

The Shure logo, featuring the word "SHURE" in a bold, italicized, black sans-serif font, set against a white rectangular background with a black border.

ADXR

Professional Wireless Bodypack Receiver

Print user guide for ADXR.
Version: 0.3 (2024-F)

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GLOBAL COMPLIANCE CERTIFICATION

ADXR

Professional Wireless Bodypack Receiver

Important Note

The complete Regulatory Notices for this product are available online. For complete Regulatory Information for your product, please check the soft copy of the product user guide at <https://www.shure.com/docs>.

Explanation of Symbols

	This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.
	This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Important Safety Instructions

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.
7. DO NOT block any ventilation openings. Allow sufficient distances for adequate ventilation and install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as open flames, radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not place any open flame sources on the product.
9. DO NOT defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. USE only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. UNPLUG this apparatus during lightning storms or when unused for long periods of time.
14. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. DO NOT expose the apparatus to dripping and splashing. DO NOT put objects filled with liquids, such as vases, on the apparatus.
16. The MAINS plug or an appliance coupler shall remain readily operable.
17. The airborne noise of the Apparatus does not exceed 70dB (A).
18. Apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.
19. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
20. Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.
21. Operate this product within its specified operating temperature range.
22. Follow local regulations and consult qualified personnel if the product installation or relocation requires construction work. Choose mounting hardware and an installation location that can support the weight of the product. Avoid locations subject to constant vibration. Use the required tools to install the product properly. Inspect the product periodically.

WARNING:

- Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel. The safety certifications do not apply when the operating voltage is changed from the factory setting.
- If water or other foreign objects enter the inside of the device, fire or electric shock may result.

Important Safety Information

Safety Information for Batteries

1. Battery packs may explode or release toxic materials. Risk of fire or burns. Do not open, crush, modify, disassemble, heat above 140°F (60°C), or incinerate.
2. Follow instructions from manufacturer
3. Only use Shure charger to recharge Shure rechargeable batteries

WARNING:

Danger of explosion if battery incorrectly replaced. Replace only with same or equivalent type.

Do not dispose of the battery along with household waste. Check with local vendor for proper disposal of used battery packs.

4. Never put batteries in mouth. If swallowed, contact your physician or local poison control center
5. In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
6. Do not short circuit; may cause burns or catch fire
7. Do not charge or use battery packs other than Shure rechargeable batteries
8. Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like
9. Do not immerse the battery in liquid such as water, beverages, or other fluids.
10. Do not attach or insert battery with polarity reversed.
11. Keep away from small children.
12. Do not use abnormal batteries.

13. Pack the battery securely for transport.

Note: Use only with the included power supply, batteries, or a Shure-approved equivalent.

Storing Batteries

If batteries are to be stored for more than eight days, they should be placed into a temperature controlled storage area. Recommended battery storage temperature is 10 to 25°C (50 to 77°F).

Additional battery storage information is available at shure.com/battery-storage.



Important Safety Instructions for Listening and IEM Products

1. If water or other foreign objects enter the inside of the device, fire or electric shock may result.
2. Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.
3. Do not use when a failure to hear your surroundings could be dangerous, such as while driving, or when biking, walking, or jogging where traffic is present and accidents could occur.
4. Keep this product and its accessories out of reach of children. Handling or use by children may pose a risk of death or serious injury. Contains small parts and cords that may pose risk of choking or strangulation.
5. Prior to inserting the earphone, always recheck the sleeve to make sure it is firmly attached to the nozzle to decrease the risk of sleeves detaching from the nozzle and becoming lodged in your ear. If a sleeve becomes lodged in your ear, seek professional medical assistance to remove the sleeve.
6. Stop using the earphones/headphones and consult a medical professional if you experience irritation, excessive wax buildup, or other discomfort.

CAUTION

- Never disassemble or modify the device, as failures may result.
- Do not subject to extreme force and do not pull on the cable or failures may result.
- Keep the earphone dry and avoid exposure to extreme temperatures and humidity.
- If you are currently receiving ear treatment, consult your physician before using this device.

WARNING:

Use, clean, and maintain earphones according to manufacturer's instructions



High sound pressure

Hearing damage risk

To prevent possible hearing damage, do not listen at high volume levels for long periods.

WARNING FOR IN-EAR-MONITORS (IEM product_ONLY)

This device is able to produce sound volume higher than 85 dB SPL. Please check your maximum allowed continuous noise exposure level based on your national employment protection requirements.

WARNING:

LISTENING TO AUDIO AT EXCESSIVE VOLUMES CAN CAUSE PERMANENT HEARING DAMAGE. USE AS LOW A VOLUME AS POSSIBLE. Over exposure to excessive sound levels can damage your ears resulting in permanent noise-induced hearing loss (NIHL). Please use the following guidelines established by the Occupational Safety Health Administration (OSHA) on maximum time exposure to sound pressure levels before hearing damage occurs.

90 dB SPL at 8 hours	95 dB SPL at 4 hours	100 dB SPL at 2 hours	105 dB SPL at 1 hour
110 dB SPL at ½ hour	115 dB SPL at 15 minutes	120 dB SPL Avoid or damage may occur	

ADXR Portable Wireless Receiver

Axient Digital PSM portable wireless receivers provide pristine RF signal and audio quality, ideally suited for the demands of professional touring and live sound applications.

- Durable, moisture resistant, slim, lightweight design
- Ultem® PEI construction for heat resistance and durability
- Advanced headphone jack protects against sweat and moisture ingress
- Steel SMA antenna connections for added durability
- External contacts for docked charging
- Diversity ShowLink-enabled for remote receiver control and automatic interference avoidance

Full Guide Online

Visit www.shure.com for information, resources, and the full version of the product guide.

What's in the Box

- ADXR Digital PSM Portable Receiver
- Antenna (×2)
- SB910 Shure rechargeable batteries (×2)
- Zippered vinyl bag (black)

ADXR Bodypack Receiver Overview

① RF Antenna

For RF signal transmission.

② OLED Display

View menu screens and settings. Press any control button to activate the backlight.

③ Control Buttons

Use to navigate through parameter menus and to change settings.

④ Battery Compartment

Requires Shure SB910 rechargeable battery.

⑤ Battery Door

Latching door to secure battery.

⑥ Infrared (IR) Port

Align with the receiver IR port during an IR Sync for automated transmitter tuning and setup.

⑦ Battery Charging Contacts

Charging contacts for use with docking battery chargers.

⑧ SMA Connector

Connection point for RF antenna.

⑨ Volume Control

Adjust the headphone volume.

⑩ RF LED

Blue LED indicates RF connection.

