

**CLOCKAUDIO®**

CW9000  
UHF  
MULTICHANNEL  
FULL DIVERSITY  
RADIO  
MICROPHONE  
SYSTEM

Designed as a versatile, flexible and easy to use multi channel system for use in a wide range of professional applications. Operating in the UHF Band for resistance to interference and using PLL synthesised Channels for easy selection at the diversity receiver and transmitter.



PROFESSIONAL  
MICROPHONE  
SYSTEMS

CW9000-R  
FULL DIVERSITY RECEIVER



- UHF operation for reduced interference
- Frequency Bands within 630MHz - 960MHz (according to regulation)
- 192 PLL selectable Channels per Band
- Full diversity reception with twin receivers
- Adjustable squelch for noise suppression
- Comprehensive LCD display for easy monitoring and operation
- Wide band frequency response
- Balanced and unbalanced outputs from receiver
- Rugged metal case
- Compact half rack size and easy to install
- Black finish

**SPECIFICATIONS**

FREQUENCY RANGE	630 - 960 MHz (According to local regulation)
CHANNEL FREQUENCIES	192 PLL selectable channels per frequency band
FREQUENCY STABILITY	±0.005%
S/N RATIO	> 100dB
AUDIO OUTPUT LEVEL	-12dB
AF OUTPUT IMPEDANCE	600 Ohms
SQUELCH	Pilot Tone and Noise Mute
OUTPUT TERMINATIONS	Balanced - 3 Pin XLR
DISPLAY	LCD
DISPLAY INFORMATION	Frequency; Receiver A/B; Mute Status; Audio level
SUPPLY POWER	12V DC 500mA
FINISH	Black
DIMENSIONS	W 211mm (8.4") x H 40mm (1.5") x (D) 152mm (6")
WEIGHT	1 Kg/35.4 oz
ACCESSORIES	Audio link cable terminated each end with 6.3mm (1/4") jack

CW9001-T  
BELT PACK TRANSMITTER



- 192 PLL selectable Channels (Frequency Bands according to regulation)
- On/off switch, frequency scan and select, audio level control
- LCD display of frequency and battery status
- 4 pin Tini Q connector for secure microphone connection
- High dynamic range and wide band response
- Lavalier Cardioid Condenser microphone. Lightweight Headworn microphones available as optional extras
- More than 10 hours use from 2 x AA batteries
- Lightweight miniature rugged plastic and metal case with easy to use controls protected from accidental adjustments. Strong removable/ reversible belt clip.
- Grey and Black dual colour finish

**SPECIFICATIONS**

FM CARRIER	UHF
FREQUENCY RANGE	630 - 960 MHz (Frequency Bands according to local regulation)
CHANNEL FREQUENCIES	192 PLL Pre selectable Channels per Band
RF OUTPUT	10mW
FREQUENCY STABILITY	±0.005%
FREQUENCY DEVIATION	±48KHz
S/N RATIO	> 102dB
AUDIO FREQUENCY RESPONSE	50Hz - 15KHz
DYNAMIC RANGE	> +110dB
CONTROLS	Power On/Off, Frequency and AF Level set
LCD DISPLAY INFORMATION	Frequency and Battery Status
MICROPHONE	CL6 Lavalier Cardioid Condenser
POWER	2 x AA Batteries giving more than 10 hours use
BELT CLIP	Reverseable/removable
FINISH	Black and Grey dual colour
DIMENSIONS	(H excl. aerial) 105mm/4.1" x (W) 76mm/3" x (D) 34mm/1.3"
WEIGHT	164 gms/5.7 oz (Excl. batteries)
ACCESSORIES	Attractive Presentation Case and Microphone Windshield included. CMH2000 or HW1500 lightweight headworn microphones available as optional extra.

