

RF-5800R-RC101**REMOTE CONTROL
SYSTEM***For DoD Customers*

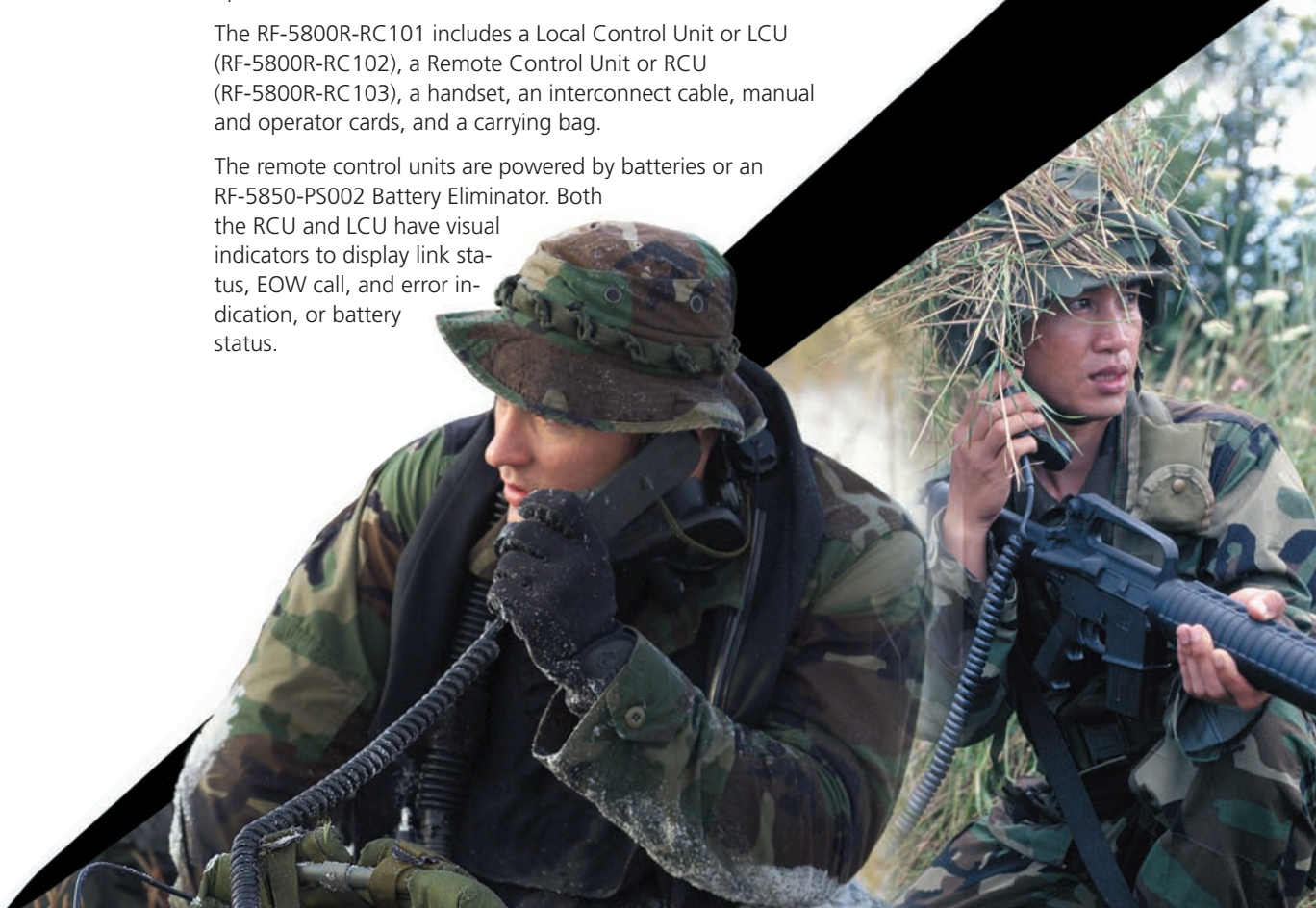
The RF-5800R-RC101 Remote Control System provides full remote control capability for the FALCON® II family of manpack radios. It provides remote transmit and receive audio, data and control up to a distances of 3.5 km using standard field wire.

