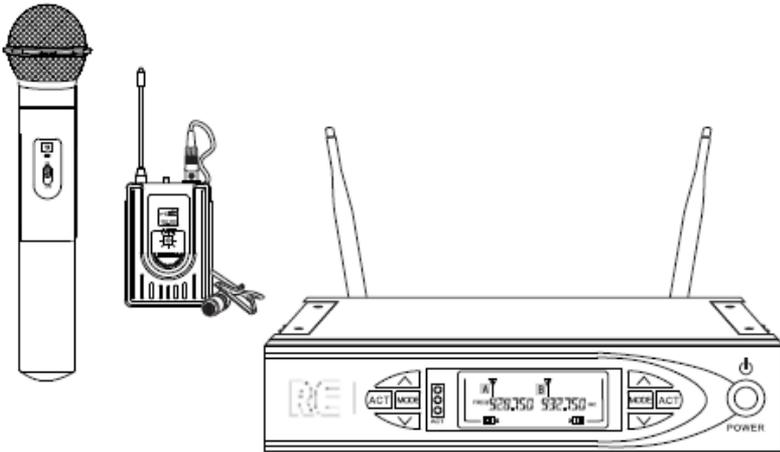


REI

200 Channel Wireless Receiver W/Automatic Infrared Pairing



www.radioeng.com
6534 L Street
Omaha, Nebraska 68117
Sales: 1-800-228-9275
Service: 1-877-726-4617

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1. Precautions

- Non-waterproof. Keep away from water or other liquids.
- Keep away from other electronics that may be using the same frequencies.
- Risk of electronic shock, do not open.
- Turn off mic when charging batteries, recycle batteries.
- Remove batteries if you will not be using the microphone for a long period of time.
- Allow for proper ventilation by keeping objects a minimum of 50cm away from the unit.
- Don't cover ventilation features.
- Stop using unit if broken or operating abnormally and call technical support.
- Warranty will be void if unit is opened by customer.

Maintenance

Remember to turn off all power before cleaning. It is recommended to use a soft cloth towel with a non-abrasive liquid solvent. Avoid using benzene, thinner or other strong abrasive chemicals/cleaning detergent as it may damage the receiver.

2. Features

- ACT circuit, searches for an unused channel automatically.
- PLL circuitry, UHF 740-860MHz, large frequency range to avoid interference.
- Adaptive filtering circuitry to avoid signal distortion.
- Boost regulator design.
- Power indicator for charging and battery life.
- Adaptive noise canceling circuitry.
- Expanded range.
- Multi-Level noise monitoring circuitry with anti-interference.
- 200 frequencies available. Recommended for Motor coach and Transit buses.
- 80-100m transmission range.

3. Technical Specifications

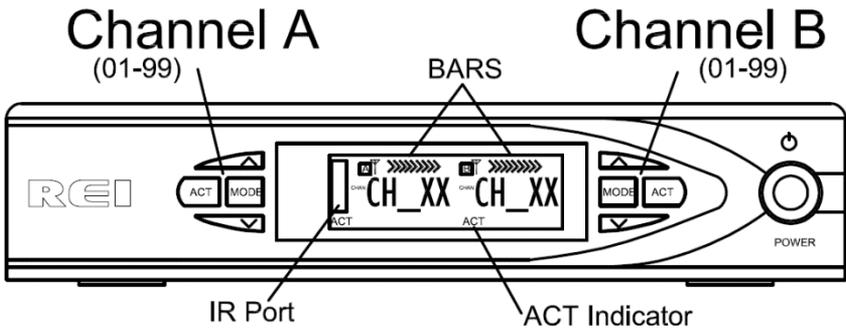
General

❖ Power Supply	8V-32V
❖ Dimensions(W X H X D)	8-1/4" x 1-3/4" x 6-3/4"(210 x 44.5 x 171.5mm)
❖ Weight	25.15 oz. (715g)
❖ Power Consumption	10 Watts
❖ Indicator	Full LCD Display
❖ Pairing	Smart infrared

