MANUAL
GUITAR
WIRELESS SYSTEM

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.

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

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 modifcations 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 antenna 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 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.

IMPORTANT SAFETY INSTRUCTIONS
PLEASE THESE INSTRUCTIONS IN A SAFE PLACE

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

1. Observe all instructions carefully in the U2 manual.
2. Do not to perform service operations beyond those described in the U2 Manual. Services required when the apparatus has been damaged in any way, such as:
   • Liquid has been spilled or objects have fallen into the apparatus
   • The unit has been exposed to rain or moisture
   • The unit does not operate normally or changes in performance in a significant way
   • The unit is dropped or the enclosure is damaged
3. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
4. Guard against objects or liquids entering the device. Do not use or place unit near 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

Xvive U2 guitar system features digital wireless technology that delivers incredible audio quality, simple setup, and is extremely reliable for any gigging musicians. It delivers a full 20 Hz - 20K Hz frequency response, so you'll hear your guitar tone in great detail with only 6ms of latency. This wireless system operates at 2.4G Hz ism band for crystal clear broadcasting ensuring the integrity of your signal on stage and covers 70 feet of range without any signal dropout. The li-ion batteries help makes the U2 wireless system environmentally friendly that can last up to 5 hours per charge. The chassis is made out of a durable abs plastic that can withstand the rigors of touring and the harshest of climates. This wireless is a perfect fit for any pedal board thanks to its simplistic, and compact design. So, go wireless with the xvive U2 system. It'll declutter the stage and offers freedom in motion

2.4 GHz WIRELESS OVERVIEW AND INTERFERENCE

U2 operates on the 2.4 GHz ISM band, which is also used by Wi-Fi, Bluetooth, and other wireless devices. 2.4 GHz is an open band and, as such, does not require a license to be used worldwide.

Tips and Methods to Improve Wireless System Performance
1) Keep more than 3 metres of distance between the U2 receiver unit and Wi-Fi transmitters, such as routers.
2) If you experience interference from Wi-Fi devices in the vicinity, try changing to a different channel on the U2 transmitter and receiver.
3) If necessary, shorten the distance between the transmitter and receiver units.

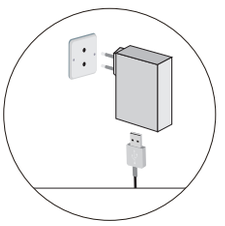
2.4Ghz Frequency Tables

CHANNEL1	2402MHz, 2480MHz, 2482MHz
CHANNEL2	2408MHz, 2472MHz, 2474MHz
CHANNEL3	2420MHz, 2456MHz, 2458MHz
CHANNEL4	2432MHz, 2448MHz, 2450MHz

BATTERIES AND CHARGING



Connect Power



Connect to the socket

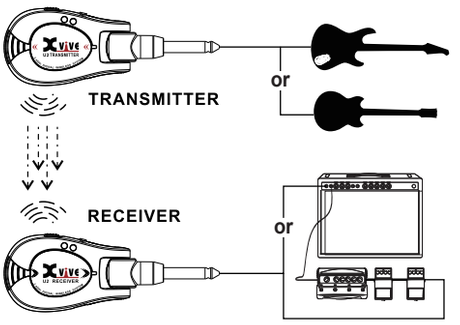
Note:
In an emergency, power can be supplied via a USB wall adapter however, the battery life will be reduced.

CHARGING TIMES	BATTERY LIFE
0:15 min	30 min
0:30 min	1 hour
1 hour	2 hours
2 hours	5 hours

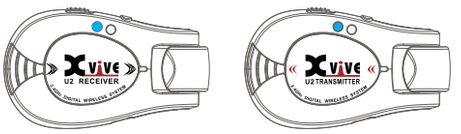
* Always store U2 at room temperature
* When storing the unit, please check the battery state regularly and charge if necessary.