⑪ Battery LED

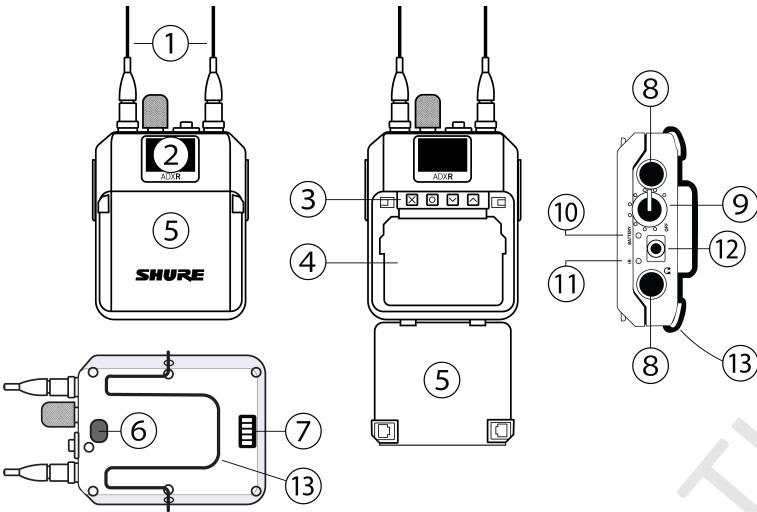
- Green = unit is powered on
- Red = low battery, Mute Mode enabled, input overload, or battery error (see Troubleshooting)

⑫ Headphone Input Jack

IPX3-compliant 1/8" input with locking thread and headphone detection.

⑬ Belt Clip

Removable belt clip, reversible for inverted orientation.

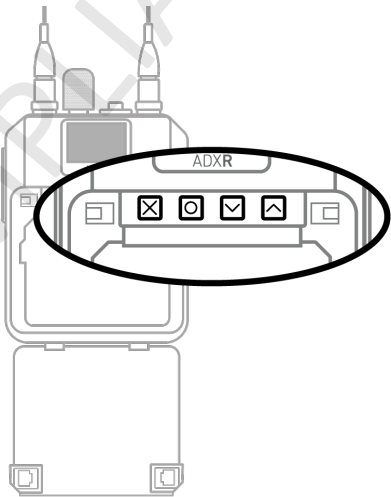


Installing Bodypack Antennas

Hand-tighten antennas until secure. Do not use tools.

Receiver Controls

Open the battery door to access the control buttons. Use the controls to navigate through parameter menus and change values.



Control	Description
X	Acts as a 'back' button to return to previous menus or parameters without confirming a value change
O	Enters menu screens and confirms parameter changes
VA	Use to scroll through menu screens and to change parameter values

Tip: Use the following shortcuts for quick setup:

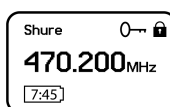
- Hold the **Λ** button while powering on to lock or unlock the transmitter.
- Hold the **X** button while powering on to enter the safe start menu.

Home Screen Display

The home screen shows transmitter information and status.

There are four pieces of information that you can choose to see on the home screen. Use the arrow buttons to select one of the following choices:

- Name
- Frequency Setting
- Group (G) and Channel (C)
- Device ID



The following icons indicate transmitter settings:

Icon	Setting
	Battery runtime in hours and minutes or bar display
	Key: Displayed when encryption is enabled
	Lock: Displayed when controls are locked. Icon will flash if access is attempted to a locked control (power or menu).
	ShowLink signal strength displays 0 to 5 bars
STD	STD: Standard Transmission Mode
HD	HD: High Density Transmission Mode
	RF Mute Engaged: Displayed when RF output is muted

Shure Rechargeable Batteries

Shure lithium-ion batteries offer a rechargeable option for powering the transmitters. Batteries quickly charge to 50% capacity in one hour and reach full charge within three hours.

Single chargers and multiple bay chargers are available to recharge the Shure batteries.

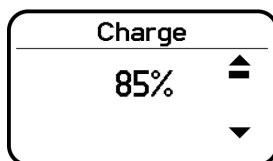
Caution: Only charge Shure rechargeable batteries with a Shure battery charger.

Checking Battery Info

When using a Shure rechargeable battery, the receiver and transmitter home screens display the number of hours and minutes remaining.

Detailed information for the battery is displayed Battery menu of the transmitter: **Utilities > Battery**

- **Battery:** The chemistry type of for the installed battery (Shure, Alkaline, Lithium, NiMH)
- **Bars:** Indicates the number of bars displayed
- **Time:** Battery runtime
- **Charge:** Percentage of charge capacity
- **Health:** Percentage of current battery health
- **Cycle Count:** Total of the number of charging cycles for the installed battery
- **Temperature:** Battery temperature reported in Celsius and Fahrenheit



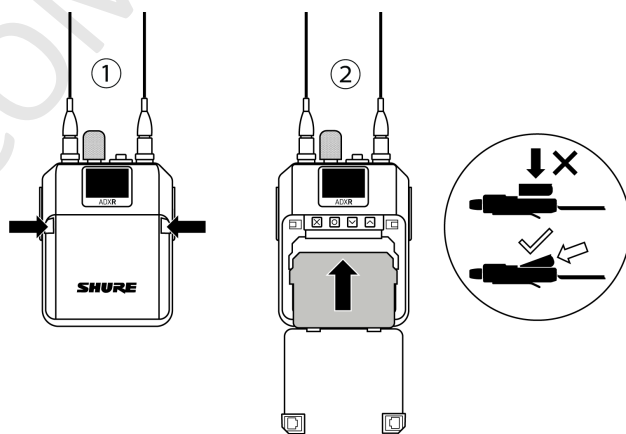
Important Tips for Care and Storage of Shure Rechargeable Batteries

Proper care and storage of Shure batteries results in reliable performance and ensures a long lifetime.

- Always store batteries and transmitters at room temperature
- Ideally, batteries should be charged to approximately 40% of capacity for long-term storage
- Regularly clean the battery contacts (at least every 6 months) with an electrical contact cleaner designed for gold contacts and safe on plastics
- During storage, check batteries every 6 months and recharge to 40% of capacity as needed

For additional rechargeable battery information, visit www.shure.com.

Battery Installation



① Accessing the Battery Compartment

Press the door latches and open the battery door.

② Inserting the Battery

Insert the battery, contracts first into the battery compartment. Press down on the tab to fully seat the battery, and then close the battery door.

Tip: To remove the battery, pull up on the tab on the bottom of the battery.

ADXR SB910 Battery Runtime

Note: Higher RF power levels decrease battery runtime. Battery runtime varies with battery age and environmental conditions.

2 mW	10 mW	40 mW
11.0 to 12.0 hours	9.0 to 11.0 hours	6.5 to 8.5 hours

Note: A Battery Hot warning indicates that transmitter battery needs to cool off. Otherwise, the transmitter will shut down. Let the device cool down and then consider swapping the transmitter battery to continue operation.

Identify any possible external heat sources to the transmitter and operate the transmitter away from those external heat sources.

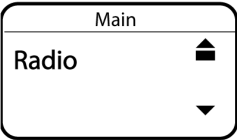
All batteries should be stored and operated away from external heat sources in reasonable temperature conditions for best performance.