Functional

❖ Receiving System	Dual 100 Channel Receivers for up to 200 devices
❖ Receiving Sensitivity	≤5dbuV (S/N≥20db)
❖ Audio Output	Mixed 0-150mV
❖ Frequency Range	UHF 630-690MHz
❖ Maximum Working Range	250Ft Line Of Site (80M)
❖ Maximum Deviation Range	+ 15KHz with ALC
❖ Operating Range	>100dB
❖ S/N Ratio	>98dB
❖ Distortion	≤0.3%
❖ Frequency Response	50Hz-1GHz + 3dB
❖ Frequency Stability	≤+/- 5ppm

4. General Product Description



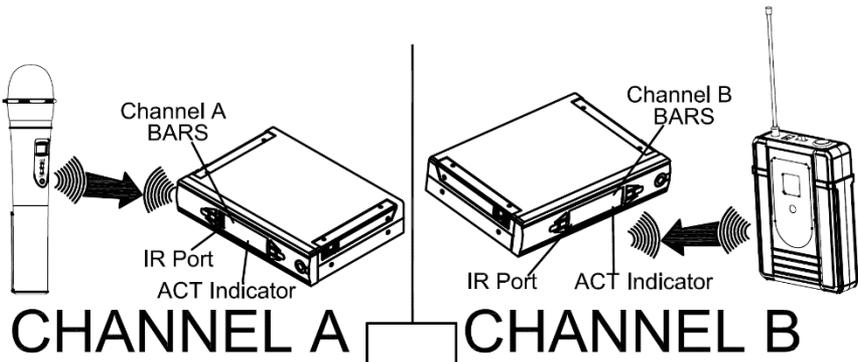
IMPORTANT:

HANDHELD MIC ALWAYS PAIRS TO CHANNEL A.

BELTPACK MIC ALWAYS PAIRS TO CHANNEL B.

To pair microphone to receiver:

- Press ACT button for appropriate channel. ACT indicator on receiver display will blink to show the receiver is searching for the device to be paired.
- Turn device on and face the IR ports towards the display on the receiver.
- When device has paired, there will be bars across the top edge of the receiver display for the appropriate channel.



5. How to connect and operate the receiver

- “POWER”: The POWER button can be used to turn the receiver on or off; note that a press and hold is needed to turn the receiver off.
- “MODE”: Press to alternate between manual and auto frequency selection. Auto mode is selected when “SCAN” is displayed on lower middle section of display:



In this mode; pressing the up or down arrows will automatically scan and select an open

Channel/frequency. In manual mode; the frequency and channel can be manually selected by the user with the up or down arrows.

- “ACT”: Auto-Channel-Targeting. Can be used to pair the wireless transmitter to the previously selected frequency. Press the ACT button; the display will flash ACT. and the IR LED will begin to blink indicating that the receiver is ready to send a signal. Turning on and pointing the transmitter toward the receiver will automatically establish a connection and pair the two devices.
- “UP^” “DOWNv””: Press either button to adjust upwards or downwards. Press and hold to auto-adjust upwards or downwards.
- Adjusting the Volume: Toggle the “MODE” button to get to volume setting, use “UP” and “DOWN” arrows to adjust the volume accordingly.
- To Lock Unit: Press and Hold the “MODE” button; display will flash either Lock or Un-locked, repeat to obtain preferred setting.

6. UHF wireless microphone

- Insert 2 x AA 1.5V rechargeable batteries inside battery compartment. **MAKE SURE THE BATTERY POLARITY IS CORRECT.**

- Turn microphone switch to ON position.
- Change switch to MUTE, receiver will cut audio output and restrain noise.

7. Transmitter Microphone LCD

- Display of current Channel and frequency
- Battery power indicator: Full (3 bars), 60% (2 bars), 40% (1 bar), and 10% (no bars).

8. Troubleshooting

Issue	What to do
No LED lights when unit is powered	Check if the cable is plugged in correctly and that proper voltage is present
No Audio output	<ul style="list-style-type: none"> • Check that microphone is paired to receiver and that signal “BARS” are active. • Check system volume settings. • Verify that microphone batteries are fully charged.
Poor signal strength	<ul style="list-style-type: none"> • Check that antennas are connected. • Possible frequency interference; pair to a different frequency.
Weak output	<ul style="list-style-type: none"> • Verify that microphone batteries are fully charged. • Check system volume settings. • Verify that another device is not on the same frequency and interfering; adjust frequency as needed.

9. Warranty Info

REI LIMITED WARRANTY

What Does This Warranty Cover?

