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MANUAL
MICROPHONE
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.

CERTIFICATION



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

Radio Approvals: FCC Part 15.249, FCC Part 15 B, RSS-210 (Canada), EN 300 440 (Europe), EN 301.489 (Europe), Japan MIC Notice No.88 Appendix No.43

The CE Declaration of Conformity & California 65 Test Report can be obtained at

<http://www.xviveaudio.com/productInfo.asp?id=354>

FCC 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 CAUSE UNDESIRE 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 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. 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.

**IMPORTANT SAFETY INSTRUCTIONS
PLEASE READ THESE INSTRUCTIONS
IN A SAFE PLACE**



**WARNING: BEFORE USING YOUR XVIVE U3 MICROPHONE WIRELESS SYSTEM,
CAREFULLY READ THE OPERATING INSTRUCTIONS.**

1. Observe all instructions carefully in the U3 manual.
2. Do not to perform service operations beyond those described in the U3 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."

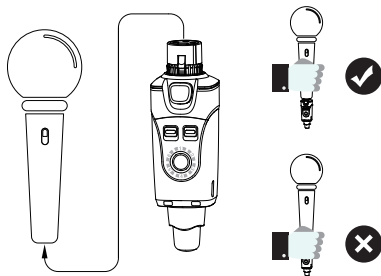
PRODUCT INTRODUCTION

- 2.4Ghz band is optimal for microphone wireless, approved for use in Europe, South America, Asia and Australia.
- Less than 5ms Latency, Simultaneous broadcasts on 6 channel.
- Broad 20Hz – 20KHz frequency response
- Indoor: Up to 90 feet(actual range depends on rf signal absorption, reflection and interference)
- 5 Hours of battery life (rechargeable battery for both Transmitter & Receiver)
- Working with dynamic microphone
- High Resolution 24-bit/48kpbs Audio
- Dynamic Range is 110dB
- Signal to Noise Ratio is 110dB
- U3 wireless aims to take the complexity and frustration, out of traditional wireless microphone systems. Creating a flexible, all-in-one solution that makes any your favorite microphones into wireless.

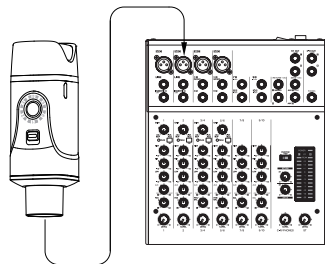
PACKAGE DETAILS

U3 Transmitter	1PCS
U3 Receiver	1PCS
USB Cable	1PCS
Manual	1PCS
Bag	1PCS

QUICK START

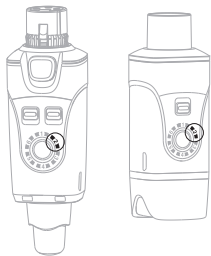


1. Plug the Transmitter into the Dynamic Microphone

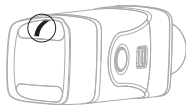


2. Plug the Receiver into the Mixer.

QUICK START



3. Turn on the Transmitter and the receiver and check the Channel.

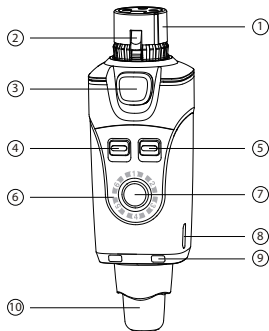


4. After connecting successfully, the LED lights on receiver will stay on.



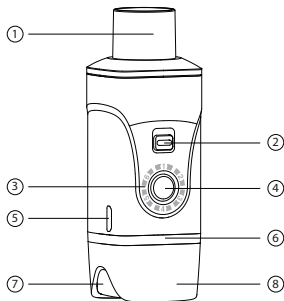
5. Now, let's rock together.

BASIC OPERATION TRANSMITTER



- ① Mic In – XLR microphone input jack
- ② Spring - Circumferential ground spring providing an accurate connection to the mating shell
- ③ mic Lock – secures the microphone to the Transmitter
- ④ Input level switch – Mic mode is a 0dB input, Switch to LINE mode is -10dB.
- ⑤ Power switch – powers the unit on and off
- ⑥ channel status LED
- ⑦ Channel switch
- ⑧ USB Port – For charges battery
- ⑨ Power status LED - indicate power status:
Led off= 100%~30%
Solid red = 29% ~ 11%
Red flickering = less than 10%
- ⑩ Antenna – Carries wireless signal.

BASIC OPERATION RECEIVER



- ① XLR OUT - XLR microphone input jack
- ② Power switch – powers the unit on and off
- ③ channel status LED
- ④ Channel switch
- ⑤ USB Port – For charging the battery
- ⑥ RF Status LED –
ON = Transmitter is on and link is established
Flashing = Signal connection interference
OFF = Transmitter off or unlinked
- ⑦ Power status Led - indicates power status.
Led off = 100%~30%
Solid red = 29% ~ 11%
Red flickering = less than 10%
- ⑧ Antenna – picks up the signal from the transmitter.

