

WIRELESS MICROPHONES

For over thirty years, Electro-Voice has been in the business of providing quality wireless communications for demanding professionals. We have the hands-on experience and engineering know-how to address all of your wireless needs.

Key Strengths

- ClearScan™—the original and best scanning technology on the planet
- Patented Posi-Phase™ true diversity for dropout-free audio with the best range in the business
- Complete range of models and accessories to fit applications and installations of all sizes and complexity
- Superior design, construction and warranty for maximum professional performance
- Designed and supported in the USA
- Backed by Bosch, whose Bosch Communications family of pro audio brands includes Electro-Voice microphones, DSP, amplifiers and loudspeakers and Telex intercom systems

Why Choose EV Wireless?

Whether designing a one-channel system or a large, multiple-wireless deployment, you can trust EV to provide the product, frequency coordination and system accessories for a turnkey installation. All EV wireless systems are designed to exacting standards in our Lincoln, Nebraska facility and built in state-of-the-art Bosch production facilities around the world. Advanced techniques are employed in the design of each wireless product, from initial computer simulation and circuit design all the way through the manufacturing line and automated testing. The individual components in every EV system are tested prior to a complete system test, ensuring reliable field performance. EV wireless microphone products are supported from the factory in Lincoln, Nebraska as well as from authorized centers in Canada, Germany and Singapore.



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-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

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 T Band 794–806 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)

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

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



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