



MODEL : CW 200



DESCRIPTION

Important Information: The CW200 system covers UHF frequencies from 602 – 634MHz. The systems operating frequency will be tailored / reduced to coincide with your local / countries enforcement laws for licensed free transmitters. Please stipulate frequency when placing an order with Clockaudio. It is both dangerous and illegal to operate licensed free radio transmitters outside of the specified frequency allocation quoted for each country.

- 1 x CW 200R receiver.
- 2 x CW 200T transmitters.
- 60 Metre line of sight range
- 2 x RF antennas
- RF Output 10mW
- 4 x AA batteries.
- 1 x Switched mode AC adaptor.
- Rack mount fixing kit.
- Receiver dimensions W421 H34 D206mm.
- Transmitter dimensions W108 H40 D120mm

Available frequency Subject to local regulations.

For 'Glossary of Terms' [Click Here](#)

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Application	Fast installation of 2 radio microphones where conventional hard wiring of microphones is not convenient or possible.
Optimum Operating Requirements	Range 60 metres line of sight. Operating frequencies are pre-programmed before despatch to allow for local area / country radio frequency regulations.
Finish	Black
Architects and engineer specifications	The CW200 radio microphone system comprises of a rack mountable dual UHF band receiver contained in a single housing and two RF transmitters. The transmit / receiving frequencies covers UHF frequencies from 602 – 634MHz. These frequencies will be limited / tailored

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according to local transmission laws and will be factory set before being despatched to customers. The operating frequency bandwidth of 32 MHz is split into two and handled by each of the independent receivers A and B which will cover 16 MHz each with 32 selectable channels (total 64 channels) when the full frequency spectrum is being used. A multifunction back illuminated LCD display shows RF/AF, diversity strengths; transmitter battery level. The display will also show set up of selected channel, frequency, mute and other working status. In the event that a working channel has interference from local interference or if using a multi CW 200 system, the receiver has an Auto-scan and lock onto an open interference free frequency which can be quickly used to secure a free channel. The battery operated transmitters (2 x AA) have a simple on/off/function button and a multifunction back lit LCD display. Frequency changes are transmitted by Infrared link from the receiver to the transmitter making it a tamper proof system which is quick and easy to perform. Other features include: PLL (Phase Lock Loop frequency control) design ensures transmission reliability, "Noise Lock" squelch effectively blocks stray RF noises Each table top boundary layer transmitter contains 2 x Fixed-charge back plate electret permanently polarized condenser microphones positioned at 120 degrees angle of acceptance giving a cardioid polar pattern reproduction with superior offset noise rejection outside of the angle of acceptance. Transmitter continuous battery life using good quality alkaline batteries approx 10 hours. Heavy die-cast case and non-slip silicon foam bottom pads minimize coupling of surface and vibration pickup. Receiver specifications Main Frame Size: EIA STANDARD 1U Channels Dual Channel Frequency Stability $\pm 0.005\%$, Phase Lock Loop frequency control Carrier Frequency Range UHF 602 – 634MHz Digital Equalizer Preset Microphone Capsule Modelling Modulation Mode FM Operating Range 60M typical (in open space) Oscillation PLL synthesized Sensitivity 5dB μ V, S/N>60dB at 25 deviation Band Width 32MHz Max deviation Range ± 45 KHz Frequency response 80Hz~18KHz ± 3 dB Power Supply 100-240V AC 50/60 Hz, 10W Weight 4KG Dimension 421(W) X 43(H) X 206(D) Output Connector XLR balanced & 6.3 ϕ phone jack unbalanced Transmitter specifications Element: 2 x Fixed-charge back plate, permanently polarized condenser microphones. Polar Pattern:Half-cardioid (cardioid in hemisphere above mounting surface) Carrier Frequency Range:602MHz~ 634MHz Modulation Mode:FM Frequency Response:50-17,000 Hz Max.Deviation Range : ± 45 KHz Operating Range:60M typical (in open space) Current Consumption:90mA, typical RF Power Output:10mW Dynamic Range (Typical):> 90 dB,1kHz at Max SPL Battery:AA X 2 Alkaline Battery Current /

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	Life: Approximately 10 hours Kit comprises of 1. 2 x CW200T transmitters. 2. 1 x CW200R receiver. 3. 2 x RF antenna's 4 x AA batteries for transmitters. 4. 1 x switched mode 110-230VAC adaptor. 5. Rack mount fixing kit