Menu Parameters

The Main menu organizes the available transmitter parameters into three sub-menus:

- Radio
- Audio
- Utilities

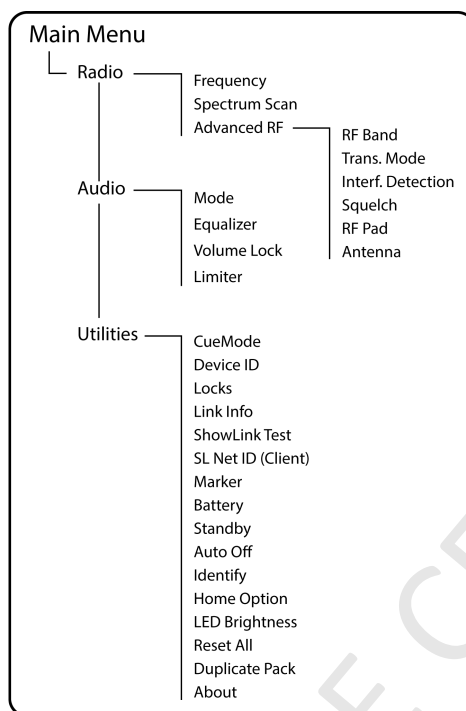
Tip: Use the arrow buttons to scroll between the sub-menus.



Tips for Editing Menu Parameters

- To access the menu options from the home screen, press O . Use the arrow buttons to access additional menus and parameters.
- A menu parameter will blink when editing is enabled
- To increase, decrease or change a parameter, use the arrow buttons
- To save a menu change, press O
- To exit a menu without saving a change, press X

Menu Map



Menu Parameter Descriptions

Radio Menu

Frequency

Press the O button to enable editing of a group (G:) channel (C:) or frequency (MHz). Use the arrow buttons to adjust the values. To edit the frequency, press the O button once to edit the first 3 digits, or twice to edit the second 3 digits.

Spectrum Scan

Performs spectrum scan and displays open frequencies in a graphical interface.

- **Scan Now:** Perform a new spectrum scan
- **Recall:** Display the results of a previously-saved scan (if available)

Advanced RF

Displays advanced RF menu options.

- **RF Band:** Change the operating band

Available frequencies will change, devices may be unlinked

- **Trans. Mode:** Change between available digital (D) and analog (FM) operating modes

Devices will be unlinked and reboot

- **Interf. Detection:** Turn automatic interference detection On or Off (digital operating modes only)

- **Squelch:** Adjusts the squelch setting (FM operating mode only)
- **RF Pad:** Attenuates antenna signals in 3 dB increments
- **Antenna:** Selection for single- or dual-antenna operation

Audio Menu

Mode

Audio output mode (Stereo, Left, Right)

Equalizer

The parametric equalizer is divided into four frequency bands: LOW, LOW MID, HIGH MID, and HIGH.

- **EQ:** Turn the equalizer on or off
- **Edit:** Adjust the following parameters for each band:
Freq: Select the center frequency of the band to boost/cut
Q: Adjust the width and slope of the frequency band (measured in octaves)
GAIN: Adjustable in 2 dB increments from -6 dB (cut) to +6 dB (boost)

Note: HIGH and LOW are shelf filters, and therefore do not have adjustable Q widths. The HIGH shelf is fixed at 10 kHz; the LOW shelf is fixed at 100 Hz.

- **Reset EQ:** Resets EQ to default values

Volume Lock

The volume is locked to the physical position of the volume knob.

Limiter

Set a value (OFF to -48 dB, adjustable in 3 dB increments) to attenuate the highest possible volume level. Turning the volume knob through its entire range of motion still affects volume; the limit simply narrows the range of dB adjustment.

Note: The volume limit does not compress the audio signal

Utilities Menu

CueMode

Enters CueMode and confirms whether device is currently linked.

Device ID

Assign a device ID of up to 31 characters.

Locks

Locks the transmitter controls and power switch.

- **None:** The controls are unlocked
- **Power:** The power switch is locked
- **Menu:** The menu parameters are locked (does not affect volume)
- **All:** The power switch and menu parameters are locked

Link Info

Displays the following information about the link between a transmitter and receiver:

- **Not Linked:** The transmitter is not linked to a receiver
- **Linked:** The transmitter is linked to a receiver. Select Unlink? to free the transmitter from the receiver link.

ShowLink Test

ShowLink test tool to measure the boundaries of ShowLink coverage.

SL Net ID (Client)

Display and configure the ShowLink Network Client ID

Marker

When enabled, press the enter button to drop a marker in Wireless Workbench.

Battery

Displays battery information:

- **Battery Life:** Runtime reported in bar display and time (hours:minutes)
- **Health:** Percentage of current battery health
- **Cycle Count:** Total of the number of charging cycles for the installed battery
- **Temperature:** Battery temperature reported in Celsius and Fahrenheit
- **Voltage:** Operating voltage, rounded to 3 decimal places
- **Type:** Alkaline, NiMH, Lithium

Standby

Turns the Audio and RF to standby without powering down the device.

Auto Off

Set the Auto Off timer

Identify

When enabled, Identify flashes the transmitter icon in Wireless Workbench Inventory or Monitor tabs.

Home Option

Determine what information displays on the Home screen:

- Name = channel name
- Freq = operating frequency
- G/C = Group and Channel numbers

LED Brightness

Set the brightness for Power/Battery Status and RF Status LEDs

Note: Does not affect screen brightness

Reset All

Restores all transmitter parameters to factory settings.

Duplicate Pack

Copies settings from one bodypack to another via IR sync.

About

Displays information about the transmitter.

System Set Up

Creating Audio Channels

A wireless audio channel is formed when a receiver and transmitter are tuned to the same frequency. To minimize interference, Shure wireless systems organize RF bands into predefined **groups** and **channels**. A group is a set of compatible frequencies within a frequency band. A single frequency within a group is a channel. Tune a receiver and transmitter to the best available channel within its group to set up your system.

Use a frequency scan to analyze the RF environment for interference and identify available frequencies. There are three types of scan:

- **Spectrum Scan:** Scan the full RF spectrum for potential sources of interference. From the bodypack menu, select RADIO > SPECTRUM SCAN. Press RUN SCAN to initiate a full scan. Press SPECTRUM to view full results in a graphical display.
- **Channel Scan:** Find the best available groups and channels in your RF environment. [After deploying spectrum scan data](#), initiate a channel scan from the [ADX transmitter](#).
- **Group Scan:** Finds the group with the greatest number of available channels. (Each group contains a set of frequencies that are compatible when operating multiple systems in the same environment.) [After deploying spectrum scan data](#), initiate a group scan from the [ADX transmitter](#).

Note: When performing a frequency scan:

- **Turn off** the RF on the transmitters for the systems you are setting up. (This prevents them from interfering with the frequency scan.)
- **Turn on** potential sources of interference such as other wireless systems or devices, computers, CD players, large LED panels, effects processors, and digital rack equipment so they are operating as they would be during the presentation or performance (so the scan will detect and avoid any interference they generate).

