



L3HARRIS™
FAST. FORWARD.

RF-9800R **REMOTE CONTROL KIT**

Data-Rich Covert Communications



YOUR ULTIMATE DEFENSE IN ADVERSARIAL ENVIRONMENTS

The RF-9800R is ideal for covert and border operations when troops are under threat of attack. The Remote Control Kit allows warfighters to receive and transmit resilient data and voice from friendly forces at up to 5 km—preventing adversaries from pinpointing locations of edge-warrior transmissions. It can be employed as a standalone solution or used in tandem with the RF-7800I Tactical Intercom System. The kit is compatible with legacy and Falcon® IV radios.

LOCAL CONTROL UNIT

The CU800 Local Control Unit is the foundation of the RF-9800R Remote Control system.

- > Supports two channels or two individual radios
- > Up to 10 radios via Real-Time-Protocol over IP audio
- > Two USB/serial connections
- > Dedicated power and Ethernet connections for two KD800 crew stations
- > WD1 field wire support for data rates up to 12 mb at 300 meters and 250 kb at 5 kilometers
- > Nighttime blackout mode
- > Simplified program application streamlines configuration and upgrades



Dimensions	3.36 x 8.53 x 5.1 in (8.53 x 21.67 x 12.95 cm)
Dimensions With Battery	3.36 x 8.53 x 10.07 in (8.53 x 21.67 x 25.58 cm)
Weight With Battery	7.19 lb (3.26 kg)
Color	Available in green per RAL6007 or tan per FED-STD-595B 33446



REMOTE CONTROL UNIT

The NM100 Remote Control Unit delivers the remote user interface

- > Two power and Ethernet connections for two KD800 crew stations
- > Serial console programming interface
- > WD1 field wire support for data rates up to 12 mb at 300 meters and 250 kb at 5 kilometers

Dimensions	3.36 x 8.53 x 5.1 in (8.53 x 21.67 x 12.95 cm)
Dimensions With Battery	3.36 x 8.53 x 10.07 in (8.53 x 21.67 x 25.58 cm)
Weight With Battery	7.32 lb (3.3 kg)
Color	Available in green per RAL6007 or tan per FED-STD-595B 33446





ENTERNET KEYPAD DISPLAY UNIT

Intuitive, flexible interface

The RF-7800I-KD800 provides real-time Command and Control to the RF-9800R and connected radios. It allows Falcon® users to remotely control radio parameters, navigate presets, send calls to network users and display GPS information.

- > Customized power configuration through high-resolution OLED display
- > Simplified, push-button access to intercom and radio channels
- > Software-powered configuration of function and position of control icons
- > Audio feedback language options

Input Voltage Range 18-36 VDC or POE

Dimensions (HxWxD) 2.07 x 4.96 x 6.77 in

Weight ~2 lb (<1 kg)



SOFT KEYPAD APPLICATION

Remote access through multiple devices

The RF-7800I-SKA Soft Keypad Application utilizes Windows® or Android™ platforms for remote control access of up to 18 operators through the RF-9800R or RF-7800I Systems via smartphones, tablets or laptops.

- > Full remote system access from any device with LAN connectivity
- > Secure IP connectivity supporting TYPE 1 wireless data waveforms
- > Radio remote control and crossbanding

Supported Software	Microsoft® Windows® 7
	Microsoft® Windows® 10



RADIO GATEWAY

Add radios quickly, affordably

With the RF-7800I-RG200, users can fully integrate more radios into the RF-9800R Remote Control, providing more remote capabilities without the added expense of another Local Control Unit.

The two-channel Radio Gateway features flexible Ethernet connectivity with voice-to-data communications via radio over IP.

