



# WR-101R

VHF Wireless System

## Features

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



WR-101R is a single channel VHF non-diversity wireless system. It features a quartz-locked technology and is easy to set up and to operate in fixed or mobile applications. It can be used with VXM-286TS handheld transmitter or VT-22P(J) pocket transmitter equipped with LM-60 lapel or HM-28 headset microphones.

Electronic circuitry is integrated in a strong, compact and light plastic case. The carrier frequency is fixed in the range of 160 MHz to 245 MHz corresponding to most of worldwide VHF frequency regulations.



VXM-286TS



VT-22P(J)  
with LM-60



HM-28

## Specifications

MODEL	WR-101R Receiver Unit
Receiver Type	Single Channel Non-diversity
Carrier Frequency Range	160 ~ 245 MHz
Frequency Response	50Hz ~ 15kHz (+/- 3dB)
Frequency Stability	+/- 0.005%
Modulation Mode	FM (F3E)
Receiving Mode	Quartz Controlled Fixed Frequency
THD	< 0.8%
Dynamic Range	> 100dB, A-Weighting
AF Output Level	Unbalanced, 0~300mV 10kΩ load
S/N Ratio	> 90dBm (with A-Weighting)
RF Sensitivity	3 μV for 20dB Sinad
Squelch	Noise control (external control)
Output Connector	Unbalanced 6.3mm mono phone jack
Power Supply	DC 12V /300mA with AC/DC adaptor
Dimension (W x D x H)	152 x 98 x 36 mm (6" x 3.9" x 1.4")
Weight	0.23 kg (0.51 lbs)

MODEL	VXM-286 Handheld Transmitter	VT-22P 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	32.768 kHz
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)	0.80 kg (1.77 lbs)
Microphone Type	Dynamic Capsule	Input: Dynamic Mic./ Condenser Mic./ Elec. Instrument

*Specifications subject to modification without notice*