Spectrum Scan

Use this feature to scan the full RF spectrum for potential sources of interference and deploy open frequencies to all receivers on the network. A graphical representation of the scan data may be viewed on both the transmitter and receiver. This allows you to scroll through the graph to reveal details about the frequency and strength of the interfering signals.

Scanning and Deploying Frequencies

1. Turn off RF on all receivers.
2. **Collect the scan data.** From the bodypack receiver MAIN MENU, select RADIO > SPECTRUM SCAN > RUN SCAN

The receiver displays SPECTRUM SCAN and scans the full spectrum.

3. **Load the scan data from the bodypack receiver to the rack transmitter.** Align the IR windows and press Sync > Spectrum > SyncScan

The receiver displays the scan data as a graph and gives options for viewing and deploying.

Viewing Spectrum Data

From the Bodypack Receiver

MAIN MENU > RADIO > FULL SCAN > SPECTRUM

- Adjust the cursor position using the ▼ ▲ keys.
- Press enter to zoom in at the cursor position. Press exit to zoom out.
- Press scan to display frequency and power of signal at the cursor position.

From the Rack Transmitter

Sync > Spectrum

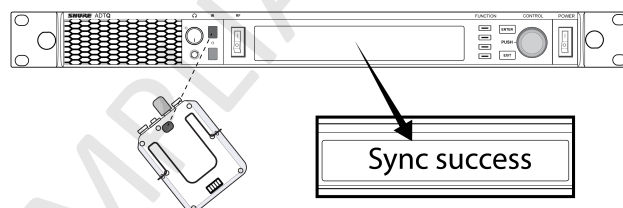
- Adjust the cursor position by pressing Cursor and using the control wheel.
- Frequency and power of signal at the cursor position is displayed at the top of the screen.
- Press Zoom and use the control wheel to zoom in and out.

IR Sync

Use IR Sync to form an audio channel between the transmitter and receiver.

Note: The receiver band must match the band of the transmitter.

1. Initiate a Spectrum Scan from the ADXR bodypack receiver.
2. On the transmitter, enter any channel menu and select Spectrum Scan > Sync Scan from ADXR.
3. Align the IR windows between the transmitter and the receiver so that the IR LED illuminates. When complete, Sync Success appears on the transmitter.
4. The transmitter and receiver are now tuned to the same frequency.



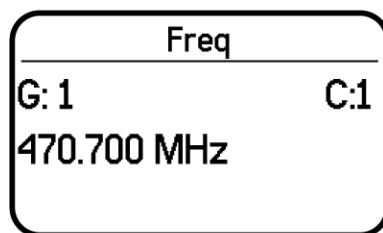
Note:

Any change to the encryption status on the receiver (enabling/disabling encryption) requires a sync to send the settings to the transmitter. New encryption keys for the transmitter and receiver channel are generated on every IR sync, so to request a new key for a transmitter, perform an IR sync with the desired receiver channel.

Setting the Frequency Manually

The transmitter can be manually tuned to a specific group, channel, or frequency.

1. Navigate to the Radio menu and select Freq.
2. Scroll to select G: and C: to edit the group and channel, or select the frequency parameter (MHz). When editing the frequency, press O once to edit the first 3 digits, or twice to edit the last 3 digits.
3. Use the ▲▼ buttons to adjust the group, channel, or frequency.
4. Press O to save, and then press X when finished.



Multiple System Setup

When setting up multiple systems, designate a single bodypack to scan for available frequencies and download them to all the rack units.

The bodypack must be from the same frequency band as all the transmitters.

1. Power on all the rack units. **Turn off the RF.** (This prevents them from interfering with the frequency scan.)

Note: Turn **on** all other wireless or digital devices as they would be during the performance or presentation (so the scan will detect and avoid any interference they generate).

2. Use the bodypack to **scan for a group** by pressing and holding the scan button for **two seconds**. The bodypack displays the group and the number of available channels, and flashes SYNC NOW....

Important: Note the number of available channels. If you have more rack units than available channels, eliminate potential sources of interference and try again, or call Shure Applications for assistance.

3. Sync the bodypack with the first rack unit by aligning the IR windows and pressing sync.
4. Press scan again on the bodypack to find the next available frequency.
5. Sync the bodypack with the next rack unit.
6. Repeat with all the rack units.
7. Sync each performer's bodypack to its respective rack unit by aligning the IR windows and pressing sync. DO NOT press scan on the bodypacks.
8. Turn on the RF on all rack units. The systems are ready to use.

ShowLink Remote Control

A ShowLink network allows you to remotely adjust settings for portable devices. For devices with ShowLink, you can update gain, change frequency assignments, and turn RF mute on or off in real time, without ever leaving the control booth.

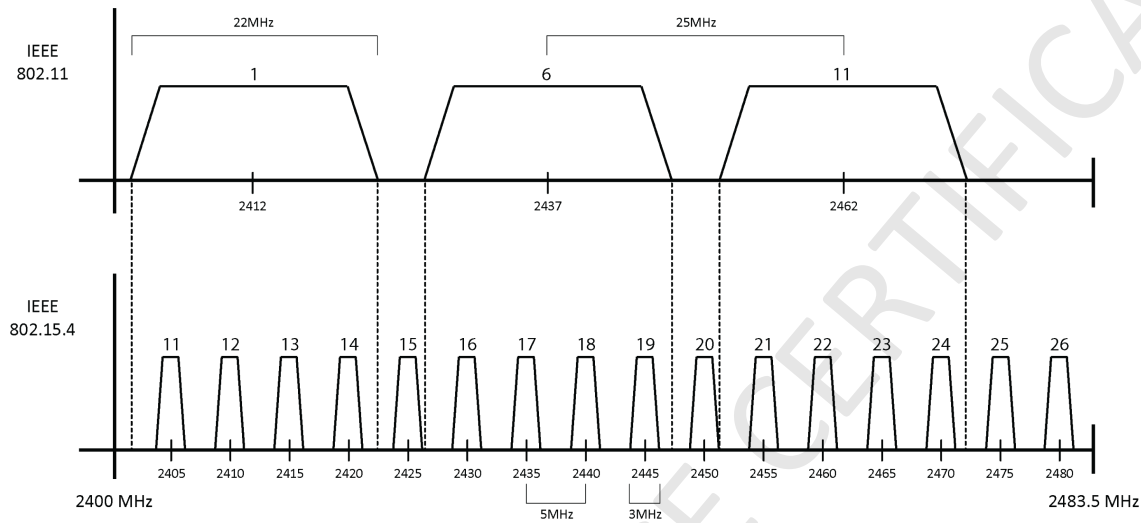
What is ShowLink?

