



# RCU-9310D

REMOTE CONTROL UNIT



The Sunair RCU-9310D is a full-function remote control unit designed for use with the 9000D series of radios, transmitters, and receivers. The next generation RCU's front panel, with TFT display and keyboard entry, is identical to the unit being controlled, providing operational ease. The RCU provides the same operating modes as the radio, including AME, NB-FM, USB, LSB, ISB, CW, and Data (with external modems); and it is also capable of remotely controlling the Automatic Link Establishment (ALE) functions of the RT-9000D when the radio is equipped with the internal ALE option. The RCU-9310D provides remote operation of Sunair peripheral equipment, including the F-9800 Pre-Selector/Post-Selector, LPA-9500/LPA-9600 Power Amplifiers, and CU-9125/CU-9150 Antenna Couplers.

The Sunair RCU-9310D may be remoted using RS-232/RS-422 or for longer distances using Ethernet or leased lines via an optional internal FSK modem. Furthermore, using RS-422 or Ethernet allows the RCU to control several 9000D series radios using a single control unit.

Advanced built-in-test (BITE) capability provides feedback to the lowest replaceable unit (LRU) level for both the local RCU as well as the companion 9000D series radio. The remote control's intuitive modular design allows for ease of maintenance and upgrade throughout the equipment life cycle at minimal expense. Thousands are in daily service as integral components of critical strategic communications solutions worldwide.

- Remote Control via Serial and Ethernet
- Controls Multiple Radios
- Comprehensive BITE to LRU - Local and Remote
- Identical to Radio Front Panel

## PRODUCT SPECIFICATIONS

GENERAL	
Serial Communications	
Digital	* RS-232: 300, 600, 1200, 2400, 4800, 9600 bps * RS-422: 300, 600, 1200, 2400, 4800, 9600, 19200 bps * ETHERNET
Analog	FSK
Word Length	10 Bits (1 Start, 7 Data, 2 Stop); No Parity
Control Data Format	ASCII
Control Operation	Asynchronous
Input Power	* DC: 28 VDC * AC: 115 / 230 VAC $\pm$ 15%, 47 - 63 Hz
Audio Output	* 5 W Into Internal Speaker, <1% THD * 600 $\Omega$ Balanced @ -20 dBm to +10 dBm * Headset: Low Impedance
Audio Input	Microphone and 600 $\Omega$ Balanced at -20 to +20 dBm
MTBF	8000 Hours
MTR	15 Minutes
Dimensions	* 5.96 H x 17.83 W x 10.0 L (in) * 15.1 H x 45.3 W x 25.4 L (cm)
Weight	15 lbs (6.8 kg)
Construction	Modular Plug-In Assemblies, Field Serviceable
Origin	Designed and Manufactured in the U.S.A.

PERIPHERAL EQUIPMENT OPTIONS	
Mounting	* Shroud and Rack Slides For EIA Standard 19 Inch Rack * Desktop * Shockmount Kit
Spares Kits	Running Spares, Field Modules
Radios	RT-9000D / R-9000D / T-9000D

ENVIRONMENTAL	
Temperature	* Operating: -30°C to +55°C (-22°F to 131°F) * Optional: +60°C (140°F) * Storage: -40°C to +85°C (-40°F to 185°F)
Humidity	95% at 55°C (122°F), Non-Condensing; Splash-Resistant Front Panel
Shock	MIL-STD 810F, Method 516.5, Procedure 1
Vibration	MIL-STD 810F, Method 514.5 & MIL-STD-167-1
Altitude	* Operating: Up to 10,000 Feet * Storage: Up to 40,000 Feet



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