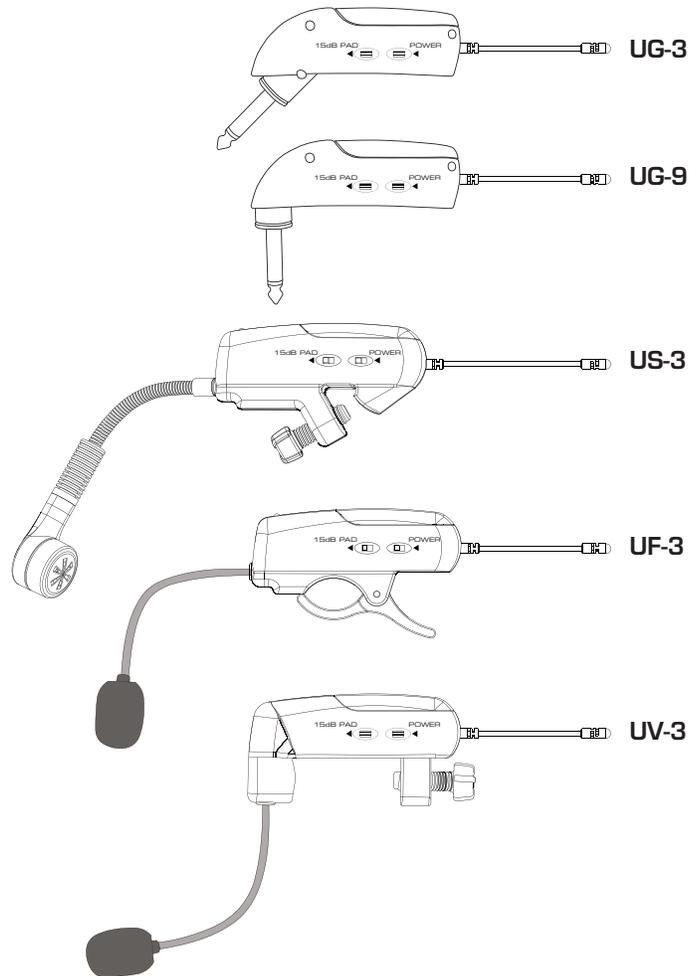
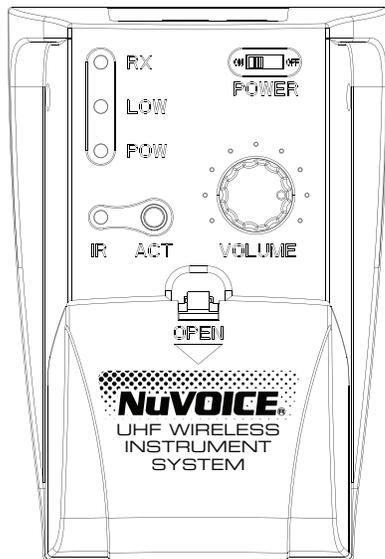


NuVOICE®



U-SERIES

Wireless Instrument System

Instruction Manual for Systems:

UG-3, UG-9, US-3, UF-3, UV-3

o w n e r ' s m a n u a l

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Safety Instructions



CAUTION RISK OF SHOCK



CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Only refer servicing to qualified service personnel.

Explanation of Graphical Symbols



The lightning flash & arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of danger.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

WARNING

To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.

2. Retain Instructions - The safety and operating instructions should be retained for future reference.

3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.

4. Follow Instructions - All operating and use instructions should be followed.

5. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

6. Water and Moisture - Do not use this unit near water. For example, near a bathtub or in a wet basement and the like.

7. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

7 A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause an overturn.



CALIFORNIA PROP 65 WARNING

WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: www.vocopro.com/prop65

8. Ventilation - The appliance should be situated so its location does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation slots.

9. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

10. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. Grounding or Polarization - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

12. Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. Cleaning - Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

14. Power lines - An outdoor antenna should be located away from power lines.

15. Nonuse Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

16. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

17. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

- A. The power supply cord or plug has been damaged; or
- B. Objects have fallen into the appliance; or
- C. The appliance has been exposed to rain; or
- D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
- E. The appliance has been dropped, or the enclosure damaged.

18. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Note:

To CATV system installer's (U.S.A.): This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected as close to the point of cable entry as practical.

FCC INFORMATION (USA)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS

UNIT!: This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by NuVOICE may void your authority, granted by the FCC, to use this product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable(s) supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the U.S.A.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurances that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the owner's manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "Off" and "On", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Use power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter(s).

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300-ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your local retailer authorized to distribute NuVOICE products. If you can not locate the appropriate retailer, please contact NuVOICE, 1728 Curtiss Court, La Verne, CA 91750.

CAUTION

The apparatus is not disconnected from the AC power source so long as it is connected to the wall outlet, even if the apparatus itself is turned off. To fully insure that the apparatus is indeed fully void of residual power, leave unit disconnected from the AC outlet for at least fifteen seconds.

CAUTION:

READ THIS BEFORE OPERATING YOUR UNIT

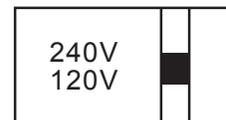
1. To ensure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
2. Install your unit in a cool, dry, clean place - away from windows, heat sources, and too much vibration, dust, moisture or cold. Avoid sources of hum (transformers, v motors). To prevent fire or electrical shock, do not expose to rain and water.
3. Do not operate the unit upside-down.
4. Never open the cabinet. If a foreign object drops into the set, contact your dealer.
5. Place the unit in a location with adequate air circulation. Do not interfere with its proper ventilation; this will cause the internal temperature to rise and may result in a failure.
6. Do not use force on switches, knobs or cords. When moving the unit, first turn the unit off. Then gently disconnect the power plug and the cords connecting to other equipment. Never pull the cord itself.
7. Do not attempt to clean the unit with chemical solvents: this might damage the finish. Use a clean, dry cloth.
8. Be sure to read the "Troubleshooting" section on common operating errors before concluding that your unit is faulty.
9. This unit consumes a fair amount of power even when the power switch is turned off. We recommend that you unplug the power cord from the wall outlet if the unit is not going to be used for a long time. This will save electricity and help prevent fire hazards. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
10. To prevent lightning damage, pull out the power cord and remove the antenna cable during an electrical storm.
11. The general digital signals may interfere with other equipment such as tuners or receivers. Move the system farther away from such equipment if interference is observed.