CW9000-T  
HAND HELD TRANSMITTER



- 192 PLL selectable Channels (Frequency Bands according to regulation)
- On/off switch, frequency scan and select, audio level control
- LCD display of frequency, AF level and battery status
- Dynamic Cardioid microphone (Interchangeable Cardioid Condenser microphone head available as optional extra)
- RF, Audio, display and control information as CW9001T above
- More than 10 hours use from 2 x AA batteries
- Integrated dipole aerial
- Finished in soft touch black
- Coloured end covers for coding or identification

**SPECIFICATIONS**

<b>RF,AF and control information as for CW9001T above</b>	
MICROPHONE	Condenser (Back Electret)
POLAR.PATTERN	Cardioid
FREQUENCY RESPONSE	60Hz - 18KHz
IMPEDANCE	400 Ohms
SENSITIVITY	-50dB @ 1KHz (0dB = 1VPa)
LCD DISPLAY INFORMATION	Frequency,AF level and Battery status
POWER	2 x AA batteries giving more than 10 hours use
FINISH	Soft touch Black
DIMENSIONS	(L) 255mm/10" x Head dia. 50mm/2.0" Body dia. 32mm/1.26"
WEIGHT	362 gms/12.7 oz (Excl. batteries)
ACCESSORIES	Attractive Presentation Case, Coloured Microphone End Covers for coding or identifying purposes and SA5 Microphone holder/stand adaptor included. Interchangeable Cardioid Condenser microphone head CW9000T-C optional extra.

CW9004T  
UHF DESK WIRELESS  
TRANSMITTER



**SPECIFICATIONS**

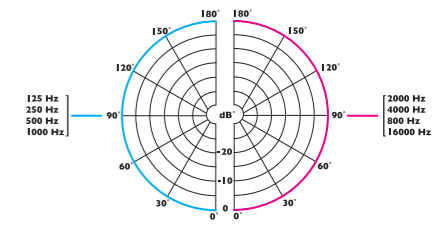
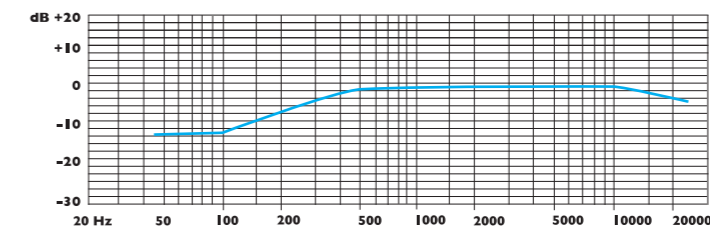
FREQUENCY RANGE	630 - 960 MHz (According to local regulation)
CHANNEL FREQUENCIES	192 PLL selectable channels per frequency band
RF OUTPUT	10mw
FREQUENCY STABILITY	±0.005%
FREQUENCY DEVIATION	±48KHz
S/N RATIO	> 102dB
AUDIO FREQUENCY RESPONSE	50Hz - 15KHz
DYNAMIC RANGE	> +110dB
CONTROLS	Power On/Off Frequency and AF level set
LCD INFORMATION	Frequency and battery status
SWITCHING	Programmable touch switch and LED indicator
POWER SUPPLY	2 x AA batteries giving more than 9 hours use
CONNECTIONS	3 Pin Mini XLR (TINI-Q Switchcraft)
FINISH	Black
DIMENSIONS	L 125mm (4.93") x W 115mm (4.53") x (D) 40mm (1.58")
WEIGHT	394g (13oz)
ACCESSORIES	Microphones Models C310 C312 C313 and C314

CW9005T  
UHF DESK WIRELESS  
MICROPHONE  
TRANSMITTER



**SPECIFICATIONS**

FREQUENCY RANGE	630 - 960 MHz (According to local regulation)
CHANNEL FREQUENCIES	192 PLL selectable channels per frequency band
POLAR PATTERN	Omni-directional
AUDIO BANDWIDTH	50Hz - 18KHz
RF OUTPUT	10mw
FREQUENCY STABILITY	±0.005%
FREQUENCY DEVIATION	±48 KHz
S/N RATIO	> 102dB
AUDIO FREQUENCY RESPONSE	50Hz - 15KHz
DYNAMIC RANGE	> +110dB
CONTROLS	Power On/Off Frequency and AF level set
LCD INFORMATION	Frequency and battery status
SWITCHING	Programmable touch switch and LED indicator
POWER SUPPLY	2 x AA batteries giving more than 9 hours use
FINISH	Black
DIMENSIONS	L 125mm (4.93") x W 115mm (4.53") x (D) 40mm (1.58")
WEIGHT	394g (13oz)
ACCESSORIES	CU-2 Gang battery charging unit



