

R300 UHF Wireless Microphone System



Key Features:

- ClearScan finds the clearest channel available with the touch of one button
- EZsync infrared channel transfer from the receiver to the transmitter for easy and error-free setup
- PL22 cardioid dynamic microphone element for crisp, clear vocals in any application
- 14 hour battery life from two AA alkaline batteries
- Rugged metal transmitters with backlit LCD display and battery gauge
- 32 preset channels, with compatible groups of 8 channels for simultaneous use
- Bodypack with TA4 connector – compatible with all Electro-Voice lapel and headworn microphones for easy upgrades
- Detachable half-wave receiver TNC antennas allow for use with the APD4+ antenna distribution system
- Metal receiver chassis with optional rack mount ears and front mount antenna cables



General Description:

The Electro-Voice R300 opens a new category of wireless microphone in today's market; Entry Level Professional. With one touch ClearScan and EZ sync transmitter update the R300 is as easy to setup and use as any entry level wireless microphone. But the R300 also a true rack mountable metal receiver, metal bodypack and handheld transmitters, and remote mountable antennas normally found in higher priced professional systems.

With the touch of one button ClearScan scans through all 32 preset channels and selects the clearest channel. Having the clearest channel ensures noise free operation with the longest operating range. ClearScan gives you confidence in an increasingly difficult RF world.

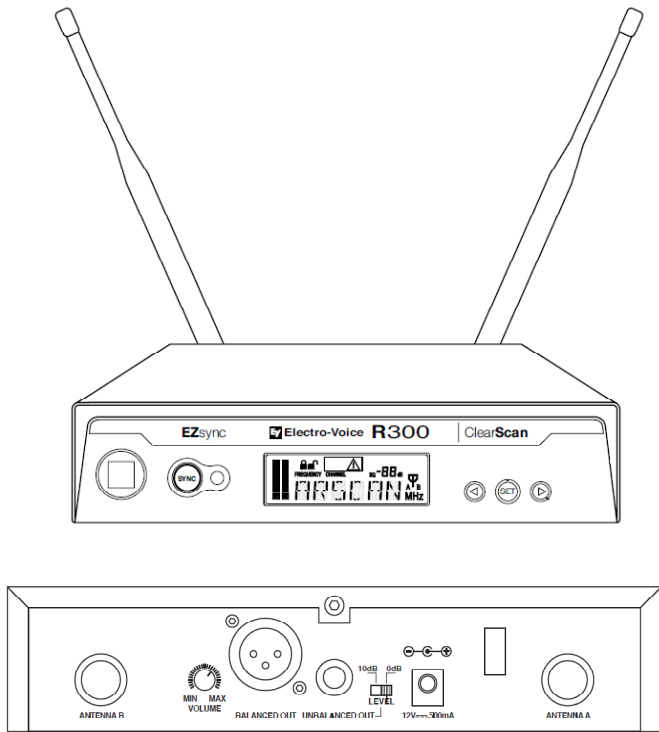
Matching the transmitter frequency to the receiver also requires just the touch of a button. EZsync uses infrared technology to set the transmitter to the correct frequency and confirms operation in one automatic step. EZsync ensures error free setup.

BP-300 is an all new metal bodypack transmitter that is rugged, compact, and easy to use. Using two AA batteries for 14 hours of use, the BP-300 is one of the most economical transmitters around for applications that require daily operation. The mute function keeps the RF signal live while it mutes the audio to protect your channel and prevent noise in the audio system. The TA4 connector allows the use of any EV lapel or headworn microphone for a variety of applications.

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 pick up pattern rejects noise from the surroundings, helps to control audio feedback, and still allows an experienced vocalist to work the microphone.

The receiver for the R300 system is equally at home on a table top or in a 19 inch equipment rack. Rack mount kits and front mount antenna cables are available for the R300 for a professional installation. For applications with up to 4 receivers in one rack, the APD4+ antenna splitter can provide antenna and power feeds.



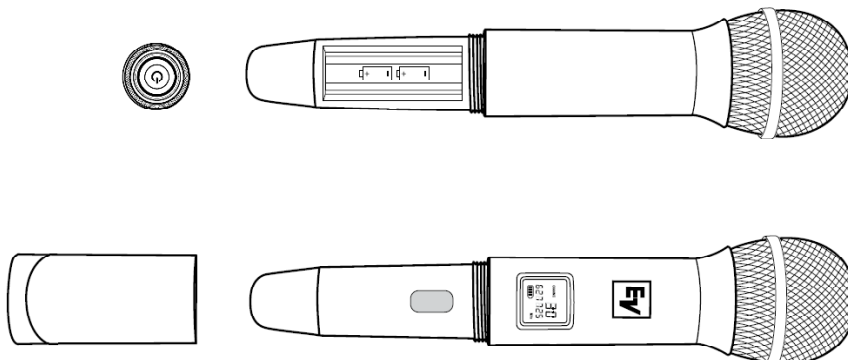
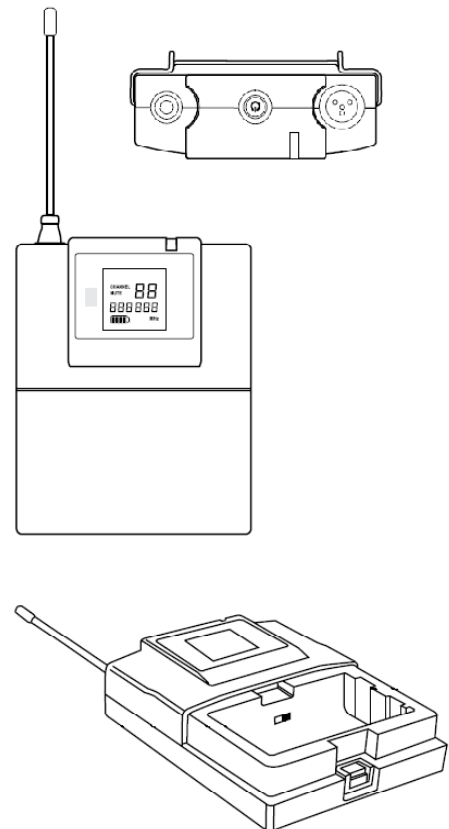


