

Model ACU-I Audio Control Unit and Accessories

The ACU-1 is an eight balanced stereo input by one stereo output audio switcher with level control capabilities via RS232 commands. Input selection can be programmed to interlock or mix. The system also incorporates silence sensors, parallel logic inputs, multiplex outputs, control relays, a clock/calendar and an optional temperature sensor. While the switcher can be operated manually, the maximum power and flexibility is achieved by connecting one or more ACU-1's to a single serial data port of a host computer. The simple ASCII command structure allows for rapid development of very powerful 'one-off' customized automation systems. Front panel indicators include left and right VU meters, channel selection indicators and left and right silence alarm status indicators. Rear panel screw terminals are mounted on removable connector boards.

Model #	Description	Price
ACU-1	Audio Control Unit—computer controlled 8 channel audio switcher	\$1799.00
ACU-1/CB	Replacement Connector Board for ACU-1	39.00
ACU-1/TS	Digital temperature sensor (optional)	49.00

Model AFS-3 Audio Failsafe

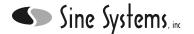
The AFS-3 Audio Failsafe is typically used to trigger an alarm on a remote control system or terminate transmission if program audio fails. It monitors one or two audio signals and maintains a relay contact closure as long as audio is present on at least one of the two audio inputs. When no audio is present on either input for a preset length of time, the relay contacts open. The length of the delay is adjustable from 30 seconds to 5 minutes in 30-second increments via rotary switch. Front panel indicators include power, system enabled, audio present and alert status. Controls include a front panel defeat switch, rear panel delay adjustment and internal jumpers to select options such as an audible alert and logic voltage on the output relay.

Model #	Description	Price
AFS-3	Audio Failsafe—terminate transmission on program audio failure	\$349.00

Model CAS-I Con/Air Switcher and Accessories

The CAS-1 is a solution to the signal delay problem caused by digital processing and transmission equipment. Most digital broadcast gear has an inherent delay on the order of 5 to 50 milliseconds. When this equipment is installed in the 'air' feed, there will be a very short delay between the live audio and the air audio monitor. This delay is particularly noticeable and most annoying during live breaks when the air staff hears their own voice delayed in their monitor. The CAS-1 substitutes a local audio feed (not delayed) in place of the (delayed) air feed to the monitor when the mic is on. An audio correlation circuit compares the two audio signals and switches the monitor to the air feed if the signals are not similar. Additionally, controls for equalization and compression can be used to tweak the monitor audio so that it sounds like the live air feed.

Model #	Description	Price
CAS-1	Con/Air Switcher—removes digital signal delay from headphone monitor	\$599.00
CAS-1/RK	Rack Kit for CAS-1	39.00



Model CTI-2 Computer Temperature Interface and Accessories

The CTI-2 is very simply a digital thermometer for broadcast automation systems. The device attaches to a serial port on any PC and gives the temperature when prompted. Communications parameters are adjustable and the device can be calibrated for accuracy. Resolution is to a tenth of a degree Fahrenheit. One temperature sensor is included. A USB to serial adapter is available for use with computers that do not have a serial port.

Model #	Description	Price
CTI-2	Computer Temperature Interface—serial output thermometer	\$299.00
TS-1	Replacement temperature sensor	29.00
WPC-1	Weatherproofing Capsule for TS-1	5.00
CTI-2/USB	USB to RS-232 (COM) port adapter	39.00

Model DAI-2 Dial-up Audio Interface and Accessories

The DAI-2 is designed primarily for unattended remote broadcasts but with the array of features included its uses are unlimited. The DAI-2 combines a telephone auto-coupler, a DTMF tone operated controller, audio switching, alarm sensing and output relays into an extraordinarily flexible system. Telephone audio can be used as a source or the DAI-2 can back feed an external audio source. The integrated relay panel includes one 4PDT and seven DPDT relays with LED indicators. All connections are made with pluggable screw-terminal connections. The optional DB-1 Delay Board can be used to eliminate the brief control tone bursts from reaching the air audio signal. The DAI-2/CI Composite Insertion module (formerly model CIM-1) is available for installations were discrete audio is not available.