NOTE:

Please check the copyright laws in your country before recording from records, compact discs, radio, etc. Recording of copyrighted material may infringe copyright laws.

Voltage Selector (General Model Only)

Be sure to position the voltage selector to match the voltage of your local power lines before installing the unit.



NuVOICE®

Thank you for purchasing the U-SERIES from NuVOICE. All our products offer solid performance and sound reliability, and to reinforce our commitment to customer satisfaction, we have customer service and technical support professionals ready to assist you with your needs. We have provided some contact information for you below.

NuVOICE

1728 Curtiss Court
La Verne, CA 91750

Toll Free: 800-678-5348

TEL: 909-593-8893

FAX: 909-593-8890

Be sure to visit the NuVOICE website www.nuvoiceaudio.com for the latest information on new products.

FOR YOUR RECORDS

Please record the model number and serial number below, for easy reference, in case of loss or theft. These numbers are located on the rear panel of the unit. Space is also provided for other relevant information

Model Number _____

Serial Number _____

Date of Purchase _____

Place of Purchase _____

Listening For A Lifetime

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. NuVOICE and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to a higher volume of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

Start your volume control at a low setting.

Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

Set the dial and leave it there.

Pay attention to the different levels in various recordings.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Some common decibel ranges:

Level	Example
30	Quiet library, Soft whispers
40	Living room, Refrigerator, Bedroom away from traffic
50	Light traffic, Normal Conversation
60	Air Conditioner at 20 ft., Sewing machine
70	Vacuum cleaner, Hair dryer, Noisy Restaurant
80	Average city traffic, Garbage disposals, Alarm clock at 2 ft.

The following noises can be dangerous under constant exposure:

Level	Example
90	Subway, Motorcycle, Truck traffic, Lawn Mower
100	Garbage truck, Chainsaw, Pneumatics drill
120	Rock band concert in front of speakers
140	Gunshot blast, Jet plane
180	Rocket launching pad

-Information courtesy of the Deafness Research Foundation

Features and Specifications

The U-Series Wireless Instrument System is the ideal setup for the musician that seeks the freedom of performing wireless, while maintaining complete tonality of their instrument.

Receiver Features:

- Diversity receiver design eliminates dropouts caused by multipathing and interference
- 16 operating channels allow for multiple sets to be used simultaneously
- Operating range of up to 150 feet
- Adjustable squelch control to minimize outside interference
- TS ¼" audio output
- 3 LEDs display power, battery, and antenna link status
- Receiver can operate on 2 AA batteries or DC power adapter
- Receiver can be synced with one of five transmitters: UG-3, UG-9, UF-3, US-3, UV-3

Specifications:

Receiver

Frequency range.....	900MHz – 925MHz
Modulation type.....	F3E
OSC (Oscillator) system.....	PLL circuit
Operating distance.....	100m
De-emphasis.....	50u/sec
Operating temperature.....	0°C - 50°C (32°F - 122°F)
Storage temperature.....	-20°C - 70°C (-4°F - 158°F)
Receiving sensitivity.....	SINAD>30dB 10dBuV
Squelch sensitivity.....	17dBuV±4dBuV
S/N ratio.....	(f1KHz=1mV)95dB(A)
Audio output level at div.f15KHz.....	(F40KHz) 800mV
Audio frequency response.....	50Hz – 20KHz ±3dB
THD (at SG output 56dBuV).....	(F1KHz) <0.8%
Output impedance.....	5K – 10K ohms
Power.....	DC10V/ 3V AA batteries
Current consumption.....	10V/60mA 3V/100mA
Antenna.....	Dual ¼ wave length rod antennas
Controls.....	Audio volume/IR ACT/Ch select/Power
LED Display.....	IR SEND (white), Power (red), Low battery (yellow), Antenna (orange/green)

Transmitter

RF output power.....	10dBm±1dBm
Spurious.....	-50dBm
Modulation factor.....	40KHz
Pre-emphasis.....	50u/sec
Maximum input level.....	+2dBv
Input impedance.....	20K ohms
THD.....	<0.8% (1KHz 100mV)
Audio frequency response.....	50Hz-20KHz ±3dB
Operating power voltage.....	1.5V typical, 1.1V min – 2V max
Current consumption.....	80mA
Battery life.....	8 hours (AAA size battery)
Antenna.....	Permanently attached ¼ wave length wire
Controls.....	Power/15dB pad switch
LED Indicators.....	Power on (flash), Low battery (solid)

What's in the Box

Before starting any installation procedures, it is recommend to completely unpack all the package contents. The original packaging should be kept in the event that re-shipping is needed. Upon unpacking the U-SERIES, you should have received the following items:

Travel Case (1)

U-SERIES Receiver (1)

3 ft. male/male ¼" cable (1)

AC power adapter (1)

One (1) of the following:

