



The RCI Remote Control Interface and MCS Mic Control Surface provide flexible and intuitive monitoring and remote control of 6416m Mic Input Modules.

A single RCI and MCS can be used to control up to 64 channels of 6416m inputs, regardless of their location in the network. Alternatively, any number of RCI Remote Control Interfaces can be installed throughout a Pro64® network, providing multiple control points. The Control Group function on the 6416m and RCI allows control of network channels to be divided among up to four different simultaneous users and control points.

Audio settings for each 6416m channel—gain, phase, low cut filter, 24dB pad, phantom power, and mute—as well as 6416m module presets can be controlled from the MCS Mic Control

Surface. Sixty-four bicolor LEDs provide real-time status monitoring of the 64-channel network stream, while a high resolution meter provides detailed monitoring of the selected channel's signal level. All level meters include a switchable peak hold.

The RCI can also be used as a stand-alone monitor station; any Pro64 network audio resource can be selected (from the RCI or MCS) and monitored using the built-in headphone and/or line-level XLR outputs. MCS Mic Control Surfaces can be connected and disconnected from the RCI without affecting network behavior.

On the rear panel, the RCI features an XLR output jack. A-Net® network connections on the RCI, as well as the Control ports on both devices, use heavy-duty locking EtherCon® connectors.

PRODUCT HIGHLIGHTS

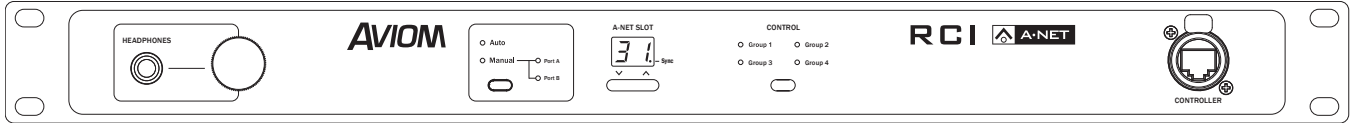
- Flexible remote control architecture supporting multiple control points
- Control Groups for segmenting control among multiple users
- Network monitor station with line-level & headphone outputs
- Control of all 6416m channel audio parameters
- Real-time metering of 64-channel network stream plus
- High resolution metering of the selected channel
- Save and recall of 6416m presets

RCI TECHNICAL SPECIFICATIONS

Controller port	EtherCon RJ45	Accepts MCS
Headphone Monitor	1/4-inch TRS, mono, with level control	
Monitor Output	XLR jack, balanced line level, mono	
XLR Output	Pin 1: Shield; Pin 2: Hot; Pin 3: Cold	
XLR Output Level	+4dBu (Pad off), -17dBu (Pad on); rear-panel switch	
Max. Ambient Temp.	50°C	
A-Net	2 EtherCon RJ45 connectors	
A-Net Cable Length	400 feet (120 meters) between devices	
Latency	Analog input to analog output: <800µs	
Power Supply	100–240VAC	50–60Hz, 24W
	Internal switching type; IEC connector	
Backup Power	4-pin XLR; 24 Volt DC Pin 1 = Ground; Pin 2/3 no connect; Pin 4 24VDC	
Dimensions	1U; 19" w x 8" d x 1.75" h (482.6 x 203.2 x 44.45 mm)	
Weight	7 pounds (3.17 kg)	

MCS TECHNICAL SPECIFICATIONS

Controller port	EtherCon RJ45	Connects to RCI
Channel Level	64 bicolor LEDs	
High Resolution Meter	10-segment, -48 to 0dB	
Peak Hold	On/Off	
Gain Control	Rotary; per channel, in 1dB steps	
6416m Channel Controls	Phase On/Off	
	Low Cut Filter On/Off	
	24dB Pad On/Off	
	+48V Phantom Power On/Off	
	Mute On/Off	
Preset Management	Save/recall 16 presets; stored in the 6416m Mic Input Module	
Dimensions	6" w x 5" d x 1.5" h (152.4 x 127 x 38.1 mm)	
Weight	2 pounds (0.91 kg)	
<i>All Aviom products are designed and manufactured in the U.S.A.</i>		

