





The Professional Video SourceBook

Section 8

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 For Section 8, Microphones
use Quick Dial #: 91

PRO 88W

VHF Wireless Microphone System

The PRO 88W is designed for camcorder and other applications requiring a small, easily portable wireless. Equipped with a flexible detachable antenna and a choice of two transmitter and receiver frequencies on each system, the small and inconspicuous VHF wireless system will mount on the light shoe of camcorders or on the back of a camera itself with a Velcro attachment. For fixed installations, a 9v DC input is available on the receiver. Eight VHF channels are available for interference-free operation in virtually any location.

- ◆ Provides freedom of movement for video production, computer applications and business presentations.
- ◆ Two switchable frequencies for interference-free operation.
- ◆ Normal operating range is 100' and up to 300' under optimum conditions.
- ◆ Durable, flexible antenna can be positioned for best reception.
- ◆ High-band VHF operation for superior sound.
- ◆ Real-time monitoring capability with included earphone.
- ◆ Rugged design and construction with handsome non-reflective finish.
- ◆ Quick and reliable mounting system for camcorder use.
- ◆ Receiver and transmitter are each powered by a single 9v battery.



Pro 88W System: Includes a body-pack transmitter, camera mountable receiver and AT830mW omnidirectional lavalier microphone (T13 / 169.445 MHz - 170.245 MHz) (Mfr# W88-13-830 • B&H# AUP88W83013) **169.95**

MT830mW: Omni-Directional Condenser Lavalier Microphone for PRO-88 Transmitter (Mfr# MT830MW • B&H# AUMT830MW) **87.95**

Introduction to Wireless

Portable wireless systems are composed of three basic components: The microphone, the transmitter and the receiver. Basically, the microphone attaches to the transmitter, and the transmitter beams the audio wirelessly from the microphone to the receiver. The receiver then plugs into the mic input on a video camera, or into a mixer, etc...

There are different kinds of wireless mics. In "run-and-gun" situations where you need to interview people quickly on the street, a handheld system is used. For actors, speakers, performers etc., lavalier microphones—tiny microphones that often get clipped to a subject's clothing—are used. Lavalier mics are very popular because they are so inconspicuous. Wireless lav mics usually have clip with a thin wire running from it ending in a connector jack which then plugs into a "bodypack transmitter." These transmitters are often clipped to a subject's belt, or put into a pocket. In addition to mics, some transmitters can also accept a line level signal from devices such as mixing boards.

Portable wireless receivers generally have one or two antennas, and they often come with accessories that allow you to mount them to a video camera. There are essentially two kinds of wireless receivers: Diversity and non-diversity. Diversity means that the receiver has switching mechanisms inside of it that help prevent drop-outs and interference. A non-diversity receiver does not have these mechanisms. People are often surprised to learn that it isn't possible to use more than one wireless mic with a single receiver. This is only possible when you're using a receiver that is designed to receive two signals, which are called dual channel systems. The receivers in these systems have two receivers built into a single chassis.

Diversity and UHF systems help you avoid interference, but no wireless system is impervious to it. Wireless systems are either "frequency-agile" or "fixed-frequency." The former means that you can change the frequency that the transmitter and receiver operate on. This is useful if you're experiencing interference. The latter lets you change and match the frequency settings on both the transmitter and receiver in order to find a clean channel to use. Some systems have scanners that can help you locate a clean channel. Fixed-frequency systems have only a single channel, so if you're getting interference, there is no way to remedy the situation.

The price range for wireless microphone systems can vary from \$100 to over \$3000 for a single system. There are many factors that can make one model more expensive than another: better audio quality, higher quality components, diversity, a strong signal strength. However, the main factor that drive professionals to spend more money on a portable wireless system is—reliability.

1800 SERIES

Camera-mount UHF Wireless Systems

With UHF reception (996 frequencies selectable in 25 kHz steps), the 1800 Series provides an extremely flexible, professional and easy-to-use portable wireless solutions. Available in single and dual-channel systems, the 1800 Series features include automatic frequency scanning, Tone Lock squelch, back-lit LCD, soft-touch buttons, headphone monitor output with independent level control, and durable metal construction.

For simultaneous operation of two microphones, dual-channel 1800 wireless systems include the ATW-R1820 dual receiver with two completely independent receiver channels in a single unit.

Dual balanced outputs enable signals to be mixed, or independently assigned to each output.

Independent audio level controls provide flexible audio mixing and monitoring possibilities. For those using a single microphone, the single-channel 1800 Series systems include the ATW-R1810 single-channel receiver.

Systems come equipped with a choice of plug-on and body-pack transmitters. ATW-T1801 UniPak body-pack transmitter features a professional locking 4-pin connector compatible with all Audio-Technica Wireless Essentials microphones. The ATW-T1802 plug-on transmitter features a locking XLR connector for adapting dynamic and condenser microphones. Both transmitters offer selectable high and low transmission modes to conserve battery life/maximize power.



1800 Series Features

- ◆ Compact receiver is easily camera mounted.
- ◆ Automatic frequency scanning for easy selection of open channels.
- ◆ Tone Lock squelch system eliminates interference when transmitter is off.
- ◆ Headphone monitor output with independent level control.
- ◆ Battery level indicators on transmitters and receiver (powered by AA batteries).
- ◆ Soft-touch controls for easy frequency selection.
- ◆ True Diversity operation for resistance to multi-path interference and dropouts.
- ◆ LCD frequency and battery status display with backlight.
- ◆ Antenna and AF Peak LED indicators.
- ◆ Low or high transmission modes to conserve battery life/maximize power.
- ◆ Components of the 1800 and 3000 Series wireless systems can be interchanged.
- ◆ Dual-channel receiver features two independent receiver channels in a single unit for simultaneous operation of two microphones with two independent balanced outputs.
- ◆ Dual-channel receiver can operate in single-receiver mode to extend battery life.

1800 System Components

Portable Bodypack Transmitter

(Mfr # ATW-T1801D • B&H # AUATWT1801D)**249.00**

Portable Single-Channel Diversity Receiver with antennas, receiver belt pouch and receiver output cable (18") with industrial hook and loop fastener. (Mfr # ATW-R1810D • B&H # AUATWR1810D)**359.00**

Plug-In Transmitter

(Mfr # ATW-T1802D • B&H # AUATWT1802D)**249.00**

Portable Dual Channel Diversity Receiver with two antennas, receiver belt pouch and two receiver output cable (18") with industrial hook and loop fastener. (Mfr # ATW-R1820D • B&H # AUATWR1820D)**999.00**

1800 Systems

ATW-1811D: Includes ATW-R1810 Receiver and ATW-T1801 UniPak Transmitter with Omni Lavalier Mic. (Mfr # ATW-1811D • B&H # AUATW1811D)**499.00**

ATW-1812D: Includes ATW-R1810 Receiver and ATW-T1802 Plug-In Transmitter. (Mfr # ATW-1812D • B&H # AUATW1812D)**499.00**

ATW-1813D Combo System: Includes ATW-R1810 Receiver, ATW-T1802 Plug-In Transmitter, ATW-T1802 Bodypack and Lavalier Microphone. (Mfr # ATW-1813D • B&H # AUATW1813D)**697.00**

ATW-1821: Includes ATW-R1820 Dual Receiver and two ATW-T1801 Bodypack Transmitters (Mfr # ATW-1821D • B&H # AUATW1821D)**1295.00**

ATW-1822: Includes ATW-R1820 Dual Receiver and two ATW-T1802 Plug-In Transmitters (Mfr # ATW-1822D • B&H # AUATW1822D)**1295.00**

ATW-1823 Combo System: Includes ATW-R1820 Dual Receiver, ATW-1801 Bodypack and ATW-T1802 Plug-In Transmitters (Mfr # ATW-1823D • B&H # AUATW1823D)**1295.00**

PRO SERIES

VHF Wireless Mic Systems

Built around a two-channel design that allows selection of the frequency that provides the cleanest signal — for reliable RF performance up to 250' away—the Pro Series brings you high performance VHF wireless at a price you can afford. All components are available with one of two sets of switchable frequencies: the PRO Series (169.445 and 170.245 MHz) or PRO S Series (171.105 and 171.845 MHz), and high performance VHF transmitters and receivers incorporating SMD (surface mount device) technology. The compact receivers connect to the camera's external mic jack with the attached mini cable, and attach to the camera with a supplied shoe mount or Velcro. The receivers also have LED indicators for battery condition, transmit and receive operation.

WM/T-PRO Handheld Mic/Transmitter

2-channel switchable. Standby switch to mute audio. Rubberized coating for reduced "touch" noise. Uses a single "AA" battery.

WM/T-PRO: Transmits on "PRO" Series frequencies (169.445MHz and 170.245MHz) (Mfr # WM/T-PRO • B&H # AZWMTPRO) **119.95**

WM/T-PRO(S): Transmits on the PRO S Series frequencies (171.105 and 171.845 MHz) (Mfr # WMTPROS • B&H # AZWMTPROS) **119.95**



WM/T-PRO

WR22-PRO Discrete 2-Channel VHF Receiver

A "discrete" non-diversity receiver the WR22-PRO lets you use two wireless mics simultaneously - one on each channel of a stereo camera. Each receiver inside the case is set to a different frequency allowing you to capture the voices of two people at the same time, with each on a separate channel. On-board controls let you monitor the signals being received and to stop receiving from either microphone if you wish.



WR22-PRO

- ◆ Each transmitter can be from 10-250' from the WR22-PRO receiver
- ◆ Smaller than a pack of cigarettes, the WR22-PRO mounts on a camera with supplied shoe mount or Velcro.
- ◆ Operates on 9v battery and can be powered (with optional adapters) by 12v DC or 120v AC

WR22-PRO: PRO Series Frequencies (169.445MHz and 170.245MHz) (Mfr # WR22-PRO • B&H # AZWR22PRO) **179.95**

WR22-PRO(S): PRO S Series Frequencies (171.105 & 171.845 MHz) (Mfr # WR22PROS • B&H # AZWR22PROS) **179.95**

WDR-PRO VHF On-Camera True-Diversity Receiver

A true diversity receiver, the WDR-PRO incorporates two complete 2-channel receivers inside the case and two separate antennas to eliminate dropouts and help you create the highest quality audio. Both receivers are set to the same frequency, and the circuitry selects the receiver receiving the stronger signal from the microphone and accepts this signal. The LEDs on the WDR-PRO turn from red to green as one receiver, and then the other receives a stronger signal. You can only use one microphone at a time.



WDR-PRO

WDR-PRO: PRO Series Frequencies (169.445MHz and 170.245MHz) (Mfr # WDR-PRO • B&H # AZWDRPRO) **199.95**

WDR-PRO(S): PRO S Series Frequencies (171.105 & 171.845 MHz) (Mfr # WDRPROS • B&H # AZWDRPROS) **199.95**

WL/T-PRO Beltpack Transmitter

The standard 2-channel switchable (169.445MHz and 170.245MHz) bodypack transmitter for all "PRO" series receivers. Includes EX-503 omni-directional lavalier mic and a belt-clip. It runs on a single 9v battery. (Mfr # WL/T-PRO • B&H # AZWLTPRO) **89.95**

WL/T-PRO(S): Same as above on, except on frequencies 171.105 and 171.845 MHz. (Mfr # WLTPROS • B&H # AZWLTPROS) **89.95**



WL/T-PRO

WX/T-PRO VHF XLR Plug-in Wireless Transmitter

The WX/T-PRO snaps onto any dynamic mic with a metal body and XLR connector and converts it to a wireless microphone. For use with all "PRO" Series receivers (WR-PRO, WR22-PRO and WDR-PRO) and available on both "PRO S" Series frequencies. Adjustable audio level accommodates a variety of microphones. Superb frequency response allow the true sound of your mic to come through. Power on/off, audio mute and status LED complete the full array of on-board controls needed for operational ease. It has a sleek ergonomic design in a durable ABS housing, and can operate for up to 10 hours on a single AA battery.