ShowLink is a network that carries wireless signals that enable remote control of certain Shure wireless transmitters and receivers. Quick reference:

- ShowLink operates in the 2.5 GHz portion of RF spectrum
- ShowLink transmits parameter data such as RF frequency data, gain settings, and device naming. ShowLink does not transmit audio
- To use ShowLink, you need a ShowLink access point and ShowLink-enabled wireless devices
- Establish a ShowLink network via IR sync
- Map the boundaries of a ShowLink coverage area using ShowLink test in the receiver menu
- Any loss of ShowLink control will not affect the audio signal in any way
- You don't need to use a ShowLink network in order to connect a transmitter and receiver; ShowLink is only for making real-time changes to device settings

How ShowLink Works

ShowLink channels operate in the 2.40 to 2.484 GHz portion of the RF spectrum in accordance with the IEEE 802.15.4 protocol. Devices that share the 2.4 GHz spectrum, including Wi-Fi, are manufactured to efficiently share the spectrum and cause minimal interference. Both ShowLink and Wi-Fi use "listen before talk" technology to transmit short message packets only when needed to conserve bandwidth. Available spectrum, low interference, and global availability make the 2.4 GHz spectrum an ideal choice for hosting ShowLink channels.



Channel Agility to Avoid Interference

To ensure reliable communication, the access point contains an internal scanning radio that analyzes the 2.4 GHz spectrum hundreds of times per second. If the scanning radio detects interference, the access point automatically switches to a clear channel. This is sometimes referred to as "channel agility." All transmitters associated with the access point will continue to communicate uninterrupted on the new ShowLink channel.

ShowLink Test

The ShowLink Test is a tool to find the boundaries of the ShowLink coverage area. When the ShowLink test is activated, a five-bar display indicating the link quality is shown on the screen. As the bodypack moves away from the access point, the number of bars will decrease. ShowLink control is maintained as long as 1 bar is displayed.

If the bodypack is beyond the coverage range, ShowLink control will not be possible. However, the audio signal will not be affected or interrupted as long as the bodypack is within range of the RF signal.

To improve coverage, adjust the location of your access points or place additional access points to extend coverage.

To activate the ShowLink Test:

1. From the Utilities menu, navigate to SL Test.
2. Press the O button to start the test and walk the bodypack around the coverage area. Monitor the number of bars displayed and the state of the ShowLink icon. Coverage boundaries are indicated by 0 bars displayed or the ShowLink icon is empty.
3. Press the X button to exit the ShowLink test.

Tip: During a ShowLink test, press O (enter) to drop a marker in Wireless Workbench.

Create a ShowLink Network

Connect a ShowLink access point to your transmitter's network using a Cat 5e Ethernet cable. See the [AD610 user guide](#) for specifications, menu paths, and other information about the AD610 access point.

When a link has been formed, the ShowLink icon  appears next to the channel name on the transmitter screen to indicate the connection.

The ShowLink icon  also appears on the display of a linked transmitter and receiver to indicate that the bodypack is within range of an access point. If a device is beyond the range of the access point, or if the transmitter is offline, the icon will disappear, indicating a loss of ShowLink control.

ShowLink Network Host ID

Both linked and unlinked ADXR receivers can connect to AD610 ShowLink access points when each device is set to the same ShowLink Network Host ID. This allows remote management of unlinked ADXR receivers, without requiring an IR sync between receiver and transmitter.

Update your AD610 to the latest firmware and download the latest version of Wireless Workbench before connecting your ADXR to the network. Set the 4-character network host ID on your AD610, then enter the same network host ID on your ADXR under **Utilities > SL Network ID Client**.

To quickly enter the network host ID on multiple ADXR receivers, you can enter the network host ID on the ADTQ/ADTD transmitter and transfer to bodypacks via IR:

- On the transmitter, go to **Device Config > RX ShowLink Network ID Update**.
- Enter the 4-character network ID, and push the control knob to confirm.
- Select **Tx > Transfer** and push Enter.
- Align the IR window on the ADXR with the window on the transmitter until Success appears.

Note: Only the ShowLink Network Host ID info is transferred to the ADXR receiver. No other data or program changes are sent during IR sync initiated from the transmitter menu.

CueMode

CueMode allows you to upload the name and frequency settings from multiple rack units and store them as a list on a single bodypack. You can then, at any time, scroll through that list to hear the audio mix from each transmitter, just as each performer does during a show.

CueMode lists are retained even if CueMode is exited, the bodypack is turned off, or batteries are removed.

Note: Set the channel frequency and assign display names for each transmitter **before** creating your CueMode list.

Adding Transmitters to the CueMode List

Note: The transmitter must be from the same frequency band as the bodypack.

1. Open the battery door and press the enter button.
2. From the main menu, scroll to **UTILITIES** and press enter. Select **CueMode** and press enter again.
3. Align IR windows and press sync on the rack unit.

The OLED displays **SYNC SUCCESS** after frequency and name data are uploaded to the CueMode list. It also displays the CueMode number for that transmitter and the total number of transmitters.

4. Repeat the above step for each transmitter.

Note: Syncing while in CueMode does not change any of the settings on the bodypack.

Auditioning Mixes

1. Enter CueMode from the UTILITIES menu.
2. Use the ▼ ▲ buttons to scroll through your CueMode list to hear the mixes.

Exiting CueMode

Exit CueMode by pressing enter and selecting EXIT CUEMODE.

Managing CueMode Mixes

While in Cue Mode, you can access the following menu by pressing enter:

REPLACE MIX

Select and press sync on a rack unit to upload new data for the current mix (for example, if you have changed the transmitter frequency).

DELETE MIX

Removes the selected mix.

DELETE ALL

Removes all mixes.

EXIT CUEMODE

Exits CueMode and returns the bodypack to the previous frequency setting.

Squelch

Squelch mutes audio output from the bodypack when the RF signal become noisy. While squelch is activated, the blue LED on the bodypack turns off.

For most installations, squelch does not need adjustment, and it keeps the performer from hearing hiss or noise bursts if the RF signal becomes compromised. However, in congested RF environments or in close proximity to sources of RF interference (such as large LED video panels), the squelch may need to be lowered to prevent excessive audio dropouts. With lower squelch settings, the performer may hear more noise or hiss, but will experience fewer audio dropouts.

Important: Before lowering squelch, first try to eliminate the problem by finding the best set of frequencies for your installation and removing potential sources of interference.

Caution: Turning off or lowering the squelch setting can increase the noise level and cause discomfort to the performer:

- Do not lower the squelch setting unless absolutely necessary.
- Turn earphone volume to the lowest setting before adjusting squelch.
- Do not change the squelch setting during a performance.
- Turn up the transmitter level setting to make noise or hiss less noticeable.

Squelch Settings

HIGH (NORMAL)		Default factory setting.
MID		Moderately decreases the signal-to-noise ratio required to squelch the receiver.
LOW		Greatly decreases the noise squelch threshold.
PILOT ONLY*	⊗	Turns off noise squelch leaving only pilot squelch on.

NO SQUELCH*	⊗	Turns off noise and pilot tone squelch. (Sometimes used as a debugging tool by monitor engineers or RF coordinators to "listen" to the RF environment.)
* Symbol appears in display window.		

Locking the Interface

Lock transmitter interface controls to prevent accidental or unauthorized changes to parameters. The lock icon appears on the home screen when the interface lock is enabled.

