



ACA-E5 Now Supports RIO Text over IP

With the release of Firmware Version 4.00.03, the ACA-E5 controller now supports Russound I/O (RIO) protocol for IP-based third-party control system integration.

NOTE: The ACA-E5 serial ports do not support RIO.

RIO is a newly designed command protocol that improves third party integration support. RIO text, a simplified ASCII command set, makes it easier to develop UI devices and applications that require software drivers for Russound system integration and control. The ACA-E5 supports up to 8 concurrent sessions of RIO over IP. Here is a summary of the services provided by this new command set:

- Serves as a superset of the existing RNET protocol capability
- Full 2-way communication capability
- The RIO Command Set is available as ASCII text via IP (using port 9621)
- Commands for realtime configuration and monitoring of system parameters such as Volume, Zone On/Off, Source Selection, Party Mode, DND, Source/Zone Names, Preamp Controls and more
- Support for asynchronous notification of activity on a per-zone, per-source and per-system basis.
- Support for Media Management ('Content Browsing and Selection'). This provides a compressed command set, making it easy to develop a UI device capable of mimicking the current Russound UNO-TS2 behavior. This presents the Menu choices and Media Lists from the E-Series system to the 3rd party UI via a small set of RIO 'MM' events.
- Support for submitting multiple commands in a single request (with multiple results in a single response)
- Easy-to-understand error responses for illegal or malformed commands
- Full documentation of the RIO protocol

For more information about RIO Text, download our Third Party Development Toolkit from our Document Center. It contains all the protocol document and details about how to use RIO Text to integrate new data features with third party system hardware.

Sphere Technical Support: 1-866-604-5245 M - F 8:30 a.m. - 7 p.m. EST



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USA 603.659.5170

5 Forbes Road, Newmarket, New Hampshire 03857
www.russound.com

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