WX/T-PRO: (169.445 MHz) (Mfr # WXTPROF1 • B&H # AZWXTPROF1) **129.95**

WX/T-PRO: (170.245 MHz) (Mfr # WXTPROF2 • B&H # AZWXTPROF2) **129.95**

WX/T-PRO: (171.105 MHz) (Mfr # WXTPROSF1 • B&H # AZWXTPROSF1) **129.95**

WX/T-PRO: (171.845 MHz) (Mfr # WXTPROSF2 • B&H # AZWXTPROSF2) **129.95**



WX/T-PRO

PRO SERIES SYSTEMS



Ideal for pro videographers on a limited budget, schools and video hobbyists. Azden's 2-channel switchable "PRO" systems allow you to switch to the other channel if one is being used, or is noisy. Each system includes the WR-PRO camera-mount receiver (operating in 169.445 and 170.245MHz frequencies only). Receiver comes with both a shoe mount and hook-and-loop fastener, and an earphone output for monitoring. Microphones and receiver have LEDs for operating verification.

WLX-PRO: Includes the WL/T-PRO belt-pack transmitter with EX-503 electret condenser lavalier microphone and the WR-PRO receiver. (Mfr # WLX-PRO • B&H # AZWLXPRO) **134.95**

WHX-PRO Includes the WM/T-PRO handheld mic/transmitter and the WR-PRO receiver. Standby switch on the mic lets you to pass it around without "touch" noise. (Mfr # WHX-PRO • B&H # AZWHXPRO)..... **159.95**

WMS-PRO: The "all-time" best selling wireless microphone for videography. This versatile system consists of the WM-PRO belt-pack transmitter, two plug-in electret condenser microphones— a lavalier (EX-503) and handheld (EX-413) and the WR-PRO receiver which comes with both shoe-mount and hook and loop fastener. (Mfr # WMS-PRO • B&H # AZWMSPRO) **149.95**

105 SERIES Affordable, Camera Mounted UHF Wireless Mic Systems

This system sets the price/performance standard for entry level on-camera UHF wireless. Unlike the entry-level models of its competitors which have 12 or 16 channels, the 105 Series offers 91 user-selectable channels in the 566-589 MHz band. Both the receiver and body-pack transmitter are housed in small 3.9 x 2.4 x 13.8" cases ideal for today's small digital camcorders. The heart of the system is the 100UPR camera mountable UHF wireless receiver. Compatible for use with the 15HT or 15BT transmitters, it features a pivoting high-gain antenna, a 3.5mm -58dbB balanced mic level output jack, a 3.5mm monitor output jack (with level control), recessed On/Off switch, Power On/ Signal Received LED and channel selectors to set the desired frequency. Using crystal-control and PLL synthesis, the 100UPR operates for over 8 hours on two AA batteries.



105UPR UHF Receiver: The receiver comes with a "hot-shoe" mount, hook-and-loop mounting tape and a 3.5mm to 3.5mm output cable. (Azden's MX-1 3.5mm-to-XLR cable is optional). (Mfr # 105UPR • B&H # AZ105UPR) **199.95**

15BT UHF Body-pack Transmitter:
The 15BT body-pack transmitter comes with Azden's EX-503 omni-directional lapel mic and a metal belt-clip. In addition to the 3.5mm mic input jack, the transmitter has a Power On switch with an associated LED, a separate Standby switch for audio muting and a set of channel selector switches. Runs over 8 hours on two AA batteries. (Mfr # 15BT • B&H # AZ15BT)..... **155.95**

15HT UHF Handheld Mic/Transmitter:
Works seamlessly with the 105UPR receiver, and features Azden's special surface coating to reduce handling noise. Using an electret-condenser unidirectional element, it is designed with low-noise PLL circuitry to allow you to select any one of 91 UHF channels to assure interference-free reception in the 566-589 MHz range. It is 9" long, 1.73" in diameter, and runs on 2 "AA" batteries for over 8 hours. (Mfr # 15HT • B&H # AZ15HT) **169.95**

105LT Lavalier Mic System: 105UPR Receiver, 15BT Bodypack Transmitter and EX-503 Lavalier Microphone (Mfr # 105LT • B&H # AZ105LT) **339.95**

105HT Handheld Mic System: 105UPR Receiver and 15HT Handheld Microphone Transmitter (Mfr # 105HT • B&H # AZ105HT) **348.95**

105LTH Combo Mic System: 105UPR Receiver, 15HT Handheld and 15BT Bodypack Transmitters, and EX-503 Lav Mic (Mfr # 105LTH • B&H # AZ105LTH) **489.95**

305 SERIES

188-Frequency UHF Wireless System

Ideal for today's small DV/HDV camcorders. With 188 frequencies (566-589 MHz band) to choose from, you'll always find a clear channel. The series is based on the 305UPR compact UHF receiver. It features twin antennas to provide great reception while the rear-mounted shoe-mount is perfect for attaching the receiver horizontally to the camera. The 305UPR has a mini-jack balanced mic-level output, a headphone monitor output and an LCD display that provides information such as frequency selected, reception quality and battery life. The receiver comes with both a mini-to-mini and mini-to-XLR cable. The matching 35BT belt-pack transmitter features the same LCD display, and like the 305UPR, is powered by a pair of AA batteries. Microphones for the 35BT include the Azden EX-503 or the Sony ECM-44B omni-directional lavalier mics.



35HT Handheld Transmitter:

This UHF handheld mic works seamlessly with the 320 or 325UPR receivers. It features Azden's special surface coating to reduce handling noise and incorporates an electret-condenser unidirectional element. Select any one of 240 UHF channels to assure interference free reception in the 566-589 MHz range. Runs on two "AA" batteries for over 8 hours. The 35HT is 9" long and 1.73" in diameter.

35BT Body-pack Transmitter: The 35BT body-pack transmitter is designed to work with the 305UPR and 325UPR receivers. It provides the same selectable 240 UHF frequencies (566-589 MHz) and features a digital display for frequency selection and battery strength. Includes the EX-503L lavalier microphone. Powered by AA batteries.

35XT Plug-in Transmitter: Designed to operate with either the 305UPR or the 325UPR on-camera receivers, the 35XT UHF plug-in transmitter features a large LCD readout and digital frequency selection (choose from 240 frequencies). Can be used with any high-quality low impedance wired microphone. Runs on a single 9v battery for 6-8 hours.

305UPR: 188-Channel On-Camera Mountable UHF Wireless Receiver (Mfr# 305UPR • B&H# AZ305UPR)	274.95
305LT: Includes 30BT transmitter with EX-503 lavalier and 305UPR receiver (Mfr# 305LT • B&H# AZ305LT)	399.00
305ULX Combo: Includes 30BT transmitter with EX-503, 30XT plug-in transmitter and 305UPR receiver (Mfr#)	599.00



325 SERIES 188-Frequency UHF Wireless with Dual-Channel Receiver

Azden's 325 Series is based on their latest advance, the 325UPR. Smaller and lighter than all previous units, the 325UPR is a discrete dual-channel UHF receiver offering a choice of 240 user-selectable frequencies for each channel, and features stereo output, digital LCD displays with multi-function readout, and separate Power On/Off switches for each channel. The 325UPR operates on two AA batteries and has a unique dual-function DC jack. Optional NiMH batteries can be recharged while in the 325UPR, or the receiver can be powered from an external, optional power supply. The 325UPR comes with both dual-plug XLR and a stereo mini-plug output cable, a removable shoe-mount, and flexible high-gain antennas.

325UPR: Dual Channel Wireless Microphone Receiver (Mfr# 325UPR • B&H# AZ325UPR)	499.95
325ULH: Dual Channel Wireless Microphone Receiver System Includes 325 UPR Dual Receiver, 30HT Handheld Transmitter, 30BT Bodypack Transmitter and EX503 Lavalier Microphone (Mfr# 325ULH • B&H# AZ325ULH)	CALL
325ULT: Dual Channel Wireless Microphone Receiver System Includes 320 UPR Dual Receiver and two 30BT Bodypack Transmitters with EX503 Lavalier Microphones (Mfr# 325ULT • B&H# AZ325ULT)	799.95

1200 SERIES

Broadcast Series UHF Wireless Receivers and Transmitters

The sleek top-of-the-line 1200 series, featuring the 1200URX receiver, 1200BT bodypack transmitter and 1200XT plug-on transmitter, delivers performance and features usually associated with systems costing thousands more. The 9.9 oz. 1200URX Receiver features true diversity electronics in conjunction with removable twin high-gain antennas and Azden's proprietary DLC (Diversity Logic Control) circuitry for superior, noise-free reception. In addition, the receiver uses state-of-the-art dielectric filters for improved image rejection and 5th order filters for an improved S/N ratio. Balanced XLR mic/lineoutput and low noise circuitry ensure low noise and high audio gain on output. A comprehensive, multi-function LCD display provides frequency and channel information as well as battery and antenna status. It also features a 3.5mm headphone output with level control. The 1200-URX is powered via single 9-volt alkaline battery. Available in three configurations (Slot-in, V-Mount and Gold-Mount receiver), the rugged, black metal case measures a mere 3.3 x 3.9 x 1.2" (WxHxD).



FEATURES

- ◆ 188 UHF channels (723-735MHz) user-selectable, with LCD readout.
- ◆ True diversity system with two complete front-ends and high-gain antennas.
- ◆ Proprietary DLC (Diversity Logic Control) circuitry for reduced dropouts.
- ◆ State-of-the-art delectric filters throughout, for improved image rejection and superior diversity isolation.
- ◆ High (5th) order filters for improved S/N ratio.
- ◆ Multi-function LCD shows channel number and frequency, battery info, AF level and diversity operation.
- ◆ Ultra small, lightweight and externally powered.
- ◆ Mic/line switchable, earphone-out with level control.
- ◆ Bodypack transmitter (1200BT) with reduced current-drain for improved battery life, is available with the Azden EX-503H omni, EX-505UH uni or Sony ECM-44H omni lavalier microphones.
- ◆ Plug-in transmitter (1200XT) works with dynamic mics.

