GUITAR WIRELESS SYSTEM

Manual

CERTIFICATION

This Class B digital apparatus complies with Canadian ICES-003.

IC Caution: RSS-Gen Issue 4 December 2014"&"CNR-Gen 4e Décembre 2014:

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.

Radio Approvals:
FCC Part 15.249, FCC Part 15 B, RSS-210 (Canada), EN 300 440 (Europe), EN 301.489 (Europe), Japan Radio 2.4 GHz Band (Japan), MIC ARIB STD-T66 (Japan), California 65, CE.

CERTIFICATION

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 CAUSEUNDESIRED OPERATION.

Warning: Changes or modifications not expressly approved in writing by Xvive may void the users authority to operate this equipment.

RF Exposure Statement: This transmitter must not be co-located or operated in conjunction with any other antennae or transmitter.

Note: 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 the 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.

This Class B digital apparatus complies with Canadian ICES-003.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT REMOVE SCREWS.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THE APPLIANCE TO RAIN OR MOISTURE.

CE

Hereby, **SHENZHEN FZONE TECHNOLOGY CO., LTD,** declares that this type of equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU

SAFETY INSTRUCTIONS FOR LITHIUM-ION RECHARGEABLE BATTERIES

If abused or misused, the rechargeable batteries may leak. In extreme cases, they may even present a risk of explosion, fire, heat, smoke or gas. Xvive does not accept any liability for damagearising from abuse or misuse.

- Keep away from children.
- Only charge rechargeable batteries with chargers recommended by Xvive.
- Observe correct polarity.
- Pack/store charged rechargeable batteries so that the terminals cannot contact each other (danger of shorting out/fire hazard).
- Do not expose to moisture.
- Switch rechargeable battery-powered products off after use.
- Only charge rechargeable batteries at ambient temperatures between 10°C/50°F and 40°C/104°F.
- When not using rechargeable batteries for extended periods of time, charge them regularly (about every three months).
- Do not mutilate or dismantle.

- Do not heat above 60°C/140°F, e.g. do not expose to sunlight or throw into a fire.
- Immediately remove rechargeable batteries from obviously defective products.
- Do not continue to use defective rechargeable batteries.
- Only use rechargeable batteries specified by Xvive.
- Dispose of rechargeable batteries at special collection points or return them to your specialist dealer.
- Store the products in a cool and dry place at room temperature (approx. 20°C/68°F).
- Remove the rechargeable batteries if the products will not be used for extended periods of time.

INFORMATION ABOUT COLLECTION AND DISPOSAL OF OLD ITEMS AND USED BATTERIES

These symbols on the products, packaging, or on any documents in the package mean it is incorrect to mix the used electrical and electronic products and batteries with general household garbage.

To protect our environment, please take old products and used batteries to proper collection places, and follow your national legislation and the Directives 2012/19/EU and 2006/66/EC.

To deal with these old products and batteries properly, please help to save valuable resources and prevent any possibility of side effects on human health and our environment due to the inappropriate disposal of the old products and used batteries.

You can contact your local authority for getting more helpful information on how to dispose the recycling and collection of the old products and batteries.

[For business users in the European Union]

If you want to discard electrical and electronic item, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. Please contact your local authorities or dealer for more information on disposal of old items and used batteries.

IMPORTANT SAFETY INSTRUCTIONS
PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE

WARNING: BEFORE USING YOUR XVIVE U2 DIGITAL WIRELESS SYSTEM, CAREFULLY READ THE OPERATING INSTRUCTIONS.

1. Carefully observe all instructions in the U2 manual
2. Do not to perform service operations beyond those described in the U2 Manual. Service is required when the apparatus was damaged in any way, such as:
   - liquid was spilled or objects were dropped into the device,
   - the unit was exposed to rain or moisture,
   - the unit does not operate normally or significant changes in performance occur,
   - the unit is dropped or the housing is damaged.
3. Do not place near heat sources, such as radiators, heating ducts, or appliances which produce heat.
4. Guard the device against objects or liquids entering the device. Do not use or store the unit close to water.
5. Clean only with a damp cloth.
6. Only use attachments/accessories specified by the manufacturer.
7. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice “safe listening.”

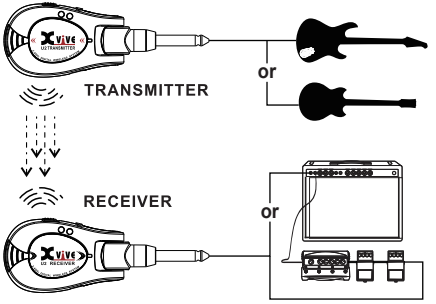
PRODUCT INTRODUCTION

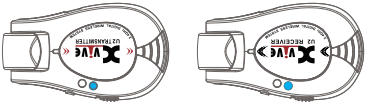
The Xvive U2 Guitar System features digital wireless technology that delivers incredible audio quality. It is easy to set up and extreme reliability for any gigging musician. It provides the full 20 Hz - 20K Hz frequency response, so you'll hear your guitar tone in great detail with only 6 ms of latency. This wireless system operates on the 2.4 GHz ISM band for crystal-clear transmission and excellent signal integrity on stage and it covers a range of 70 feet without any signal dropouts. The lithium-ion batteries help make the U2 wireless system environmentally friendly and they last up to 5 hours on a full charge. The housing is made of durable ABS plastic that can withstand the rigors of touring and the harshest environments. Thanks to its simple and compact design, this wireless system is easily integrated in any pedalboard configuration. Go wireless with the Xvive U2 system. It will clean up the stage and give you freedom to move.