R300 Receiver Specifications:

| | |
|-------------------------|--|
| Receiver Type: | Synthesized PLL |
| Frequency Range (RF): | A Band 618 – 634 MHz B Band 678 – 694 MHz C Band 850 – 865 MHz |
| Number of Channels: | 32 |
| Modulation: | ± 40 kHz |
| Diversity: | True Antenna |
| RF Sensitivity: | <1.0 µV for 12 dB SINAD |
| Image Rejection: | > 55 dB |
| Squelch: | Tone Code plus Amplitude |
| FCC Certification: | Approved under Part 15 |
| Power Requirements: | 12 – 16 VDC, 500mA max |
| Operating Temperature: | 5° to 45° C (41° to 113° F) |
| Dimensions: | 43mm H x 206mm W x 210mm D 1.72" H x 7.8" W x 8.0" D |
| Audio Parameters | |
| Frequency Response: | 80 Hz – 18 kHz ± 2 dB |
| Balanced Output: | 20 dBV (max @ 40kHz deviation) |
| Unbalanced Output: | Adjustable 8 mV to 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 |

BP-300 and HT300 Transmitter Specifications:

| | |
|-------------------------------|---|
| 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 Uni-Directional Condenser |
| TA4F Connector Wiring: | Pin 1: Ground; Pin 2: Mic Input; Pin 3: +5V bias; Pin 4: N/C |
| Power Requirement: | 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): | 84mm H x 66mm W x 23mm D 3.3" H x 2.6" W x 0.89" D |
| Dimensions (Handheld): | 26.7 cm (10.57") Long |



Accessories and Parts:

| Description | Model Number | Part Number |
|---|--------------|---------------|
| R300-L System Uni-Lapel | ULM18 | F.01U.168.803 |
| R300-E System Headworn Microphone | HM3 | F.01U.168.804 |
| Windscreen for ULM18 | WS-18 | F.01U.168.802 |
| Windscreen for HM3 | WS-H3 | F.01U.170.778 |
| Beltclip for BP-300 | BC-300 | F.01U.168.797 |
| Guitar Cord | MAC-G3 | F.01U.118.492 |
| PL22 Dynamic Microphone Head | RCC-PL22 | F.01U.170.777 |
| Foam Windscreen for Handheld | 379-1 | F.01U.117.911 |
| 1/2 Wave Receiver Antenna A Band | CRA-A | F.01U.168.794 |
| 1/2 Wave Receiver Antenna B Band | CRA-B | F.01U.168.795 |
| 1/2 Wave Receiver Antenna E Band | CRA-E | F.01U.168.796 |
| Single Receiver Rack Mount Kit | RM-300 | F.01U.168.792 |
| Double Rack Mount Kit | RMD-300 | F.01U.168.793 |
| Front Mount Antenna Cables (4) | FMC-K | F.01U.118.471 |
| Antenna/Power Distribution (610-760 MHz) (A/B Band) | APD4+ | F.01U.117.678 |
| Antenna/Power Distribution (760-865 MHz) (E Band) | APD4+Euro | F.01U.117.679 |
| Termination Plug for Unused Outputs of APD4+ | TP-2 | F.01U.086.103 |

Certifications (depending on frequency selected and country of operation):

R300 receiver, HT-300 and BP-300 transmitters: Certified to ETSI EN 300 422-2 and ETSI EN 301 489-3, Conforms to European Union directives, eligible to bear CE marking as per the R&TTE directive.

R300 receiver: Certified for use in Canada under RSS 210 Issue 5. HT-C and BP-C transmitters: Certified for use in Canada under RSS 123 Issue 1.

R300 receiver: Authorized under U.S. Federal communications Commission Part 15.
HT-300 and BP-300 transmitters: Certified under U.S. Federal Communications Commission Part 74.

Licensing of this equipment is the user's responsibility and is determined by the user's classification, the user's application, and frequency selected. The user should contact the appropriate telecommunications authority for any desired clarification. Any changes or modifications made to the aforementioned equipment, by the user, could void the user's authority to operate the equipment.

FCC Consumer Alert:

Most United States 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.

Warranty and Service:

Visit our website www.electrovoice.com/warranty for detailed warranty and service information.

Electro-Voice

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Part Number LIT000521000 Rev 1

U.S.A. and Canada only. For customer orders, contact Customer Service at:
800/392-3497 Fax: 800/955-6831

Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:
+ 49 9421-706 0 Fax: + 49 9421-706 265

Other International locations. For customer orders, Contact Customer Service at:
+ 1 952 884-4051 Fax: + 1 952 887-9212

For warranty repair or service information, contact the Service Repair department at:
800/685-2606

For technical assistance, contact Technical Support at: 866/78AUDIO

Specifications subject to change without notice.