1200 Series UHF Wireless System

1200ABT 1200URX/AB with 1200BT and EX-503H. (Mfr # 1200ABT • B&H# AZ1200ABT)	CALL
1200ABS 1200URX/AB with 1200BT and ECM-44H. (Mfr # 1200ABS • B&H# AZ1200ABS)	CALL
1200ABX 1200URX/AB with 1200XT. (Mfr # 1200ABX • B&H# AZ1200ABX)	CALL
1200VMT 1200URX/VM with 1200BT and EX-503H. (Mfr # 1200VMT • B&H# AZ1200VMT)	CALL
1200VMS 1200URX/VM with 1200BT and ECM-44H. (Mfr # 1200VMS • B&H# AZ1200VMS)	CALL
1200VMX 1200URX/VM with 1200XT. (Mfr # 1200VMX • B&H# AZ1200VMX)	CALL
1200SiT 1200URX/Si with 1200BT and EX-503H. (Mfr # 1200SiT • B&H# AZ1200SiT)	CALL
1200SiS 1200URX/Si with 1200BT and ECM-44H. (Mfr # 1200SiS • B&H# AZ1200SiS)	CALL
1200SiX 1200URX/Si with 1200XT. (Mfr # 1200SiX • B&H# AZ1200SiX)	CALL
1200URX/AB True Diversity Receiver with Digital Display in Anton Bauer "Gold Mount" adaptor case, works directly from cameras battery. (Mfr # 1200URX/AB • B&H# AZ1200URXAB)	CALL
1200URX/VM True Diversity Receiver with Digital Display in V-Mount adaptor case, works directly from cameras battery. (Mfr # 1200URX/VM • B&H# AZ1200URXVM)	CALL
1200URX/Si True Diversity Receiver with Digital Display in Slot-In case for various Panasonic and Ikegami cameras. (Mfr # 1200URX/Si • B&H# AZ1200URX/Si)	CALL
1200BT Body-pack transmitter with Digital Display works with 1200URX/AB, 1200URX/VM and 1200URX/Si receivers. (Mfr # 1200BT • B&H# AZ1200BT)	CALL
1200XT XLR Plug-In transmitter with Digital Display and Phantom Power, works with 1200URX/AB, 1200URX/VM and 1200URX/Si receivers. (Mfr # 1200XT • B&H# AZ1200XT)	CALL

100 SERIES

256 Frequency UHF Wireless Mic System

The 100 Series was designed to operate with the new generation of DV/HDV camcorders, offering an ultra-compact receiver and modest cost, yet preserving the performance that has become the hallmark of Lectrosonics. Consisting of the UCR100 camera mountable receiver and the LM beltpack transmitter, the system is offered in nine different blocks each with 256 selectable frequencies over a 25.6 MHz band to avoid interference from local RF sources. The UCR100 receiver is highly sensitive with the result of exceptional operating range and freedom from drop outs with matching transmitters. Frequency selection is achieved via recessed rotary switches located on the side panel. An easy access audio output adjustment knob is located in the front panel.



FEATURES

- ◆ Ideal for compact DV/HDV camcorders.
- ◆ 256 selectable UHF frequencies.
- ◆ High sensitivity for extended range.
- ◆ Dual-band compandor.
- ◆ Ultra rugged tempered alloy antenna.
- ◆ 9v battery powered.
- ◆ Machined aluminum construction.
- ◆ Electrostatic powder coated and anodized finish.

100 Series Wireless UHF Lavalier Microphone Systems

- UCR100** Wireless Receiver—available in 9 frequencies (Mfr # UCR100* • B&H # LE100*)CALL
- UCR100** and **LM** Beltpack Transmitter—avail. in 9 frequencies (Mfr # 100LM* • B&H # LE100LM*)CALL
- UCR100** Receiver, **LM** Beltpack Transmitter and **M152** Lavalier Microphone —available in 9 frequencies (Mfr # 100LMK* • B&H # LE100LMK*)CALL
- UCR100** Receiver, **LM** Transmitter and **Tram TR-50** Lavalier Microphone (# LE100LMK2*)CALL
- UCR100** Receiver and **UH400** Digital Hybrid Plug-On Transmitter (Frequency Block 21) (Mfr # 100UH40021 • B&H # LE100UH40021)CALL
- 100 Series Deluxe Kit:** Includes 100 Series Wireless Lavalier System, UH400 Plug-In Transmitter, Tram TR-50 Omni-directional Microphone, EV RE50/B ENG Mic, System Case, Mic Flag and accessories —available in several frequencies (B&H # LE100LMED*)CALL

400 SERIES Digital Hybrid Wireless Systems



UCR411 Receiver, LM Beltpack Transmitter and M152 Omnidirectional Lavalier Microphone

Digital Hybrid Wireless (or 400 Series) combines digital audio with an analog FM radio link to provide outstanding audio quality and the extended operating range of the finest analog wireless systems. The process eliminates a compandor and its artifacts, and preserves the RF spectral efficiency of the optimized FM radio link. The design also overcomes channel noise, digitally encoding the audio in the transmitter and decoding it in the receiver, yet still sending the encoded information via an analog FM wireless link. In other words it is a technique which can be accomplished only in the digital domain, even though the audio inputs and outputs are analog signals. Digital Hybrid Wireless sets the benchmark for high end wireless mic systems. Using a patented design that combines digital audio with an analog FM radio link, it offers the best of both worlds - the exceptional quality of digital audio and the extended range of the finest analog wireless systems. Ideal for events theater, television, or corporate video, 400 Series products are also compatible with Lectrosonic analog systems, and most analog systems from other manufacturers.

LMa



Frequency-Agile Digital Hybrid UHF Beltpack Transmitter

The LMa combines an excellent feature set with superb performance in a classic Lectrosonics wireless belt-pack. It offers affordable Digital Hybrid Wireless technology while preserving superb performance and maximum flexibility. It features 256 synthesized UHF frequencies, DSP based pilot-tone signal and multi-mode compatibility with different hybrid and analog receivers. Best performance is achieved when used with a hybrid receiver, however, the DSP also provides emulation of an analog compandor so it can be switched for use with the UCR100 receiver.

- ◆ 24-bit digital audio combines with optimized FM to create unprecedented audio quality and RF performance. When matched with a digital hybrid receiver, it delivers full bandwidth, flat audio frequency response up to 20kHz with extremely low distortion.
- ◆ Servo bias input and 5-pin connector provides a programmable, regulated voltage to accommodate a wide variety of electret microphones and line level signal.
- ◆ Two 16-position rotary switches adjust the frequency of the transmitter over a 25.6 MHz bandwidth in 1.6 MHz or 100 kHz steps.
- ◆ Dual bicolor LEDs indicate four levels (-20, -10, 0, +10dB) for accurate gain adjustment.
- ◆ DSP-based pilot tone system generates one of 256 ultrasonic tones to ensure that the receiver remains muted (squelched) until it receives the pilot tone from the matching transmitter. Even when another RF signal is present, the receiver stays squelched.
- ◆ Housing and removeable belt-clip is machined aluminum, powder coated and laser engraved for ruggedness and legibility. The antenna is a super rugged flexible whip made of flexible galvanized steel.
- ◆ A digitally-controlled analog audio limiter features a range of over 30dB for excellent overload protection.
- ◆ Input gain is adjustable over a 43dB range to match the audio input level for optimum modulation, minimum distortion and maximum S/N ratio.
- ◆ Powered by a 9v (alkaline, lithium, LiPolymer) battery, the LMa provides over 50mW of RF output for extended operating range.

LMa: Available in 9 frequency blocks (21-29) (Mfr # LMA* • B&H # LELMA*)**Call**

M152 Lavalier Microphone for Lectrosonics Beltpack Transmitters

A highly sensitive omnidirectional lavalier mic featuring a wide frequency response that accentuates the presence and character of the human voice. Frequency response is measured at 20Hz to 20kHz with a slight rise around 10kHz, resulting in a brighter, more "airy" response. A low frequency dip around 50Hz reduces noise caused by proximity effect and ambiance. The omni-directional polar pattern provides a generous response at the direct and off-axis sections of the microphone capsule.



M152 Lavalier Microphone with TA5-F Connection (Mfr # M1525P • B&H # LEM1525P)**Call**

UM-400a • UM-450

Frequency-Agile Digital Hybrid UHF Beltpack Transmitters



Stepping up from the LMa, the UM-400A and UM-450 transmitters are powered by a single 9V battery and provide a full 100mW and 250mW (respectively) output for extended operating range. They also feature an adjustable low frequency roll-off (from 35Hz to 150Hz) to control the presence of extremely low frequency audio in the program material. For even better audio performance, their RF output stage includes a circulator/isolator to prevent IM products from occurring in the output amplifier. It allows the RF signal to be transmitted, but suppresses external RF signals from entering back into the output amplifier.

UM-400a Beltpack Transmitter: Available in 9 frequency blocks (21-29) (Mfr # UM400A* • B&H # LEUM400A*)**CALL**

UM-450 Beltpack Transmitter: Available in 9 frequency blocks (21-29) (Mfr # UM450* • B&H # LEUM450*)**CALL**

MM400C



Water-Resistant Digital Hybrid Wireless Miniature Transmitter

Very similar to the LMa and UM400a, the rugged and water resistant MM400C is powered by a single AA battery for over 4 hours, yet provides full 100mW output. Features 256 synthesized UHF frequencies, dual bi-color modulation LEDs for accurate gain adjustment and DSP based pilot-tone signal to eliminate squelch problems.

- ◆ Water resistant, rugged, machined aluminum housing with non-corrosive, superhard finish.
- ◆ 100mW output with an RF circulator/isolator in the output stage provides excellent operating range while eliminating intermodulation problems common in multi-channel environments.
- ◆ A watertight 2.5mm microphone plug includes a stainless steel sleeve and silicon tubing strain relief to prevent accidents.
- ◆ The two rotary switches located on the bottom to adjust the operation frequency are protected during use by an O-ring sealed door.
- ◆ An O-ring seal around the battery compartment cover prevents water or other liquids from entering. The waterproof Power On/Off switch further prevents moisture from entering the unit. This switch can also be programmed to mute the audio while leaving the unit powered.

MM400C: Available in 9 frequencies (Mfr# MM400C* • B&H# LEMM400C*)**CALL**

Digital Hybrid Wireless UHF Plug-On Transmitter

Compatible with 100 and 400 series receivers, the UH400A's DSP-base design



allows it to operate in its native Digital Hybrid Wireless mode, or in alternate modes that are compatible with analog receivers. The rugged UH400A converts wired XLR mics to wireless and offers selectable multi-voltage (5, 15 and 48v) phantom power allowing it to be used with any microphone, including high current condenser types. It features isolator protected output stage, DSP based pilot-tone signal, dual envelope input limiter, 256 synthesized UHF frequencies, 100 mW output and dual bicolor LEDs which indicate four different levels for accurate gain adjustment.

UH400A: Available in 9 frequencies (Mfr # UH400A* • B&H # LEUH400*).....**CALL**

SMA Series Digital Hybrid Wireless Super-Miniature UHF Transmitters

The SM Series brings Digital Hybrid Wireless technology to miniature transmitters in different configurations for essentially any lavalier wireless mic application. The tiny size of the single battery SMA model makes concealment easy, yet with a full 100mW output, it does not sacrifice performance. The dual battery SMDa model doubles the battery life of the SMA with the same feature set. The SMQa offers 250 mW RF output power to extend operating range and the unique RM provides hands-free remote control for all three models. Switching power supplies throughout the design allow long battery life with NiMH batteries.