- > Remote control of L3Harris radios from crew stations at distances of up to 2 km*
- > Ruggedized for harsh environments; also night vision and black-out mode compatible
- > Software-defined with a built-in Web User Interface for simplified configuration and upgrades

* Refer to radio interoperability list

Input Voltage Range 10.5-36 VDC

Current Efficiency (Max) < 2 watts

Dimensions (HxWxD) 1.72 x 7.5 x 4.5 in
(4.37 x 19.05 x 11.43 cm)

Weight 2.9 lb (1.36 kg)

RF-9800R-RC100 REMOTE KIT

The RF-9800R-RC100 provides clear voice and integrated control for two local radios connected to the RF-7800I-KD800. This enhances user safety by removing them from the immediate RF footprint of transmitting radios.

Note: See your L3Harris Sales Representative for additional RF-9800R kit options.



RF-9800R-RC100 KIT		
PART NUMBER	DESCRIPTION	QUANTITY
RF-7800I-KD800	Keypad Display Unit, Ethernet, 2 Headsets, Green	1
RF-9800R-CU800	Local Control Unit, Green	1
RF-9800R-NM100	Fieldwire Network Module, Green	1
10075-1399	Handset, Modified H-250	1
10303-1008-01	Ground Stake Kit	2
12023-2970-01	Wire, Field 20 feet	1
12106-1451-A10	Cable Assy, Crew to 6 Pin Audio, Non-coiled	1
12106-2353-A006	Cable Assy, CU to 2 Eth, RS-232, RT Angle	1
12254-6006-A006	Cable Assy, Remote	1

ALTERNATE HEADSETS AND ANCILLARIES	
PART NUMBER	DESCRIPTION
A06-0013-001 / 002	Bose PICVC Integrated Helmet Heavy ANR Headset Med / Large
A06-0015-002	Racal Under-the-Helmet Light ANR Headset
RF-5980-SA001	Speaker, Tactical
RF-5940-MT004	Mount Assy, RF-7800I Crew Station Gimbal
RF-5910-PS005	Battery Eliminator, CARC Green, NA Cord, EU Adap
12106-1050-A32	Crew Station to Headset Cable
12106-1367-A004	Cable Assy, RF-5980-SA001 to Crew Station
12254-6008-A006	Cable Assy, KD800 to RJ45

Note: See your L3Harris Sales Representative for additional part numbers.

ENVIRONMENTAL	
Operating Temperature Range	-40°F to +149°F (-40°C to +65°C)
Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)
Immersion	1 meter

RADIO INTEROPERABILITY	
Cables	Part Number
AN/PRC-117F	12106-1405-A006
AN/PRC-117G	12106-1414-A006
AN/PRC-150 (manpack)	12106-1501-A006
AN/PRC-150 (20 W)	12106-1502-A006
AN/PRC-150 (150 W)	12106-1503-A006
AN/PRC-150 (125/400 W)	12106-1503-A1/A2
AN/PRC-152	12106-1401-A006
AN/PRC-152	12106-1421-A006
AN/PRC-152A	12106-2480-A006
AN/PRC-158	12106-1560-A006
AN/PRC-159	12106-1561-A006
AN/PRC-160	12106-1504-A006
RF-7800H (manpack)	12106-1502-A006
RF-7800H (20 W)	12106-1502-A006
RF-7800H (150 W)	12106-1503-A006
RF-7800H (125/400 W)	12106-1503-A1/A2
RF-7800H (any config w/FW 2.0 or greater)	12106-1504-A006
RF-7800M	12106-1413-A006
RF-7800S (voice)	12106-1509-A006
RF-7800S (voice and data)	12106-2510-A006
RF-7850S (voice and data)	12106-1561-A006
RF-7800V-HH	12106-1412-A006
RF-7850M-HH	12106-1412-A006
RF-5800M-HH	12106-1507-A006
RF-5800M-MP	12106-1505-A006
RF-5800V-HH	12106-1507-A006
RF-5800V-MP	12106-1505-A006
TVA (45 degrees)	12106-1421-A006
6-Pin audio	12106-1420-A006

Note: See your L3Harris Sales Representative for additional part numbers.

FAST. FORWARD.

The RF-9800R and RF-7800I are manufactured by L3Harris under license from WB Electronics

RF-9800R Remote Control Kit

© 2022 L3Harris Technologies, Inc. | 03/2022 BR2117A

Non-Export Controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

