

# Wireless

## XR-150M/450M

### Submersible Waterproof Communication

128x16 Dot Graphic LCD

Up to 5 Watts, 512 Channels in 16 Groups

2200 mAH Li-Ion Battery standard

Meets CE, Australia, FCC and Canada Specs

Mil-spec and IP-68

Voice Inversion Scrambling built-in

Comander built-in

5-Tone and 2-Tone

Remote Stun

Emergency Call Function

Lone Worker Function

Advanced speaker protection technology

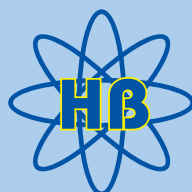
UDC Multi connector

Ergonomic mechanic design



[www.hbwireless.com.au](http://www.hbwireless.com.au)

The 512 Channel XR-Series portable with full Mil-Spec and IP-68 status. The strongest and highest specification radio has ever sold!



# Wireless

202 Whitford Road  
GREEN VALLEY NSW 2168  
AUSTRALIA

Rugged Mics . . .  
A whole new line-up of  
accessories for our own units  
as well as for Motorola,  
Kenwood, and Vertex . . .



# Wireless

<http://www.hbwireless.com.au>

Email : sales@hbwireless.com.au

## XR-150M/450M

### General Specifications

Standard equipment includes 2200mAH Li-Ion battery, Antenna, Rapid Charger and Belt Clip.

Approvals	CE, FCC, AS/NZS 4295:2004
Dimensions	103mm(H)x52mm(W)x32mm(D)
Weight	250g with 2200mAH Battery
UHF Frequency range	450MHz ~ 512MHz
VHF Frequency range	136MHz ~ 174MHz
Channels	512Channels in 16groups
Nominal voltage	7.5Volts DC
Channel Spacing	12.5 and 25KHz programmable
Coverage(open space)	Up to 5 miles

 N25293



Emergency Button  
in Orange Color



Longlife PTT Knob



128x16 Dot graphic LCD



UDC multi Connector

Receiver :	XR-150M(VHF)	XR-450M(UHF)
Sensitivity	12dB SINAD: 0.25 uV	12dB SINAD: 0.25 uV
Selectivity @ 25 KHz	Better than: 70dB	Better than: 70 dB
Selectivity @ 12.5 KHz	Better than: 65 dB	Better than: 65 dB
Spurious Response	70dB	70dB
Audio Output Power	1 Watt @ 16 Ohms	1 Watt @ 16 Ohms
Channel Spread	34 Mhz without tuning	70 Mhz without tuning
Battery Drain	Stand by: 45mA	Stand by: 45mA
Transmitter :	XR-150M(VHF)	XR-450M(UHF)
RF power	5/2 Watt	4/2 Watt
Hum & Noise @ 25 KHz	45 dB	45 dB
Hum & Noise @ 12.5 KHz	40 dB	40 dB
Modulation dist. @ 1 KHz	3% Max @ 1000 Hz	3% Max @ 1000 Hz
Channel Spread	34 Mhz without tuning	70 Mhz without tuning
Nominal Battery Drain	1.7 Amps at 5 Watts	1.7 Amps at 4 Watts

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 E	
	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure
Low Pressure	500.1	I	500.2	I II	500.3	I II	500.4	I II
High Temperature	501.1	I	501.2	I II	501.3	I II	501.4	I II
Low Temperature	502.1	I	502.2	I II	502.3	I II	502.4	I II
Temperature Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I II	506.2	I II	506.3	I II	506.4	I II
Humidity	507.1	I II	507.2	II III	507.3	II III	507.4	—
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	—
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII X	514.3	I	514.4	I	514.5	I
Shock	516.2	I II V	516.3	I IV	516.4	I IV	516.5	I IV

Environmentals	
Parameter	Specification
Operating Temperature	-30 C to + 60 C
Storage Temperature	-55 C to + 85 C
Humidity	95% RH @ 8 Hr
ESD	IEC 801-2 KV
Water Intrusion	IP 68



1inch

55mm

81mm

Helical

Whip



DC-1000



DC-2000



XSB-2200

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