The RF-5800R-RC101 replaces the RF-5800R-RC001 by adding functionality that enables support for the High Speed Interface found in the RF-5800R-RC111. Additionally, the volume control settings have been mapped to the volume control of the Harris manpack radios.

All of the radio functions controlled by the Keypad Display Unit (KDU) are available at the remote control unit, including Automatic Link Establishment, frequency hopping, and modem selections. The system supports the full range of data applications such as use of the RF-6700 series of data and imaging applications, and Tactical Chat for HF. An EOW intercom function is available between the remote and local operators.

The RF-5800R-RC101 includes a Local Control Unit or LCU (RF-5800R-RC102), a Remote Control Unit or RCU (RF-5800R-RC103), a handset, an interconnect cable, manual and operator cards, and a carrying bag.

The remote control units are powered by batteries or an RF-5850-PS002 Battery Eliminator. Both the RCU and LCU have visual indicators to display link status, EOW call, and error indication, or battery status.



Specifications for the RF-5800R-RC101

General

Compatible Radios	FALCON II Family of Radios
Input Voltage	+19.5 to +34.5 VDC

Electrical

Power Consumption	124 mA at +24 VDC
Input Protection	+/-36 VDC without damage

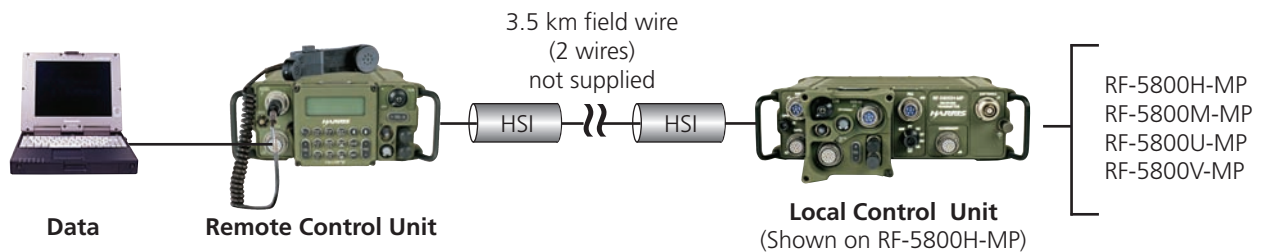
Environmental

Temperature	Operating -40°C to +70°C (-40°F to +158°F)
Humidity	RCU/LCU MIL-STD-810E (80% humidity)
Shock/Vibration	MIL-STD-810F ground mobile MIL-STD-810F loose cargo

Mechanical

Size	RCU 7.8W x 8.9D x 3.2H (in.) (19.8W x 22.6D x 8.1H (cm) LCU 3.5W x 3.5D x 3.5H (in.) (8.8W x 8.8D x 8.8H (cm)
Weight	RCU 4.0 lbs (1.8 kg) LCU 1.6 lbs (0.7 kg)
Finish	RCU/LCU CARC green 383
Spare Parts Kit	RF-5800R-SK001
Upgrade Kit	RF-5800R-UK200
Supported Batteries	BB-590/U rechargeable NiCd BB-390/U rechargeable NiMH BA-5590/U lithium 1204-2100 rechargeable lithium ion handheld

Typical RF-5800R-RC501 Remote Extension Application



High Performance Waveform (HPW) capability can be added to the RF-5800R-RC101 Remote Control System with High Speed Interface (HSI) by adding the HPW Upgrade Kit. Order model number RF-5800R-UK200 Upgrade Kit.

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Specifications are subject to change without notice.