CW9006T  
UHF DESK WIRELESS  
TRANSMITTER



**SPECIFICATIONS**

FREQUENCY RANGE	630 - 960MHz (According to local regulation)
CHANNEL FREQUENCIES	192 PLL selectable channels per frequency band
RF OUTPUT	10mw
FREQUENCY STABILITY	±0.005%
FREQUENCY DEVIATION	±48KHz
S/N RATIO	> 102dB
AUDIO FREQUENCY RESPONSE	50Hz - 15KHz
DYNAMIC RANGE	> +110dB
CONTROLS	Power On/Off Frequency and AF level set
LCD INFORMATION	Frequency and battery status
SWITCHING	Programmable touch switch and LED indicator
POWER SUPPLY	2 x AA batteries giving more than 9 hours use
OUTPUT	24 Volts Phantom Power
CONNECTIONS	3 Pin XLR
FINISH	Black
DIMENSIONS	L 125mm (4.93") x W 115mm (4.53") x (D) 40mm (1.58")
WEIGHT	394g (13oz)
ACCESSORIES	Floor stand

CU-2  
INTELLIGENT BATTERY  
MANAGEMENT SYSTEM



- Processor controlled
- Built-in active monitoring circuitry
- Pulse charging system
- Temperature sensor
- Two dedicated compartment for charging two CW9004-T, CW9005-T or CW9006-T

