

The UK PRC 349 Radio



Description

The UK/PRC-349 is a “lightweight” VHF radio used within the cadet forces. It is a VHF (Very High Frequency) manpack transmitter and receiver.

Specification

Frequency Range – 37 to 46.975 MHz at 25 KHz spacings giving a total of 400 usable frequencies

Power Supply – 12v Primary Battery, lasts around 24 hours with 1:9 Tx/Rx ratio
12v Rechargeable Battery, lasts around 18 hours



Antennas

0.5m Whip Antenna

Ranges achievable with 0.5m whip vary dependant on the weather and the environment.

Below is a table of approximate ranges:

TERRAIN	WORKING RANGES
Rolling Countryside	2Km
Wooded Countryside	1.2Km
Built Up Area	0.3Km

Facilities

Voice (FM) Narrow Band

Whisper

Loud

Confidence Check

Battery Low Warning



Setting Up and Operating

1. Ensure set is switched to off (0)
2. Connect Battery
3. Connect Antenna
4. Connect Headset
5. Insert into carrying case



Operator Checks

Receive – set radio to “*” (Noise On) a loud continuous hissing should be heard in headset

Transmit – set radio to “L” (Loud) Depress pressure switch and speak via the throat microphone. Sidetone should be heard in headset. Repeat with radio set to “W” (Whisper).

Fault Finding

If the radio is not working check the battery, check the headset or change the radio.