



X-100R SERIES

VHF Wireless System

Features

- Single channel VHF system
- Quartz-locked
- 160 ~ 245 MHz
- Non diversity



X-100R is a single channel non diversity VHF wireless system. It features a quartz-locked technology easy to set up and to operate in installed or mobile applications. It can be used with X-100H handheld transmitter or X-100P pocket transmitter equipped with LM-60V lapel or HM-28 headset microphones. The half rack receiver is compact and light and can be combined with an additional receiver in order to be mounted in a 1U rack by using mounting ears. The carrier frequency is fixed in the range of 160 MHz to 245 MHz corresponding to most of worldwide VHF frequency regulations.



X-100H



X-100P
with LM-60



HM-28

Specifications

X-100R Receiver Unit	
Receiver Type	Single Channel non Diversity
Carrier Frequency Range	160 ~ 245 MHz
Frequency Stability	+/- 0.005% / 250°C
Modulation Mode	FM (F3E)
Max Deviation	40 kHz, with compressor limiter
THD	< 1%
Dynamic Range	> 100dB
S/N Ratio	> 80dBm at +/- 15 kHz Deviation
Frequency Response	50 Hz-15kHz (+/- 3dB)
Receiver Mode	Quartz control fixed frequency
Audio Output Level	300mV at +/- 40kHz Deviation
Output Connector	6.3mm mono phone jack unbalanced
Power Supply	DC 12A ~18V 200mA with AC/DC adaptor 115/230V 50/60Hz
Dimension (W x D x H)	230 x 100 x 40 mm (9.1" x 3.94" x 1.57")
Weight	0.29 kg (0.64 lbs)

	X-100H Handheld Transmitter	X-100P Pocket Transmitter
Frequency Band	VHF high band 160 ~245MHz	VHF high band 160 ~245MHz
Frequency Response	50 Hz-15kHz (+/- 3dB)	50 Hz-15kHz (+/- 3dB)
Frequency Stability	+/- 0.005%	+/- 0.005%
Modulation Mode	FM (F3E)	FM (F3E)
Rated Deviation	+/- 40KHz	+/- 40KHz
RF Output Power	10 ~ 15mW	10 ~ 15mW
Spurious Emission	45dBc	55dBc
Current Drain	< 30mA	< 30mA
THD	< 1%	< 1%
Frequency Response	50 Hz-15kHz (+/- 3dB)	50 Hz-15kHz (+/- 3dB)
Battery	9V alkaline	9V alkaline
Battery Life	7 ~ 8 Hours	7 ~ 8 Hours
Tone Frequency	30 ~ 33kHz	30 ~ 33kHz
Dimension (W x D x H)	246 mm (9.7")	106 x 23 x 66 mm (4.2" x 0.9" x 2.6")
Weight	0.22 kg (0.47 lbs)	0.82 kg (1.81 lbs)
Microphone Type	Dynamic Capsule	Input: Dynamic Mic./ Condenser Mic./ Elec. Instrument

Specifications subject to modification without notice



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