- ◆ Ultra miniature, they set the standard for size, power, reliability and functionality in a transmitter. A drop bigger than two AA batteries, user controls are packed onto an easy to use control panel that includes LCD and membrane switches for adjusting operating frequency and modulation level.
- ◆ Splash-proof housings are machined aluminum, which is then plated with a superhard, non-corrosive coating.
- ◆ Digitally-controlled analog audio limiter for excellent overload protection.
- ◆ Servo bias input on the 5-pin connector automatically adjusts for electret microphones.
- ◆ Despite its tiny size, it provides a full 100mW output power with over 4 hours of operation on one AA NiMH battery. The addition of a second battery on the SMQa provides the additional power needed for 250mW of RF output and 7 hours of run time.
- ◆ GORE-TEX vent equalizes internal and external temperature
- ◆ Isolator protected output stage
- ◆ Adjustable low frequency roll-off can be set at 35, 50, 70, 100, 120 or 150Hz to control subsonic and low frequency audio content.
- ◆ DSP based pilot-tone signal to eliminate squelch problems.
- ◆ Bicolor LEDs for accurate gain adjustment.

SMA: Available in 9 frequencies (Mfr# SMA* • B&H# LESMA*)**CALL**

SMDa: Available in 9 frequencies (Mfr# SMDa* • B&H# LESMDa*)**CALL**

SMQa: Available in 9 frequencies (Mfr# SMA* • B&H# LESMA*)**CALL**

RM

Remote Control for SM Series Transmitters

The RM provides remote control of the SM series transmitters using an audible tone delivered to the microphone in the wireless system. Operating parameters on transmitter can be set by holding the speaker on the RM close to the microphone and pressing the pushbutton. A “dweedle” tone will play from the RM speaker into the microphone and the parameter on the transmitter will be set immediately. Adjustments can be made to set: audio input gain, frequency, lock or unlock modes and sleep mode (on/off). The flexible, intuitive interface on the RM makes setting these parameters quick and easy. The “dweedle” tones used to signal the transmitter are complex and can be detected in the midst of noise, yet they cannot be mistaken for the natural sound entering the microphone.



A single RM is capable of controlling any SM Series transmitter in any frequency block. Since it can simultaneously control multiple transmitters, the loudness of the tone is adjustable to suit different situations. With the volume turned up, changes can be made at a distance of up to 6’ from the microphone. The volume can also be turned down so that only microphones within a few inches of the speaker will pick up the tone.

RM Remote Control for Lectrosonics SM Series Transmitters (Mfr # RM • B&H # LERMQ)**CALL**

UCR-401 • UCR411A

Compact, Digital Hybrid UHF Wireless Microphone Receivers

The UCR401 is a high performance UHF wireless mic receiver for ENG and film production. Its compact size, battery and external power and rugged attached antennas make it ideal for on-camera use. Compatible with all 400 Series Digital Hybrid Wireless transmitters. Power is provided by two AA batteries (alkaline, NiMH), or external DC supplied via a jack on the rear panel.



The UCR411A provides professional performance and a versatile feature set in a compact design for field and location production. All settings are made from the front panel with a powerful LCD interface, making it ideal for use in Quad Paks, on sound carts, in portable bags and in rack mount multi-couplers. Auto-tracking front-end filters extend operating range in even the most congested RF environments. The UCR411A is powered with internal 9V batteries or external DC.

Both receivers feature SmartSquelch for noiseless muting and SmartDiversity for enhanced RF reception, DSP-based pilot tone squelch and balanced XLR output. To alleviate interference problems in an increasingly congested RF spectrum, they have a built-in RF spectrum analyzer. The receivers tune across the 25.6MHz tuning range and records RF activity with markers on the LCD screen. Finding clear operating frequencies is a quick, simple process.

- ◆ SmartSquelch and SmartDiversity advanced reception techniques minimize noise and dropouts in all conditions. The receiver differentiates between close and distant operation and adjusts the squelch threshold automatically. In environments with significant RF reflections, the diversity switching activity optimizes the antenna combining based upon an analysis of RF level and audio content.
 - ◆ Built-in RF spectrum analyzer scans the entire tuning range of the receiver and displays RF activity on their LCD. Signal strength of other signals in the vicinity is indicated and empty sections of the spectrum are quickly identified with the graphical display. The analyzer will scan the entire spectrum and display the results in 20 seconds.
 - ◆ Their machined aluminum housing and panels are surfaced with electrostatic powder coated and anodized finishes with laser etched markings to withstand the rigors of field production.
 - ◆ SmartNR (Noise Reduction) automatically allocates noise reduction by attenuating audio signal that match a calculated, statistical profile. The result enhances clarity and intelligibility while eliminating noise.
 - ◆ Stepping up, the front-end of the UCR411A consists of four transmission line resonators with variable capacitance applied to each resonator to retune it as the frequency is changed. The tuning range covers a full 25.6 MHz block of frequencies. The design provides tunable, narrow filtering as selective as most fixed frequency designs, with the overload performance of the best front-ends available. The result is extended range in even the most congested RF environments.
- UCR401:** 9 frequencies available (Mfr # UCR401A* • B&H # LE401*)**CALL**
UCR411A: 9 frequencies available (Mfr # UCR411A2* B&H # LE411A*)**CALL**

SR

Dual-Channel Slot-Mount ENG Receiver

A two-channel slot-mount Digital Hybrid Wireless diversity receiver, the SR features two independent channels and fits into the video camera slots found on professional cameras. The two audio channels can feed separate inputs or can be mixed internally to feed a single input. Offers two diversity modes: SmartDiversity reception is employed by independently combining antenna phase for each receiver channel. Alternately, the two channels can be used together in "True Diversity" Ratio mode as a single receiver. Graphic spectrum scanning provides quick and easy location of clear frequencies for interference-free operation.

- ◆ The SR's two receivers offer 256 frequencies each in one of nine available blocks, and operate with any of the 400 Series transmitters as well as monitor their battery strength.
- ◆ The SR is splash resistant—thanks to sealed membrane switches and LCD, along with a special gasket covering the slot opening.

- ◆ The SR can be used with slot-equipped Sony, Ikegami, or Panasonic cameras via optional connector kits. A stand-alone kit is also available that enables use out of the camera slot, powered from external DC, and provides two locking mini-XLR analog audio outputs.
- ◆ Receiver audio frequency response is 30 Hz to 20 kHz, S/N performance at the receiver output is 107dB before limiting.

SR (Mfr # SR* B&H # LESR*): Available in 9 frequencies.....**CALL**



VR FIELD Battery-Powered Modular Receiver System



A modular UHF design that operates with Digital Hybrid Wireless as well as analog transmitters, the VR Field Receiver system consists of a Venue Field Receiver (VRFIELD) and one to six plug-in receiver modules. VR Field offers a tremendous degree of flexibility. For example, each of the three pairs of receivers can be combined and used for ratio diversity or frequency diversity reception. Each individual receiver can be used by itself for phase switched diversity reception and both modes can be mixed in a single VR Field assembly.

The front panel has an easy-to-use LCD interface for setup, and provisions for quick monitoring to assist in troubleshooting. In normal operation, the LCD shows RF and audio levels, diversity status, pilot tone status (where applicable) and transmitter battery status (when available) for all six receivers at the same time. Individual screens for each receiver are also available to provide additional information and setup adjustments. A headphone jack and level control is provided for individual channel monitoring. An NP1-type battery mounts just below the LCD. The rear panel provides six XLR balanced audio outputs, 50 ohm BNC antenna inputs and outputs, power jack, USB and RS-232 ports. It is powered from an external source at 10 to 18V DC, allowing operation from a wide variety of sources in studio and mobile applications. (Mfr# VRFIELD* • B&H# LEVRF*)**2050.00**

Three Selectable Diversity Modes

SmartDiversity - microprocessor controlled antenna phase switching in 180° increments minimizes dropouts caused by multi-path reflections. Each receiver outputs a single audio channel, so the overall system can provide up to six channels per Venue Receiver.

OptiBlend - ratio diversity audio combining process mixes the audio outputs from two adjacent modules in a ratio controlled by the relative RF signal levels at the receivers. This method requires two receiver modules.

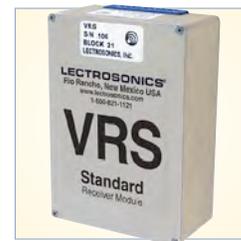
Frequency Diversity - automated redundancy process pairs 2 transmitters and two adjacent receiver modules, with each transmitter/rec pair tuned to a different frequency. In this mode the mics are positioned very close to each other to avoid comb filtering. The outputs of the receivers are mixed together in the same manner as the OptiBlend process, with the mix ratio controlled by comparing the RF levels in the two receivers. This eliminates interruptions caused by dropouts and failed batteries.

Receiver Modules

Two different receiver modules are available. Both are triple conversion, frequency synthesized UHF receivers controlled by the DSP in the VRM.

VRS (Standard) - fixed bandwidth front end design that is an excellent value and well suited to all but the most congested RF environments.

VRT (Tracking) - same as the VRS module but with the addition of advanced frequency tracking front-end filters. Excellent for congested and hostile RF environments. The receiver modules and VRM allow quick installation or changing offering the ultimate flexibility in the studio or the field.



WIRELESS KITS

Cables

- UCR401 Receiver and LM Body Pack Transmitter without Mic
(Available in 9 Frequencies) (Mfr# 401LMNM* • B&H# LE401LMNM*)**CALL**
- UCR401 Receiver, LM Body Pack Transmitter and M152 Lavalier Mic.
(Available in 9 Frequencies) (Mfr# 401LM* • B&H# LE401LMK*)**CALL**
- UCR401 Receiver and UM400 Body Pack Transmitter without Mic
(Available in 9 Frequencies) (Mfr# 401UM400* • B&H# LE401UM*)**CALL**
- UCR401 Receiver and SM Body Pack Transmitter without Mic
(Available in 9 Frequencies) (Mfr# 401SM* • B&H# LE401SM*)**CALL**
- UCR411A Receiver and LM Beltpack Transmitter without Mic
(Available in 9 Frequencies) (Mfr# 411ALNM* • B&H# LE411ALNM*)**CALL**
- UCR411A Receiver, LM Beltpack Transmitter and M152 Lavalier Mic
(Available in 9 Frequencies) (Mfr# 411ALM* • B&H# LE411ALM*)**CALL**
- UCR411A Receiver, MM400B Beltpack Transmitter and M152 Lavalier Mic
(Available in 9 Frequencies) (Mfr# 411AMM400C* • B&H# LE411AMM*)**CALL**

- PS-12 Power Cable:** Designed for powering portable wireless receivers from Betacam cameras. The cable measures 12" long and features coaxial and Hirose 7-4 pin connections. (Mfr # PS12 • B&H # LEPS12)**34.85**
- PS-212 Power Cable:** Power portable wireless receivers from Betacam cameras. The cable measures 12" long and features dual coaxial to single Hirose 7-4 pin connection. (Mfr # PS212 • B&H # LEPS212)**37.83**
- CT-CAM-9:** Right Angle DC to Hirose 4-Pin input cable to power receivers used on a Betacam camera. (Mfr # CTCAM9 • B&H # CACTCAM9) ...**48.00**
- CM-40:** Adapter cable designed to integrate dynamic mics with Lectrosonics bodypack transmitters featuring a TA5-male input connector. (Mfr # MC40 • B&H # LEMC40)**23.80**
- MC-35:** 37" line level cable with a 3-pin XLR-Fand TA5-F for adapting line level signal to Lectrosonics transmitters. (Mfr # MC35 • B&H # LEMC35)**26.78**

SAMSON AIRLINE MICRO

Ultra-Compact UHF Wireless Mic Systems

Using miniaturized circuitry and UHF frequency band, the Airline Micro Series, consisting of the the AL1 miniature transmitter and/or AX1 plug-in transmitter and AM1 receiver, is perfect for all video applications requiring outstanding audio and RF performance.