- From the Utilities menu, navigate to Locks and select one of the following lock options:
 - None: The controls are unlocked
 - Power: The power switch is locked
 - Menu: The menu parameters are locked
 - All: The power switch and menu parameters are locked
- Press O to save.

Tip: To quickly unlock a transmitter: Press O twice, select None, and press O.

Firmware Updates

Firmware is embedded software in each component that controls functionality. Periodically, new versions of firmware are developed to incorporate additional features and enhancements. To take advantage of design improvements, new versions of the firmware can be uploaded and installed using the Shure Update Utility (SUU). Download the SUU from https://www.shure.com/en-US/products/software/shure_update_utility.

Perform the following steps to update the firmware:

CAUTION! Ensure the device has a stable network connection during the update. Do not turn off the device until the update is complete.

- Connect the device and computer to the same network (set to the same subnet).
- Open the SUU application.
- Click the Updates button at the top of the window to open the Download Manager.

Note: This button will be labeled either "Check for updates..." or "[#] updates available"

- From the Download Manager, select the desired firmware versions.

Tip: The dropdown in the upper right allows you to quickly Select: All or Select: None.

Note: After updating, you may need to clear your browser's cache to display updates to the device's web application.

- Click Download, and then Close the Download Manager. Downloaded firmware is listed and can be viewed and managed in the Firmware tab.
- From the Update Devices tab, select the new firmware and press Send Updates to begin the firmware update, which overwrites the existing firmware on the device.

Firmware Versions and Compatibility

The firmware of all Shure devices has the form of MAJOR.MINOR.PATCH.BUILD (e.g., 1.2.14.0). To ensure interoperability, all components from the same model family (including transmitters) should be updated to the same MAJOR and MINOR firmware version numbers (e.g., 1.2.x.x).

Troubleshooting

Issue	See Solution...
No sound	Power, Cables, Radio Frequency, or Encryption Mismatch
Faint sound or distortion	Gain, Cables
Lack of range, unwanted noise bursts, or dropouts	Radio Frequency (RF)
Cannot turn transmitter off or change frequency settings, or can't program receiver	Interface Locks
Encryption Mismatch message	Encryption Mismatch
Firmware Mismatch message	Firmware Mismatch
Transmitter Battery Hot message	Tx Battery Hot
Antenna Fault Red LED	RF
Handheld transmitter shuts down during use	Clean Battery Contacts

Power

Make sure that the receiver and transmitter are receiving sufficient voltage. Check the battery indicators and replace the transmitter batteries if necessary.

Gain

Adjust the system gain on the front of the receiver. Ensure the output level on the back of the receiver corresponds to the mic/line input setting of the mixing console, amplifier, or DSP.

Cables

Check that all cables and connectors are working correctly.

Interface Locks

The transmitter and the receiver can be locked to prevent accidental or unauthorized changes. A locked feature or button will produce the Locked screen on the LCD panel or the lock icon will flash on a transmitter.

Encryption Mismatch

Re-sync all receivers and transmitters after enabling or disabling encryption.

Firmware Mismatch

Paired transmitters and receivers must have the same firmware version installed to ensure consistent operation. See Firmware topic for firmware update procedure.

Tx Battery Hot

If the transmitter battery does not cool off, the transmitter will shut down. Let the device cool down and then consider swapping the transmitter battery to continue operation.

Identify any possible external heat sources to the transmitter and operate the transmitter away from those external heat sources.

All batteries should be stored and operated away from external heat sources in reasonable temperature conditions for best performance.

Radio Frequency (RF)

RF LEDs

If neither blue RF Diversity LED is illuminated, then the receiver is not detecting the presence of a transmitter.

The orange RF Signal Strength LEDs indicate the amount of RF power being received. This signal could be from the transmitter, **or it could be from an interfering source, such as a television broadcast.** If more than two of the orange RF LEDs are still illuminated while the transmitter is off, then that channel may be experiencing interference, and you should try a different channel.

The red RF LED indicates RF overload. Overloads have the potential to cause interference in multiple system installations. If you are experiencing an overload, turn off the receiver to see if it is causing interference with other components.

The numerical channel select button also turns red to indicate interference.

- Dim red = Channel is not selected, experiencing interference
- Bright red = Channel is selected, experiencing interference

Compatibility

- Perform a Scan and Sync to ensure the transmitter and receiver are set to the same group and channel.
- Look at the band label on the transmitter and make sure the receiver is set to the same band.

Reducing Interference

- Perform a group or channel scan to find the best open frequency. Perform a sync to transfer the setting to the transmitter.
- For multiple systems, check that all systems are set to channels in the same group (systems in different bands do not need to be set to the same group).
- Maintain a line of sight between transmitter and receiver antennas.
- Move or point receiver antennas away from metal objects or other sources of RF interference (such as LED walls, computers, digital effects, network switches, network cables and Personal Stereo Monitor (PSM) wireless systems).
- Eliminate RF overload (see below).

Increasing Range

If the transmitter is more than 6 to 60 m (20 to 200 ft) from the receiver antenna, you may be able to increase range by doing one of the following:

- Reduce interference (see above).
- Increase transmitter RF power level.
- Use Normal mode instead of High Density mode.
- Use an active directional antenna, antenna distribution system, or other antenna accessory to increase RF range.

Eliminating RF Overload

If you see the red RF LED on a receiver, try the following:

- Reduce the transmitter RF power level
- Move the transmitter further away from the receiver—at least 6 m (20 ft)
- If you are using active antennas, reduce antenna or amplifier gain.
- Use omnidirectional antennas

Antenna Faults

The Antenna Fault red LED indicates a short circuit condition or excessive load at an antenna port.

- Check antennas and cables for damage
- Ensure that antenna ports are not overloaded
- Check antenna bias voltage setting. Turn off voltage if using passive antennas.

Clean Battery Contacts

Clean the battery contacts with an electrical contact cleaner designed for gold contacts and safe on plastics.

Contact Customer Support

Didn't find what you need? [Contact our customer support](#) to get help.

Specifications

Input Power

2 W (maximum)

Power Supply

3.6 V DC (nominal), 4.2 V DC (maximum)

Battery Type

Shure SB910 Rechargeable Li-Ion, or ×3 AAA batteries via SB913 battery sled

Operating Temperature Range

-18°C (0°F) to 45°C (113°F)

Note: Battery characteristics may limit this range.

RF Output

Antenna Type

$\frac{1}{4}$ wave

Varies by hardware variant

Connector Type

SMA

ShowLink

Network Type

IEEE 802.15.4

Antenna Type

Zigbee Dual Conformal

Frequency Range

2.40 to 2.4835 GHz (24 Channels)

RF Output Power

10 dBm (ERP)

varies by region

Receiver Frequency Bands

ADXR	Band	Frequency Range (MHz)
A (470 to 636 MHz)	G53	470 to 510
	G54	479 to 565
	G55†	470 to 636*
	G56	470 to 636
	G57	470 to 608
	G62	510 to 530
	G63	487 to 636
	H54	520 to 636
B (606 to 810 MHz)	K54	606 to 663**
	K55	606 to 694
	K56	606 to 714
	K58	622 to 698
	L60	630.125 to 697.875
	P55	694 to 703, 748 to 758, 803 to 806
C (925 to 960 MHz)	X51	925 to 937.5
	X55	941 to 960
D (960 to 1164 MHz)	X57	960 to 1164
E (1240 to 1260 MHz)	Z16††	1240 to 1260

*With a gap between 608 to 614 MHz.

