

# CALRAD

## 10 Series - Wireless Microphones

### 10-120

#### WIRELESS MICROPHONE RECEIVER

This professional receiver is designed with the latest wireless technology. The low drop-out-free RF is excellent under adverse conditions. Audio performance is comparable to more expensive systems. It has "TRUE DIVERSITY" reception for excellent RF performance.

#### Specifications:

Operational Frequencies available\* ..... VHF 169-216 MHz  
 Working Range ..... Up to 300' under average conditions  
 Distortion ..... Less than 1% (+/-15 KHz dev.)  
 Frequency Response 40Hz-15KHz (+/-3dB)  
 Dynamic Range ..... Better than 100dB  
 Signal to Noise Ratio ..... Better than 95dB  
 Noise Reduction ..... 2:1 Logarithmic compressor/expander  
 Size ..... (mm) 280 W X 120 D X 37 H  
 Oscillator/Modulator ..... Crystal controlled/Fm  
 Color ..... Black

Image Rejection ..... Better than 60 dB  
 Reception Sensitivity ..... Better than 15dB uv  
 Reception Selectivity ..... +/-60 KHz  
 Audio Output adjustment ..... Min-30 dB, center 0dB,  
 Audio Output Impedance ..... 2.2KΩ unbalanced  
 Power Requirements ..... 12 Vdc-300mA

Weight ..... 29 oz. (830 grams)



\*25 separate frequencies available.

CH	MHz	TV	CH	MHz	TV	CH	MHz	TV	CH	MHz	TV
A1	169.505	NONE	B5	177.650	7	D2	188.200	9	E3	196.800	10
A3	171.045	NONE	C1	181.400	8	D3	190.600	9	E4	197.325	10
A4*	171.905	NONE	C2	184.025	8	D4	191.300	9	E5	193.825	10
B1	175.400	7	C3	185.125	8	D5	189.325	9	E6	195.975	10
B2	178.225	7	C4	181.850	8	D6	190.075	9			
B3	179.200	7	C5	182.550	8	E1	194.400	10			
B4	176.425	7	D1	187.800	9	E2	195.425	10			

\*171.905MHz is the default frequency.

### 10-127

#### WIRELESS MICROPHONE SYSTEM

This professional quality VHF microphone system has a range of over 250 feet. With two switchable frequencies for the cleanest sound at an affordable price. Has clip on microphone. Ideal for camcorder use. A monitor earphone is included.

#### Specifications:

TRANSMITTER		RECEIVER	
Switchable Frequencies	F1-169.445 MHz + F2-170.245 MHz	Reception system	Double superheterodyne system
Sensitivity	94dB SPL at +/- 2.5KHz deviation	Frequencies	F1 169.445 MHz + F2 170.245 MHz
Power supply	one 9 volt battery (not included)	Sensitivity	2uV at S/N 40dB
Power consumption	30 mA	Power supply	one 9 volt battery (not included)
Dimensions	86 x 60 x 21.5 mm	Power consumption	25mA
Weight	98 grams	Monitor output	voltage: 1v (load 30 Ω)
Microphone	Electret condenser		modfreq: 1 KHz<dev +/- 7 KHz
Color	Black	Microphone output	voltage: 8mV (load 10K Ω)
			impedance 300 Ω
		Dimensions	86 x 60 x 21.5 mm
		Weight	128 grams (including battery)
		Accessories supplied	Earphone



### 10-131

#### WIRELESS TRANSMITTER

This wireless transmitter has a clip on lapel microphone ideal for many uses. This microphone has a range of over 200 feet. It has two switchable frequencies for the clearest signal available. For use with the 10-120 receiver. Unit shipped with default frequency of 171.905 MHz.

#### Specifications:

Operational Frequencies available. 169 - 216 MHz  
 Sensitivity ..... 94dB SPL @ +/- 2.5KHz deviation  
 Power supply ..... one 9 volt battery (not included)  
 Power consumption ..... 30mA  
 Color ..... Black

Dimensions ..... 86 x 60 x 21.5 mm  
 Weight ..... 4 oz. (112 grams)  
 Microphone ..... Omni Directional  
 RF output power ..... 30Mw (50Mw max.)

