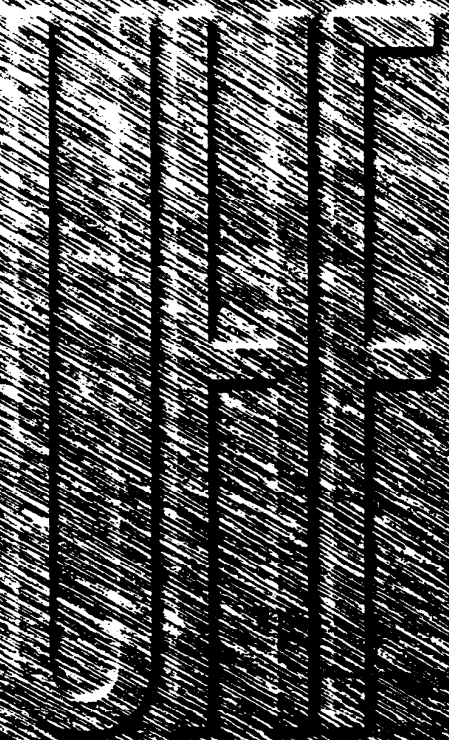
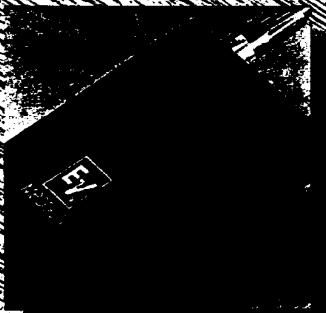




*Hard-wired sound quality with
uncompromising reliability*

professional wireless system

MIS 3000



MS3000 UHF DIVERSITY WIRELESS SYSTEM

Professionals in every facet of the audio business trust Electro-Voice products to deliver incredible sound quality, uncompromising reliability and long useful life. From this dedication to innovation and craftsmanship comes the MS3000 UHF wireless system.

The EV MS3000 is the fourth generation of a product line designed to deliver pristine sound with genuine "hard wired" audio quality. By combining UHF frequencies with EV's advanced technology and solid construction, the MS3000 offers unsurpassed performance and reliability. When everything has to be just right, you can count on the MS3000.

The MS3000 is available in 30 custom-tuned UHF frequencies. With UHF frequencies, interference is less likely because there are significantly fewer sources in use. The higher power and wider signal deviations permitted with UHF wireless mean that sound quality and useful range are better, plus more systems can be used simultaneously.

MR3000 Receiver Secure-Phase® Diversity

An important facet of the MS3000's sound quality and reliability is its Secure-Phase® Diversity circuitry. Most "true diversity" wireless systems use two low-quality RF receivers that are monitored for signal strength and switched in/out. The Secure-Phase® design utilizes a high-performance, high-quality RF receiver and combines the signal from both antennas at all times to maximize signal strength. As the signal changes, a sophisticated circuit adjusts the phase angle between the two antennas 300 times per second to minimize potential dropouts from signal cancellations. The combination of the high-quality receiver and Secure-Phase® circuitry produces the strongest signal possible with the best sound quality. Even in difficult RF environments, the MS3000 performs.



Flexible Features

The MR3000's metal- $\frac{1}{2}$ rack space receiver is solidly built to handle life in a road rack and comes with hardware to mount one or two systems in a single rack space. Its rear-mounted TNC antenna connectors are electrically and mechanically superior to the commonly used BNC type and can be extended to the front panel when the receiver is rack mounted.

The MR3000 has 3-pin XLR-type balanced and $\frac{1}{4}$ -inch unbalanced output connectors for easy system interface.

On the front panel, the MR3000 has

separate five-segment LED meters for RF signal and output level for monitoring. Two LEDs show the action of the diversity circuit and there is also a squelch adjustment to fine-tune noise vs. sensitivity.

The MR3000 has high-performance companding circuitry that boasts 104 dB dynamic range and has crystal-clear transients, free from noise tails, pumping or breathing.

MT3000 Handheld Transmitter

EV's handheld transmitter design not only eliminates the antenna "pig tail," it also delivers the highest effective



FEATURES

- Well-designed companding and audio circuits deliver "hard wired" sound quality
- High 104 dB signal-to-noise ratio
- 30 available UHF frequencies for ease in using multiple systems. 10 systems can be used in ideal conditions.
- Metal chassis 1/2-rack space receiver with TNC antenna connectors
- Metering for audio level, rf level and diversity channel
- Externally adjustable squelch control
- Balanced 3-pin XLR-type and unbalanced 1/4-inch audio outputs
- Choice of transmitters including rugged bodypack with TA4M connector for lavalier and headset microphones. Professional handheld transmitters with choice of Electro-Voice N/D767 dynamic or BK-1 condenser transducers



radiated output power of any unit in its product class which can make a big difference in difficult RF situations.

