

True Diversity UHF Microphone System

C 8870C 16 Channel Receiver

C 8872C Handheld Transmitter

C 8875C Beltpack Transmitter



16 Ch. Wireless Microphone System

Interference Free Operation For Multiple Systems

The Redback® C 8870C UHF radio microphone system uses the latest PLL synthesised technology, ensuring a consistent and clear microphone signal with minimal dropout and noise interference. Surface mount technology and miniaturised RF components are used for maximum reliability and performance. Each system is pre-programmed with 16 UHF channels, allowing the user to select non-interfering frequencies in a multi system environment. An on board microchip monitors the signal strength received by both antennas, and automatically processes the best quality signal. It includes a noise reduction system which automatically compensates for high level sound inputs thus avoiding distortion. An operating range of up to 100m is possible in ideal conditions. Output is via 3 pin XLR balanced or 6.35mm unbalanced. Hand held, lavalier and headband microphone transmitters are available for use with the receiver. Power and the active channel (A or B) LED indication are provided on the front panel. Includes power supply.

Beltpack Transmitter: Fitted with a 3 pin mini XLR microphone socket for connecting the desired microphone. The On/Off/Mute switch is located on the top of the unit. A gain control is provided and may be adjusted by the included tool. Revised circuitry now allows the use of rechargeable batteries (2 x AA), we recommend the S 4746D. Typical battery life is around 6-8 hours. *Note: Beltpack transmitters are not supplied with a microphone. See over the page for details on lapel microphones and headsets to suit.*

Hand held Transmitter: The hand held mics are available with an electret mic insert, offering exceptional performance. The head of the mic incorporates an anti-roll band and the textured body ensures minimal handling noise. Revised circuitry now allows the use of rechargeable batteries (2 x AA), we recommend the S 4746D. Typical battery life is around 6-8 hours.



C 8872C Handheld Transmitter

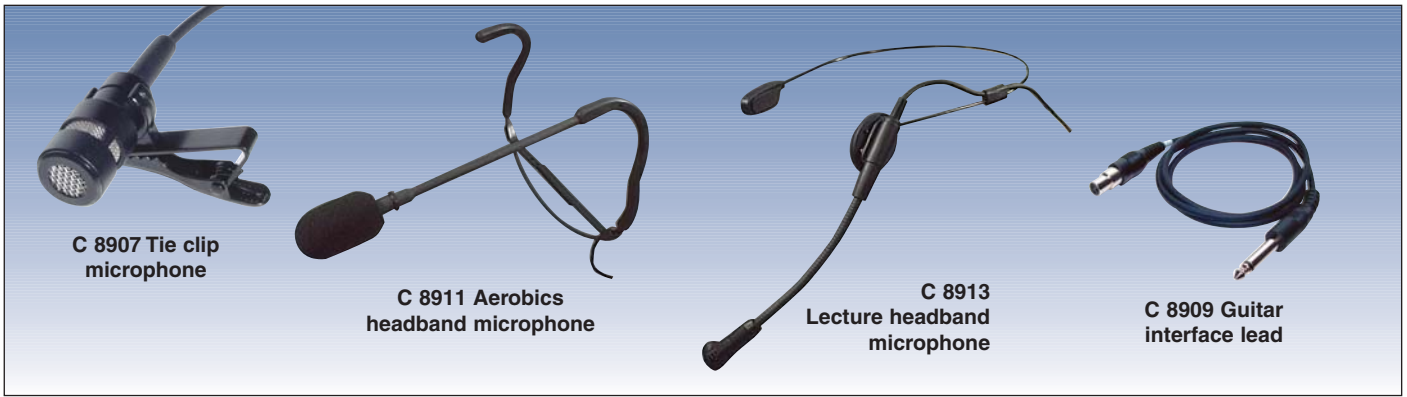
C 8875C Beltpack Transmitter

See over for suitable microphones for the C 8875C beltpack transmitter.

Features

790-806MHz UHF band	Desk or rack mount (optional)
Half rack, 1RU size (two units mount in 1 RU)	6.35mm unbalanced output
16 Preset channels available	3 pin XLR balanced output
Use up to 6 separate systems in one location	Rear mounted antennas with TNC connectors
Tone squelch circuit	12V DC operation (adaptor supplied)
Operates up to 100m in ideal conditions	Includes balanced XLR male to female lead
Front mounted volume & channel selector	1 Year warranty
LED active channel and power indicators	

Microphones To Suit Backpack Transmitters



C 8907 Lapel Tie Clip Microphone

The Redback lapel tie clip microphone is designed to provide clear microphone pick-up in a discrete package. Incorporating a high definition unidirectional microphone insert for crystal clear pick-up of speech.

C 8911 Aerobics Headband Microphone

The Redback aerobics headband microphone is designed to provide trouble free performance even through the most vigorous of workouts. A semi-rigid gooseneck ensures the microphone remains steady during exercise and is moulded to fit comfortably over the ears and back of the neck. The microphone insert is encapsulated in a waterproof membrane ensuring continual operation regardless of the environment. It is noise cancelling to prevent unwanted interference. The microphone simply plugs into the belt pack transmitter.

C 8913 Lecture Headband Microphone

The Redback lecture headband microphone is a lightweight head-worn unidirectional microphone designed for complete hands-free operation. The high definition microphone insert offers crystal clear speech pick-up. It is designed for any non-vigorous activity. Ideal for lecturers and live demonstrations. The microphone simply slips over the ears and plugs into the belt pack transmitter. Not recommended or suitable for aerobics / gym instructors.

C 8909 Guitar interface lead

Allows you to directly plug a guitar output into a belt pack transmitter for use in band or performance situations.

Receiver Specifications

Carrier Frequency Range:UHF band 790-806MHz
 Frequency Stability:±0.005% with PLL synthesized controlled
 S/N Ratio:at 8dB/μV over 80dB
 Image and Spurious Rejection:80 dB minimum.
 Receiving Sensitivity:8 dB/μV, at 80 dB S/N ratio.
 Selectivity:More than 50dB
 Dynamic Range:More than 96dB
 Modulation Mode:FM.

IF Frequency:1ST : 56MHz 2ND: 10.7MHz
 Service Area:Over 50 metres
 AF Response:50Hz to 15KHz(±3dB)
 T.H.D.:Less than 1% (at 1KHz)
 Receiver Audio Output:Unbalanced: max. 1000mV (0dB=1V) at 5KΩ Load.
 Balanced: max. 100mV at 660Ω Load.
 Receiver Power Supply:DC 12-18V Adapter

Transmitter / Microphone Specifications

Carrier Freq. Range (UHF band):790-806MHz
 RF Power Output:10mW.
 Spurious Emission (below carrier freq.):>60dB
 Frequency Stability (with PLL control):Within ±0.005%
 AF Response (+/-3dB):50Hz to 15KHz
 Maximum Deviation (with limit compressor):± 48KHz

Signal to Noise Ratio (A-Weighted):94dB
 Microphone Capsule:Condenser
 Operating voltage:1.5V x 2
 Current consumption:=65mA
 LED Indicator:Power On-Standby-Off, Low battery

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