

FRX-1



ATEX Repeater



ATEX Portable Repeater
E Ex d 11c T5
Zone 1 & 2

Eliminates Radio Black Spots
Increases Radio Coverage

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Lowestoft

Aberdeen



II 2 G Ex d IIC T5 Gb
BKI13ATEX0022

Technical Specifications

General

Freq. range (FRX- 1 U2)	440 - 470MHz
Freq. range (FRX-1 U1)	400 - 440MHz
Freq. range (FRX-1 V2)	146 - 174MHz
Protection rating	IP66
Area classification	Zone 1 & 2
Channel capacity	5
Channel spacing	12.5KHz / 20KHz / 25KHz
Temperature range	-20°C to + 50°C
Battery	Li-ion 5.3 Ah 14.8V
Current drain:	
Standby	98mA
Transmit/Receive	610mA
Duty cycle (40%)	20 Hours
Dimensions:	270mm x 310mm x 185mm
Weight:	15kg

Transmitter

RF power output	11C = 1 W (VHF) / (UHF) 11B = 3.5 W (VHF) / (UHF) 11A = 4 W (VHF) / (UHF)
Audio sensitivity	6-8 mV rms @60% peak deviation
Modulation	G3E

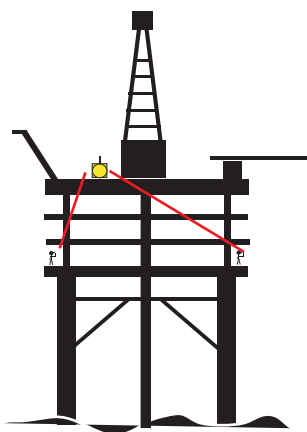
Receiver

Sensitivity	12 db SINAD UHF: < 0.35 μ V or 116 dBm VHF: < 0.28 μ V or 118 dBm
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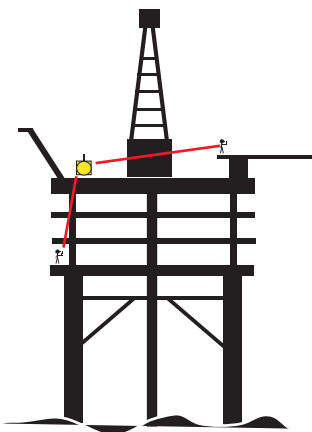
Supplied Accessories

Battery Charger

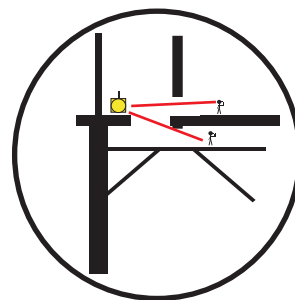
Data Transmission



Audio Transmission



Confined Space Transmission



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When communication matters the platform of choice is the FRX