Quick Start Guide for RockBoard® MOD 4

All-in-One Wireless System Receiver + Patchbay for Pedalboards

Introduction

Thank you for purchasing a **RockBoard®** MOD 4 - the new wireless gateway to your effects setup!

The **RockBoard®** MOD 4 - All-in-One Wireless System Receiver + Patchbay for Pedalboards offers an easy-to-use wireless connection between your instrument and your pedalboard, featuring digital wireless technology that delivers incredible audio quality, a simple setup procedure, and reliable use for any gigging musician. The wireless system works in the 2.4 GHz ISM band for unlimited worldwide use and offers a full 20 Hz - 20 kHz frequency range with only 5 ms of latency.

The patchbay module is designed to route connections from underneath your pedalboard to its front, giving you a central access point and tidying up your connections.

Precautions

Power Supply

The **RockBoard®** MOD 4 is powered by an optional 9V DC power supply with 2.1 x 5.5 mm barrel plug, polarity (-) center, using the DC input on the back of the unit. For a safe and stable operation, at least 500 mA are required. Unplug the AC power adapter when not in use or during electrical storms.

The XVive U2 Transmitter is powered by a rechargeable 3.7V, 650 mA Li-Ion battery which lasts up to 5 hours. The battery is charged via USB wall adapter or the USB Type A charge output on the front of the **RockBoard®** MOD 4. In emergency power can be supplied during use of the transmitter directly via USB adapter, but this will reduce the battery life.

Connections

Always turn off the power to all other equipment before connecting or disconnecting. This will help to prevent malfunction and damage to any of the devices used.

Cleaning

Clean only with a soft, dry cloth.

Handling

Do not apply excessive force to the switches or controls. Do not let paper, metal, dirt or other objects come into contact with the device or its connections. Take care not to drop the device and do not subject it to shock or excessive pressure. To avoid deformation, discoloration, or other serious damage, do not expose this unit to any of the following conditions:

- Direct sunlight
- Strong magnetic fields
- Excessively dusty or dirty environments
- Strong vibration or shock
- Heat sources
- Extreme temperature
- High humidity or moisture

FCC Certification

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference..
- This device must accept any interference received, including interference that may cause undesired operation.

Main Features

- Wireless System Receiver + Patchbay for Pedalboards
- Compatible with XVive U2 guitar wireless system
- 2.4 GHz ISM band for worldwide use
- 30 m / 100 ft. approx. range (without obstacles)
- 24 bit / 48 kHz uncompressed digital transmission
- Dynamic Range: > 103 dB
- RF Sensitivity: - 85 dBm
- Total Harmonic Distortion: 0.2%
- 4 selectable channels

Mounting

There are multiple options to mount your new MOD 4 onto a **RockBoard®** pedalboard. You can either mount it in the MOD slot (available on all **RockBoard®** pedalboards except DUO 2.0, 2.1 and 2.2) or detach the MOD's front plate and mount it on top or underneath your pedal board. For detailed step-by-step instructions, please refer to the full manual available at: **www.rockboard.net**

Setup & Operation

Thru-Connections

The **RockBoard®** MOD 4 - All-in-One Wireless System Receiver + Patchbay for Pedalboards is designed to act as central access point to your effects setup. The A, B, C, and D TRS sockets are wiring thru-connections from the front of MOD 4 to the corresponding sockets on the back. This allows you to connect your pedals permanently underneath the board, so you only have to connect cables to and from the front of the board, instead of having to route underneath it when setting it up for a gig.

Wireless System

The **RockBoard®** MOD 4 features a completely independent wireless system that can be used with the patchbay module. To use the wireless system, follow the quick start instructions:

- Connect a 9V DC power supply with 2.1 x 5.5 mm barrel plug, polarity (-) center, min. 500 mA to the power input of the MOD 4 and switch the MOD on.
- Connect your amp, effects pedals etc. to the 6.3 mm / 1/4" TS Receiver Output.
- Plug the XVive U2 Transmitter into the output jack of your instrument.
- Turn the XVive U2 Transmitter on and check the blue LED light flashing times and make sure the blue LED lights show the same flashing pattern. This means transmitter and receiver are both in the same channel. After a successful connection the blue channel LED light up permanently.
- Start playing!

