GENERAL DYNAMICS
Mission Systems

Remote Control for Ground to Air Radios

Across a Room or Across an Ocean – Connect and Control

Remotely control up to two URC-300 transeceivers and/or CM-300/350 (V2) radios 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

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

- Remotely control and monitor one or two URC-300 transceivers
- Operate each channel independently with separate mic, PTT, and headset audio controls
- Operate on one of 9 user configurable presets per channel or manually change frequency and other settings
- Touchscreen GUI for ease of operation
- Real time monitoring of connection status to radios and radio operational status
- Ethernet ports on RCU and radio allow monitor and control via direct cable connection or connection over an IP network
- Direct audio connection to radios up to 300 feet away
- Compatible with General Dynamics VOAD (ED-137 VoIP adapter) for audio connections over an IP network

* For additional information on controlling CM-300/350 (V2) radios please visit gdmissionsystems.com/atc.

Remote Control for Ground to Air 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
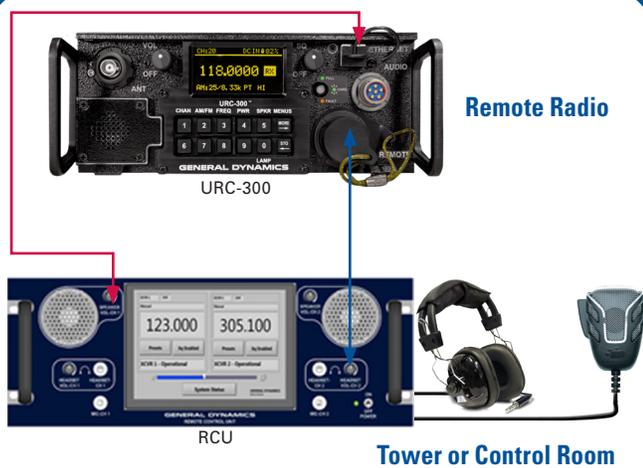 - 5.33 mm (.21 inch), 3-conductor jack that may be used with a dynamic microphone.

KEY

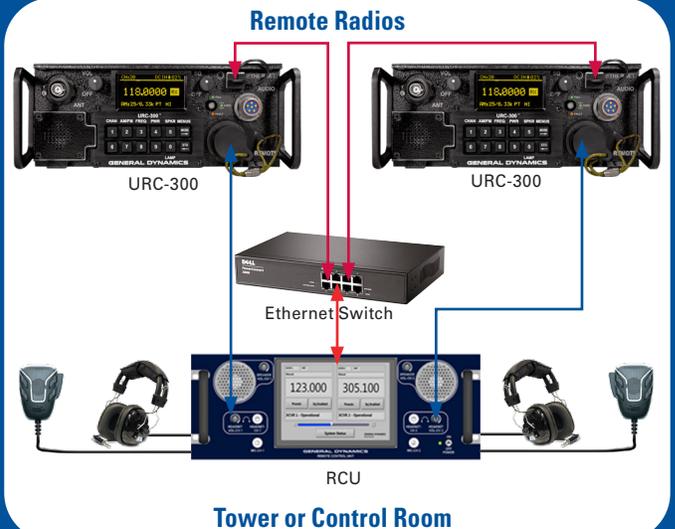
= IP Radio Control   = Analog Audio (300' max)   = VoIP Audio
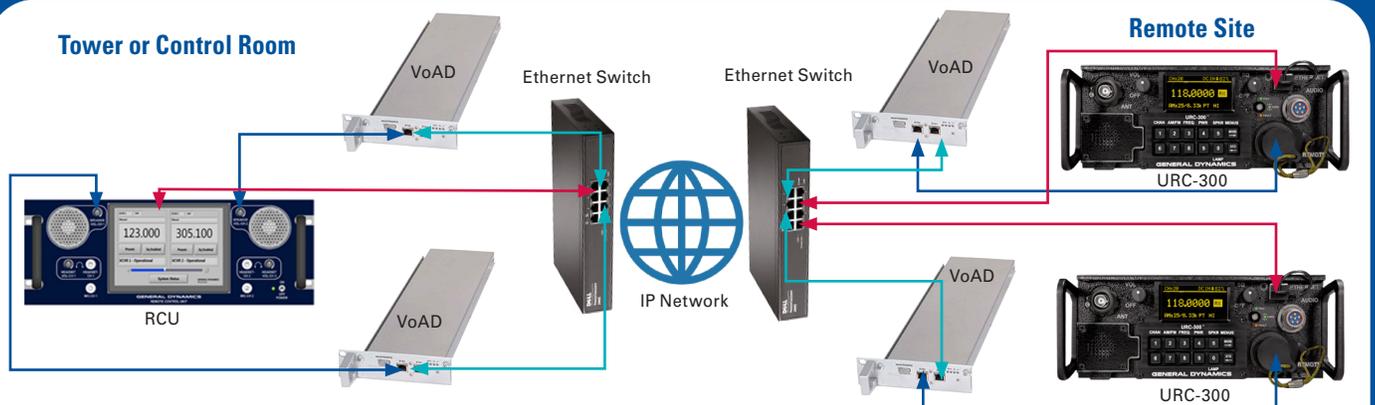
Analog Transport Connection (One Radio)

URC-300

Remote Radio

123.000   305.100

RCU

Tower or Control Room

Ethernet switch is not required when controlling one radio

Analog Transport Connection (Two Radios)

Remote Radios

URC-300   URC-300

Ethernet Switch

123.000   305.100

RCU

Tower or Control Room

IP Transport Connection (One or Two Radios)

Tower or Control Room

VoAD   Ethernet Switch   Ethernet Switch   VoAD

Remote Site

URC-300

123.000   305.100

RCU

VoAD

IP Network

VoAD

VoAD

URC-300

Two additional VOADS and cabling are required to control the second radio

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D-RCU-07-1021