

RF-5800R-RC001 **REMOTE CONTROL** **SYSTEM**



LCU



RCU

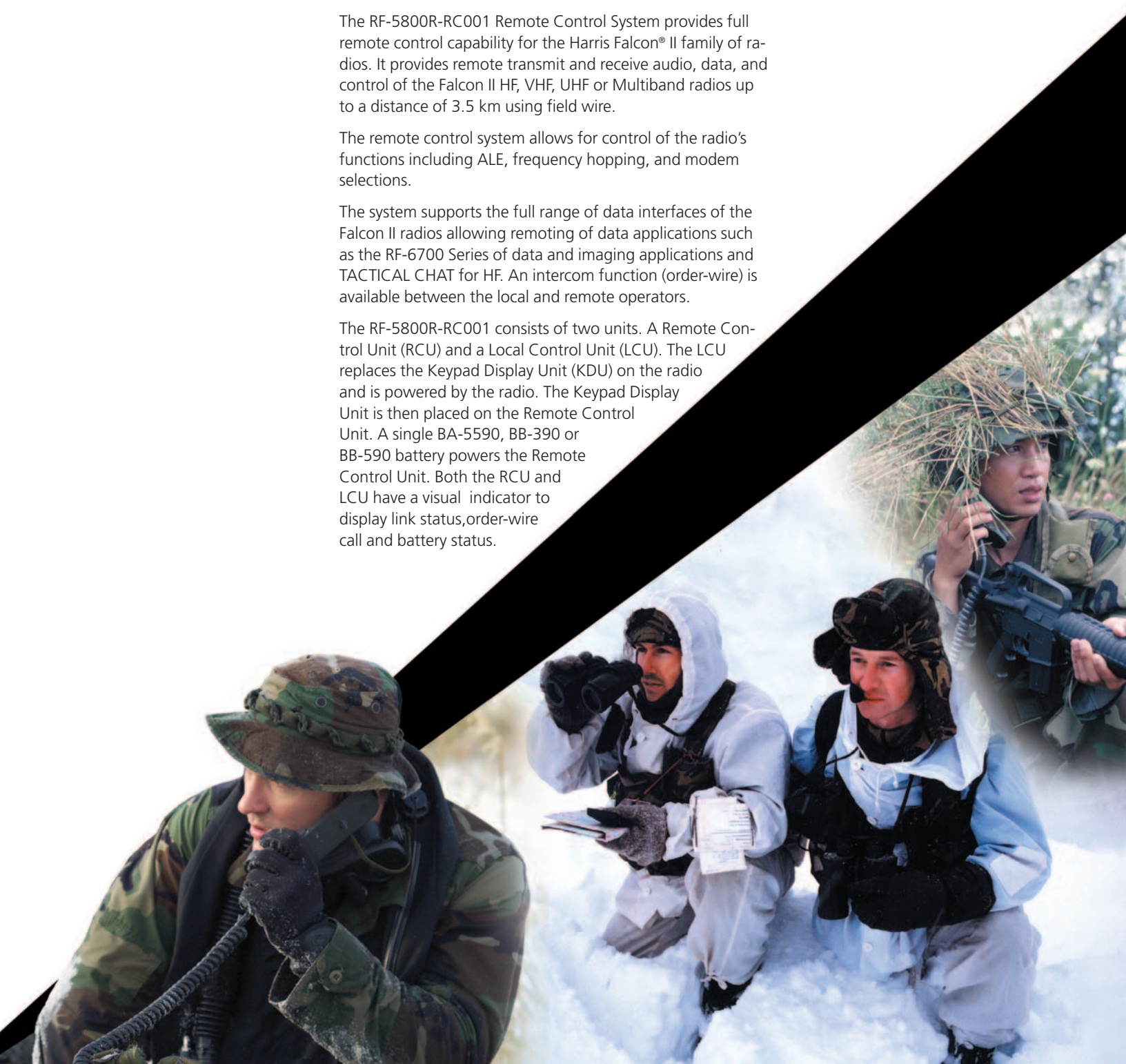
(Shown with optional KDU)

The RF-5800R-RC001 Remote Control System provides full remote control capability for the Harris Falcon® II family of radios. It provides remote transmit and receive audio, data, and control of the Falcon II HF, VHF, UHF or Multiband radios up to a distance of 3.5 km using field wire.

The remote control system allows for control of the radio's functions including ALE, frequency hopping, and modem selections.

The system supports the full range of data interfaces of the Falcon II radios allowing remoting of data applications such as the RF-6700 Series of data and imaging applications and TACTICAL CHAT for HF. An intercom function (order-wire) is available between the local and remote operators.

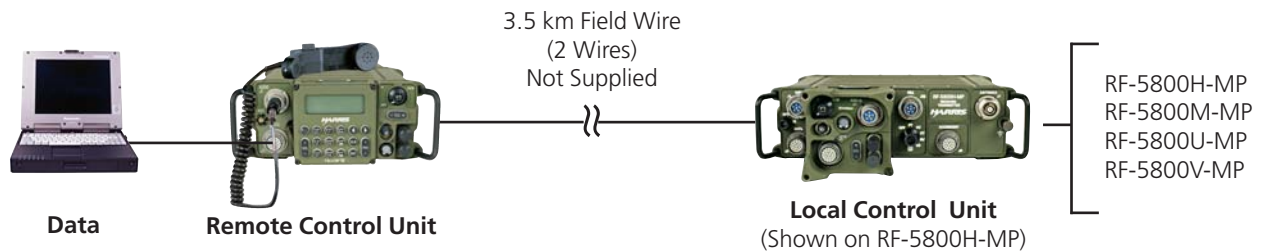
The RF-5800R-RC001 consists of two units. A Remote Control Unit (RCU) and a Local Control Unit (LCU). The LCU replaces the Keypad Display Unit (KDU) on the radio and is powered by the radio. The Keypad Display Unit is then placed on the Remote Control Unit. A single BA-5590, BB-390 or BB-590 battery powers the Remote Control Unit. Both the RCU and LCU have a visual indicator to display link status, order-wire call and battery status.



Specifications for the RF-5800R-RC001

Remote Control Functions	Transmit and Receive Audio All Radios Functions (ie: ALE, ECCM, Data) Asynchronous and Synchronous Data Interface Order-Wire Volume Control Visual Indication of link status, order-wire and battery status – with lights out function
Control Distance	3.5 km field wire
Power Supply	RCU – 26 VDC (nominal) from single BA-5590, BB-390 or BB-590 battery LCU–Powered from attached radio
Temperature Range	-40° to +70° C operation
Shock/Vibration	MIL-STD-810F
Immersion	3.3 feet (1 meter)
Humidity	MIL-STD-810F
Size	RCU – 7.77W x 3.18H x 8.91D inches LCU – 3.44W x 3.44H x 3.5D inches
Mass	RCU – 3.9 lb (1.8 kg) LCU – 1.5 lb (0.7 kg)
Consists of	RF-5800R-RC002 Local Control Unit (LCU) RF-5800R-RC003 Remote Control Unit (RCU) with battery box Handset Carrying Bag Interconnect cable from LCU to FALCON II Radio Instruction Card and Instruction Manual
Optional	Additional Keypad Display Unit for local control of radio

Typical RF-5800R-RC001 Remote Extension Application



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

FALCON is a registered trademark of Harris Corporation.
Specifications are subject to change without notice.