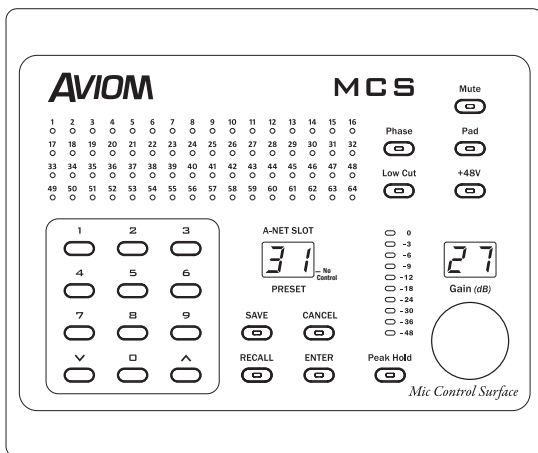


▲ RCI FRONT PANEL FEATURES

- Headphone monitor with volume control
- Control Group 1-4 selection
- Auto/Manual port selection
- A-Net Slot select and sync interface
- Controller port for MCS

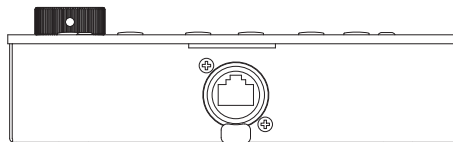
▼ RCI REAR PANEL FEATURES

- XLR balanced monitor output
- XLR Output 21dB Pad
- Dual A-Net ports
- Backup DC power inlet

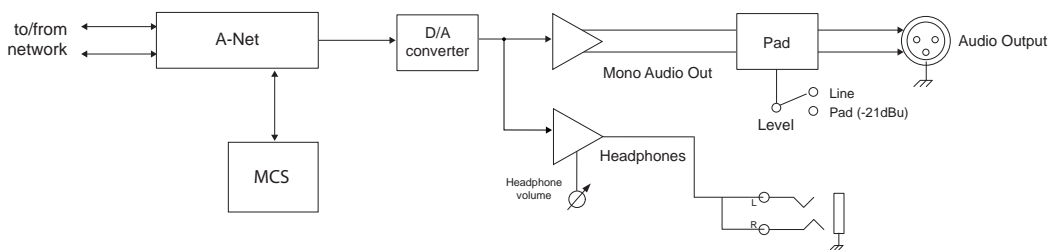


MCS FEATURES

- Monitor up to 64 active Pro64 network channels simultaneously
- Full real-time control of the selected channel's gain, phase, mute, pad, +48V phantom power, and low cut filter
- High resolution meter for the selected channel
- Switchable peak hold
- Save and recall of 6416m presets
- Intuitive user interface with numeric keypad
- Simple Cat-5 connection to RCI



RCI BLOCK DIAGRAM



ARCHITECTURAL SPECIFICATIONS

The Aviom RCI Remote Control Interface shall act as a single-channel network monitor station and a remote control access point for the MCS Mic Control Surface as part of a Pro64® A-Net® network.

The RCI shall include a network mode selection button with LED indicator, headphone monitor with volume control, line-level XLR output with 21dB pad, and a Controller port for connecting the MCS Mic Control Surface.

The unit shall be powered by an internal universal power supply (110 to 240VAC) with an AC power receptacle with fuse; it shall have a 4-pin XLR interface to support 24V DC backup power. It shall be UL and CE listed. The unit shall have EtherCon® RJ45 connectors for the A-Net digital signal connections.

Its dimensions shall be 19 inches wide, 8 inches deep, and 1U (1.75") high. Its net weight shall be 7 pounds, and its front panel shall be finished in blue. The unit shall be Aviom Incorporated model RCI.

The Aviom MCS Mic Control Surface shall connect to the RCI Remote Control Interface and provide remote control of channel audio parameters on 6416m Mic input Modules as part of a Pro64® A-Net® network.

The MCS shall include a numeric keypad, 64 channel-level LEDs, high resolution meter, rotary gain control, and selection buttons for 6416m Mic input Module channel strip functions.

The unit shall be DC powered by the RCI when connected with a Cat-5 cable. It shall be UL and CE listed. The unit shall have an EtherCon® RJ45 connector for connecting to the RCI.

Its dimensions shall be 6 inches wide, 5 inches deep, and 1.5 inches high. Its net weight shall be 2 pounds, and its front panel shall be finished in blue. The unit shall be Aviom Incorporated model MCS.