Mounting on the hot shoe of your camera or utilizing the belt clip, the AX1 features an audio out, a headphone out with level control for monitoring, a Mic/Line switch for optimized output, a power switch and a multi function LED displaying RF, low battery and power. Measuring just 2 x 1.6", the AX1 receiver can operate five to eight hours on a single AAA battery.



The **AL1** is a miniature transmitter with a built-in unidirectional electret condenser microphone providing sound quality suitable for interviews, presentation, documentary work etc. A sub-mini input allows use of an external lavalier mic and phantom power is provided for condenser microphones. Featured power and mute switches, input level control and a two-function LED display. The AL1 can operate for over 14 hours on a single AAA battery.

The **AX1** Plug-in transmitter converts wired dynamic microphones to wireless. The transmitter features an XLR female connection and is powered with a single AAA battery. The AX1 transmits via UHF frequencies resulting in greater operating range and minimal RF interference. Its lightweight and



compact design make it easy to use with bulky handheld microphones.

AL1 Transmitter with built-in microphone, Audio-Technica MT350 Lavalier Mic and AM1 Receiver in six selectable frequencies: (Mfr # SWAMSLU* • B&H # SAAMPU*)**269.95**

AX1 Plug-In Transmitter and AM1 Receiver in six selectable frequencies: (Mfr # SWAMSHXU* • B&H # SAAMPIU*) **269.95**

Combo System with AX1 Plug-In Transmitter, AL1 Transmitter with built-in mic and AM1 Receiver in six selectable frequencies: (Mfr # SWAMSALU* • B&H # SAAMCU*)**399.95**

EVOLUTION WIRELESS G2 SERIES

UHF Diversity Wireless Systems

Built with rugged metal housings, the Evolution Wireless G2 Series is constructed to survive the toughest performances – day after day. Available in the interchangeable 100 and 500 Series – each system is based on a compact, high performance UHF receiver, and comes with a choice of Evolution wireless handheld and bodypack transmitters. The 100 Series is an excellent choice for adding UHF wireless capabilities without sacrificing sound quality or ease of use, and is extraordinarily affordable. The 500 Series provides utterly professional performance.

- ◆ Evolution Wireless G2 Systems operate using switchable UHF frequency technology. 1440 digitally synthesized frequencies are instantly selectable in 25kHz increments, so it's easy to pick a wireless channel that's free of interference. Automatic frequency scan feature searches for available frequencies.
- ◆ Interference-free operation with the highest transmission reliability. Advanced diversity techniques receive the clearest signal at all times, as the on-camera receivers contain dual receiver circuits. Constantly comparing the two signals, the receiver selects the stronger one at any instant for an audio output that's solid and free of interference.



- ◆ Intuitive user menu and large, easy-to-read backlit LCD displays make systems simple to set-up and use. Frequency, channels, sensitivity and other parameters can be viewed and adjusted in an instant. For convenience, all components offer the same operating system.
- ◆ Absolutely reliable transmission and extended range due to high RF output power. In addition, unique HDX compander technology delivers crystal-clear sound. A noise suppression system, the HDX compander optimizes the mic's dynamic range while minimizing unwanted modulation and transmission noise. The result is powerful, dynamic sound quality, equal to a good wired microphone.

100 Series ENG Wireless Systems

Ideal for video recording in the most varied recording situations, the 100 Series is simply the most affordable way to get professional-caliber UHF wireless. It offers four switchable presets (reprogrammable to any of the 1440 available frequencies), and a true diversity receiver with a 1/8" unbalanced TRS mini output for quick connection to camcorders. The **EK100G2** receiver is made of a durable metal enclosure and features a full functional LED display.

The extremely small **SK100G2** bodypack transmitter has an identically designed enclosure as the receiver. It also features an LCD display and 4 preset memory locations, and has a 1/8" locking-mini input for compatible lavalier microphones. The **SKP100G2** plug-in transmitter allows any standard dynamic mic with a 3-pin XLR to be used wirelessly. It utilizes the same frequency band as the body-pack and is powered by 2x AA batteries or optional Sennheiser BA2015 accupack.

The bodypack and plug-on transmitter as well as camera receiver feature nine frequency banks with four directly accessible presets each – ready for immediate use.

- ◆ Mute function and pilot tone squelch for eliminating RF interference when transmitter is turned off
- ◆ Receiver features user-friendly menu operation via backlit display
- ◆ Lock function avoids accidental changing of settings
- ◆ Transmitter and receiver feature "Low Battery" indicators

500 Series ENG Wireless Systems

Offering the ultimate in performance, the state-of-the-art 500 Series steps up with twenty switchable presets, assignable alphanumeric names for each of the 20 presets, adjustable headphone output on the receiver (for monitoring), and extensive metering including battery telemetry.

The **EK500G2** camera mountable UHF receiver is made of a durable metal enclosure and features a full functional LED display. It features a 1/8" unbalanced TRS mini output for complete compatibility with camcorders. Twenty preset memory locations can be reassigned to any of the 1,440 available frequencies, within the 32 MHz tuning range. The EK500G2 will operate up to 8 hours on two AA batteries.

The **SK500G2** body-pack transmitter features an identically designed enclosure as the receiver. It also features LCD display and 20 preset memory locations. The transmitter features a 1/8" locking-mini input for compatible lavalier microphones.

The **SKP500G2** plug-in transmitter allows any mic with a 3-pin XLR to be used wirelessly. +48v phantom power is supplied, enabling the use of both dynamic and condenser microphones.

- ◆ Transmitter battery status telemetry on all models
- ◆ Audio signal metering on transmitter LCD display
- ◆ External charging contacts on 500 series bodypacks

EVOLUTION WIRELESS G2 SERIES

Evolution G2 100 Series

100 Series Camera Mountable UHF Lavalier Wireless Systems

Includes **EK100G2** Receiver, **SK100G2** Bodypack Transmitter and **ME-4** Lavalier Cardioid Microphone:

Channel Set A 518-554MHz (Mfr # EW122PG2-A • B&H # SEEW122PG2A).....**549.00**
Channel Set B 626-662MHz (Mfr # EW122PG2-B • B&H # SEEW122PG2B).....**549.00**

Includes **EK100G2** Receiver, **SK100G2** Bodypack Transmitter and **ME-2** Lavalier Cardioid Microphone:

Channel Set A 518-554MHz (Mfr # EW112PG2-A • B&H # SEEW112PG2A).....**549.00**
Channel Set B 626-662MHz (Mfr # EW112PG2-B • B&H # SEEW112PG2B).....**549.00**

100 Series Camera Mountable UHF Handheld Wireless Systems

Includes **EK100G2** Receiver and **SKM100G2** Handheld transmitter with **MD835** Microphone Head

Channel Set A 518-554 MHz (Mfr # EW135PG2-A • B&H # SEEW135PG2A).....**499.00**
Channel Set B 626-662MHz (Mfr # EW135PG2-B • B&H # SEEW135PG2B).....**549.00**

100 Series Camera Mountable UHF Wireless Combo Systems

Includes **EK100G2** Receiver, **SKP100G2** Plug-On Transmitter, **SK100G2** BodyPack Transmitter and **ME2** Microphone

Channel Set A 518-554MHz (Mfr # EW100ENGG2-A • B&H # SEEW100ENG2A).....**699.00**
Channel Set B 626-662MHz (Mfr # EW100ENGG2-B • B&H # SEEW100ENG2B).....**699.00**

Same as above, plus it adds **Electro Voice RE50/B** Omni-directional ENG Mic (Black), 2.25" Square **Mic Flag** (Black), **Storage Case** and **Cables**

Channel Set A 518-554MHz (B&H # SEEW100EBAK)**869.00**
Channel Set B 626-662MHz (B&H # SEEW100EBBK)**869.00**

Same as above, plus it adds **Voice Technology VT-500** Lavalier Mic

Channel Set A 518-554MHz (B&H # SEEW100EDAK)**1079.00**
Channel Set B 626-662MHz (B&H # SEEW100EDBK)**1079.00**

100 Series Camera Mountable UHF Dual Kits

Includes **EW100 G2** Combo System, **EW100 G2** Lavalier System, Hot shoe extension, **EV RE50/B**, **Storage Case** and **Cables**

Channel Set A 518-554MHz (B&H # SEEW100DBAK)**1379.00**
Channel Set B 626-662MHz (B&H # SEEW100DBBK)**1379.00**

Same as above, plus it adds Voice Technologies **VT500** Lavalier Mic

Channel Set A 518-554MHz (B&H # SEEW100DDAK).....**1799.00**
Channel Set B 626-662MHz (B&H # SEEW100DBBK).....**1799.00**

Evolution G2 500 Series

500 Series Camera Mountable UHF Wireless Plug-In Transmitter System

Includes **EK500** Receiver and **SKP500** Plug-In Transmitter

Channel Set A 518-554MHz (Mfr # EW501PG2-A • B&H # SEEW501PG2A)....**924.95**
Channel Set B 626-662MHz (Mfr # EW501PG2-B • B&H # SEEW501PG2B)....**924.95**

500 Series Camera Mountable UHF Wireless Combo Kit

Includes **EK500** Receiver, **SK500** Body-Pack Transmitter, **ME2** Lavalier Microphone and **SKP500** Plug-In Transmitter

Channel Set A 518-554MHz
(Mfr # EW500ENGG2 - A • B&H # SEEW500ENG2A)**999.95**

Channel Set B 626-662MHz
(Mfr # EW500ENGG2 - B • B&H # SEEW500ENG2B)**1089.95**

500 Series Camera Mountable UHF Lavalier Wireless Systems

Includes **EM500G2** Receiver, **SK500G2** BodyPack Transmitter and **MKE2-EW** Gold Lavalier Microphone

Channel Set A 518-554 MHz
(Mfr # EW512P/MKE2-EW GOLD -A • B&H # SEEW512PMK2A).....**1188.50**

Channel Set B 626-662MHz
(Mfr # EW135PG2 - B • B&H # SEEW135PG2B)**549.00**

500 Series Components

EK500G2: Camera Mountable UHF Receiver (specify Channel A or B)
(Mfr # EK500G2* • B&H # SEEK500G2*)**724.50**

SK500G2: Body-Pack Transmitter (specify Channel A or B)
(Mfr # SK500G2* • B&H # SESK500G2*)**473.50**

SKP500G2: Wireless Plug-In Transmitter (specify Channel A or B)
(Mfr # SKP500G2* • B&H # SESKP500G2*)**465.95**

BA2015G2 Rechargeable Battery Pack An ACCUPACK rechargeable battery pack for the EW G2 bodypack transmitters. It contains two rechargeable NiMH cells and is used in place of AA batteries. It features an integrated sensor which indicates the battery status and monitors temperature during recharging. The matching charger recharges the batteries either directly or - for the 300 Series and above - while they are still inside the bodypack transmitter/receiver. Requires the L2015G2 quick charger (Mfr # BA2015G2 • B&H # SEBA2015G2)**72.50**

L2015G2 Quick Charger: Automatically recharges 2 BA2015G2 battery packs. The packs are inserted directly into the charger or remain in the bodypack transmitters. Requires the NT-120 AC adapter.
(Mfr # L2015G2 • B&H # SEL2015G2)**137.95**



UWP SERIES

Low-Cost UHF Synthesized Wireless Microphone System

New and improved, UWP series components have been upgraded with rugged and durable metal construction, along with several other significant improvements. New features include extended operating time, auto channel scanning on the receiver, mic/line input selection on the body-pack transmitter, a newly designed smaller lavalier mic and newly designed handheld mic; both with improved sound quality. Most low-cost wireless systems usually lack in transmission stability and have noise problems that are overlooked. The ideal solution for budget-conscious users looking for rock-solid transmission, the UWP Series incorporates sophisticated wireless technologies including PLL-synthesized system, space-diversity reception and a tone squelch function. No matter the application, the UWP Series delivers the convenience of non-compromised wireless microphone operation at a affordable price. Components include a lavalier/bodypack transmitter, a wireless handheld mic, plug-in transmitter, and a portable tuner (receiver).