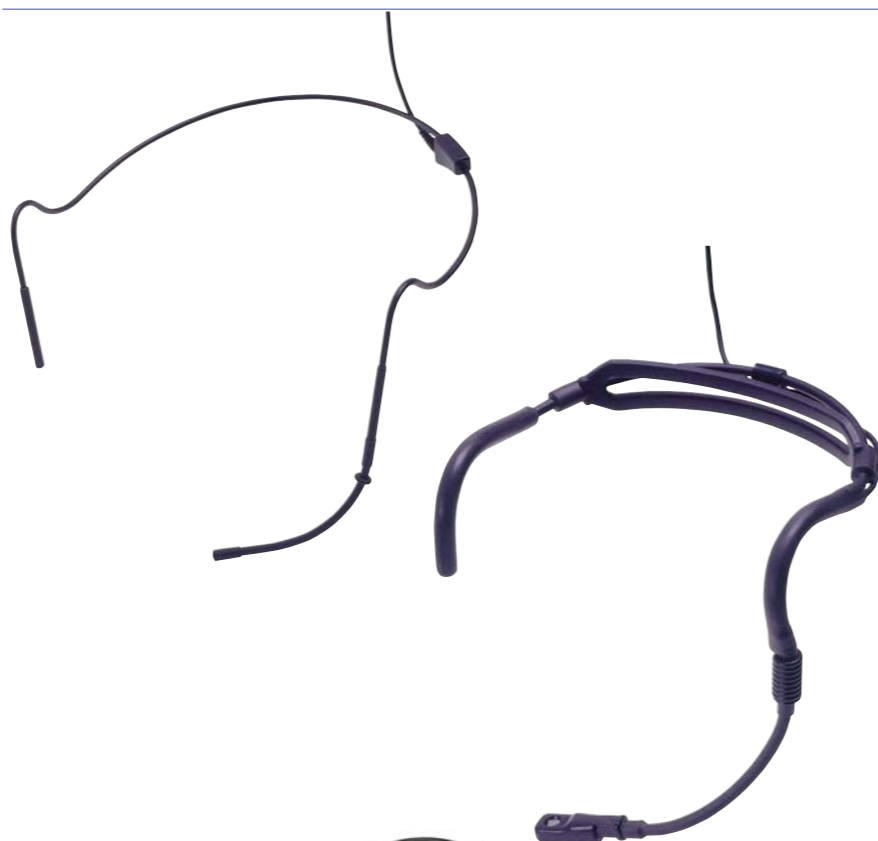
**SPECIFICATIONS**

CHARGING CURRENT	1.25A
CHARGING TIME	6 hours (Ni-MH. 2700mAh)
INDICATORS	Red LED charging Green LED charging complete
POWER SUPPLY	Input 90-260V AC Output 12VDC 1.25A
DIMENSIONS	L 125mm (4.93") W 125mm (4.93") H 63mm (2.48")
WEIGHT	282g (9.95oz)



Shown with C815E

CMH 2000  
MICROLIGHTWEIGHT  
HEADWORN BOOM  
MICROPHONE



HW 1500  
RUGGED LIGHTWEIGHT  
HEADWORN BOOM  
MICROPHONE



HW 1200  
LIGHTWEIGHT  
HEADWORN BOOM  
MICROPHONE



**HEADWORN MICROPHONE SPECIFICATIONS**

	CMH2000	HW1500	HW1200
TYPE	Condenser (Back Electret)	Condenser (Back Electret)	Condenser (Back Electret)
POLAR PATTERN	Omni Directional	Bi-Directional	Cardioid
FREQUENCY RESPONSE	30Hz - 18KHz	300Hz - 5KHz	50Hz - 18KHz
IMPEDANCE	4.4K Ohms	1K Ohms	680 Ohms ± 30%
SENSITIVITY (0dB = 1V/Pa)	-33dB @ 1KHz	-44dB @ 1KHz	-50dB @ 1KHz
WEIGHT	26gms/1oz	66gms/2.3oz	gms/oz

**MICROPHONES FOR CW-9004T UNIT**

- C310 Short Rigid Stem
- C312 Semi-rigid Gooseneck
- C313 Semi-rigid Gooseneck
- C314 Semi-rigid Gooseneck