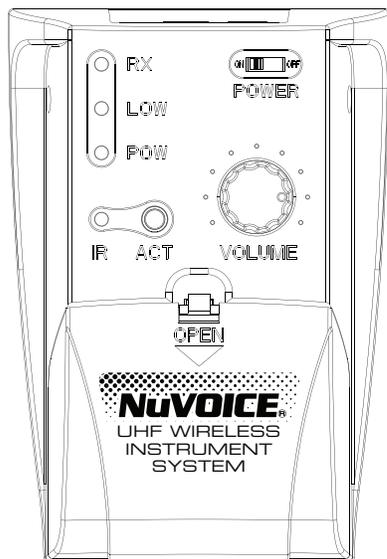
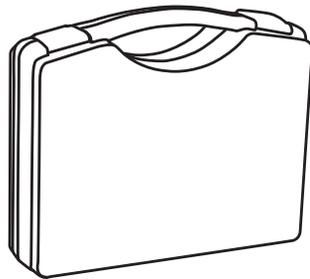
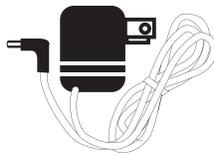
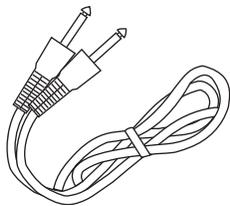
UG-3 Transmitter

UG-9 Transmitter

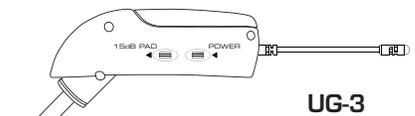
US-3 Transmitter

UF-3 Transmitter

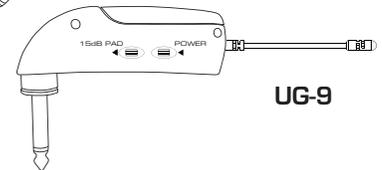
UV-3 Transmitter



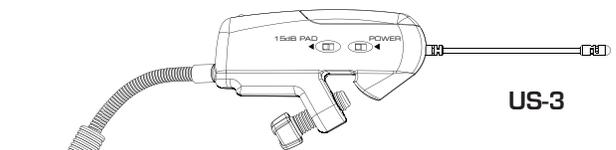
one
transmitter
included



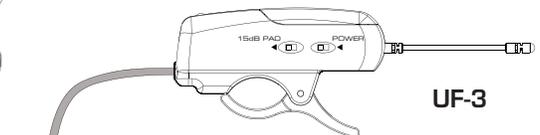
UG-3



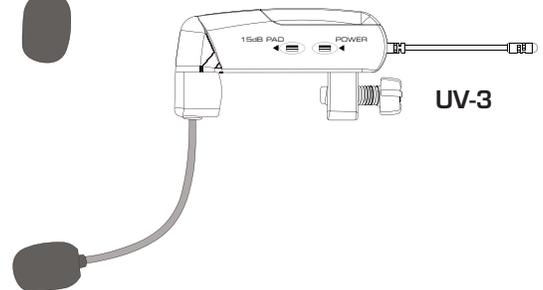
UG-9



US-3



UF-3

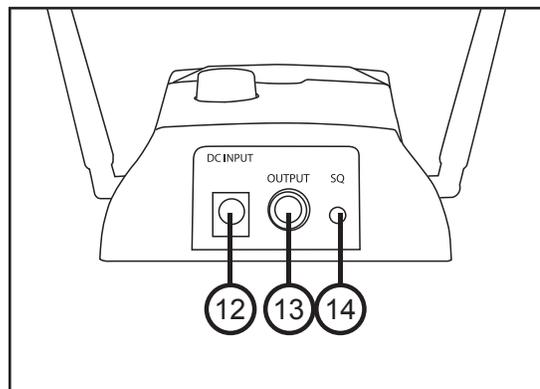
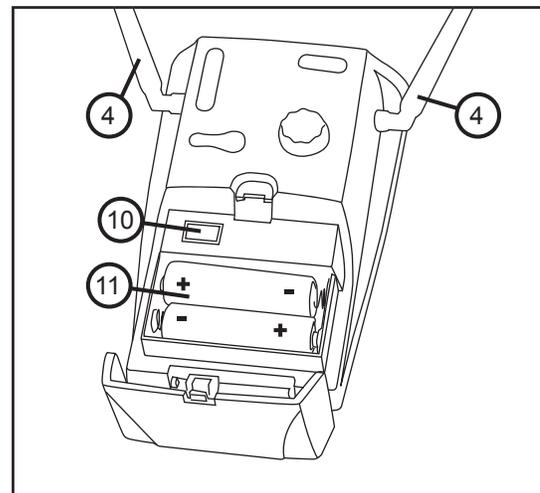
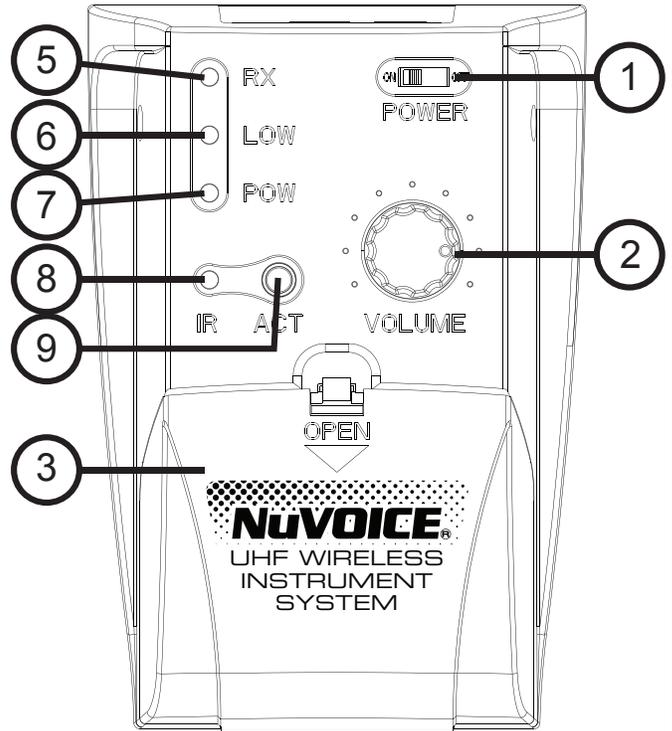