This warranty only covers failures due to defects in materials or workmanship which occur during normal use.

What Does This Warranty Not Cover?

This warranty does not cover damage which occurs in shipment or failures which are caused by products not supplied by REI or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustment, improper maintenance, alteration, improper antenna, inadequate signal pick-up, maladjustment of consumer controls, modification, line power surge, or damage that is attributable to acts of God, or service by anyone other than a REI Factory Service Center. This warranty does not include service or labor charges connected with the determination or replacement of defective parts or the operation of this equipment. REI is not responsible for any labor charges incurred by any person or company other than REI authorized repair centers.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

REI SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING WITHOUT LIMITATION, DAMAGES TO TAPES OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH BELOW. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

What is the Period of Coverage?

REI will repair this product, free of charge, from the date of original purchase in the event of a defect in materials or workmanship as follows:

For ninety (90) days - microphones, speakers, antennas, housings, rechargeable batteries, remanufactured product and all non-warranty repairs (replaced parts and labor only).

For one (1) year - all other manufactured products.

For two (2) years - select manufactured motorcoach products.

For three (3) years - select BUS-WATCH® products purchased after April 1, 2009.

REI may have contractual agreements which provide REI motorcoach and BUS-WATCH® products with additional coverage. Call 877-726-4617 for details.

Any product supplied by REI, but not manufactured by REI, will include the original manufacturer's warranty only.

What Will REI Do to Correct Problems?

Once the product is deemed by REI to be a warrantable defect, REI will, at its own discretion, repair or replace the product with new or reconditioned product. All warranty repairs and/or product replacements will include the remaining warranty from the original purchase date.

How Do You Get Service?

For assistance in obtaining service for REI products call toll free 877-726-4617 (Continental United States and Canada only) or 402-339-2200 (outside Continental United States and Canada) between the hours of 7:00A.M. - 5:00P.M. CST Monday thru Friday (excluding Holidays).

Prior to calling REI, customers must have the part number, serial number, VIN number (if it's a motorcoach product) and detailed description of the problem ready to provide to the REI service representative. After providing the proper information to REI, customers will be issued a return authorization number. When the REI service representative provides the return authorization number, they will also give instructions for returning the item. Any discrepancies in following this procedure may cause shipments to be refused or warranty claims to be rejected.

IMPORTANT! REI does not accept product returns for repair or replacement without first issuing a return authorization number. All returns must be sent freight prepaid and insured by the customer. REI will not accept COD shipments.

IMPORTANT! REI does not accept responsibility for lost shipments. It is the customer's responsibility to provide REI with the part number, serial number, return authorization number and shipper tracking number in the event REI does not have record of receiving product for repair or replacement.

Once warranty service has been performed on your product, REI will ship the item freight prepaid to any business address in the Continental United States or Canada. Customers located outside the Continental United States and Canada are responsible for all freight charges. Any duties or fees, if any, are the customer's responsibility.

Any repair deemed non-warranty by REI will be subject to all freight charges, and in some cases inspection fees, to be paid by the customer. These fees may exist regardless of whether the product is repaired. If a customer requires help in trouble shooting a problem, contact REI and request technical assistance before requesting a return authorization number.

What Must You Do To Keep This Warranty in Effect?

KEEP YOUR ORIGINAL PROOF OF PURCHASE AS IT MAY BE REQUIRED IN ORDER TO RECEIVE WARRANTY SERVICE.

Make sure the serial number is not removed, altered or defaced.

Do not attempt to have your product repaired by anyone other than a REI Factory Service Center.

Also, see "What Does This Warranty Not Cover".

REI AUTHORIZED REPAIR FACILITIES:

REI
6534 L Street
Omaha, Nebraska 68117
Phone: 877-726-4617

REI
1376 Bennett Drive, Unit 126
Longwood, Florida 32750

What if your Product is a Non-Warranty Repair?

All Products sent to REI for repair which are determined, at REI's discretion, to be non-warrantable repair may incur inspection fees regardless of actual repair being performed or will incur repair fees if the product is repaired. All non-warranty repairs include a 90 day warranty for any components that are replaced, if any, and labor performed. Inspection fees apply regardless of whether a product is determined to be non-warrantable prior to shipping to REI. All freight charges, duties or fees associated with non-warranty repair are the customer's responsibility.