**With a gap between 608 to 614 MHz and a gap between 616 to 653 MHz.

†Operation mode varies according to region. In Brazil, High Density mode is used. The maximum power level for Peru is 10mW.

††Z16 for Japan only

K55 606-694 MHz

Country Code	Frequency Range
Code de Pays	Gamme de frequences
Codice di paese	Gamme di frequenza
Código de país	Gama de frecuencias
Länder-Kürzel	Frequenzbereich
A, B, BG, CH, CY, CZ, D, DK, EST, F	*
FIN, GB, GR, H, HR, I, IRL, IS, L, LT	*
M, N, NL, P, PL, RO, S, SK, SLO, TR	*
all other countries	*

* This equipment may be capable of operating on some frequencies not authorized in your region. See [Licensing Information](#).

G56 470-636 MHz

Country Code	Frequency Range
Code de Pays	Gamme de frequences
Codice di paese	Gamme di frequenza
Código de país	Gama de frecuencias
Länder-Kürzel	Frequenzbereich
A, B, BG, CH, CY, CZ, D, DK, EST, F	*
FIN, GB, GR, H, HR, I, IRL, IS, L, LT	*
M, N, NL, P, PL, RO, S, SK, SLO, TR	*
all other countries	*

* This equipment may be capable of operating on some frequencies not authorized in your region. See [Licensing Information](#).

K57 606-790 MHz

Country Code	Frequency Range
Code de Pays	Gamme de frequences
Codice di paese	Gamme di frequenza
Código de país	Gama de frecuencias
Länder-Kürzel	Frequenzbereich
A, B, BG, CH, CY, CZ, D, DK, EST, F	*
FIN, GB, GR, H, HR, I, IRL, IS, L, LT	*
M, N, NL, P, PL, RO, S, SK, SLO, TR	*
all other countries	*

* This equipment may be capable of operating on some frequencies not authorized in your region. See [Licensing Information](#).

No user-operated control of power, frequency, or other parameters are available beyond those specified in this operating manual.

Please follow your regional recycling scheme for batteries, packaging, and electronic waste.

Important Product Regulatory Information

EMC conformance testing is based on the use of supplied and recommended cable types. The use of other cable types may degrade EMC performance.

Introduction to EMC

Electromagnetic Interference (EMI) is any signal or emission, radiated in free space or conducted along power or signal leads, that endangers the functioning of radio navigation or other safety service or seriously degrades, obstructs, or repeatedly interrupts a licensed radio communications service. Radio communications services include but are not limited to AM/FM commercial broadcast, television, cellular services, radar, air-traffic control, pager, and Personal Communication Services (PCS). These licensed radio services, and unlicensed radio services, such as WLAN, ZIGBEE or Bluetooth, along with unintentional radiators such as digital devices contribute to the electromagnetic environment.

Electromagnetic Compatibility (EMC) is the ability of items of electronic equipment to function properly together in the electronic environment. While this equipment has been designed and determined to be compliant with regulatory agency limits for EMI, there is no guarantee that interference will not occur in a particular installation.

Shure products are designed, tested, and classified for their intended electromagnetic environment. These electromagnetic environment classifications generally refer to the following harmonized definitions:

- Class B products are intended for use in residential/domestic environments but may also be used in non-residential/non-domestic environments.

Note: The residential/domestic environment is an environment where the use of broadcast radio and television receivers may be expected within a distance of 10 m from where this product is used.

- Class A products are intended for use in non-residential/non-domestic environments. Class A products may also be utilized in residential/domestic environments but may cause interference and require the user to take adequate corrective measures.

Regulatory Information for Class B EMC Products

CE Notice

Hereby, Shure Incorporated declares that this product with CE Marking has been determined to be in compliance with European Union requirements.

The full text of the EU declaration of conformity is available at the following site: <https://www.shure.com/en-EU/support/declarations-of-conformity>.

UKCA Notice

Hereby, Shure Incorporated declares that this product with UKCA Marking has been determined to be in compliance with UK-CA requirements.

The full text of the UK declaration of conformity is available at the following site: <https://www.shure.com/en-GB/support/declarations-of-conformity>.

UK Cybersecurity

UK SI 2023 NO. 1007 STATEMENT OF COMPLIANCE

Product Type: Relevant connectable products as defined by The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023.

Manufacturer Statement: We, Shure Incorporated, certify and declare as manufacturer under our sole responsibility, that the above mentioned product(s) conform(s) to Schedule 2 of the essential requirements of the listed applicable United Kingdom Statutory Instruments (including their amendments) and the associated norms.

Information on how to report security issues: The latest version of Shure's Disclosure policy can be found at the following link: <https://www.shure.com/en-GB/about-us/security>

Security update periods: Shure provides support regarding hardware and software updates that continue the integral cyber security safety of Shure products up to 24 months after end of life (AEOL). For the full statement regarding Shure's product support policy, and information regarding products end of life status information can be found at the following link: <https://www.shure.com/en-GB/about-us/security>

Manufacturer:

Shure Incorporated 5800 Touhy Avenue
Niles, Illinois, 60714-4608 U.S.A.
Website: www.Shure.com.

Technical documentation is kept at:

Shure Incorporated, Corporate Global Compliance Engineering Division

UK Importer/Representative:

Shure UK Limited
Unit 2, The 10 Centre, Lea Road, Waltham Abbey, Essex, EN9 1AS, U.K.
Phone: +44 (0)1992 - 703058
Email: EMEAsupport@shure.de

On behalf of Manufacturer:

Chad Ayers

01 February 2024 Niles, Illinois

Senior Director, Global Compliance

FCC Notice

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 when the equipment is operated 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 with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the antenna of the radio/television receiver.
- Increase the separation between this equipment and the radio/television receiver.
- Plug the equipment into a different outlet so that the equipment and the radio/television receiver are on different power mains branch circuits.
- Consult a representative of Shure or an experienced radio/television technician for additional suggestions.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Notice: The FCC regulations provide that changes or modifications not expressly approved by Shure Incorporated could void your authority to operate this equipment.

For information regarding responsible party and other matters relating to FCC compliance, please contact Shure Incorporated, 5800 W. Touhy Avenue, Niles, Illinois 60714-4608 U.S.A. [shure.com/contact](https://www.shure.com/contact)

Canada, ISED Notice

Notice: The Industry Canada regulations provide that changes or modifications not expressly approved by Shure Inc. could void your authority to operate this equipment.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Regulatory Information for Wireless Products

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada (IC) Notices

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with ISSED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISSED établies pour un environnement non contrôlé. L'utilisateur final doit suivre les instructions spécifiques pour satisfaire les normes. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

Additional Canadian information on RF exposure also can be found at the following Web address: <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html>

ANATEL Notice

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL – <http://www.anatel.gov.br>.

