 230 volts. In some countries, you may still need a country specific travel adapter in order to recharge.

Two USB micro cables are supplied for simultaneus recharging of the two powerbanks. You can recharge while leaving the powerbanks inside the belt pack – or - you may remove them from the pack to recharge them exernally. When fully loaded, the LEDs on the powerbanks either shut off completely or light up steadilly. A full recharge cycle may take 6 to 10 hours, so it is best to recharge your USB powerbanks over night. There is NO danger in overloading the power banks, since they have their own built-in protection.

Wiring the wireless

The wireless MIDI receiver RX-02 and the wireless MIDI transmitter TX-02 are shown in the picture below. Connect the MIDI receiver RX-02 with the (supplied) USB mini cable to your computer.

The receiver RX-02 works without a software driver, i.e. it is a « plug-and-play » device for both Windows and MAC operating systems.

The transmitter TX-02 has two AAA-batteries inside, which last for approx. 60 hours of continuous use. These batteries must be replaced from time to time.

Switch ON the TX-02 after the RX-02 is connected to your computer. A wireless connection is established automatically. This process is called « pairing ». The LEDs on both units will light up and stay ON steadilly. If the LEDs are blinking, you'll need to « pair » the units manually by briefly pressing the blue buttons on both units, one after the other. It does not matter, which button is pressed first. The LEDs should stay ON contantly when the units are « paired ».

The transmitter has two regular AAA batteries inside. With a small Philips screwdriver, unlock the small screw of the battery compartment, remove the cover and replace the batteries as shown in the picture. Please observe the correct polarity as shown. Close the cover and put the screw back in place (optional).

Setting up

Connect the male connector of the transmitter TX-02 to the female connector of the special MIDI cable. Place the two powerbanks inside the belt pack as shown below. They should be positioned under the elastic band inside the box. Then put the transmitter on top as shown. The transmitter MIDI cable should snuggly fit beside the transmitter forming an „S"-curve.

Connect the angled MIDI plug with your Synthophone.

Then plug both USB connectors into the powerbanks as shown below. It is not critical, which USB plug goes to the left and right powerbank.

Now switch on the transmitter inside and check its LED status. The LED should stay ON constantly. If it is blinking, either the receiver RX-02 is not yet turned ON - or you need to pair them manually, i.e. push the blue buttons on both units to synchronise them. A steady red LED shows that a wireless connection has been established.

Finally, close the box by pulling up both zippers equally from the left and right. Close the body pack by carefully pushing both USB cables inside the rim of the box. Only the MIDI cable leads to the outside from the top center of your belt pack.

Hook up and play !

Now clip the carabiner onto your belt as shown below.

You are ready to play !

Test your wireless range by walking away from the MIDI receiver while playing. The range is probably greater than what you'll possibly need on stage, but you may want to test your maximum wireless range during your sound check.

It may also be very helpful to walk off the stage and to check your sound from various places in the concert place.

Unplugging and switching off

After sound check - or when done with your performance, make sure to unplug the MIDI connector from the Synthophone. Also unplug the USB connectors from the USB powerbanks and switch off the transmitter TX-02 inside. During short intermissions (like between two sets) you may only want to disconnect the MIDI plug and one of the USB plugs inside from the instrument to save some battery power.

IMPORTANT: When powering up and getting back to playing, always connect the angled MIDI plug to your instrument FIRST and THEN reconnect the USB powerbanks.

The Synthophone will only boot up when powered up in that sequence!

Have fun going wireless!