



R300

Designed for the entry-level professional, the Electro-Voice R300 makes the benefits of professional wireless microphone performance accessible to a new category of users. With features such as one-touch ClearScan™ and EZsync transmitter update, the R300 offers professional-class capabilities but is as easy to set up and use as any entry-level wireless microphone system.

R300-HD HANDHELD SYSTEM – PL22 DYNAMIC MICROPHONE



The HT-300 metal handheld transmitter is made to withstand the rigors of daily use but still be comfortable in your hand. The PL22 dynamic microphone is the perfect all-around microphone for speaking engagements, singing and emcees. The cardioid pickup pattern rejects noises from the surroundings, helps control audio feedback and still allows an experienced vocalist to work the microphone.

- ClearScan™ automatically finds the clearest channel
- EZsync one-step channel setup
- PL22 cardioid dynamic microphone element
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter
- Metal receiver chassis with optional rack mount

R300-L LAPEL SYSTEM – ULM18 DIRECTIONAL MICROPHONE



The R300-L system includes the metal BP-300 bodypack transmitter, which uses two AA batteries. With ClearScan™ and EZsync, the R300-L is the easiest wireless system you will ever use for presentations and worship services. The directional ULM18 helps to reject noise from the surroundings and control audio feedback.

- ClearScan™ automatically finds the clearest channel
- EZsync one-step channel setup
- ULM18 directional lapel microphone
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter
- Metal receiver chassis with optional rack mount

R300-E HEADWORN SYSTEM – HM3 OMNIDIRECTIONAL MICROPHONE



The R300-E system includes the metal BP-300 bodypack transmitter, which uses two AA batteries. The HM3 microphone is comfortable for extensive daily use, including long presentations. Using a headworn microphone helps to control audio feedback and provides consistent audio while the speaker moves naturally around the stage.

- ClearScan™ automatically finds the clearest channel
- EZsync one-step channel setup
- HM3 omnidirectional microphone
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter
- Metal receiver chassis with optional rack mount

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

R300 WIRELESS MADE EASY

The R300 system is designed as an easy-to-use entry-level wireless for churches, schools, presenters, DJs and more. But the R300 also offers features normally found only in higher-priced professional systems, including a true rack-mountable metal receiver, metal bodypack and handheld transmitter and remote-mountable antennas.

With the touch of a single button, ClearScan™ scans through all 32 preset channels and selects the clearest channel, which ensures noise-free operation over the longest operating range. In the increasingly cluttered world of RF, ClearScan™ gives you confidence that you can easily find an open frequency.

Matching the transmitter frequency to the receiver also requires just the touch of a button. The R300 uses EZsync infrared technology to automatically set the transmitter to the correct frequency and confirm operation in one step.



| RE300 Receiver | |
|-------------------------|--|
| Receiver Type | Synthesized PLL |
| Frequency Response (RF) | A Band 618–634 MHz B Band 678–694 MHz E Band 850–865 MHz |
| Number of Channels | 32 |
| Modulation | +/- 40 kHz |
| Diversity | True Antenna |
| RF Sensitivity | < 1.0 uV for 12 dB SINAD |
| Image Rejection | > 55 dB |
| Squelch | Tone-code plus amplitude |
| Power Requirements | 12–16 VDC, 500 mA max |
| Operating Temperature | 5° to 45° C (41° to 113° F) |
| Dimensions | H x W x D 1.72" x 7.8" x 8.0" (43 x 206 x 210 mm) |

| BP-300 and HT-300 Transmitters | |
|--------------------------------|--|
| Radiated Output | 8 mW typical |
| Back Lit LCD Display | Channel, frequency, mute and battery level |
| Microphone Head | Electro-Voice PL22 cardioid dynamic |
| Standard Lavalier Microphone | Electro-Voice ULM18 directional condenser |
| TA4 Connector Wiring | Pin 1: ground; Pin 2: mic Input; Pin 3: +5 V bias; Pin 4: N/C |
| Power Requirements | Two AA batteries |
| Battery Life (typical) | > 14 hours with AA alkaline typical |
| Bodypack Antenna | Flexible external 1/4-wave |
| Handheld Antenna | Internal proprietary |
| Dimensions (Bodypack) | H x W x D 3.3" x 2.6" x 0.89" (84 x 66 x 23 mm) |
| Dimensions (Handheld) | 10.57" (268.5 mm) Long |

| Audio Parameters | |
|--|---|
| Frequency Response | 80 Hz – 18 kHz +/- 2 dB |
| Balanced Output (max @ 40 kHz deviation) | 20 dBV |
| Unbalanced Output | Adjustable 8 mV - 0.755V RMS |
| Distortion | < 1.0%, 0.4% typical (ref 1 kHz, 40 kHz deviation) |
| Signal-to-Noise Ratio | > 100 dB A weighted |
| Dynamic Range | > 95 dB |

