

# RE-2 Pro

When applications like rentals, small tours, referee systems or tough environments call for a wireless microphone system with advanced features, the answer is RE-2 Pro. Bringing sophisticated professional features to an affordable price point, the RE-2 is a completely programmable, frequency-agile system with one-touch ClearScan™. The RE-2 Pro allows more systems in one location, longer range and more microphone head choices, and it offers an exceptional value in professional wireless.

## RE-2 Pro Bodypack WTU-2 BODYPACK TRANSMITTER



The WTU-2 is a compact metal bodypack for the RE-2 Pro system. Automatically compatible with the Telex RSB-2 mute switch for football applications, the WTU-2 features selectable RF output power and rechargeable AA battery operation with optional BH-200 charger.

- Cast magnesium construction
- Flat steel beltclip
- Two AA batteries with NiMH rechargeable option
- Exclusive EV guitar optimization mode
- 5 mW or 50 mW transmit power
- Compatible with RSB-2 referee mute switch
- TA4 connector for all EV mic options
- "Cellphone Proof"

## RE-2 Pro Handheld PHTU-2 HANDHELD TRANSMITTER



The PHTU-2 offers a high-impact, ABS plastic handle and interchangeable RC2 microphone heads. Available with N/D767a, PL80a, N/D967, RE410 and RE510 microphone elements, the PHTU-2 delivers the best sound for any application.

- ABS Resin body with interchangeable microphone heads
- User accessible on/off/mute switch
- Defeatable on/off switch
- 8 hour operation on one 9V battery
- Shure microphone compatibility
- PL80a and N/D967 microphones not available on HTU-2

## RE-2 Pro Receiver RE-2 PROFESSIONAL RECEIVER WITH RACKMOUNT HARDWARE



The RE-2 Pro is a completely programmable, frequency-agile wireless system with one-touch ClearScan™, Posi-Phase™ diversity and advanced audio circuits for the best possible sound. Operating over 28 MHz (six TV channels), it includes XLR mic/line level output, backlit LCD display and a unique mode that is optimized for guitar. The RE-2 Pro receiver includes all of the rack-mount hardware needed.

- Rack-mount unit with front-mount antenna cables
- One touch ClearScan™
- 28 MHz operating bandwidth, programmable in 25 kHz steps
- Backlit LCD displays the group, channel, frequency, transmitter battery level, diversity operation, and RF and audio signal level meters
- Outputs: 1/4" line-level, balanced XLR mic/line
- Posi-Phase™ diversity
- Advanced audio circuits with unique guitar setting
- Detachable 1/4-wave antennas

### CONSUMER ALERT

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: the system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device. Purchasers should also be aware that the FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change. For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at [www.fcc.gov/cgb/wirelessmicrophones](http://www.fcc.gov/cgb/wirelessmicrophones)

### Audio Parameters

Frequency Response	50–15 kHz +/- 2 dB
Balanced Output (max @ 40 kHz deviation)	-10 dBV
Mic position	Adjustable 10 mV – 2V RMS
Line position	
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

### Microphone Head Options

767a	N/D767a Supercardioid N/Dym Dynamic
967	N/D967 Versatile Supercardioid Dynamic
PL80a	PL80a Supercardioid Dynamic
RE410	RE410 Classic Cardioid Condenser
RE510	RE510 Classic Supercardioid Condenser

### RE-2 Pro Receiver

Receiver Type	Synthesized PLL
Frequency Response (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 uV 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
Antenna	Detachable 1/4-wave
Dimensions	H x W x D 1.72" x 7.5" x 5.9" (43.69 x 190.5 x 150 mm)

### Bodypack (WTU-2)

Controls	Power, menu set, up and down
Indicators	Red LED low battery indicator
Backlit LCD Display	Battery level, channel/group or frequency
Battery Life	8 hours with two AA alkaline typical
Battery Recharge	Optional BH-200 with NiMH AA
Antenna	External 1/4-wave detachable
Connector	TA4F input for microphone, Pin 1: ground, Pin 2: mic input, Pin 3: +5 Bias, Pin 4: +5V through 3k ohm
RF Output Selectable	5 mW or 50 mW typical
Case Material	Cast magnesium
Dimensions	H x W x D 3.37" x 2.6" x 0.75" (85 x 66 x 19 mm)

### Handheld (PHTU-2)

Controls	Power on/off, set, up and down
LCD Display	Battery level, channel/group or frequency
Battery Life	8 hours with 9V alkaline typical
Antenna	Internal 1/2 wave
RF Output	30 mW typical
Case Material	High-impact ABS and aluminum
Dimensions	L x D 9.75" x 2.04" (248 x 52 mm)

## BH-200



## TWO BAY BATTERY CHARGER

The BH-200 recharges Nickel Metal Hydride (NiMH) AA batteries in REV-WT and WTU-2 bodypack transmitters. 2500 mA AH batteries will last over 10 hours and recharge in 10 hours. The BH-200 helps to reduce waste and the cost of running wireless microphones all day, everyday.

- LED indicator show charging status
- Two drop-in bays for REV-WT or WTU-2 transmitters
- 10-hour recharge time
- Transmitters can be left in charger indefinitely
- Takes standard NiMH AA batteries
- Safeguards against wrong or improperly inserted batteries