UV-3

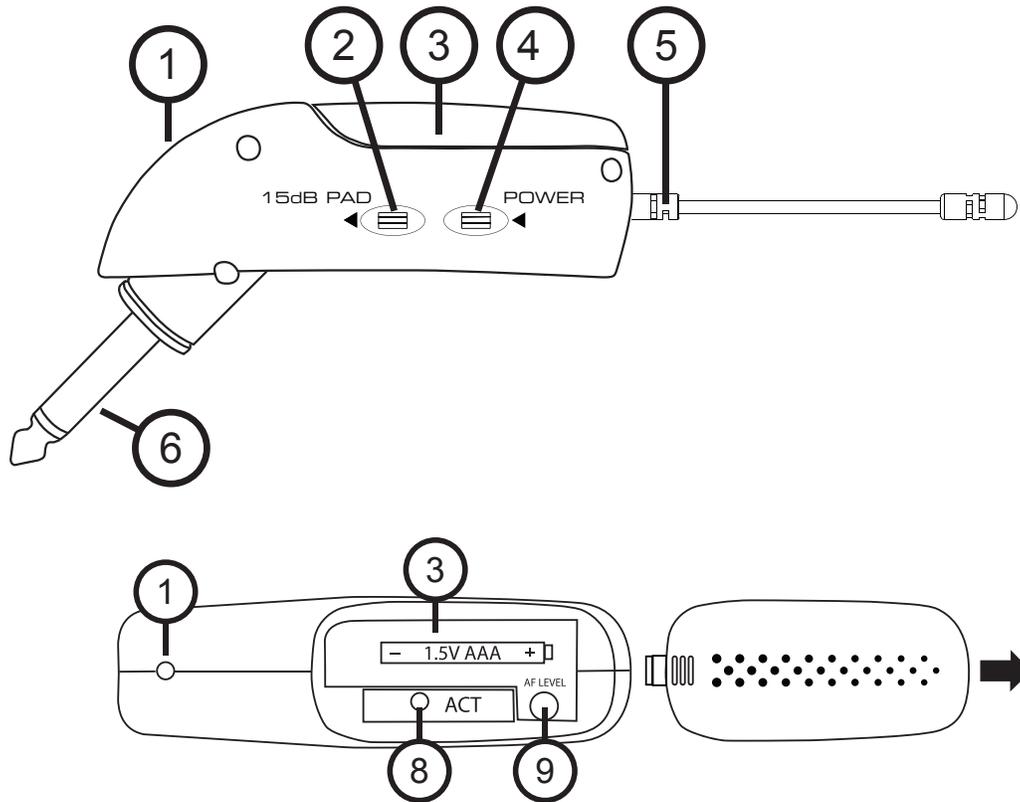
Descriptions and Functions

Receiver

1. POWER SWITCH – Use this switch to turn the receiver ON/OFF.
2. VOLUME CONTROL – Use this knob to adjust the audio output volume. Turn clockwise to increase, counter-clockwise to decrease.
3. BATTERY COMPARTMENT LID – Open the battery compartment lid to insert and remove batteries, and to set the operating frequency.
4. ANTENNAS – Receive signals from transmitter.
5. ANTENNA LINK (RX) LED – Indicates the link status with the transmitter.
Orange – Antenna 1
Green – Antenna 2
OFF – No link with transmitter
6. LOW POWER LED – Indicates the batteries are low on power and need to be replaced.
7. POWER LED – Indicates when the receiver is powered on.
8. IR SYNC LED– This LED is used to sync a transmitter to the operating frequency.
9. IR SYNC BUTTON – Press this button to sync a transmitter with the receiver (see operations section for instructions on syncing a transmitter)
10. CHANNEL SELECTOR – Use this group of switches to select the operating frequency. (see operations section for instructions on how to select a frequency)
11. BATTERY COMPARTMENT – Insert AA batteries here.
12. DC INPUT JACK – Connect power adapter (DC 10V 200mA).
13. TR ¼" OUTPUT – Connect ¼" audio cable to this jack.
14. SQUELCH CONTROL – Use this control to increase or decrease squelch. (See operations section for more detail)



