

LongArm®

Remote Control Software

LongArm is a modular, stand alone remote control system designed to provide single or multiple workstation control. The LongArm environment consists of suites of pluggable applications, coupled with a powerful engine that provides common functions and communications. The result is a flexible remote control system that provides the control capabilities needed today, that can grow to meet tomorrow's needs.



Radio Control to Anywhere From Anywhere

- Virtual control of remote radios
- Simultaneous support of multiple radios
- Integrated control of multiple vendors' products in one easy-to-use interface
- Support for multiple communications media, including direct connection, Ethernet, microwave, and phone lines
- Multiple operators have coordinated control over many or all radios attached to the LongArm system
- Communication link redundancy ensures constant radio control

Economic and Flexible

- Reduction of personnel and maintenance costs by giving a single operator control of multiple radios and providing off-site maintenance capabilities for remote assets
- Routing information to multiple radios through a single communications line reduces the number of communication links needed
- Using suites of pluggable applications means buying only what is needed to control your assets
- The Windows® 2000 - based control software is compatible with most widely used commercial hardware and software
- Control of one to hundreds of devices from either one or many workstations

The LongArm control system is a combination of hardware and software that supports an almost unlimited number of attached assets. The LongArm control system can be configured with up to hundreds of control stations. The control station provides the ability to configure, control, and monitor the remote equipment through a powerful and intuitive graphical user interface.

If you have a small number of radios in a single location, you may require only one control station. If you have numerous radios or they are located in multiple locations, you may utilize multiple control stations. Radios attached to one control station can be accessed from any connected control station in your system.

The LongArm environment gives you the same radio control capabilities, whether the radio is connected directly to the control station in front of you, or is located thousands of miles away, making differences in remote and local radio control invisible to the operator.

LongArm Radio Control Application

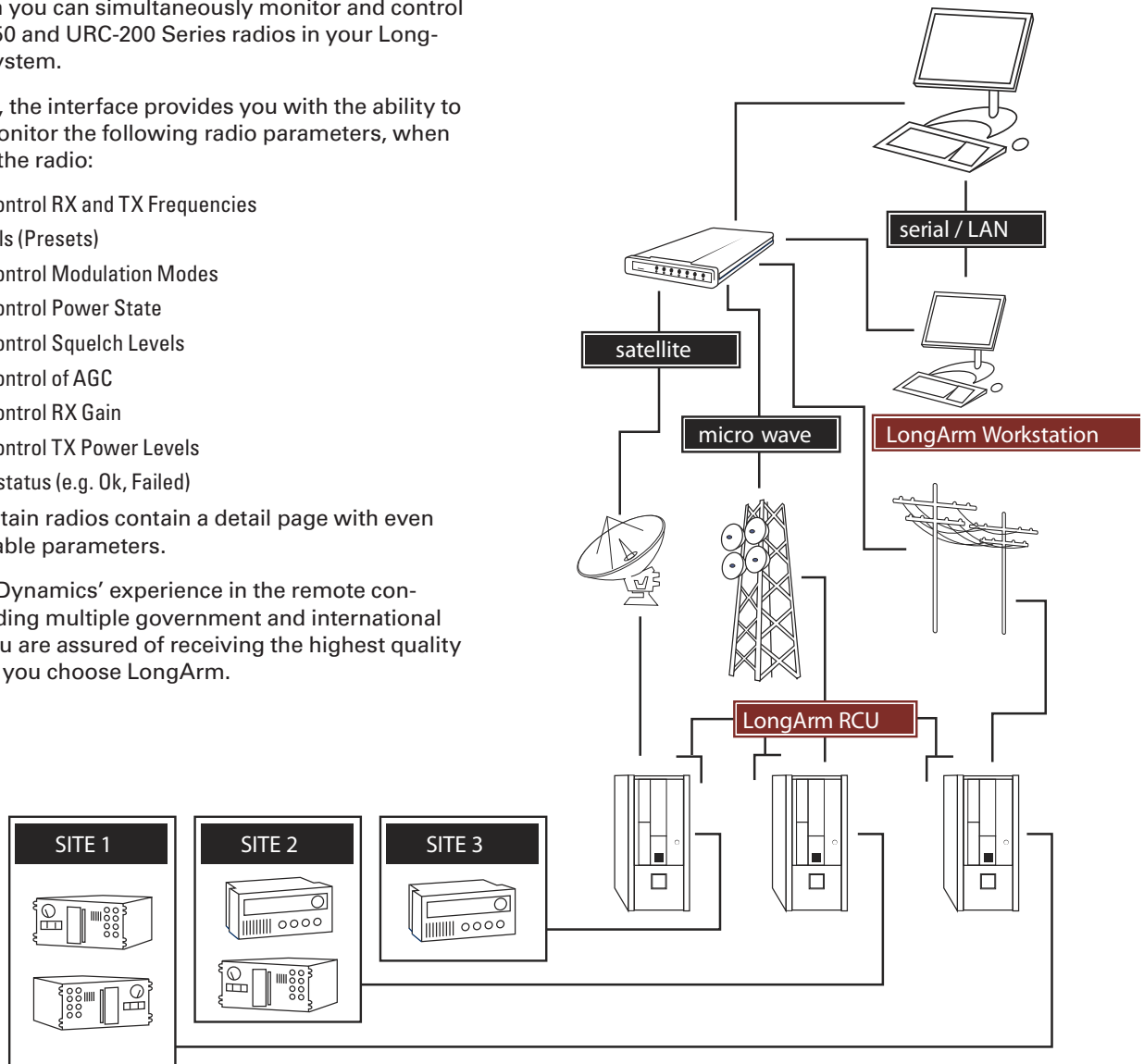
The Radio Control application is a universal radio interface through which you can simultaneously monitor and control the CM-300/350 and URC-200 Series radios in your LongArm control system.

At a minimum, the interface provides you with the ability to control and monitor the following radio parameters, when supported by the radio:

- Monitor and control RX and TX Frequencies
- Select Channels (Presets)
- Monitor and control Modulation Modes
- Monitor and control Power State
- Monitor and control Squelch Levels
- Monitor and control of AGC
- Monitor and control RX Gain
- Monitor and control TX Power Levels
- Monitor radio status (e.g. Ok, Failed)

Drivers for certain radios contain a detail page with even more controllable parameters.

With General Dynamics' experience in the remote control field including multiple government and international customers, you are assured of receiving the highest quality product when you choose LongArm.



GENERAL DYNAMICS
C4 Systems

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