The RF-7800R-RC Remote Control System provides full remote control capability for the FALCON III® radios including the AN/PRC-117G and AN/PRC-152. The RF-7800R-RC also supports the full Harris FALCON II® product line.

The updated design of the RF-7800R provides legacy support for transmit and receive audio, data and control using field wire, but adds fiber (external media converter required) and Ethernet capabilities for extended ranges. The RF-7800R also supports USB for data applications such as the Radio Programming Application.

All of the radio functions controlled by the Keypad/Display Unit (KDU) can also be controlled by the RF-7800R, including Automatic Link Establishment, frequency hopping and modem selections. The system supports the full range of data applications and maintains an Engineering Order Wire (EOW) intercom function between the remote and local operators.

The RF-7800R incorporates a modular design that allows either unit to function as the Local Control Unit (LCU) or Remote Control Unit (RCU). Included in the system are two control units, two battery boxes, a handset, and operator cards. The control units are powered by batteries or a RF-5850-PS002 Battery Eliminator. Each unit has visual indicators to display link status, EOW call and link error indication, or battery status.
### Specifications for the RF-7800R-RC

#### General

**Compatible Radios**
- AN/PRC-117(F(C)
- AN/PRC-152
- AN/PRC-117G
- AN/VRC-110
- RF-5800H-MP
- RF-5800M-MP
- RF-5800V-MP
- RF-5800M-V520
- RF-5800V-V500
- AN/PRC-150(C)

**Data Modes**
- Async Data
- Sync Data
- USB
- Radio Ethernet

**Power Input**
- 28 VDC Nominal
- Accepts 20 to 34.5 VDC

#### Environmental

- Shock/Vibe: MIL-STD-810F, Ground mobile
- Humidity: MIL-STD-810F
- Immersion: 1 m of water
- Temperature: -40° to +71°C
- Operation Altitude: to 15,000 ft.
- Storage Altitude: 40,000 ft.

#### Remote Kit Contents

RF-7800R-RCXXX
- Includes 2 Remote Control Units
- 2 Battery Boxes
- Single H-250 Handset
- Radio specific cable
- Operator Card

#### Remote Part Number Options

- RF-7800R-RC001: FALCON II Manpack Kit (Includes cable)
- RF-7800R-RC002: AN/PRC-152 Kit (Includes cable and KDU)
- RF-7800R-RC003: AN/PRC-117G Kit (Includes cable and KDU)
- RF-7800R-RC004: RF-5800V-V500 Kit (Includes cables and KDU)
- RF-5800M-V520 Kit (Includes cables and KDU)

#### Physical

- Height: 3.2 in. (8.1 cm)
- Depth: 8.9 in. (22.6 cm)
- Width: 7.8 in. (19.8 cm)
- Weight: Approx 3.5 lbs. (1.6 kg), Remote Control without KDU

#### RF-7800R-RC Remote Extension Applications

- **Harris Radio**
  - AN/VRC-110
  - AN/PRC-117G VAA
  - AN/VRC-103
  - AN/VRC-104

- **Flexible Options**
  - Field wire, Fiber, CAT 5

- **Full Radio Capabilities**
  - Voice and data like you were at the face of the radio

- **Private LAN**

* Consult Harris on application specifics.