Descriptions and Functions

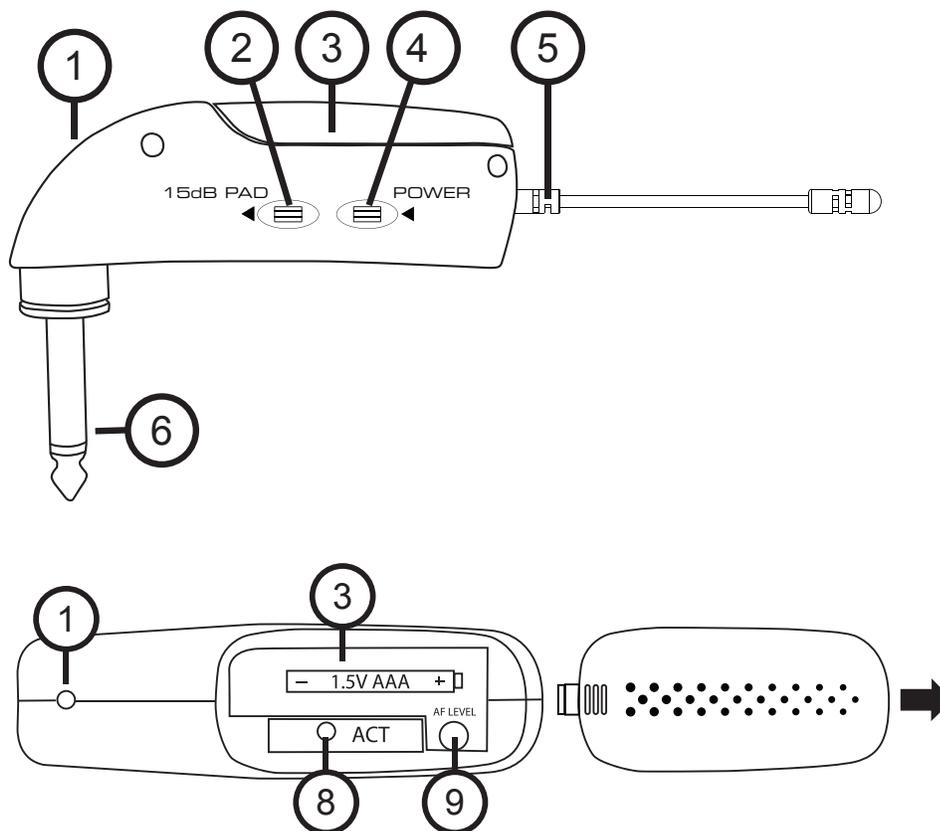


UG-3 Guitar Transmitter

This jack is angled to fit with angle type guitar jacks.

1. POWER LED – Indicates battery status. When the transmitter is turned on, the LED will flash once, and then turn off. When the LED begins to flash, the battery level is low and needs to be replaced.
2. 15dB PAD SWITCH – Use this switch to quickly reduce the output volume by 15dB.
3. BATTERY COMPARTMENT – Remove cover to insert a single AAA battery and access the IR SENSOR.
4. POWER SWITCH - Use this switch to turn the transmitter ON/OFF.
5. ANTENNA – Sends wireless signal to the receiver.
6. TR 1/4" PLUG – Plug this into your music instrument's output jack.
8. IR SENSOR – Used to sync the transmitter to the receiver. (see operations section for instructions on syncing a transmitter)
9. AF LEVEL – Use this control to increase/decrease the audio signal sent to the receiver.

Descriptions and Functions

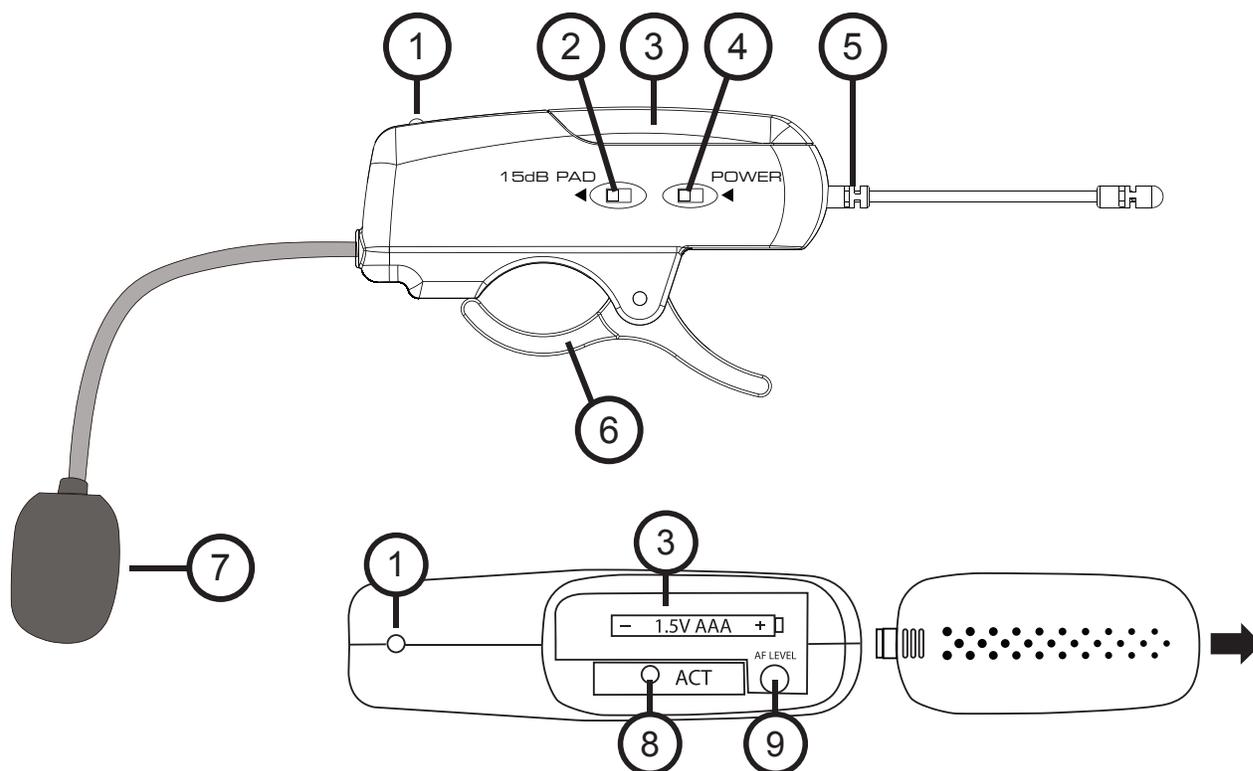


UG-9 Guitar Transmitter

This jack is angled to fit with Gibson® type guitar jacks.

1. POWER LED – Indicates battery status. When the transmitter is turned on, the LED will flash once, and then turn off. When the LED begins to flash, the battery level is low and needs to be replaced.
2. 15dB PAD SWITCH – Use this switch to quickly reduce the output volume by 15dB.
3. BATTERY COMPARTMENT – Remove cover to insert a single AAA battery and access the IR SENSOR.
4. POWER SWITCH - Use this switch to turn the transmitter ON/OFF.
5. ANTENNA – Sends wireless signal to the receiver.
6. TR 1/4" PLUG – Plug this into your music instrument's output jack.
8. IR SENSOR – Used to sync the transmitter to the receiver. (see operations section for instructions on syncing a transmitter)
9. AF LEVEL – Use this control to increase/decrease the audio signal sent to the receiver.

