



Cobalt™
VHF



Cobalt™
UHF



VHF Cobalt Wireless Systems

The R100 VHF systems operate in the frequency band between 174.100 and 185.350 MHz (channels 7-8 in the TV band). With the R100 Series, having EV wireless freedom has never been more affordable, cost-effective or practical. The R100's rock-solid RF performance is the result of superior design and state-of-the-art manufacturing. The R100 receiver can also be rack mounted with the optional RMR accessory kit.



UHF Cobalt Wireless Systems

The R200 UHF systems operate in the 710.000-721.350 MHz band (channels 54-55 in the TV band). The chief advantage of the UHF band is that there are far fewer chances of interference problems since the frequency range is less crowded. With the R200U systems, there is a wider selection of premium high-performance microphones for better audio performance plus the receivers have 1/4-inch unbalanced and balanced mic-level 3-pin XLR-type output connectors. The R200 receiver can also be rack mounted with the optional RMR accessory kit.

R100 SYSTEMS SPECIFICATIONS

RF Frequency Range:	174.100-185.350 MHz (8 stock frequencies)
Audio Frequency Response:	20-15 kHz +/- 2 dB
Harmonic Distortion:	<0.5%
Radiated RF Output:	35-45 mW typical, 50 mW maximum
Audio Output Level:	.775 V rms @ 100 kilohms
Battery Life:	8-12 hours typical

Available Systems:

R100VHC7 Electro-Voice Co₇ Handheld Dynamic
R100VHC11 Electro-Voice Co₁₁ Handheld Condenser
R100VL Electro-Voice OLM10 Lavalier Condenser
R100VE Electro-Voice HM2 Headworn Condenser
R100VG Electro-Voice Guitar System

R200 SYSTEMS SPECIFICATIONS

RF Frequency Range:	710.100-721.350 MHz (8 stock frequencies)
Audio Frequency Response:	20-15 kHz +/- 2 dB
Harmonic Distortion:	<0.5%
Radiated RF Output:	35-45 mW typical, 50 mW maximum
Audio Output Level:	-20 dBV @ 600 ohms (XLR) .775 V rms @ 100 kilohms
Battery Life:	8-12 hours typical

Available Systems:

R200UHC7 Electro-Voice Co₇ Handheld Dynamic
R200UHC11 Electro-Voice Co₁₁ Handheld Condenser
R200UL Electro-Voice ULM20 Lavalier Condenser
R200UE Electro-Voice HM2 Headworn Condenser
R200UG Electro-Voice Guitar System
R200UT Electro-Voice Plug-On System

Cobalt Handheld Transmitters

Cobalt handheld systems combine EV's classically styled, ergonomically contoured transmitter with famous EV microphone transducers. Separate on/off and mute switches give you operational flexibility and eliminate popping common in single switch transmitters. The R100 and R200 systems feature the Co₇ dynamic and CO₁₁ condenser microphones.

Cobalt Bodypack Transmitters

Cobalt bodypacks have options to fit virtually any wireless application. Each system features an oversized switch for easy, silent muting and a separate on/off switch. R100 systems offer handwired lavalier (lapel) condenser microphones and a 1/4-inch instrument plug. R100 headworn and all R200 bodypacks come with TA4F connectors to allow easy interchangeability of mics. There is a collection of lavalier and headworn microphones for R200 systems to perfectly meet any requirement.

Cobalt Instrument Systems

Most wireless guitar systems are just a microphone bodypack with a 1/4-inch connector. The Cobalt instrument systems are designed specifically to bring out the transient detail and wide dynamics of a guitar. The companding circuit provides wide dynamic range and accurately captures the "plugged in" essence of the instrument's sound.

R200 XTU Universal Plug-On UHF Transmitter

With EV's XTU UHF transmitter, you can turn most any dynamic or electret microphone into a wireless by simply plugging it into the XLR connector. The XTU has a gain adjustment control with wide range to allow optimum level matching to your microphone.

For more information visit www.electrovoice.com



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Cobalt™

professional wireless microphone system

Electro-Voice® Cobalt™ Wireless Systems

Whether you're playing in front of 15 or 15,000 people, you want to sound your very best from anywhere in the room — whether you're center stage or hanging from the rafters. So why not go wireless? Yeah, we know what you are thinking — wireless belongs to the world of huge tours, tricked-out videos, and serious money. And unless you've already signed that multi-million dollar deal, you've got expenses: rehearsal space, touring van tune-up, equipment upkeep, etc. Bottom line: you expect the most for your money. *Enter Cobalt wireless...* available in UHF and VHF with either the dynamic Co₇ or condenser Co₁₁. Choose from handheld, lapel, headworn or instrument systems in VHF or UHF — and experience a whole new revolution in wireless — and at a price that will keep your gas tank full.

Secure-Phase™ Diversity

Cobalt receivers utilize EV's Secure-Phase diversity circuitry to provide the strongest, cleanest signal possible. Unlike other diversity circuits that switch antennas or signals, Secure-Phase utilizes the signal from both antennas at all times to increase signal strength, minimize dropouts and lower the potential for interference. If the signal from the transmitter changes phase or polarity (a common cause of dropouts), the circuit continually adjusts the phase angle between the two antennas to prevent cancellation. Secure-Phase is a real breakthrough in maximizing signal strength for better audio performance and increased range.

Excellent Signal-to-Noise Ratio

The well-designed audio and companding circuitries of the Cobalt wireless provide 94 dB of dynamic range. Transient response is clean and life-like for super-accurate audio quality. Each receiver also has a wide-range, adjustable output level control for optimum gain matching and best signal-to-noise ratio.

Cobalt™
professional microphone system

W I R E L E S S