IFETEL Notice

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

KCC Notice

해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음

NBTC Notice

เครื่องโทรคมนาคมและอุปกรณ์นี้มีความสอดคล้องตามมาตรฐานหรือข้อกำหนดทางเทคนิคของ กสทช.

NCC Notice

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission.

NCC Notice

低功率射頻器材技術規範

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

614MHz-703MHz: 使用頻段供其他通訊業務使用時，器材應即停止使用

SRRC Notice

- (一) 本产品符合“微功率短距离无线电发射设备目录和技术要求”的具体条款和使用场景；
- (二) 不得擅自改变使用场景或使用条件、扩大发射频率范围、加大发射功率（包括额外加装射频功率放大器），不得擅自更改发射天线；
- (三) 不得对其他合法的无线电台（站）产生有害干扰，也不得提出免受有害干扰保护；

- (四) 应当承受辐射射频能量的工业、科学及医疗 (ISM) 应用设备的干扰或其他合法的无线电台 (站) 干扰；
- (五) 如对其他合法的无线电台 (站) 产生有害干扰时，应立即停止使用，并采取措施消除干扰后方可继续使用；
- (六) 在航空器内和依据法律法规、国家有关规定、标准划设的射电天文台、气象雷达站、卫星地球站 (含测控、测距、接收、导航站) 等军民用无线电台 (站)、机场等的电磁环境保护区域内使用微功率设备，应当遵守电磁环境保护及相关行业主管部门的规定。

Regulatory Information for Wireless Products Utilizing TV Frequency Bands

EU/UK Non-Harmonized Frequency Information



Country Code	Frequency Range
Code de Pays	Gamme de frequences
Codice di paese	Gamme di frequenza
Código de país	Gama de frecuencias
Länder-Kürzel	Frequenzbereich
A, B, BG, CH, CY, CZ, D, EST, F, GB, GR, H, I, IS, L, LT, NL, P, PL, S, SK, SLO, DK, FIN, M, N, HR, E, IRL, LV, RO, TR	xxx - xxx MHz*
UK	xxx - xxx MHz*
all other countries	*

* This equipment may be capable of operating on some frequencies not authorized in your region. See [Licensing Information](#).

Canada Warning for Wireless

This device operates on a no-protection, no-interference basis. Should the user seek to obtain protection from other radio services operating in the same TV bands, a radio licence is required. For further details, consult Innovation, Science and Economic Development Canada's document Client Procedures Circular CPC-2-1-28, Voluntary Licensing of Licence-Exempt Low-Power Radio Apparatus in the TV Bands.

Ce dispositif fonctionne selon un régime de non-brouillage et de non-protection. Si l'utilisateur devait chercher à obtenir une certaine protection contre d'autres services radio fonctionnant dans les mêmes bandes de télévision, une licence radio serait requise. Pour en savoir plus, veuillez consulter la Circulaire des procédures concernant les clients CPC.2.1.28, Délivrance de licences sur une base volontaire pour les appareils radio de faible puissance exempts de licence et exploités dans les bandes de télévision d'Innovation, Sciences et Développement économique Canada.

ACMA Notice

WARNING: This device operates under an ACMA class license and must comply with all conditions of that license including operating frequencies.

Regulatory Information for Wireless ZIGBEE Devices

MIC Notice

運用に際しての注意

この機器の使用周波数帯では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）並びにアマチュア無線局（免許を要する無線局）が運用されています。

1. この機器を使用する前に、近くで移動体識別用の構内無線局及び特定小電力無線局並びにアマチュア無線局が運用されていないことを確認して下さい。
2. 万一、この機器から移動体識別用の構内無線局に対して有害な電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか又は電波の発射を停止した上、下記連絡先にご連絡頂き、混信回避のための処置等（例えば、パーティションの設置など）についてご相談して下さい。
3. その他、この機器から移動体識別用の特定小電力無線局あるいはアマチュア無線局に対して有害な電波干渉の事例が発生した場合など何かお困りのことが起きたときは、保証書に記載の販売代理店または購入店へお問い合わせください。代理店および販売店情報は Shure 日本語ウェブサイト <http://www.shure.co.jp> でもご覧いただけます。

現品表示記号について

2.4DS4

現品表示記号は、以下のことを表しています。この無線機器は 2.4GHz 帯の電波を使用し、変調方式は「DS」方式、想定干渉距離は 40m です。2,400MHz ~ 2,483.5MHz の全帯域を使用し、移動体識別装置の帯域を回避することはできません。

Environmental Regulatory Information

Waste Electrical and Electronic Equipment (WEEE) Directive



In the European Union and the United Kingdom, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

Registration, Evaluation, Authorization of Chemicals (REACH) Directive

REACH (Registration, Evaluation, Authorization of Chemicals) is the European Union (EU) and the United Kingdom (UK) chemical substances regulatory framework. Information on substances of very high concern contained in Shure products in a concentration above 0.1% weight over weight (w/w) is available upon request.

Recycling Information

Please consider the environment, electric products and packaging are part of regional recycling schemes and do not belong to regular household waste.

中国 RoHS

部件名称	有害物质					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电路模块	X	○	○	○	○	○
金属组件	X	○	○	○	○	○
线缆及其组件	X	○	○	○	○	○
外壳	○	○	○	○	○	○
电源适配器*	X	○	○	○	○	○
电池组*	X	○	○	○	○	○
本表格依据 SJ/T11364 的规定编制。 ○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 规定的限量要求以下。 X: 表示该有害物质至少在该部件某一均质材料中的含量超出 GB/T26572 规定的限量要求。 注：本产品大部分的部件采用无害的环保材料制造，含有有害物质的部件皆因全球技术发展水平的限制而无法实现有害物质的替代。 *:表示如果包含部分						

部件名称	电池有害物质					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
线路板	○	○	○	○	○	○
线路板上电阻中陶瓷	x	○	○	○	○	○
线路板上电子元件	○	○	○	○	○	○
塑料外壳	○	○	○	○	○	○
本表格依据 SJ/T11364 的规定编制。 ○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 规定的限量要求以下。 X: 表示该有害物质至少在该部件某一均质材料中的含量超出 GB/T26572 规定的限量要求。 注：本产品大部分的部件采用无害的环保材料制造，含有有害物质的部件皆因全球技术发展水平的限制而无法实现有害物质的替代。						

Battery Regulatory Information

EU and UK Battery Directive



In the European Union and the United Kingdom, this label indicates that the batteries in this product should be collected separately and not be disposed of with household waste. Substances in batteries can have a potential negative impact on health and environment and you have a role in recycling waste batteries thus contributing to the protection, preservation, and improvement of the quality of the environment. You should contact your local authority or retailer for details of the collection and recycling schemes available.

Note: There is no mercury content in the product.

Certifications

FCC / IC ID

FCC ID: XXXXXX

IC: XXXXXX

Certification and Compliance Markings