QUICK START

1. Transmitter plugs into the Guitar (you instruments), the receiver plugs into the effects pedal, AMP, Audio, etc.

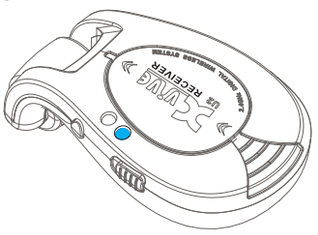


2. Turn on the Transmitter and the receiver and check the LED blue lights flashing times and make sure the blue LED lights have same flashing times which means transmitter and receiver are in both same channels.



channels 1 flash once
channels 2 flash twice
channels 3 flash three times
channels 4 flash four times

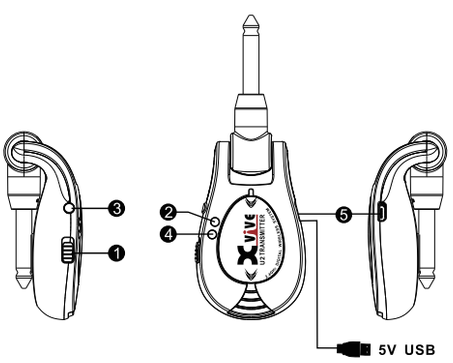
3. After connecting successfully, LED lights on receiver will keep light on.



4. Now, let's rock together.



BASIC OPERATION



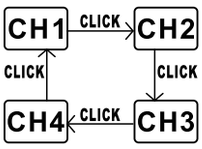
1. Power – Slide Switch to turn on/off
- TRANSMETER/RECEIVER

2. Power LED and Battery LED
- Solid Red LED indicates the power on,
- The flashing red LED indicates the battery is low charge, it needs to be recharged .

- In the progress of charging, the light will stop flashing and will turn off when it is fully charge.

3. Channel Select - Align TRANSMITTER and RECEIVER channels.

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



4. Transmitter Audio signal indicator LED

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

* For the flicking channel indication, please refer to chart 1*

Receiver Audio Signal indicator LED

- When the power is on, the blue LED will flash to indicate the pre-set channel .
- After activating the channel selection function, click the channel button, the blue LED will flash to indicate the channel
- The Receiver audio signal indicator LED will become solid blue when the Transmitter and Receiver are in alignment.
- When the signal is good, The receiver audio Signal indicator LED will become solid blue, it will start to flash if the signal is not good .

For the flashing channel indication, please refer to chart 1

5. USB Port – Battery recharger port.

*** Chart 1, Flashing channel indication**

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

FOR THE FLASHING CHANNEL INDICATION, PLEASE REFER TO CHART 1

SPECIFICATIONS

1. Tuning Bandwidth: 2400 – 2483.5MHz
2. Working Range:
>70 feet Line-0-site outdoors. Actual range depends on RF signal absorption, reflection and interference.
3. Audio Frequency Response:
20Hz – 20KHz(-3dB). Dependent on microphone type or Input signal.
4. Dynamic Range: >103dB
5. Battery Life:
Up to 5 hours (3.7V Rechargeable Li-Ion, 650mA)
6. RF Sensitivity: -85dBm
7. Total Harmonic distortion: 0.2%
8. RF Output Power: 10 mW E.I.R.P. max
9. Operating Temperature Range:
-18℃ to 57℃. Battery characteristics may limit this range.
10. Channel Count: up to 4 Channels
11. Maximum Level:
Input: 5.6Vp-p Output: 5.6Vp-p
12. Sample Rate:
24bit/48K Hz uncompressed digital transmission

Q & A

Four channels
The U2 wireless guitar system has four different channels, and can use up to 4 pair of systems at the same time.
When your band plays for guitar, bass, keyboard and other instruments, U2 can set up different channels for them to prevent signal interference. When there is only one player, the different channel function can also be used for him/her to prevent interferences from different frequency bands of routers or other WIFI devices. Generally we recommend to use Channel 1

Portable Plug-and- Play design
U2 wireless system uses a portable design; both the receiver and the receiver are plug-and-play design. It is very convenient for fast switching among guitar, bass, amplifiers, effect pedal and other audio equipments. It provides more flexibility in adjusting the equipments.

One Transmitter and multiple Receivers
When using a transmitter, you can use multiple receivers. For example, if you want to connect a guitar to two amplifiers or connect to effect pedal and pedal tuner, you need just use multiple receivers with setting up to be the same channel.

U2 Receiver
Since U2 is the 2.4 GHz wireless system, please avoid putting the receiver close to other signal emitting devices. It is recommended that your U2 receiver keep a distance of more than 3 meters from the other 2.4 GHz transmitter and WIFI router.

Channel switching and locking
The select function of channel is unlocked within 15 seconds after the product is started. You can click the "Channel" button for selecting the channel that you want.
After the click, the blue LED will flash. Flash once means you are in Channel 1. Flash twice means you are in Channel 2, and so forth. The select function of channel will be locked after 15 seconds. Double clicks for the Channel button can activate the function again.