The MT3000 features EV's classically styled contoured chassis that is covered in a rubber-like finish, making it comfortable and secure to hold. There are on/off and toggle-type mute switches for convenient operation and status lights to indicate when the system is on and the condition of the battery. Choose either premium EV N/D767 N/DYM® dynamic or the famous BK-1 condenser vocal microphones that are precisely mounted to minimize handling noise.

EV's famous Memraflex™ dent-resistant grille keeps the mic looking new.

MB3000 Bodypack Transmitter

The MS3000's bodypack transmitter features a TA4F 4-pin input connector to accommodate a wide range of available lavalier and headset microphones. There are on/off and a toggle-type mute switches that allow the bodypack to be easily controlled without undue fumbling. A low-battery indicator is located on the control panel. The MB3000 also has a wide-range gain control to maximize S/N ratio and prevent front end overload.

Professional Performance and American-built Quality

The MS3000's combination of rock-solid reliability, operational ease and sonic quality places it head and shoulders above any competing wireless system. Try the MS3000 and see what "performance" really means. The MS3000 sounds like a high-quality hard-wired microphone! We're sure you'll be impressed!

THE MS3000 SYSTEM SPECIFICATIONS

MR3000 RECEIVER

Frequency Range:	690 - 725 MHz
RF Stability:	0.005% or better
Modulation Type:	FM, 40 kHz nominal
Type:	Double Conversion, 65.75 MHz and 10.7 MHz I.F.
IF Bandwidth:	230 kHz at -3dB points
Image Rejection:	65 dB or better
Squelch:	Amplitude adjustable
Audio Outputs:	
Mic Level:	-20 dBV at 600 ohms
Line Level:	0.775 V rms at 100K ohms (max)
Signal-to-Noise Ratio:	104 dB
Receiver Sensitivity:	Less than 0.8 μ V for 12 dB SINAD
FCC Compliance:	Notification, Part 15
FCC Identification:	B5DR307
Diversity:	Continuous Secure-Phase™ Diversity to maximize signal strength
Supplied Accessories:	Two ¼-wave antennas; two antenna adapters and extension cables; rack mount adapters (1 short, 1 mid, 1 long); adjustment screwdriver; AC power supply; owner's manual.
Size (HxWxD):	1.75 in x 7.5 in x 7.75 in without antennas (44.5 x 190.5 x 196.85 mm)
Weight:	2.06 lb / 1.06 kg

AVAILABLE FREQUENCIES

690.100
690.500
691.200
692.100
694.200
695.000
695.350
695.500
696.425
696.725
698.200
699.800
700.200
702.200
702.600
703.250
704.250
706.250
707.450
707.850
708.600
709.150
710.350
712.250
713.900
714.450
715.350
717.750
719.050
720.600

MT3000 HANDHELD TRANSMITTER

Power Output:	50-mW maximum
Antenna:	Internal
Modulation:	FM, \pm 40 kHz deviation w/50 us pre-emphasis
Frequency Response:	50 Hz to 15,000 Hz
Transducer:	Electro-Voice N/D767 Supercardioid (MSHD) Electro-Voice BK-1 Cardioid Electret (MSHC)
Supplied Accessory:	Deluxe stand adapter
Battery:	9 volt alkaline
Approvals:	FCC, Part 74H Industry Canada RSS123
FCC Identification:	B5DH211
Size:	10.75 in. long (27.3 cm) x 2 in. (5.08 cm) max.
Weight (MSHD)	284 g (10 oz) without battery
Weight (MSHC)	246 g (9.6 oz) without battery

MB3000 BODYPACK TRANSMITTER

Power Output:	50-mW maximum
Antenna:	Permanently attached
Modulation:	FM, \pm 40 kHz Deviation w/50 us pre-emphasis
TA4F Connector:	Pin 1: Ground; Pin 2: Mic Input; Pin 3: +5 volt bias; Pin 4: +5 volt bias fed through a 3 K ohm resistor for 2-wire electrets
Frequency Response:	50 Hz to 15,000 Hz
Microphone Input Sensitivity:	7.8 mV for full deviation
DC Power:	9 volt alkaline battery
Approvals:	FCC, Part 74H Industry Canada RSS123
FCC Identification:	B5DB108A
Size (HxWxD):	4.5 in x 2.6 in x 1.25 in (no antenna) (114.3 cm x 66 cm x 31.75 cm)
Weight:	3.4 oz (9.6 grams) without battery



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