

WRT-822B

Beltpack wireless microphone transmitter with a rugged construction and ultra stable RF performance.

WRT-822B Beltpack Transmitter

The WRT-822B transmitter is designed to be used with Sony ECM miniature microphones and WL-800 receivers. It is a compact and robust unit that can be easily concealed in clothing and has a strong magnesium alloy body. It can operate for up to six hours on a pair of AA batteries.

NOTE: This model is available in multiple versions to support the widest possible range of operating frequencies. Please refer to product specifications for more information.

Features

Ultra stable and programmable operating frequency programming

The WRT-822B uses a synthesiser phase locked loop to achieve high performance and flexible operation.

Secure audio transmission

The systems Pilot Tone system ensure secure operation, for example the transmitter can be silently switched on as the receiver only unmutes the audio output while it receives the pilot tone. The pilot tone helps to extend the systems operating range.

Supplied with case

The supplied case helps to protect the WRT-822B casing from scratches and features a metal beltclip.

Technical Specifications

Generic Specifications

Oscillator:	Crystal controlled PLL synthesizer
Type of emission:	110KF3E
Carrier frequency:	WRT-822B/62 798 MHz to 822 MHz (covering TV Channels 62-64) WRT-822B/38 606 MHz to 630 MHz (covering TV Channels 38-40)
RF power output:	20 mW (50 Ω load)

Rugged Chassis

The WRT-822B's magnesium chassis is able to withstand years of life 'on the road'.

Benefits

Ultra reliable performance

Several key technologies has been utilised in the WRT-822B to ensure stable performance, including a Pilot tone and battery alarm.

Flexibility and simple operation

The WRT-822B has been designed for the real world environment, for use by freelancers and with hostile radio frequency interference. The transmitter is simple to control and contains pre-programmed frequency group allowing it to be quick set up.

Low running costs

The WRT-822B uses standard two AA batteries and it features an internal DC/DC converter, in addition the system's 'low battery' alarm is monitored by the receiver. These features extend the typical battery life, up to six hours from a single set, so producing an impressive cost saving when compared to other wireless microphone systems.

Antenna:	1/4 wave length whip antenna
Reference deviation:	± 5 kHz (-60 dBV, 1 kHz)
Frequency response:	70 Hz to 15 kHz (typical)
Signal-to-noise ratio:	60 dB (A-weighted, at reference deviation)
Attenuator adjustment range (pad):	0 to 21 dB, variable in 3 dB steps
Max. input level:	-3 dBV (with 21 dB attenuator)

Operating voltage:	DC 3 V (two AA-size (LR6) alkaline batteries)
Battery life:	Approx. 6 hours with Sony AA-size (LR6) alkaline batteries at 25 °C (77 °F)
Dimensions:	63 (W) x 103 (H) x 17 (D) mm (2 1/2 x 4 1/8 x 11/16 inches)
Mass:	145 g (5.1 oz) including batteries

Notes

Notes	* 0 dBV = 1 Vr.m.s.
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Supplied Accessories

	Soft case
	Operating manual

Accessories

Lapel, Tabletop and Headset

ECM-166BC

Uni-directional lavalier Electret condenser microphone

ECM-44BC

Affordable omni-directional lapel microphone for use with WRT-822 and WRT-8B wireless transmitters

ECM-322BC

Head Worn Electret Condenser Microphone

Compatible Products

HDCAM Camcorders

HDW-650P

Three 2/3-inch Power HAD CCD sensors
HDCAM camcorder