Basic Operation and Status LEDs

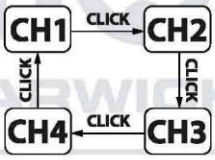
The XVive U2 Transmitter has two status LEDs, a red power / battery LED and a blue channel / signal indicator LED. A permanent red LED indicates that the power is on, a flashing red LED indicates that the battery needs to be charged. While charging, the red LED will stop flashing and turn off when the transmitter is completely charged. When the power is on, the blue LED will flash to indicate the set channel. If you use the channel select function, the blue LED will flash to indicate the channel:

Channel 1 – The channel / signal indicator LED will flash once.
Channel 2 – The channel / signal indicator LED will flash twice.
Channel 3 – The channel / signal indicator LED will flash three times.
Channel 4 – The channel / signal indicator LED will flash four times.

The blue channel LED on the MOD 4 will light up permanently when the transmitter and the receiver are connected. If the blue LED on the MOD 4 starts to blink, the signal is weak or disturbed.

Channel Select

Double click the channel select switch to activate the channel select function. Follow the diagram below to set up the channel, meanwhile the channel / signal indicator LED will flash to indicate the selected channel.



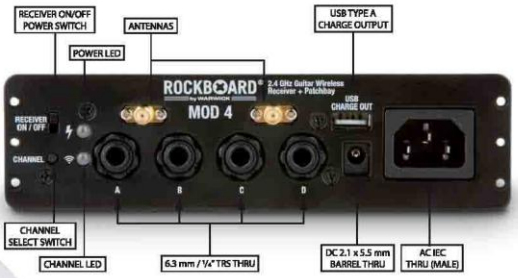
For tips and methods to improve wireless system performance, please refer to the full manual available at: **www.rockboard.net**

Specifications

- 2.4 GHz ISM band for worldwide use
- 30 m / 100 ft. approx. range (without obstacles)
- 24 bit / 48 kHz uncompressed digital transmission
- 20 Hz - 20 kHz frequency range
- 5 ms latency
- 4x 6.3 mm / 1/4" stereo thru (TRS)
- 1x 6.3 mm / 1/4" mono receiver audio output (TS)
- 1x DC 2.1 x 5.5 mm barrel thru
- 1x AC IEC thru
- 1x USB Type A charge output
- Weight: 500 g / 1.1 lbs
- Dimensions (L x W x H):
  175 x 85 x 47 mm / 6 7/8" x 3 3/8" x 3 15/16" (with front plate)
  160 x 85 x 33 mm / 6 5/16" x 3 3/8" x 1 5/16" (without front plate)
- Compatible with XVive U2 guitar wireless system
- Includes two antennas, USB charging cable, mounting screws and counter nuts
- Power supply via optional 9V DC adapter, 2.1 x 5.5 mm barrel plug, polarity (-) center
- Current draw 500 mA

Note: The manufacturer reserves the right to change these specifications without notice.

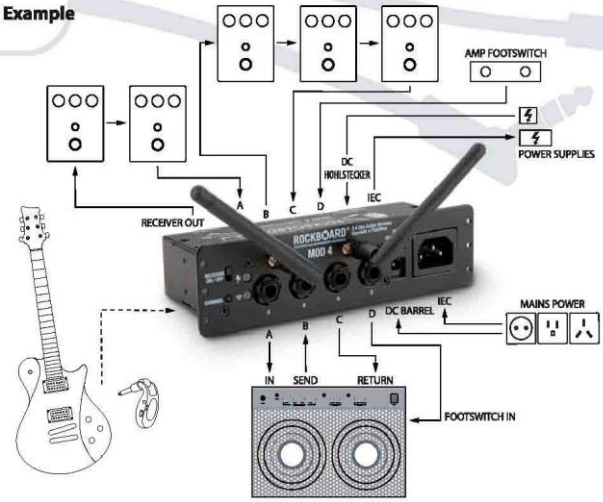
Front



Back

Transmitter

Setup Example



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FCC warning statements:

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 to this device not explicitly approved by manufacturer could void your 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IC warning statements:

-English Warning Statement:
“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."
The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).
-French Warning Statement:
“Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même
si le brouillage est susceptible d'en compromettre le fonctionnement."

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specifc absorption ratio (SAR).Cet équipement est conforme aux limites d’exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d’exposition aux fréquences radioélectriques (RF) CNR-102 de l’IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation du débit d’absorption spécifque (DAS).