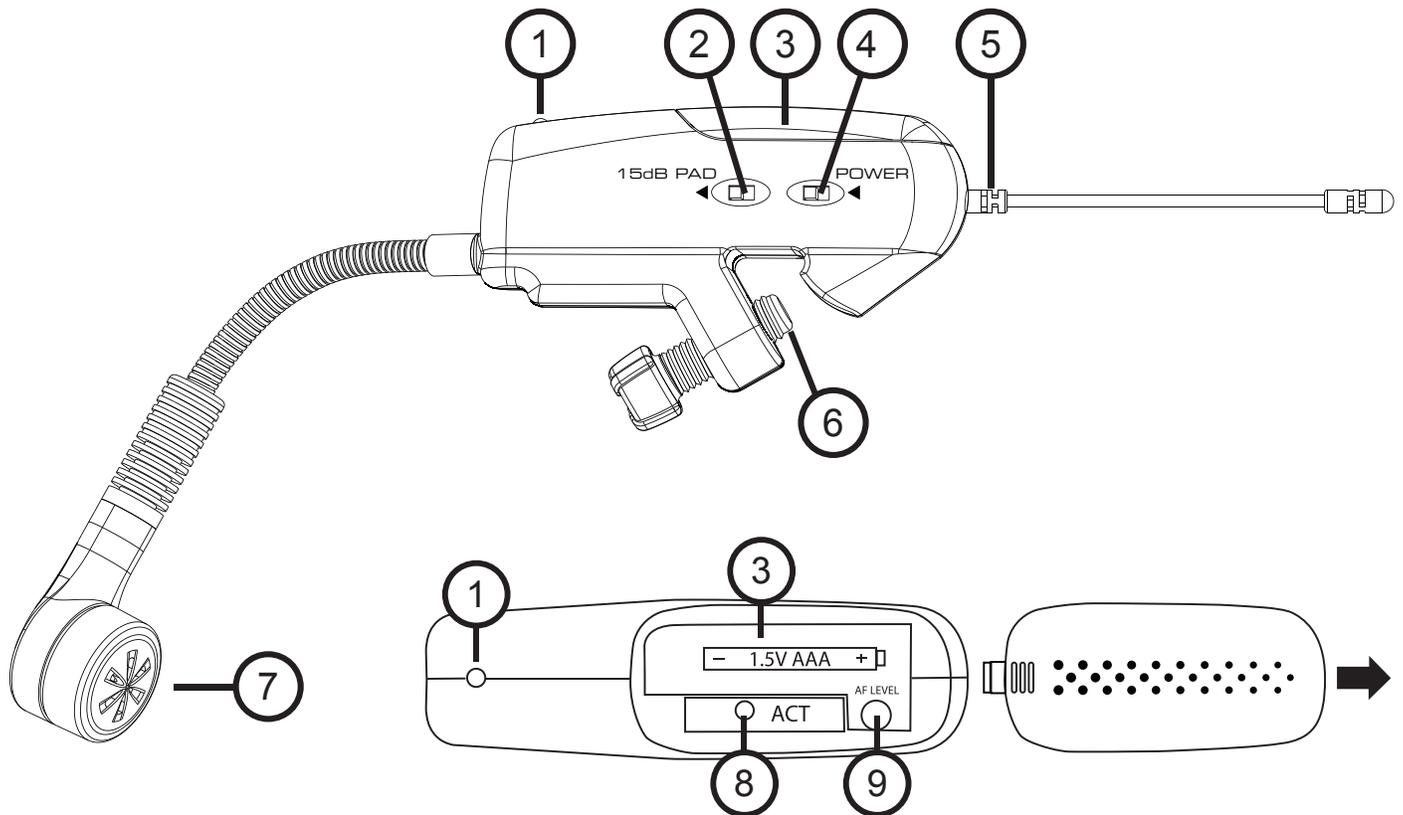
Descriptions and Functions



UF-3 Flute Transmitter

1. POWER LED – Indicates battery status. When the transmitter is turned on, the LED will flash once, and then turn off. When the LED begins to flash, the battery level is low and needs to be replaced.
2. 15dB PAD SWITCH – Use this switch to quickly reduce the output volume by 15dB.
3. BATTERY COMPARTMENT – Remove cover to insert a single AAA battery and access the IR SENSOR.
4. POWER SWITCH - Use this switch to turn the transmitter ON/OFF.
5. ANTENNA – Sends wireless signal to the receiver.
6. INSTRUMENT GRASPER – This spring-loaded grasper holds the transmitter on your instrument.
7. MICROPHONE – Condenser type microphone cartridge.
8. IR SENSOR – Used to sync the transmitter to the receiver. (see operations section for instructions on syncing a transmitter)
9. AF LEVEL – Use this control to increase/decrease the audio signal sent to the receiver.

