



DISPATCH STATION AND REPEATER



Dispatch Station



Repeater Unit



Tripod Antenna Unit

Inventory

	Great Lakes	Québec	Atlantic	Total
Dispatch Units/Repeaters	1	3	2	6

Application

The 800 MHz radio repeater units are used to expand the operating range of portable and mobile radios unit. Repeaters simultaneously receive and then retransmit a radio signal at a much higher power. ECRC has the ability to cascade 6 repeaters to a spill site to create a larger area of radio coverage. The Repeater units are paired with the Dispatch Station to provide full monitoring and control of all radio assets. The Dispatch Station utilizes two mobile radios connected to a laptop computer running TRBOnet software. The TRBOnet software provides a map display showing the location of each radio unit. The Repeater unit are housed in weather-proof enclosures allowing them to be set up in remote areas.

Description

The MOTOTRBO XPR 8380 800 MHz repeater operates on one of four sets of dedicated ECRC frequencies. These units can also be configured to create a trunked radio system with fleeting and sub-fleeting capabilities to satisfy major communications requirements. Dedicated transportation cases, meeting air transportation specifications, are available for the transportation of repeaters.

Operating Data

Range: +/- 20 km radius, depending on location
Output: 35 watts
Operates on one of four sets of dedicated ECRC frequencies in duplex (conventional) mode
Dispatch, GPS and text messaging capability

Ancillaries

Dispatch laptop
SRL 433 antenna
antenna tripod with mast pipe
Speaker
Microphone
Shipping case

Technical Data

Frequency Range: 806-825 MHz, 851-870 MHz
Power Supply: 120 Volt
Dimensions: Height: 1.2 m (46 in)
Width: 0.5 m (20 in)
Length: 0.5 m (20 in)
Weight: 50 kg (110 lbs)

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