# UHF Wireless Microphone System

*Clean channel. Clear sound. Clever wireless.*

## RE-2 UHF Receiver

**Features:**
- One touch Auto-ClearScan
- Programmable in 25kHz steps across 28 MHz operating bandwidth
- Backlit LCD displays the Group, Channel, Frequency, transmitter battery level, diversity operation, and RF and Audio signal level meters
- Balanced XLR audio output for Microphone or Line level signals and a ¼ inch line level jack
- Fourth generation Posi-phase™ diversity and advanced audio circuits
- Unique “Guitar” setting
- Detachable ¼ wave antennas

**Benefits:**
- Finds the clearest channel in the clearest group in seconds
- 1112 possible frequencies so it will always find a clear channel
- Professional systems costing twice as much don’t provide this much information
- Compatible with any application
- Provide maximum range and professional sound quality
- Turns a standard receiver/bodypack into an optimized guitar wireless system
- Flexibility – use with optional rackmount kits, antenna distributors and cables for permanent installations

## RE-2 UHF Transmitter

**Features:**
- Unique “smart” battery
- LCD Displays Group and Channel, Frequency, or Battery Level
- Low battery LED
- One On/Off button that also acts as a mute
- On/Off button can be disabled

**Benefits:**
- Impossible to put the battery in wrong, great for quick changes on a dark stage
- All the info you need at a glance
- Tells you when to change the battery
- Great for pauses in presentations and worship services
- Prevents accidental turnoffs during a performance

## RE-2 UHF Handheld

**Features:**
- Available with three different microphone elements
- N/DYM 267a Dynamic element
- RE 410 Condenser
- NDYM® 767a Dynamic premium vocal microphone with VOB™ (Vocal-Optimized-Bass) Internal ½ wave antenna

**Benefits:**
- Fits the vocalist’s style and environment
- Classic dynamic sound and performance in applications ranging from Rock and Roll to spoken word
- Low handling noise, crisp condenser sound and off mic performance. Perfect for schools, houses of worship and any other multitasking application.
- Excellent sound and gain-before-feedback for high SPL stages
- Excellent range and it stays out of harms way

## RE-2 UHF Bodypack

**Features:**
- Cell phone style beltclip
- Optional pouches available
- A wide selection of lapel and headworn microphone accessories are available

**Benefits:**
- Offers quick and easy attachment
- For use under costumes or for more vigorous applications like aerobics
- So you can select the microphone suited to your application
## Specifications

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<tr>
<th><strong>RE-2 Receiver</strong></th>
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<tbody>
<tr>
<td><strong>Receiver Type</strong></td>
<td>Synthesized PLL</td>
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| **Frequency Range (RF)** | A Band 648 – 676 MHz (TV Channels 43 – 48)  
G Band 614 – 642 MHz (TV Channels 38 – 42)  |
| **Number of Channels** | 1112 possible channels Programmable in 25 kHz steps  |
| **Modulation** | +/- 40 kHz  |
| **Diversity** | Digital Posi-Phase ™ True Diversity  |
| **RF Sensitivity** | < 1.0 mV for 12 dB SINAD  |
| **Image Rejection** | > 60 dB  |
| **Squelch** | Tone Code plus Amplitude  |
| **Ultimate Quieting** | > 100 dB  |
| **FCC Certification** | Approved under Part 15  |
| **Power Requirements** | 12 V AC/DC 300 mA  |
| **Antennas** | Detachable 1/4 wave  |
| **Dimensions** | 1.72” H x 7.50” W x 5.9” D  
43.69 cm H x 190.50 mm W x 150 mm D  |

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<th><strong>Audio Parameters</strong></th>
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<td><strong>Frequency Response</strong></td>
<td>50 – 15 kHz +/- 2 dB</td>
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| **Balanced Output** (max @ 40 kHz deviation) | -10 dBV  
Adjustable 10 mV-2V RMS  |
| **Unbalanced Output** | Adjustable 10 mV-1V RMS  |
| **Distortion** | <1.0%, 0.5% typical (ref 1 kHz, 40 kHz deviation)  |
| **Signal-to-Noise Ratio** | >100 dB A Weighted  |
| **Dynamic Range** | >100 dB  |

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<th><strong>Transmitters, Bodypack (BPU-2) and Handheld (HTU-2)</strong></th>
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<td><strong>Radiated Output</strong></td>
<td>30 mW typical (E2 band 10mW max)</td>
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</table>
| **Microphone Head** | Electro-Voice 767a  
N/D 767a Supercardioid N/DYM Dynamic  
N/D 267a Versatile Cardioid Dynamic  
RE 410 Classic Cardioid Condenser  |
| **Standar d Lavalier Microphone** | EV RE 90Tx MicroMini ™  
Omni-Directional Condenser  |
| **Wiring** | TA4 Connector  
Pin 1: Ground; Pin 2 Mic Input;  
Pin 3: +5V bias; Pin 4: +5V bias through a 3kΩ resistor  |
| **Audio Gain Adjustment** | 40 dB (handheld 26 dB)  |
| **Power Requirements** | 9 Volt Alkaline Battery  |
| **Battery Life (Typical)** | > 8 hours with 9-Volt Alkaline Typical  |
| **Bodypack Antenna** | Flexible external 1/4 wave  |
| **Handheld Antenna** | Internal 1/2 wave  |
| **Dimensions (Handheld)** | 9.4 in. (24.0 cm) Long  |
| **Dimensions (Bodypack)** | 3.8 in. H x 2.6 in. W x 0.92 in. D  
96.5 mm H x 66 mm W x 23.4 mm D  |

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