FEATURES

- ◆ PLL Synthesized System used in the transmitters and tuners achieves solid transmission and reception by using a stable carrier signal to avoid interference with other frequency channels and to allow the selection of a preferred channel from multiple frequencies (188). The PLL-controlled system provides highly stable, user-selectable frequencies in increments of 125 kHz.
- ◆ Space Diversity Reception System used in the UWP tuner (receiver) reduces signal dropout to a minimum. Achieves stable reception by using dual-antenna inputs/reception circuits that receive signals over two different paths and selects the stronger RF signal for output.
- ◆ Tone Squelch Circuitry prevents the output of unwanted signals or noise from other signal transmissions in the air, as well as the RF noise and popping noise that occur when the transmitter is powered on or off.
- ◆ Components – the bodypack and plug-on transmitters, handheld mic and portable receiver– utilize an extremely robust metal chassis, which is ideal for heavy-duty wireless operations. The metal body also allows for an extremely compact and lightweight design, providing the high level of mobility required for ENG and EFP operations.
- ◆ The transmitters and tuners incorporate groups of intermodulation-free preprogrammed frequencies. By selecting from these frequency groups, users can quickly and easily operate up to 16 wireless mics simultaneously.

UTX-B2V Bodypack Transmitter

- ◆ Extremely compact, lightweight and robust metal body. Measures 2½ x 3¼ x 3/4" excluding the antennas. Only 5.1 oz. with batteries.
- ◆ Switchable MIC/LINE input level and adjustable attenuator: 0 to 21 dB, 3-dB steps.
- ◆ Equipped with a 3-pole mini-jack connector with lock mechanism.
- ◆ Includes a newly-developed miniature metal body omnidirectional lavalier microphone, a mic wind-screen, mic and belt clip.



Bodypack and Handheld Transmitters both Feature

- ◆ Selectable RF-output level: 5 mW for simultaneous multi-channel operation: 30 mW for long-distance transmission.
- ◆ Attenuator function allows adjustment of the mic-input level to suit each user's voice: 0 to 21 dB, 3-dB steps
- ◆ 8 hours operation on two AA batteries.
- ◆ LCD screen displays the operating channel number and its frequency in MHz, attenuator level, RF-output level (High/Low), audio-input and RF-output status, transmitter- battery status and accumulated operating time.

UTX-H2 Handheld Microphone



- ◆ Compact, lightweight, robust metal body: 2 x 10", 11 oz. with batteries
- ◆ Incorporates a uni-directional dynamic mic capsule that minimizes popping and wind noise
- ◆ Supplied with a microphone holder

UWP SERIES

UTX-P1 Plug-on Transmitter



The UTX-P1 converts a wired microphone to a wireless mic via an XLR connector. This makes the convenience of uncompromised wireless operation very affordable.

Designed for use with the URX-P2 receiver, the UTX-P1 is extremely durable and is well balanced for use with dynamic microphones. It accepts line-level audio input signal as well. Includes a soft case.

- ◆ Converts a wired mic to a wireless microphone via an XLR connector.
- ◆ Compact, lightweight, and robust metal body, providing great balance when handling.
- ◆ Durable connecting mechanism with a mic for dependable operation.
- ◆ Switchable MIC/LINE input level.
- ◆ 50-mW RF output power for stable and long-distance transmission.
- ◆ Attenuator function allows adjustment of the mic input level: 0 to 21 dB, 3-dB steps.
- ◆ Backlit LCD with an extensive information display including: operating channel number and its frequency in MHz, attenuator level, audio input status, RF output status, transmitter battery status, and accumulated operating time.
- ◆ Up to six hours of continuous operation on two AA batteries.

URX-P2 Portable Tuner (Receiver)



- ◆ The URX-P2 has a convenient auto channel scanning function that allows fast, easy, and safe frequency channel changes. Automatically detect unoccupied channels, allowing operators easily to select the most appropriate channel to use.
- ◆ LCD screen shows operating channel number and its frequency in MHz, audio output status, RF input level, receiver battery status, and accumulated operating time.
- ◆ Runs for six hours on two AA batteries.
- ◆ Angle-adjustable antennas eliminate signal dropout and allow mounting position flexibility on a camcorder.
- ◆ Compact, lightweight, and robust metal body. Measures 2½ x 4¼ x 7/8", weighs 7.2 oz with batteries.
- ◆ Space diversity reception system for stable RF reception.
- ◆ Equipped with a stereo mini-jack with monitor volume control.
- ◆ Supplied with a shoe-mount adapter, belt clip, output cables (3-pole locking mini plug/XLR-type, 3-pole locking mini plug/stereo mini plug).
- ◆ RF squelch function virtually eliminates ambient noise and unwanted signals from other wireless microphone systems.

Sony offers the UWP Series with three packages – the UWP-V1, UWP-V2, UWP-V6 – for a high level of stability, mobility, robustness, and operational convenience. Each package includes a microphone, transmitter and tuner, for a ready-to-go system straight out of the box. Each package has been carefully compiled to address almost any application — from video production and A/V presentations, to live performance and electronic news gathering. (UWP Series packages are available in two alternative channel blocks “3032” (UHF-TV channels 30, 31, 32 and 33) 566 MHz to 590 MHz or “4244” (UHF-TV channels 42, 43, 44 and 45) 638 MHz to 662 MHz.)



UWP-V1 Lavalier System

Suitable for a wide range of applications, from news gathering and interviews to talk shows and conferences, the UWP-V1 system includes an omni-directional lavalier mic supplied with a windscreen and mic holder clip, a bodypack transmitter supplied with a belt clip, and the URX-P2 portable receiver. The receiver includes a belt clip, shoe mount adapter, plus two alternative audio output cables (3-pole mini-plug/XLR or 3-pole mini-plug/stereo mini-plug).

UWP-V2 Handheld System

Suitable for news gathering and for use in PA systems, the UWP-V2 is supplied with a uni-directional dynamic handheld mic transmitter, mic holder and URX-P2 portable receiver. The receiver includes a belt clip and shoe mount adapter, plus two alternative audio output cables (3-pole mini-plug/XLR or 3-pole mini-plug/stereo mini-plug).

UWP-V6 Combo System

The UWP-V6 is a combination package (two transmitters and one receiver). It includes omni-directional lavalier microphone with windscreen, lav mic holder, bodypack transmitter with belt clip, plug-on transmitter and the URX-P2 portable receiver. The receive includes a belt clip and shoe mount adapter, plus two alternative audio output cables (3-pole mini-plug/XLR or 3-pole mini-plug/stereo mini-plug).

- UWP-V1 Package (Mfr # UWP-V1/3032 • B&H # SOUWPV13032).....499.95
- UWP-V1 Package (Mfr # UWP-V1/4244 • B&H # SOUWPV14244).....499.95
- UWP-V2 Package (Mfr # UWP-V2/3032 • B&H # SOUWPV23032).....499.95
- UWP-V2 Package (Mfr # UWP-V2/4244 • B&H # SOUWPV24244).....499.95
- UWP-V6 Package (Mfr # UWP-V6/4244 • B&H # SOUWPV64244).....699.95
- UWP-V6 Package (Mfr # UWP-V6/3032 • B&H # SOUWPV63032).....699.95

WL-800 SERIES

UHF Synthesized Wireless Microphone System

Featuring low noise, wide audio dynamic range, stable RF transmission and reception, and high reliability, the WL-800 family offers a solution to virtually any wireless microphone application from the very simple to the most sophisticated. Offering a broad range of choices, the series presents a solution to virtually any wireless microphone application including broadcasting and production, ENG and EFP location, conference and entertainment, TV studio production, theater, and live performance to name just a few. A variety of options are also available

FEATURES

- ◆ Transmitters and receivers employ Phase Locked Loop (PLL) frequency synthesized systems ensuring carrier stability and providing easy access to multiple frequencies.
- ◆ Dual antenna inputs and reception circuits receive signals over two different paths and select the stronger signal as the output. This switching operation is undetectable on the audio output of the receivers.
- ◆ Optimum combinations of calculated and practically tested intermodulation-free frequencies are stored in each receiver to make it easy to choose the correct frequencies for simultaneous multi-channel operation.
- ◆ A compander (compressor/expander) system is included for improved audio dynamic range and low noise and interference. This ensures minimized noise level while providing smooth and superb audio quality.
- ◆ All wireless units employ Helical, Ceramic and/or SAW (Surface Acoustic Wave) filters as appropriate. This offers stable reception and superb audio quality, and also enables their unique miniaturization.
- ◆ The transmitters also transmit a 32.768 kHz pilot-tone signal along with the audio signal. This squelch function prevents the output of unwanted signals or noise from other signal transmissions in the air, as well as the RF noise and popping noise that occur when the transmitter is power on or off.
- ◆ Most receivers and transmitters feature easy-to-read LCD panel and LED indicators, which provide extensive information on the operating conditions. Most receivers display the RF-input level, audio-output status, current channel number and frequency, and battery status of the transmitter.
- ◆ For added assurance users can monitor the battery reserves of handheld, body pack and plug-on transmitters.
- ◆ A DC-DC convert circuit built into the power supply section of microphones/transmitters assures consistent output power over the life of the batteries.
- ◆ Each unit has a memory back up for storing operating frequencies. When the power switch is turned on, the previous channel setting is automatically recalled and displayed.

WRT-847B UHF Synthesized Transmitter Unit

The WRT-847 accepts a variety of optional mic capsules, providing a choice of characteristics to suit a range of different applications. (One head is required for it to function). The CU-F780, CU-G780 and CU-E700 capsules are designed for vocal and speech applications in broadcasting, live music performances and concert halls.



The CU-E672 is designed for news gathering, sports events and interviews. The CU-F117 for interview applications. Each features PLL frequency synthesized circuitry for highly stable operation and an easy-to-read LCD screen.

- ◆ Five optional mic capsules provide a choice of characteristics to suit a range of applications.
- ◆ Selectable RF output level: 10mW for simultaneous multi-channel operation and 50 mW for long distance operation.
- ◆ Lockable external power switch (ON/OFF).
- ◆ Audio compander time constant is switchable to suit different capsules.
- ◆ Audio gain and attenuation setting from +9 dB to -12 dB in 3 dB steps.
- ◆ Two AA batteries provide eight hours of continuous operation.