PACKAGE DETAILS

U2 Guitar Transmitter 1x
U2 Receiver 1x
USB cable 1x
Manual 1x

QUICK START





Channel 1: one flash

Channel 2: two flashes

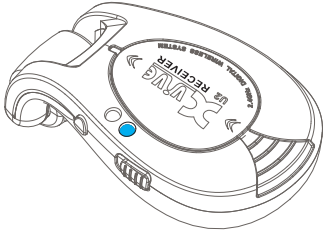
Channel 3: three flashes

Channel 4: four flashes

1. Transmitter plugs into your guitar (or other instrument), the receiver plugs into the effects pedal, amp or other audio device.

2. Turn transmitter and receiver on and verify that the blue LED flash the same number of times on both devices to indicate that they are operating on the same channel.

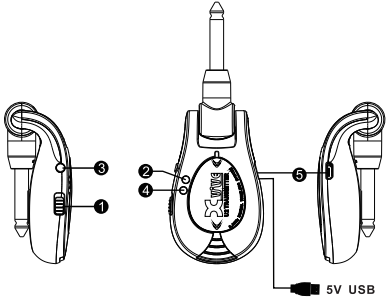
QUICK START



3. The LED on the receiver will stop blinking after the connection was successfully established.

4. Now, let's rock together.

BASIC OPERATION



1. Power – Slide switch to turn on/off

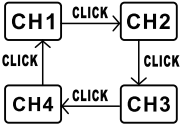
- TRANSMETER/RECEIVER

2. Power LED and battery LED

- solid red LED indicates Power ON
- flashing red LED indicates low battery charge, charging required
- LED will stop flashing during charging and turn off when charging is complete

3. Channel channel - synchronize TRANSMITTER and RECEIVER channels

- Double-click the channel switch to activate the cannel select function.
- Select the same cannel on both devices according the diagram. The signal LED will flash to indicate the selected channel.



BASIC OPERATION

4. Transmitter audio signal indicator LED

- When Power is on, the blue LED will flash to indicate the selected channel.
- After activating the channel selection function, click the button to set up the channel. The blue LED will flash to indicate the channel.

See Chart 1 for channel indication code

Receiver audio signal indicator LED

- When Power is on, the blue LED will flash to indicate the selected channel.
- After activating the channel selection function, click the channel button, the blue LED will flash to indicate the channel.
- The audio signal indicator LED on the receiver will stop flashing when transmitter and receiver are paired on the same channel.
- The blue signal indicator LED on the receiver will be solid when the signal is good. It will begin to flash when the signal becomes weak.

See Chart 1 for channel indication code

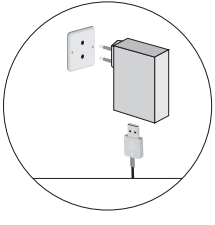
5. USB port - battery charging port

Chart 1: Channel indicator flash code

Channel 1	The Audio signal LED will flash once
Channel 2	The Audio signal LED will flash twice
Channel 3	The Audio signal LED will flash three times
Channel 4	The Audio signal LED will flash four times

BATTERIES AND CHARGING

Connect Power



Connect to the outlet

Note:

If the original power supply is not available, power can be supplied from a USB wall adapter (Smartphone power supply).
This may reduce the battery life, however.

CHARGING TIMES	BATTERY LIFE
15 minutes	30 minutes
30 minutes	1 hour
1 hour	2 hours
2 hours	5 hours

Always store the U2 at room temperature.

When storing the unit, please check the battery state regularly and charge if necessary.

2.4 GHz WIRELESS OVERVIEW AND INTERFERENCE

The U2 operates in the 2.4 GHz ISM band, the same band used by Wi-Fi, Bluetooth, and other wireless systems. 2.4 GHz is an open band and as such does not require a license to operate worldwide.

Tips and Methods to improve the performance of the wireless system

1) Keep more than 3 meters distance between the U2 receiver and other transmitters such as WiFi routers.
2) Change channels to avoid interference with other WiFi systems.
3) In case of interference from other WiFi systems, shorten the distance between the U2 receiver and transmitter.

2.4 Ghz Frequency Tables

CHANNEL 1	2402 MHz, 2480 MHz, 2482 MHz
CHANNEL 2	2408 MHz, 2472 MHz, 2474 MHz
CHANNEL 3	2420 MHz, 2456 MHz, 2458 MHz
CHANNEL 4	2432 MHz, 2448 MHz, 2450 MHz

U2 channels 1-4 use the same frequencies as U3/U3C/U4 channels 1-4. A maximum of six U2/U3/U3C and U4 sets can be used at the same time.