Power charge
There is a "Y" shape cable in the package. It can charge the transmitter and receiver at the same time.
The voltage output is 5V. The red LED light of U2 will be always on for normal use. Red LED light flashing means low battery which requires immediate power charge. During power charging, the red LED on the transmitter and receiver will light on and they will be light off automatically after full power charge.

Blue LED Flashing
The blue LED light flashing indicates there is signal interference. Please switch to another channel, turn off or stay away from other 2.4GHZ WIFI, to make sure the U2 transmitter and receiver antennae be in the signal receiving range.

Antennae angle
The rear end of U2 is the antenna, which can be used at about an angel of 180°. The front signal of the transmitter and the receiver is the strongest. Please try to keep the front to face each other during using. Do not block the antenna with your hand or other items, and keep the signal within the receiving range of the antenna. When confront with interference from other devices or need more distance for using, you can change the antenna's angle and adjust it to be the best condition.

Supportive pickup and musical instrument
U2 wireless system works fine with passive electric guitar pickup, Piezo-electric acoustic guitar pickup and Piezo-electric violin pickup. For the Active electric guitar, pickup output voltage need less than 5.6Vp-p. Acoustic guitar with microphone pickup system , Please keep the U2 transmitter away from the microphone. Transmitter is better to connect to the instrument. Please avoid connecting it to distortion effect pedal or high power output interface which may incur the timbre distortion.

USB port
USB only works for charging function, does not support firmware upgrade.

Using one Receiver with multiple Transmitters:
The U2 receiver can be paired with one Transmitter at a time. I is possible, however to use two different Transmitters set to the same channel for e.g. two different instruments or as a backup when the battery charge runs low.
Set the U2 to a channel and pair the first Transmitter and the Receiver and turn the Transmitter OFF. Then activate the second Transmitter and set it to the same channel. You can now use either of the transmitters at any given time together with the Receiver.
When using two Transmitters with one Receiver in this fashion, only one of them can be ON at any given time to assure reliable operation without interference.
When not using the second instrument / Transmitter, please turn the other one OFF.

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.

ONE-YEAR LIMITED WARRANTY

This limited warranty does not cover the following:

- Products that have been modified in any way;
- Any products whose serial numbers have been altered or removed;
- Exterior cosmetic damage or damage to the finish due to misuse or normal wear and tear;
- Products that were purchased as "used", items listed as demo stock or refurbished items;
- Damage to the product or parts caused by improper storage by the user;
- Any freight charges (from or to the retailer);
- Shipping Damage:
  - Shipping damage claims must be filed with the freight carrier (such as UPS, FedEx).
  - Notify the freight carrier immediately of any shipping damage upon receipt of damaged items to begin the claim process.
  - We also recommend reporting any shipping damage claim within (48) hours of receipt to the Authorized Retailer from which the item was purchased.
  - Keep all original documents and packing materials until freight damage claim has a final resolution.

For units returned to Xvive USA:

- The item must be returned in the same format in which it was purchased. If a system containing a transmitter and receiver was purchased, then both units will need to be returned together.
- The purchaser will pay all freight charges to return the original item to Xvive USA or its affiliated service centers.
- If the unit is deemed to be covered by this warranty, Xvive will ship the repaired or replacement unit to the purchaser free-of-charge and without any additional freight charges.
- If the unit is deemed to NOT be covered by this warranty, other charges plus return freight charges will apply.

EXCEPT AS EXPRESSLY SET FORTH ABOVE IN THIS LIMITED WARRANTY, XVIVE MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES TO THE EXTENT PERMITTED BY LAW. XVIVE ASSUMES NO LIABILITY FOR PROPERTY DAMAGE RESULTING FROM FAILURE OF THIS PRODUCT NOR ANY LOSS OF INCOME, SATISFACTION, OR DAMAGES ARISING FROM THE LOSS OF USE OF SAME DUE TO DEFECTS OR AVAILABILITY OF SAME DURING SERVICE.THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR BY COUNTRY OR PROVINCE.

For warranty inquiries not covered in this policy, please contact support@xvive.com

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.

Cd

Xvive Customer Service
Email: *support@xvive.com*
Or, you can find your local distributor at
www.xvive.com

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