

FRWD-1



DIGITAL REPEATER

IP67 WATERPROOF PORTABLE REPEATER
ELIMINATES RADIO BLACK SPOTS
INCREASES RADIO COVERAGE



THE FRWD-1 CAN BE USED AS A STAND
ALONE DIGITAL RADIO REPEATER
OR PART OF A DIGITAL RADIO MESH
SYSTEM

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OFF GRID COMMUNICATIONS WHATEVER THE TERRAIN

FRWD-1



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Technical Specifications

General

Freq. range (FRW- 1 U2)	400 - 470MHz
Freq. range (FRW-1 V2)	136 - 174MHz
Protection rating	IP66
Channel capacity	8
Channel spacing	12.5KHz / 20KHz / 25KHz
Operating Voltage	13.6 vDC
Temperature range	-20°C to + 60°C
Battery	Li-ion 13.4Ah 14.8V
Current drain:	
Standby	500 mA
Transmit/Receive	1.2 A
Duty cycle (10/90)	22 Hours
Dimensions:	305mm x 270mm x 144mm
Weight:	7kg

Transmitter

RF power output	4 W (VHF) / (UHF)
Audio sensitivity	6 - mVrms @ 60% peek
Modulation	11K0F3E@12KHz Ch Spacing

Receiver

Sensitivity	12 db SINAD
	UHF: < 0.3 μ V @5% BER
	VHF: < 0.3 μ V - 12 db

Supplied Accessories

Charger	Rapid intelligent
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User manual

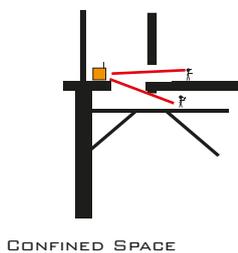
Optional Accessories

Spare battery and charger dongal
Back pack

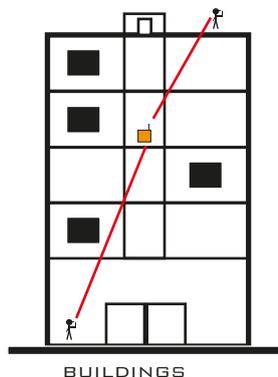
Enclosure Optional Colours



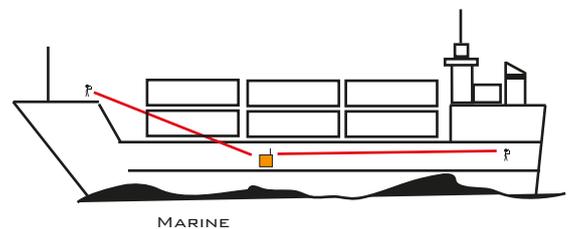
OPERATIONAL EXAMPLES



CONFINED SPACE



BUILDINGS



MARINE

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