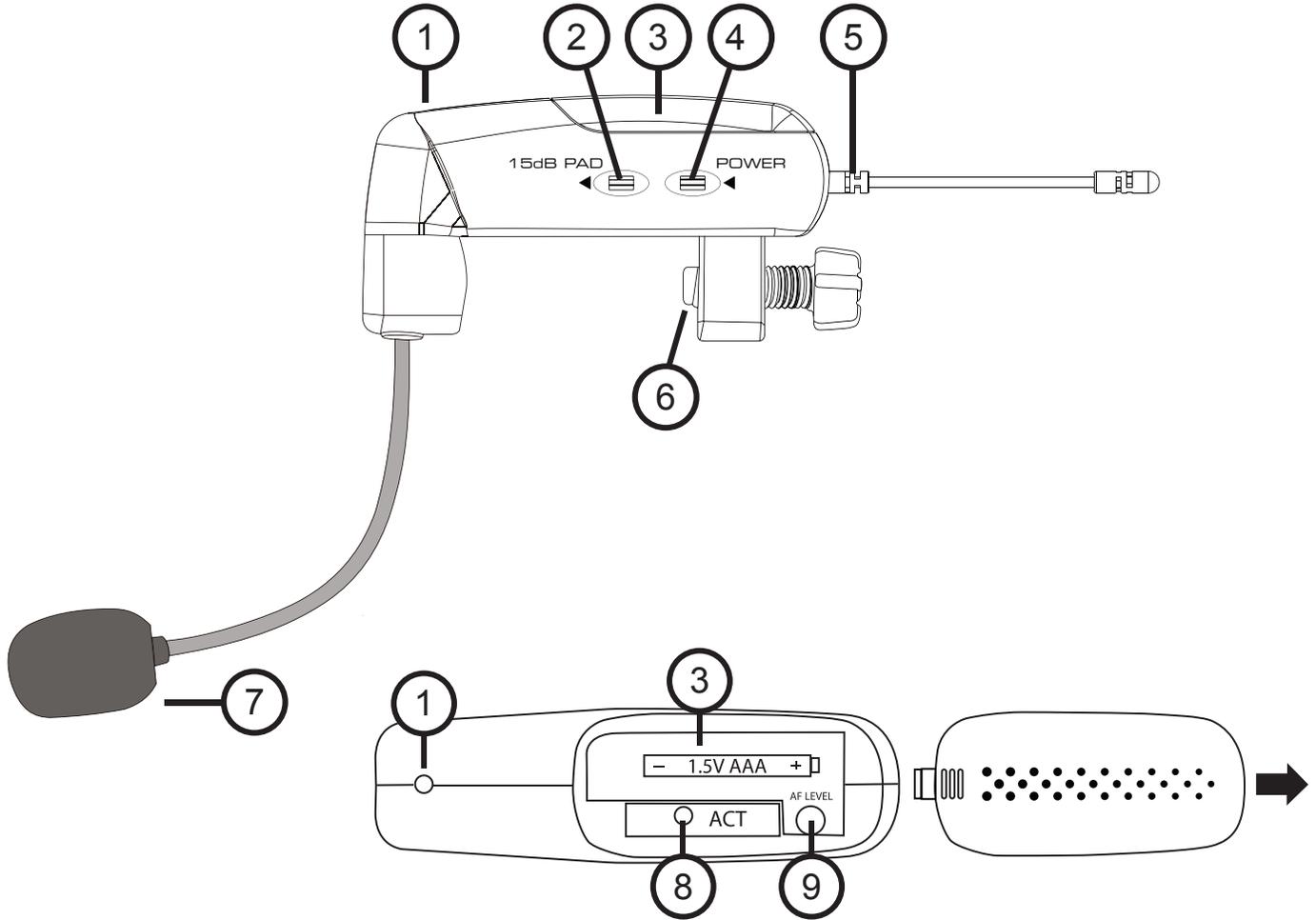
Descriptions and Functions



US-3 Saxophone Transmitter

1. POWER LED – Indicates battery status. When the transmitter is turned on, the LED will flash once, and then turn off. When the LED begins to flash, the battery level is low and needs to be replaced.
2. 15dB PAD SWITCH – Use this switch to quickly reduce the output volume by 15dB.
3. BATTERY COMPARTMENT – Remove cover to insert a single AAA battery and access the IR SENSOR.
4. POWER SWITCH - Use this switch to turn the transmitter ON/OFF.
5. ANTENNA – Sends wireless signal to the receiver.
6. INSTRUMENT GRASPER – This screw grasper holds the transmitter on your instrument.
7. MICROPHONE – Condenser type microphone cartridge.
8. IR SENSOR – Used to sync the transmitter to the receiver. (see operations section for instructions on syncing a transmitter)
9. AF LEVEL – Use this control to increase/decrease the audio signal sent to the receiver.

Descriptions and Functions



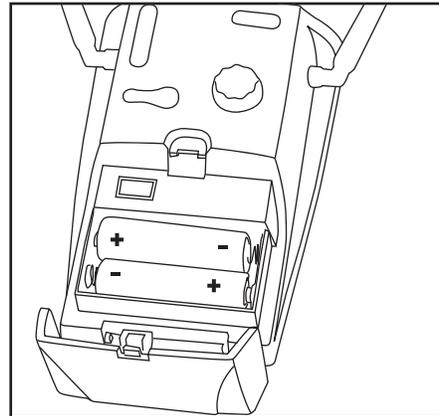
UV-3 Violin Transmitter

1. POWER LED – Indicates battery status. When the transmitter is turned on, the LED will flash once, and then turn off. When the LED begins to flash, the battery level is low and needs to be replaced.
2. 15dB PAD SWITCH – Use this switch to quickly reduce the output volume by 15dB.
3. BATTERY COMPARTMENT – Remove cover to insert a single AAA battery and access the IR SENSOR.
4. POWER SWITCH - Use this switch to turn the transmitter ON/OFF.
5. ANTENNA – Sends wireless signal to the receiver.
6. INSTRUMENT GRASPER – This screw grasper holds the transmitter on your instrument.
7. MICROPHONE – Condenser type microphone cartridge.
8. IR SENSOR – Used to sync the transmitter to the receiver. (see operations section for instructions on syncing a transmitter)
9. AF LEVEL – Use this control to increase/decrease the audio signal sent to the receiver.

Operations

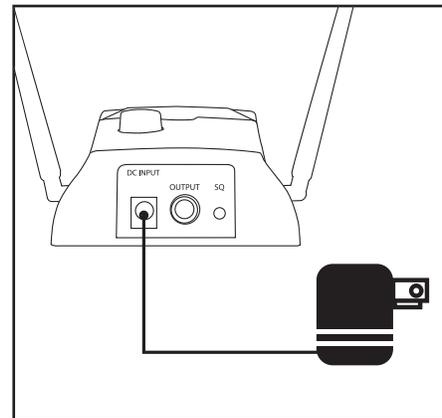
Powering on the receiver

1. Install batteries
Open battery cover and install 2 AA batteries, ensuring proper polarity.
NOTE: Compatible batteries include alkaline, NiMH, and Li-ion.
Rechargeable batteries can be used, however, performance will vary.



