Remote Control for Air Traffic Control Radios

Across a Room or Across an Ocean – Connect and Control

Overview

The General Dynamics Remote Control Unit (RCU) was designed specifically for operators and maintainers to remotely control and manage up to two transceivers. The intuitive RCU saves time and money by enabling key personnel to monitor and control critical ground-to-air radios without having to travel to remote radio sites.

Features

- Dual microphone and audio control circuitry for independent channel operation
- Remotely control up to two CM-300/350 (V2) transceivers
- Mic PTT and headset audio
- GUI functions
- Change frequency
- Squelch enable/disable
- Up to 9 user configurable presets per channel
- Monitor connection between RCU and radios
- Compatible with General Dynamics VOAD, (ED-137 VoIP adapter).
- Real time monitoring
- Operational status of the transceiver
- TCP/IP connection

Remotely control up to two remote CM-300/350 (V2) transceivers over a network connection

7” touch screen computer for control and status of transceivers

Control radio channels manually or with nine user-defined presets

Dual microphone and audio control circuitry for independent channel operation

19” rack mountable – 4.3” max. depth

Compatible with ED137 Voice Over IP adapters to minimize infrastructure cabling
Remote Control for Air Traffic Control Radios

Specifications

- **Power Supply**
  - AC 120/240 switch
  - 85-265 VAC 50-60 Hz

- **Current** 250mA rms

- **Physical Characteristics**
  - 19” W X 7”H X 4.3”D
  - Weight 11 lbs.

- **Headset Impedance**
  - Balanced 600Ω (+/- 10 %) output
  - A 6.35 mm (.25 inch), 2 pole connector

- **Local Microphone Connector**
  - 5.33 mm (.21 inch), 3-conductor jack that may be used with a dynamic microphone.

IP Transport Connection

- **Remote Site**
  - Ethernet Switch
  - VoIP Receive Audio and Radio Control
  - VoIP Transmit Audio and Radio Control
  - Ethernet Switch
  - Tower
  - Radio Control
  - Remote 1

- **ADVANTAGE**
  - VoIP Audio and Radio Control are Combined Into a Single Cat 5 Cable

Analog Transport Connection

- **Remote Site**
  - Receive and Transmit Audio
  - Analog Audio

- **Tower**
  - Analog Audio
  - Separate Analog Audio and IP Control
  - IP Radio Control
  - Remote 1

GENERAL DYNAMICS
Mission Systems

actinfo@gd-ms.com • gdmissionsystems.com/atc • 800-424-0052

©2021 General Dynamics. All rights reserved. General Dynamics reserves the right to make changes in its products and specifications at anytime and without notice. All trademarks indicated as such herein are trademarks of General Dynamics. All other product and service names are the property of their respective owners. © Reg. U.S. Pat. and Tm. Off.