Q & A

Four channels

The U2 wireless guitar system has four different channels and up to four pairs of systems can be used simultaneously. If you have guitar, bass, keyboard and other instruments in your band, multiple U2 systems can be set up for different channels to prevent signal interference. If there is only one player, the channel selection can also be used to prevent interference from routers or other WIFI devices working on similar frequency bands. We generally recommend using channel 1.

Portable plug-and-play design

The U2 wireless system uses a portable plug-and-play design for both the receiver and the transmitter. This is very convenient for quick switching between guitars or basses and also between different amplifiers, effect pedals or other audio equipment and allows you more flexibility in setting up your equipment.

One transmitter and multiple receivers

You can use one transmitter with multiple receivers. For example, if you want to connect a guitar to two amplifiers, or to an effects pedal and a pedal tuner, you can simply use multiple receivers set to the same channel.

U2 receiver

Because U2 is a 2.4 GHz wireless system, please avoid placing the receiver near other signal-emitting devices. It is recommended that your U2 receiver be kept at least 3 meters away from other 2.4 GHz transmitters and WIFI routers.

Channel switching and locking

The channel selection function is unlocked for seconds after starting the device. You can click the "Channel" button to select the desired channel. The blue LED will blink after clicking. Flashing once means you are in channel 1. Flashing twice means you are in channel 2, and so on. The channel select function will be locked after 15 seconds. Double-clicking the Channel button will unlock the function again.

Q & A

Charging

A "Y" shaped cable is included in the package. You can use it to charge the transmitter and the receiver at the same time. The required output voltage is 5 V. The red LED light of the U2 is always on for normal use. When the red LED light flashes, the battery is low and must be recharged immediately. The red LED on the transmitter and receiver will flash during the charging process and will automatically turn off when the battery is fully charged.

Blue LED flashing

A flashing blue LED indicates signal interference. Please switch to another channel. Turn other off other 2.4 GHz devices (e.g. WIFI routers) or keep your distance from them. Make sure the U2 transmitter and receiver antennas are within signal range.

Antenna Angle

The antenna is built into the rear end of the U2. Its angle can be changed by about 180°. The strongest signal will be emitted / received on the front part of the transmitter / receiver. Please try to keep the front parts facing each while you play. Do not block the antenna with your hand or other objects, and keep the devices within signal range. If you encounter interference from other devices or need more distance, you can change the angle of the antenna and adjust it to the best condition.

Supported pickups and musical instrument

The U2 wireless system works well with passive electric guitar pickups and with piezo electric pickups for acoustic guitars or violins. For the active electric guitars, the pickup output voltage must be less than 5.6 Vp-p. Please keep the U2 transmitter away from the microphone in acoustic guitars with microphone pickup system. The transmitter works best when connected directly to the instrument. Please avoid connecting it to distortion effect pedals or any other high power outputs, as this may cause sound distortion.

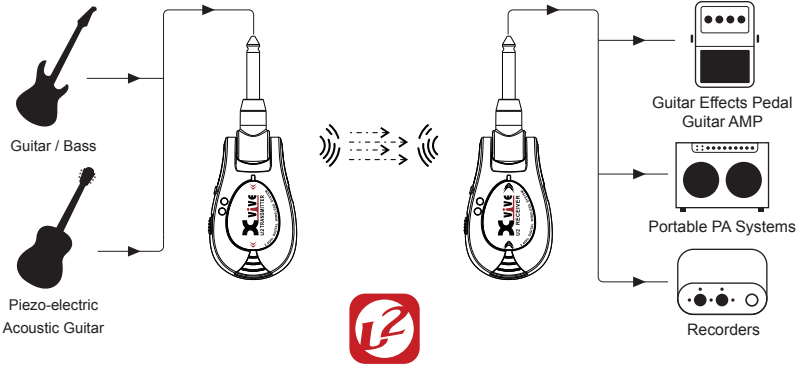
USB connector

The USB port is only intended for battery charging and does not support firmware upgrades.

SPECIFICATIONS

Transmission bandwidth	2400 – 2483.5 MHz
Working range	> 70 feet, line-of-sight outdoors. Actual range depends on RF signal absorption, reflection and interference.
Audio frequency response	20 Hz – 20 KHz(-3 dB). Dependent on microphone type or input signal.
Dynamic range	>103 dB
Battery life	Up to 5 hours (3.7 V Rechargeable Li-Ion, 650 mA)
RF sensitivity	-85 dBm
Total harmonic distortion	0.2 %
RF output power	10 mW E.I.R.P. max
Operating temperature range	-18℃ to 57℃. Battery characteristics may limit this range.
Channel count	up to 4 Channels
Maximum level	Input: 5.6 Vp-p Output: 5.6 Vp-p
Sample rate	24 bit/48 KHz uncompressed digital transmission

APPLICATION EXAMPLE



GUITAR WIRELESS SYSTEM

MADE IN CHINA

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