

RF-5800R-RC501**REMOTE CONTROL
SYSTEM***For International Customers*

The RF-5800R-RC501 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-RC501 replaces the RF-5800R-RC001 by adding functionality that enables support for the High Speed Interface found in the RF-5800R-RC511. 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-RC501 includes a Local Control Unit or LCU (RF-5800R-RC502), a Remote Control Unit or RCU (RF-5800R-RC503), 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-RC501

General

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

Electrical

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

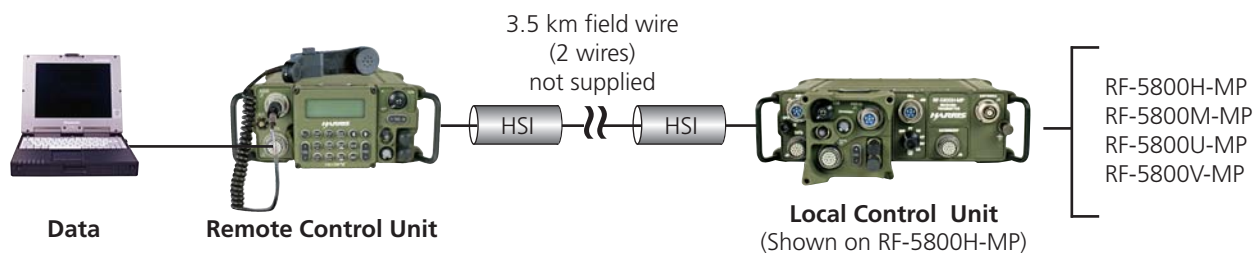
Environmental

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|------------------------|--|
| 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 |
| 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



Contact the Product Management Department at Harris Corporation, RF Communications Division for applications that use the AN/PRC-117F(C) or the AN/PRC-150(C) radios.

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Specifications are subject to change without notice.