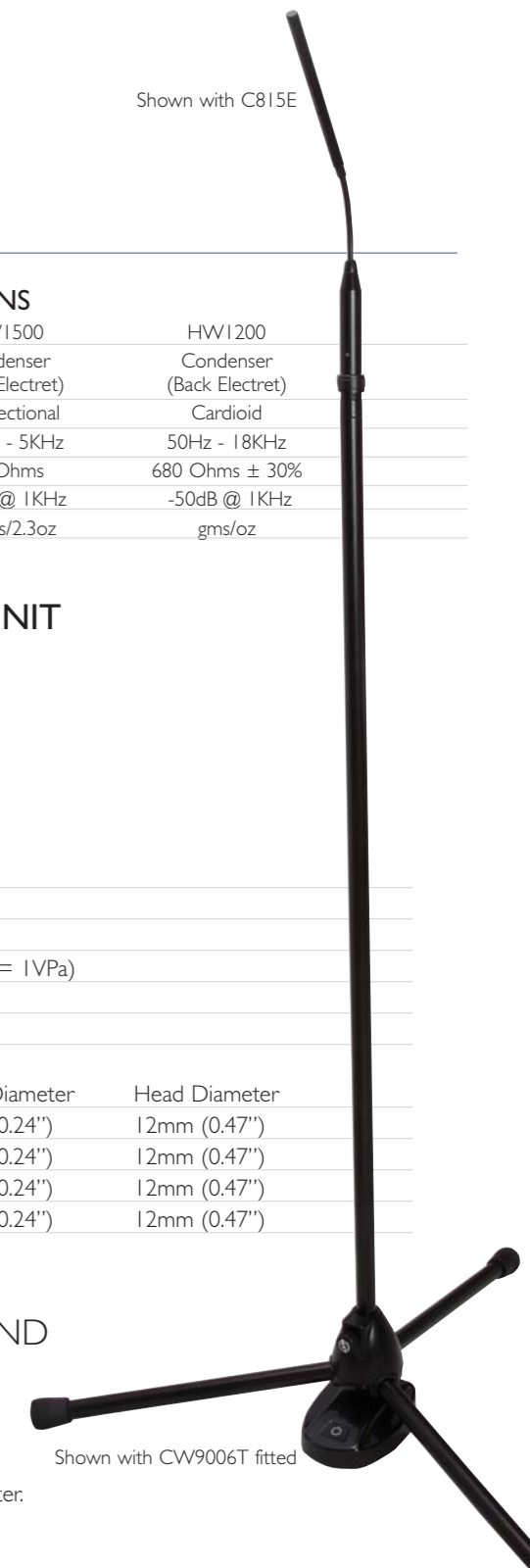
**SPECIFICATIONS**

Type	Condenser (Black Electret)		
Polar Pattern	Cardioid		
Frequency Response	50 - 18KHz		
Sensitivity	-47dB ± 3dB @ 1KHz (0dB = 1V/Pa)		
S/N Ratio	64dB (A)		
Connection	3 pin Tini-Q Female Plug		

Product	Overall Length	Shaft Diameter	Head Diameter
C310	100mm (3.94")	6mm (0.24")	12mm (0.47")
C312-SR	200mm (7.88")	6mm (0.24")	12mm (0.47")
C313-SR	300mm (11.82")	6mm (0.24")	12mm (0.47")
C314-SR	400mm (15.76")	6mm (0.24")	12mm (0.47")

**S210-X MICROPHONE FLOOR STAND**

A fixed height folding long legged stand with a diecast base for stability and ease of transport. Fitted with a 3 pin XLR connector at the base and the top, the top connector is lockable. Specially designed for use with the CW-9006 UHF transmitter. Overall height 1023mm (41")



Shown with CW9006T fitted



### RRM 9000/RCP 9000

Rack mount for 2 receivers and cover panel for vacant slot



### CW9000T-C Interchangeable Condenser Microphone Head

Type	Condenser (Back Electret)
Polar Diagram	Cardioid
Frequency Response	60Hz - 18KHz
Impedance	400 Ohms
Sensitivity	-50dB (0dB = 1VPa)



### AA9000 Antenna Distribution Amplifier

Carrier frequency	470-870 MHz
Antenna inputs	2 (BNC)
Antenna outputs	4 x pairs (BNC)
Output connector isolation	24dB
Nominal cascade gain	3dB
Inline antenna power	12 Volts DC 120MA
Dimensions	(W) 263mm x (H) 45mm x (D) 480mm
Weight	3Kg
Rack height	1U
Finish	Satin black
Power supply	4 x 12 V DC
Mains input voltage	90-264 AC 50/60 Hz



### AB9000 Antenna Booster

Carrier frequency	470-870 MHz
Antenna gain	1.8dBi
Booster gain	0dB +2/-1
Antenna coverage	360 degrees
Operating voltage	12 - 18V DC
Inline antenna power	12 Volts DC 120MA
Dimensions	(W) 77mm x (H) 65mm
Antenna height	250mm
Weight	166g



## CLOCKAUDIO®

### Clockaudio Ltd - Headquarters

22 Arnside Road, Waterlooville, Hampshire PO7 7UP, UK  
Tel +44 (0)23 9225 1193 • Fax +44 (0)23 9225 1201  
e-mail [sales@clockaudio.co.uk](mailto:sales@clockaudio.co.uk)

### Clockaudio North America Inc.

2891 du Meunier, Unit 103, Vaudreuil-Dorion, Quebec J7V 8P2, Canada  
Tel: (450) 424-9797 • Fax: (450) 424-3660  
e-mail: [info@clockaudio.com](mailto:info@clockaudio.com)

[www.clockaudio.com](http://www.clockaudio.com)



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As part of a continuous product improvement programme, we reserve the right to alter specifications without prior notice.