



L3HARRIS™
FAST. FORWARD.

SEAMLESS INTEGRATION

Accessories for Falcon III® RF-7850A
Product Family

Everything You Need to Test, Install and Fly with Confidence

Built on combat-proven Falcon III® technology, the L3Harris Airborne family of products reliably connects up and down echelon. SWaP-optimized for deployment in fixed-wing, rotary and unmanned aerial platforms, the RF-7850A-MR and RF-7850A-UA are unmatched in the industry for high-speed networked data, voice and Full-Motion Video.

These custom accessories are engineered for enhanced aircraft integration and flawless radio performance.



RF-7850A-MR



RF-7850A-UA



In-cockpit Radio Control Unit (RCU)

RF-7850A-MR Accessories

RF-7850A-MR BENCH-TOP CABLE KIT

12178-7000-01



The RF-7850A-MR Bench-top Cable Kit provides everything needed to configure and test radios prior to aircraft installation. It includes a pigtailed cable to power the RF-7850A-MR using a 28-volt DC supply. Additional cables have industry-standard connectors for audio, data and radio control, supporting comprehensive programming, evaluation and testing in a factory setting.

Includes:

- > MR Cable Kit
 - RF cables
 - Channel 1 and 2 network/data cables
 - Channel 1 and 2 audio cables
 - 28-V power cable

KEYPAD DISPLAY UNIT (KDU)

12113-1000-32



The L3Harris KDU features the same, familiar user interface as L3Harris ground tactical radios and is ideal for non-flight commanders and crew engaged in mission coordination. It can also serve as a backup option for the primary user interface. A single KDU with a 6-foot USB cable is shipped standard with every RF-7850A-MR unit.

A Remote KDU (12113-1000-35) is available with a 20-foot USB cable.

See the L3Harris Flexible Radio Control Options brochure for additional choices, available at www.L3Harris.com.

RF-7850A-MR TUNABLE ANTENNA ADAPTER INTEGRATION KIT

12178-5750-01

This kit provides the equipment required for aircraft installation of the 12178-5700-01 Tunable Antenna Adapter.

Includes:

- > Plug for DC power
- > Plug for RF-7850A-MR
- > Plug for CH1 ANT LCU
- > Plug for CH2 ANT LCU
- > Banding tool

RF-7850A-MR TUNABLE ANTENNA ADAPTER

12178-5700-01



This adapter supports the RF-7850A-MR's ability to interface with two tunable antennas. Other antenna options are available under the RF-7850A-AT10x part number scheme.

RF-7850A-MR HOLD-UP BATTERY (HUB)

12178-6240-01



The life of the RF-7850A-MR HUB is prolonged by continued connection of the radio to primary power. However, the HUB should be replaced every 24 months to ensure uninterrupted operation. This unit can easily be changed out in-field.

RF-7850A-MR CONNECTOR INTEGRATION KIT

12178-7500-01



The RF-7850A-MR Connector Integration Kit provides aircraft installation personnel the components and instruction needed to create a platform-specific cabling harness. This includes mating connectors, backshells with strain relief and an Interface Control Document (ICD) manual for all ports on the radio.

Includes:

- > RF connectors
- > DATA/network cables
- > Audio connectors
- > KDU/USB connectors
- > Power connector
- > RF-7850A-MR ICD

Mounting options:

- > RF-5940-MT003 KDU Mount
- > 12178-7620-01 DZUS Rail Mount Kit

GPS SPLITTER KIT

12178-7200-01

This kit provides all splitter and connectors needed to configure one GPS antenna to be shared by both channels on the RF-7850A-MR.

Includes:

- > GPS antenna splitter
- > Plug SMA
- > Plug TNC

RF-7850A-UA Accessories

RF-7850A-UA BENCH-TOP CABLE KIT

12178-7000-02



This kit provides the equipment needed to configure and test radios prior to aircraft installation. It includes a pigtailed cable to power the RF-7850A-UA using a 28-volt DC supply. Additional cables have industry-standard connectors for audio, data and radio control, supporting comprehensive programming, evaluation and testing in a factory setting.

Includes:

- > L1 GPS Antenna
- > UA Cable Kit
 - Data cable
 - Audio cable
 - RF cables
 - Bench-top power cable

KEYPAD DISPLAY UNIT (KDU) IPA/VAA RF-7800V/RF-7850M BLACK

12113-1000-12



The L3Harris KDU features the same, familiar user interface as L3Harris ground tactical radios and is ideal for non-flight commanders and crew engaged in mission coordination. It can also serve as a backup option for the primary user interface. A single KDU with a 6-foot USB cable is shipped standard with every RF-7850A-MR unit.

A Remote KDU (12113-1000-12) is available with a 20-foot USB cable.

See the L3Harris Flexible Radio Control Options brochure for additional choices, available at www.L3Harris.com.

RF-7850A-UA HOLD-UP BATTERY (HUB)

12178-2007-03



The life of the RF-7850A-UA HUB is prolonged by continued connection of the radio to primary power. However, the HUB should be replaced every 12 months to ensure uninterrupted operation. This unit is easily changed out in-field.

RF-7850A-UA CONNECTOR INTEGRATION KIT

12178-7500-02



The RF-7850A-UA Connector Integration Kit gives personnel the components and instructions needed to create a platform-specific cabling harness. This includes mating connectors, backshells with strain relief and an ICD manual for all ports on the radio.

Includes:

- > RF connector
- > GPS and audio connectors
- > PA connector
- > Power and network connectors
- > RF-7850A-UA ICD

RF-7850A POWER SUPPLY

RF-7850A-PS001



The RF-7850A-PS001 is a low-profile, ruggedized solution supporting deployment of the RF-7850A-UA in platforms using MIL-STD-704 compliant VDC aircraft power. This high-efficiency DC/DC mounted power supply converts 28 VDC to 12 VDC for the UA. It includes EMI filters, input/output isolation capabilities, zero voltage switching technology, and over-voltage and over-temperature shutdowns with auto recovery.

POWER SUPPLY BENCH-TOP CABLE KIT

12178-5620-01



This kit provides everything needed to configure and test the 28 VDC to 12 VDC power supply prior to aircraft installation. It includes a pigtail cable to power the RF-7850A-UA using a 28-volt DC supply. The output power cable has industry-standard connectors for connection to the RF-7850A-UA001.

Includes:

- > Power input cable
- > Power output cable

POWER SUPPLY CONNECTOR INTEGRATION KIT

12178-5610-01



The kit has all the components and instructions needed to create a platform-specific cabling harness for the power supply. This includes mating connectors, backshells and an ICD manual for both of the products' ports.

Includes:

- > Power input connector
- > Power output connector
- > RF-7850A-PS001 ICD

In-cockpit RCU Accessories

RCU BENCH-TOP CABLE KIT

12178-5000-01



This kit provides all cables and equipment needed to connect the RCU to the radio for configuration and testing prior to aircraft installation.

RCU CONNECTOR INTEGRATION KIT

12178-5500-01



The Integration Kit includes components and technical information required to create the platform-specific cabling harness connecting the RCU to aircraft power and radio.

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Seamless Integration: Accessories for Falcon III® RF-7850A Product Family

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