WRT-847B Modular Handheld Wireless Transmitter in Channels:

42/44 (Mfr # WRT847B4244 • B&H # SOWRT847B42).....	880.00
30/32 (Mfr # WRT847B3032 • B&H # SOWRT847B30).....	880.00
CUF-780 Supercardioid Handheld Dynamic Microphone Capsule (SOCUF780)	275.00
CUF-117 Omnidirectional Handheld Dynamic Capsule (Mfr # CU-F117 • B&H # SOCUF117)	375.00
CUE-700 Supercardioid Shotgun Condenser Capsule (Mfr # CU-E700 • B&H # SOCUE700)	480.00
CUG-780 Supercardioid Handheld Dynamic Mic (Mfr # CU-G780 • B&H # SOCUG780).....	580.00

WL-800 SERIES

WRT-807B

Wireless Microphone Transmitter

The WRT-807B uses the same dynamic mic capsule employed in the F-780 professional wired microphone. Offers high quality sound for vocals – powerful, crisp and clear. Runs five hours on a single AA battery.



CH-42/44 (Mfr # WRT807B4244 • B&H # SOWRT807B42)

CH-30/32 (Mfr # WRT807B3032 • B&H # SOWRT807B30)

Lavalier Microphones

ECM-44BC: Omni-Directional Lav Mic with 4-Pin Connector (Mfr# ECM-44BC • B&H# SOECM44BC)

ECM-66BC: Unidirectional Lavalier Mic (Mfr# ECM-66BC • B&H# SOECM66BC)

ECM-77BC: Omnidirectional Lav Mic with 4-Pin Connector (Mfr# ECM-77BC • B&H# SOECM77BC)

ECM-88BC: Miniature Omni-Directional Lav Mic with 4-pin Hirose Connector for Bodypack Transmitters (Mfr# ECM-88BC • B&H# SOECM88BC)

ECM-166BC: Unidirectional Lav Mic with SMC9-4P Connector for Use with Sony Wireless Transmitters (Mfr# ECM-166BC • B&H# SOECM166BC)

WRT-8P Plug-in Transmitter



The WRT-8P converts a wired mic with XLR connector to a wireless mic. Compact lightweight metal body provides good balance and high durability. Selectable 50 mW RF output or 250mW for stable long-distance transmission. +48v power supply capability.

Switchable mic/line input level. Attenuator function allows adjustment of the audio-input level. Backlit LCD provides extensive information. Optimized balance when combined with the F-112 dynamic mic.

CH-42/44 (Mfr # WRT8P4244 • B&H # SOWRT8P42)

CH-30/32 (Mfr # WRT8P/3032 • B&H # SOWRT8P30)

WRT-822B Beltpack Transmitter

The WRT-822B provides stable RF performance and high audio quality (with 188 selectable frequencies) in a compact (2.5 x 4.13 x 1.13"), lightweight magnesium alloy body. Runs 6-hours on two AA batteries, has a 20mW RF power output and accepts lavalier mics equipped with a Sony 4-pin connector (SMC9-4P). Easy-to-read LCD shows channel number, attenuator, RF and AF condition, battery status and accumulated operating time. Audio attenuation setting from 0dB to -21dB in 3dB steps. Low-battery alarm transmitted to compatible receivers. Includes low profile 1/4 wave length antenna and leather case.

Channels 42/44 (Mfr # WRT822B4244 • B&H # SOWRT822B42)**775.00**

Channels 30/32 (Mfr # WRT822B3032 • B&H # SOWRT822B30)**775.00**



WRT-8B Beltpack Transmitter

The WRT-8B provides stable RF performance and high audio quality (with 188 selectable frequencies) in a compact lightweight magnesium alloy body. It runs 13-hours on two AA batteries and has a selectable 50mW output for long-distance transmission or 10mW for multi-channel simultaneous operation. It has a switchable input level (LINE or MIC level) and attenuator level control knob. It accepts the output of professional lavalier mics equipped with a Sony 4-pin connector (SMC9-4P). The comprehensive LCD displays operating channel/frequency, AF input level, RF output level battery status and operating time. A battery warning LED flashes approximately 1 hour before the battery is exhausted.

Channels 42/44 (Mfr # WRT8B4244 • B&H # SOWRT8B4244)**1850.00**

Channels 30/32 (Mfr # WRR855B30/32 • B&H # SOWRT8B3032)**1850.00**



WRR-862B

UHF Synthesized Dual Diversity Receiver

Compact and lightweight (14 oz. with batteries), the WRR-862B receives two independent RF signals simultaneously on two separate channels. Two Sony 4-pin (SMC9-4S) audio output connectors are provided on the top panel. Powered via internal battery or on external power from Sony camcorders via the supplied cable. LED starts flashing one hour before the battery is exhausted. Switchable RF squelch levels: ON (5 dBμ, 10 dBμ, 15 dBμ) or OFF. Stereo mini jack for monitoring the output sound (switchable: Tuner 1/Tuner 2/Mixed) with headphones. Also available in a single channel version (WRR-861B).

WRR-855S

UHF Synthesized Diversity Receiver

Camera-mountable receiver, the WRR-855S (11 oz.) easily mounts onto Sony HDCAM, Digital Betacam or XDCAM camcorders without need for audio/power cables or a mounting adapter. LCD provides various information such as RF input level and audio output status.



DIGITAL WIRELESS MIC SYSTEM

A breakthrough in wireless microphone technology, Sony's fully digital wireless microphone system provides a new level of sound quality and operational convenience—perfectly complementing today's high definition video production. Comprised of the DWT-B01 bodypack transmitter, DWR-S01D slot-in type two-channel receiver, and DWA-01D adapter, the system provides excellent-quality digital wireless audio transmission, large-scale, multi-channel operation, and enhanced system flexibility – a perfect match for high-quality ENG/EFP applications. Transmission of excellent quality 24-bit/48-kHz sampling digital audio signals is realized on the DWT-B01 transmitter. The audio codec used in the system was developed specifically for wireless audio transmission, enabling the low-latency, secure, and reliable operation that is mandatory for quality-critical applications. Further, the system offers a metadata-handling capability that provides highly innovative full-wireless remote operations between the transmitter and receiver, dramatically improving operational efficiency.

With its excellent audio quality, system flexibility, and operational efficiency, the Sony digital wireless microphone system opens up a whole new world of professional audio applications.



DWT-B01 Transmitter

DWR-S01D Receiver

FEATURES

High Quality Wireless Transmission

Transmits high-quality 24-bit/48-kHz sampling digital audio signals in a specific frequency bandwidth that meets the wireless-communication regulations of each country. Utilizing an original Sony codec, the system delivers a wide dynamic range of more than 106dB, a wide frequency response of 20Hz to 20kHz, and an excellent system latency of 3.6ms.

Multi-channel Operation

The digital wireless transmission technology used in this system enables a significant increase in the number of simultaneous digital wireless systems in comparison with current analog wireless systems. For example, up to 12 channels of simultaneous operation is possible on a 6-MHz bandwidth TV channel in the USA.

This system also provides the option of using existing WL-800 series channel plans. In this configuration, the digital wireless system reliably operates along with WL-800 series analog wireless systems, without concern for having analog and digital wireless systems interfering with each other.

Stable and Secure Transmission

It transmits digitally modulated and encrypted data to minimize the risk of interception, providing highly secure transmission. For secure and confidential communication, there are two communication modes.

Frequency Groups

To make it easy to choose the correct frequencies for simultaneous multi-channel operation, the optimum frequencies are stored on each DWR-S01D receiver. These frequencies – all of which have been calculated and tested – are arranged in groups, with each group pre-programmed to allow interference-free operation.

Metadata Transmission

In addition to audio signals, a variety of information about the DWT-B01 transmitter – such as audio input peak level, battery capacity and attenuator level – can be wirelessly transmitted to the receiver as metadata. This allows users to monitor the status of the transmitter from the receiver, offering high operational convenience.

USB Interface

The DWT-B01 transmitter and DWR-S01D receiver are equipped with a USB interface. This is used to connect a USB keyboard, from which users can easily change a variety of settings. In addition, by connecting the transmitter and receiver directly to each other via the supplied USB cable, the encryption keys required for confidential peer-to-peer communication can be exchanged manually or automatically.

Full Dot-matrix OLED (Organic Light-Emitting Diode) Display

The DWT-B01 transmitter and DWR-S01D receiver come equipped with an easy-to-see OLED display, providing a variety of information such as operating channel/frequency, AF input level, RF output level, and battery status. The quick response of the OLED display enables real-time operating conditions, such as the audio level meter, to be displayed clearly and accurately. In addition, the OLED provides a high level of visibility even in low-temperature or low-light environments.

DIGITAL WIRELESS MIC SYSTEM

DWT-B01

Digital Wireless Transmitter

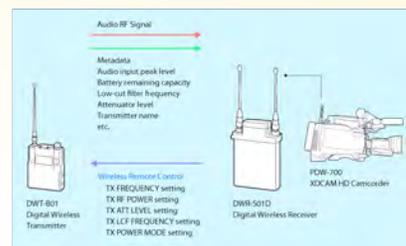
- ◆ Extremely compact and lightweight, the transmitter measures 2½ x 2½ x 11/16" and weighs just 4 oz. including the battery. In addition, its robust die-cast magnesium body allows it to withstand even harsh operational environments.
- ◆ Covers an extremely wide RF carrier frequency range.
- ◆ Audio input level of the transmitter is selectable from either Mic or Line. When Mic is selected, the attenuator can be adjusted in 3-dB steps from 0 dB to 48 dB. The reference input level of the Mic and Line is -58 dBu (-60 dBV) and +4 dBu, respectively.
- ◆ Equipped with a digital low-cut filter, the DWT-B01 can reduce the effects of undesired ambient noise.
- ◆ It is equipped with a power sleep/wake up mode that can be wirelessly controlled from the DWR-S01D receiver. Wherever the transmitter is attached – for example, inside an actor's costume – the operator can remotely control the transmitter's power on and sleep settings, increasing operational convenience and battery savings.

Innovative Wireless Remote Control

Wireless remote control capability of the Sony digital wireless microphone system is one of the most distinctive features that digital transmission technology has made possible. A variety of DWT-B01 transmitter settings – such as power on/sleep, low-cut filter frequency, attenuator level, and RF power output level – can be wirelessly controlled from the DWR-S01D receiver.

This is highly convenient because setting changes can be made easily even after the transmitters are attached to an actor or reporter.

Furthermore, when the DWR-S01 receiver is used with the PDW-700 XDCAM HD camcorder, users can monitor the status of the digital wireless microphone system through the camcorder's viewfinder. They can also wirelessly control the settings of the DWT-B01 transmitter via the camcorder menu. This wireless control makes use of 2.4GHz IEEE802.15.4 communication technology, which is available worldwide. In no way does this affect the audio RF signals of either the digital or analog wireless microphone systems. In addition, it is ideal for large-scale multi-channel system management, and is effective for low power consumption.