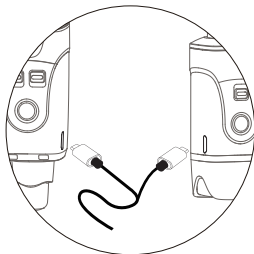
SPECIFICATIONS

U3 MICROPHONE WIRELESS SYSTEM

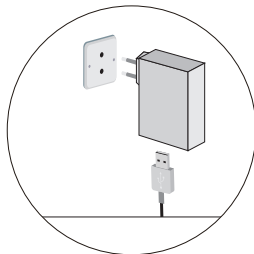
Tuning Bandwidth	2400 – 2483.5MHz
Working Range	Indoors 90ft Actual range depends on RF signal absorption, reflection and interference.
Audio Frequency Response	20Hz – 20KHz. Dependent on microphone type or Input signal.
Dynamic Range	110dB
Battery Life	Up to 5 hours
RF Sensitivity	-88dBm
Total Harmonic distortion	0.2%
RF Output Power	10 mW E.I.R.P. max
Operating Temperature Range	-18°C to 57°C. Battery characteristics may limit this range.
Channel Count	up to 6 Channels

	TRANSMITTER	RECEIVER
Dimensions	31 x 29 x 98 mm	31 x 29 x 98 mm
Weight		
Housing	Molded Plastic and cast Metal	Molded plastic and cast metal
Battery	3.7V Rechargeable Li-Ion, 860mA	3.7V Rechargeable Li-Ion, 860mA
Input Impedance:		
Audio Input Connector	Balanced XLR male input	
Audio Output Connector		Balanced XLR Female Output
Maximum Input Level	Mic mode: 2.8Vp-p Line mode: 7Vp-p	
Maximum Output Level		2.8Vp-p
Gain Adjustment Range	Two mode, Mic is 0dB, Line is -10dB	
Battery Life	Up to 5 hours	Up to 5 hours
Support microphone type	Dynamic microphone	
Antenna Impedance	50Ω	50Ω
Antenna Type	1/4 Wave Sleeve Dipole, non-removable	1/4 Wave Sleeve Dipole, non-removable
Number of antenna	1	2

BATTERIES AND CHARGING



Connect Power



Connect to the socket

CHARGING TIMES

RUNTIME TIMES

0:15

30 min

0::30

1 hours

1:00

2 hours

2:30

5 hours

- * Always store U3 at room temperature
- * When storing the unit, please check the battery state regularly and charge if necessary.

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

2.4 GHz SPECTRUM OVERVIEW AND INTERFERENCE

U3 operates within the 2.4GHz ISM band which is utilized by Wi-Fi, Bluetooth, and other wireless devices. 2.4Ghz 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 Receiver away with each transmitter and more than 3 meters from routers.
- 2) Change channels to avoid interference with other WiFi products.
- 3) Environmental interference in multiple wireless systems, Please shorten the distance between the transmitter and the receiver.

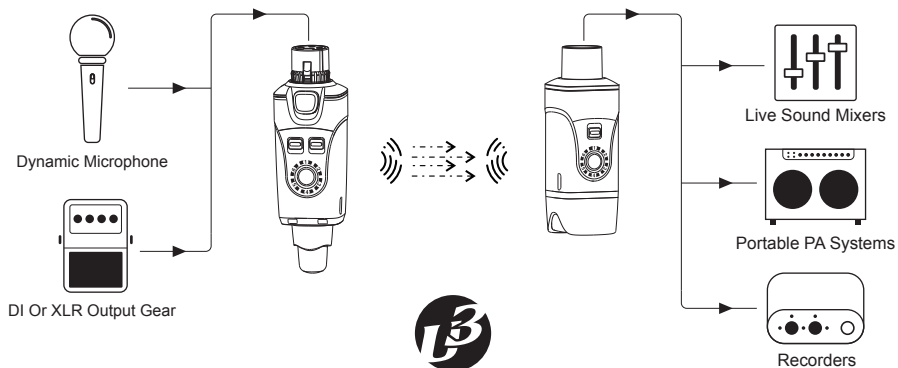
2.4Ghz Frequency Tables

CHANNEL 1	2402MHz, 2480M Hz, 2482MHz
CHANNEL 2	2408MHz, 2472M Hz, 2474MHz
CHANNEL 3	2416MHz, 2464MHz, 2466MHz
CHANNEL 4	2434MHz, 2440MHz, 2442MHz
CHANNEL 5	2427MHZ. 2448MHZ. 2450MHZ.
CHANNEL 6	2422MHZ. 2456MHZ. 2458MHZ

TROUBLESHOOTING

ISSUE	SOLUTION
No Sound	<ul style="list-style-type: none">• Check that the receiver's blue RF LED is lit.• Check that the microphone is turned on and receiving signal from the U3 Transmitter• Check that the power switch is turned on for both the Transmitter and the Receiver.• Ensure that the transmitter and receiver are on the same channel.
Distortion or Faint Sound	<ul style="list-style-type: none">• Adjust the gain mode to "Line" or "Mic"• Adjust the output signal from the transmitting device.
Signal instability: RF LED flickering, or off completely	<ul style="list-style-type: none">• See, "Tips and Methods to Improve Wireless System Performance"
Unable to switch the channel	<ul style="list-style-type: none">• The Channel switch locks after 30 second. Double-click the channel button to unlock and reset.

APPLICATION SCENE



MICROPHONE WIRELESS SYSTEM