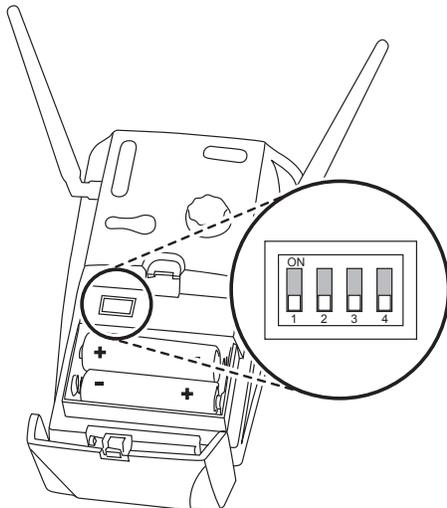
or

2. Connect DC power adapter
Connect the DC power adapter to the DC input jack on the receiver, and to an AC power receptacle.
NOTE: DC power connection disables battery power. The power adapter will NOT charge batteries installed in the unit.
3. Turn on the receiver using the power switch. The power LED will light red to indicate power.



Selecting on operation frequency (channel)

1. Open the battery compartment to access the channel selector switch group
2. Each channel (1-16) has a specific switch combination. Select the channel by setting the individual switches to the desired channel's switch combination.



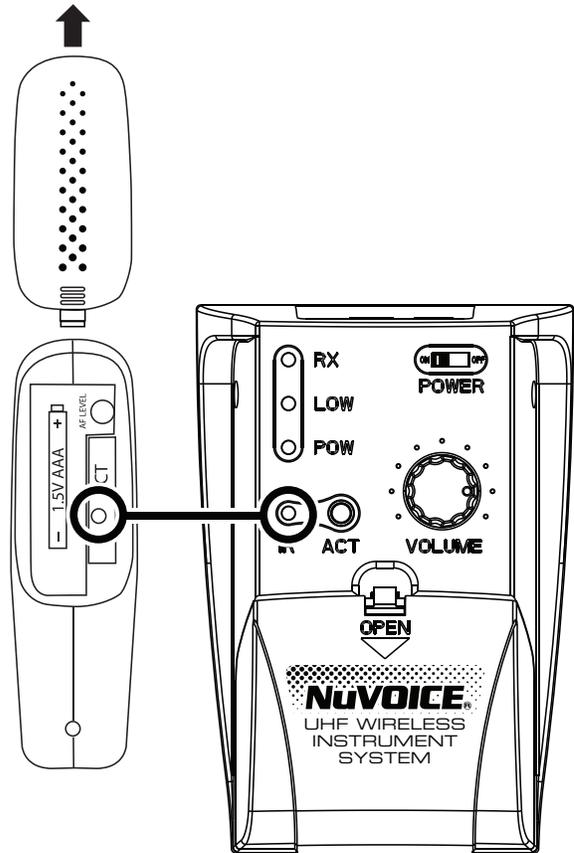
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3		905.4	11		916.0
4		906.7	12		917.9
5		907.8	13		919.7
6		909.8	14		920.0
7		910.8	15		921.1
8		911.2	16		923.7

Operations

Syncing a transmitter with the receiver

Have the receiver ready with the battery compartment lid open.

1. Open the battery compartment lid on the transmitter.
2. Position the transmitter 2 inches from the receiver so that the two IR LEDs are in line with each other.
3. Press the IR SYNC button on the receiver.
4. Confirm the sync was successful by checking the ANTENNA LINK (RX) LED. Once the LED illuminates, the transmitter is ready.



Applying squelch

The squelch control is used to mute unwanted noise interference from a wireless channel. However, as squelch increases, operating range decreases. Therefore, only use squelch when necessary (unavoidable interference), and use it minimally.

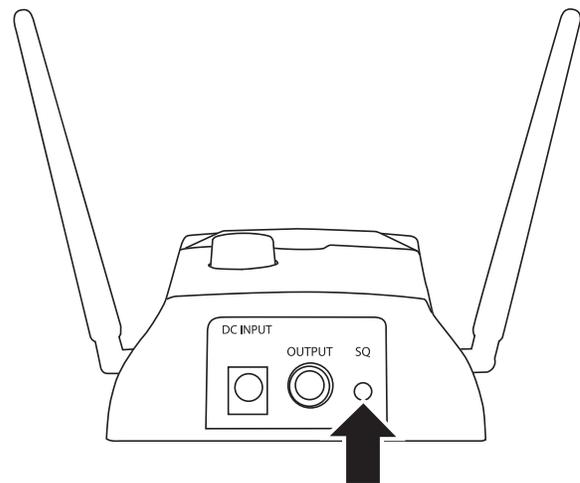
You will need a small flathead screwdriver to adjust the squelch control.

1. To increase squelch, turn clockwise
2. To decrease squelch turn counter-clockwise

Using multiple systems together

You can use up to 4 U-Series wireless systems simultaneously. When setting up multiple systems, ensure each system is operating on a different channel.

For best performance, it is recommended to place the receivers at least 5 feet from each other.



Troubleshooting

No power to the receiver

- Ensure batteries are installed correctly (facing the correct direction)
- Insert new or completely charged batteries
- Check the DC power adapter

No power to the transmitter

- Ensure batteries are installed correctly (facing the correct direction)
- Insert new or completely charged batteries

No sound from the system

- Check the 1/4" cable, replace if necessary
- Check external equipment and connections
- Re-sync the transmitter with the receiver
- Choose a different frequency using the frequency switches under the receiver battery cover

Noises (interference) in the audio output

- Increase the squelch using the squelch control on the rear of the receiver
- Elevate the receiver and position so a line of site is maintained with the transmitter
- Change the operating frequency using the frequency switches under the receiver battery cover

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