- ◆ Can be operated with either alkaline, lithium, or NiMH batteries. The transmitter can run for four hours when using two AA alkaline batteries at 25° C and 10 mW output power.
- ◆ Provides a choice of RF output power: 1 mW and 10 mW output is suitable for multi-channel operations such as studio productions, while the 50 mW output is intended for long-distance transmissions such as sports and news coverage.

LAVALIERS MICROPHONES

ECM-44BC Omni-Directional Mic



The ECM-44BC offers exceptional quality for budget conscious productions, and a variety of sound reinforcement requirements, such as lectures and demonstrations. With a mic head measuring 0.59 x 0.34", the ECM-44BC reduces the visual distraction to the audience.

ECM-77BC Omni-Directional Mic



Designed for broadcasting, the ECM-77BC has a miniature profile that allows it to be easily concealed. Mic head measures .05 x .25"; weighs just .05 oz. Includes two holder clips (single/horizontal and single/vertical type) metal-mesh wind screen, and a mic case.

ECM-166BC Uni-Directional Mic

The ECM-166BC is a uni-directional electret condenser lavalier with a 100Hz to 10kHz frequency response, a 3.9' cable and a 4-pin (SMC9-4P) connector. It is resistant to howling by rejecting indirect sound, and is ideal for speeches, lectures and conferences. Extreme durable black finish. Includes a windscreen. Mic head measures 1/2" x 15/16"; weighs 12 oz.



ECM-88BC Omni-Directional Mic

An ultra-miniature mic (0.14 x 0.14 x 0.66") with a rectangular dual-diaphragm mechanism that allows a significant reduction in handling noise and natural-looking concealment on stage or camera. Water-resistant design repels the elements and sweat. Flat and wide frequency response of 20Hz to 20kHz. Includes horizontal clip, a vertical clip, a urethane windscreen and case.

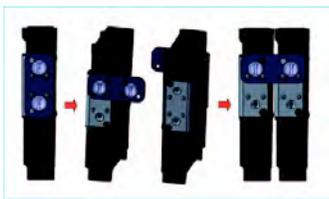


DIGITAL WIRELESS MIC SYSTEM

DWA-01D

Digital Wireless Adapter

- ◆ The DWA-01D adapter allows the DWR-S01D receiver to be rear-mounted on a range of Sony professional camcorders, such as HDCAM, XDCAM, XDCAM HD and Digital Betacam camcorders. In addition, the DWA-01D adapter can be used with the WRR-855S/855A/855B analog wireless receiver (with optional mounting bracket).
- ◆ In addition to the camcorder mount operation, the DWR-S01D receiver with DWA-01D adapter can also work as a stand-alone wireless receiver. (Requires DC power supply from a connected unit via a 4-pin connector). This, in combination with a digital audio mixer such as the Sony DMX-P01, allows users to establish a compact, handy, and digital wireless mic system.
- ◆ The DWA-01D adapter is equipped with a joint bracket that allows two DWA-01D adapters to be easily combined. This is particularly convenient for when two pairs of the DWR-S01D receiver and DWA-01D adapter are used at the same time as a stand-alone four-channel receiver system.



- ◆ The DWA-01D adapter comes equipped with a wide range of interfaces optimized for diverse operational needs:
 - SMC9-4S (Sony 4-pin) (x 2): Outputs either AES/EBU or analog audio signals.
 - Word Sync input: Allows the digital wireless microphone system to synchronize with an external word sync signal.
 - Stereo headphone output: Offers easy monitoring of the output sound (switchable among Tuner 1/Tuner 2/Mixed).

DWR-S01D Digital Wireless Receiver

- ◆ Industry-first two-channel digital wireless receiver that offers an ideal solution for high-quality ENG and EFP applications.
- ◆ Despite its dual-channel receiver capability, the DWR-S01D receiver is small enough to be mounted directly in the slot of XDCAM HD camcorder, maintaining the well-balanced design and compactness of the camcorder. Through the direct mount, high-quality digital audio transmitted from a DWT-B01 transmitter can be recorded directly to the camcorder via a D-sub 15-pin interface without the need for any signal conversions.
- ◆ In addition to the slot-in capability for the PDW-700 XDCAM HD camcorder, the DWR-S01D receiver can be rear-mounted to a range of Sony professional camcorders – such as the HDCAM and Digital Betacam series camcorders – using the DWA-01D adapter. When used with a camcorder that has AES/EBU inputs, full-digital audio recording is also possible.
- ◆ Despite having a number of stunning functionalities, such as its dual channel receiver capability, the DWR-S01D is still highly compact and lightweight – just like Sony's WRR-855 analog, one-channel wireless receiver. It measures (3½ x 4¾ x 1¼") and weighs just 9 oz, maintaining a good balance even when mounted on a camcorder.
- ◆ The DWR-S01D is made of magnesium die-cast and aluminum, making it extremely rugged and suitable for even the most demanding ENG applications.
- ◆ The DWR-S01D comes with two auto channel scanning functions that allow for fast, easy, and safe frequency channel changes.
 - Clear Scan mode automatically seeks unoccupied channels, from which operators can select the most appropriate channel to use.
 - Active Channel mode searches for channels that are currently in use, allowing operators to check whether the channel is used by a transmitter in the same operational group or by other equipment that may interfere with the digital wireless transmission signal.



DIGITAL WIRELESS MICROPHONE SYSTEM

DWT-B01: Digital Wireless Transmitter (Mfr # DWTB01 • B&H # SODWTB01)	CALL
DWR-S01D: Digital Wireless Receiver (Mfr # DWRS01D • B&H # SODWRS01D)	CALL
DAW-01D: Digital Wireless Adapter (Mfr # DWA01D • B&H # SODWA01D)	697.00
ECM-44BC: Omni-Directional Lavalier Mic (Mfr# ECM-44BC • B&H# SOECM44BC)	99.95
ECM-66BC: Unidirectional Lavalier Mic (Mfr# ECM-66BC • B&H# SOECM66BC)	244.95
ECM-77BC: Omnidirectional Lav Mic (Mfr# ECM-77BC • B&H# SOECM77BC)	259.95
ECM-88BC: Miniature Omni-Directional Lavalier Mic (Mfr# ECM-88BC • B&H# SOECM88BC)	339.95
ECM-166BC: Unidirectional Lavalier Mic (Mfr# ECM-166BC • B&H# SOECM166BC)	99.95
ECM-322BC: Headset Microphone (Mfr # ECM322BC • B&H # SOECM322BC)	139.95

WIRELESS ACCESSORIES

BEC Group

Wireless Receiver Holders



BEC's wireless receiver holders are the best in the field. Made from state-of-the-art plate aluminum, the holders are both durable and reliable. BEC's skilled metal mechanics form and weld

each holder to meet the specific standards for your camera. They also add a protective lining and all necessary hardware, including attachment screws, easy-to-follow instructions, even a screwdriver.

- For Sennheiser EW Series (BE500)**69.95**
- For Lectrosonics UCR-100 (BE100)**69.95**
- For Lectrosonics UCR-201/401 (BE201)**74.95**
- For Lectrosonics UCR-21/411 (BE195)**74.95**
- For AT ATW-R1810 (BEAT1810)**74.95**
- For AT ATW-R1820 (BEAT1820)**74.95**
- For Azden UDR-400 (BEAZ400)**74.95**
- For Azden UDR-500 (BEAZ500)**74.95**
- For Azden UDR-1000 (BEAZ1000)**74.95**
- For Samsen UM1 and UM32 (BESAM1)**52.95**
- For Sony URX-P1 (BEUWP)**69.95**

V-Lock Accessory Bracket:

Provides cameras with V-Lock with two mounting surfaces for receiver holders (one behind the battery, and one on the camera's right side.



(Mfr # VLBSY • B&H # BEVLBSY)**74.95**

DVCAM Bracket

The BEC DVCAM Bracket was designed to be used with cameras the size of the Sony DSR-PD170 and Panasonic DVX-100. This bracket attaches to the tripod screw and allows a wireless receiver to be mounted away from the camera in the vertical position. Tripod mounting threads are provided on the bottom of the bracket. (Mfr # DVCAMB • B&H # BEDVCAMB)**169.95**

DVCAM/HD Bracket

Same as above, except this bracket is designed for today's compact HDV camcorders from Canon, Sony and Panasonic (Mfr # DVCAMB/HD)

Remote Audio Wireless Pouch Kit

Designed to fit all small wireless microphone bodypack transmitters, this kit provides a convenient alternative to belt or pocket mounting and secures the transmitter adequately for rigorous use in the field. Includes a touch fastener closing pouch, leg elastic strap, and waist elastic strap. Available in Black (Mfr # WLPKITB • B&H # REWLPKITB), White (Mfr # WLPKITW • B&H # REWLPKITW) or Tan (Mfr # WLPKITT • B&H # REWLPKITT)**28.00**



JimmyBox Wireless Receiver Holder



Stick your wireless receiver on the camcorder's side, and the rig becomes awkward when shooting documentaries, news, and other run-and-gun projects. The JimmyBox solves this by keeping the receiver securely out of the way, with no chance of getting bumped or falling off as can happen with improvised rigs. Support arm also keeps the camera stable when shooting handheld, and it can even function as a second tripod handle when mounted on a tripod.

- ◆ The support arm is adjustable to five different positions to allow for different hand sizes and individual set ups. The handle is designed to mount either above or below the support arm for shooter preference and can be quickly changed without tools in just a few seconds.
- ◆ The interior is lined with soft Velcro to protect the receiver and hold it comfortably in place. Compatible with Sony, Sennheiser, AKG and Lectrosonics wireless audio receivers.

JimmyBox Wireless Receiver Holder with Support Handle (Mfr # JIMMYBOX • B&H # JIWRB)**159.95**
JimmyBox Large—allows two receivers to be attached. (Mfr # JIMMYBOXLARG • B&H # JIWRBL) ..**179.95**

Bracket 1

Ideal for mounting wireless mic receivers, hard disk recorder, and other accessories to your camera. Convenient positioning for mounting accessories without blocking camera controls or impeding use.

- ◆ Attaches to existing tripod receiver holes without sacrificing tripod mounting capability.
- ◆ Super light, made from high strength aluminum with stainless-steel threaded inserts.
- ◆ Adapter boxes & plates to further protect and simplify attaching your receivers and accessories.

For Panasonic AG-DVX100, Sony DSR-PD170 (Mfr # VISLBR1A • B&H # BRB1A)**69.95**
 For Sony, Panasonic and Canon HDV cameras (Mfr # VISLBR1HD • B&H # BRB1AHD)**99.95**



iPower



iPower offers the first and only Ultra High Capacity lithium polymer 9v rechargeable battery intended for professional use. Lithium polymer batteries use a new gel-type electrolyte with an energy density that is 20% more than typical Lithium Ion batteries and 3x better than Nicad or NiMH. These batteries are geared toward the location sound person using professional wireless and will out perform any rechargeable battery currently available for this use.

- 9v Li-Polymer 500mAh Battery** (Mfr # IP9V500 • B&H # IP9V500)**26.95**
- Fast Smart 9v 4-Bay Charger** (Mfr # FC9VX44 • B&H # IPFC9VX44)**34.95**
- Four 9v Li-Polymer 500mAh Batteries and 4-Bay Charger** (Mfr # FC9VX44K • B&H # IPFC9VX44K)**99.95**