Model #	Description	Price
DAI-2	Dial-Up Audio Interface—remote broadcast via telephone	\$959.00
DAI-2/CI	Composite Insertion Module	159.00
DAI-2/DB	50 millisecond Delay Board	159.00

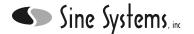
Model MBC-1.5 Message Board Controller and Accessories

The MBC-1.5 is designed to replace the various strobe lights and colored beacons that are a part of most broadcast studios. It has 15 signaling inputs for relay closures or logic level sources and a serial output that connects to an electronic message display—typically an inexpensive Beta-Brite by AMS. Each input can trigger a unique message on the display and multiple display devices can be connected to a single MBC-1.5. Messages are stored in the display so the same input can trigger different messages on different displays. A factory setup feature programs the display with a list of "starter" messages. The display is fully programmable by the user.

Model #	Description	Price
MBC-1.5	Message Board Controller—interface studio equipment to text display	\$399.00
BB-Classic	BetaBrite Classic LED display (4 colors)	349.00
BB-Prism	BetaBrite Prism LED display (RGB color)	449.00
MBC-1/BBC	Message Board Controller with BetaBrite Classic display	748.00
MBC-1/BBP	Message Board Controller with BetaBrite Prism display	848.00
MBC-1/OC2	2-channel Optocoupler	29.00
MBC-1/CP1	Display cable package 1 (single display)	29.00
MBC-1/CP2	Display cable package 2 (dual display)	49.00
MBC-1/CPX	Display adapter only—user supplies shielded cable	19.00
MBC-1/USB	USB to RS-232 (COM) port adapter	39.00

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Model RAK-2 Intelligent Rack Adapter

The RAK-2 features an embedded RFC-1 controller with a built-in wired network interface and web server. The remote system gains network connectivity while maintaining the traditional RFC-1 voice mode interface. Both voice and data interfaces are included as part of the standard device. Also included are telephone line surge suppression and front panel status indicators. The system is housed in a high-quality, 1U, rack-mountable aluminum chassis similar in design to that of the original RAK-1. The RAK-2 is a great upgrade path for existing RFC-1 systems. Relay panels and telemetry input surge protection are purchased separately.

Model #	Description	Price
RAK-2	Intelligent Rack Adapter with embedded RFC-1 (network and voice enabled)	\$1999.00
RP-8	8 channel Relay Panel	479.00
SP-8/TO	Heavy Duty Surge Protector without telephone protection	109.00

Models RCS-8 and RCS-16 Remote Control Systems (scheduled release March 2012)

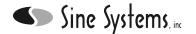
The RCS series of remote control systems feature an embedded RFC-1 controller with a built-in wired network interface and web server plus, internal telemetry inputs, control relays and surge suppression. These systems combine the features and functions of the RFC-1, RAK-2, RP-8 and SP-8 in a single device. The remote system gains network connectivity while maintaining the traditional RFC-1 voice mode interface. Both voice and data interfaces are included as part of the standard devices. Also included are telemetry and telephone line surge suppression and front panel status indicators. The system is housed in a high-quality, 2U, rack-mountable aluminum chassis. All I/O connections are made through removable, screw-terminal euro-style connectors.

Model #	Description	Price
RCS-8	Remote Control System with 8 internal channels of telemetry and control	\$2799.00
RCS-16	Remote Control System with 16 internal channels of telemetry and control	\$3699.00

Models RCS-8xl and RCS-16xl Remote Control Systems (scheduled release March 2012)

The RCS "xl" series remote control systems have all of the features of the standard RCS series devices plus latching relays and internal telemetry logic voltage. Latching relays are enabled on a per-relay basis so any individual relay can be set to latch independently of all others. Internal telemetry logic voltage is selectable on a per-channel basis. When enabled, this voltage is present on the associated telemetry input allowing the system to sense external relay closures without an external voltage source. Latching relay and logic voltage options are enabled with internal DIP switches. The system is housed in a high-quality, 2U, rack-mountable aluminum chassis. All I/O connections are made through removable, screw-terminal euro-style connectors.

Model #	Description	Price
RCS-8xI	Remote Control System with 8 internal channels of telemetry and control	\$2999.00
RCS-16xl	Remote Control System with 16 internal channels of telemetry and control	\$3999.00



Model RFC-I/B Remote Facilities Controller and Accessories

The RFC-1/B is an affordable, full-featured transmitter remote control system that can be accessed through a standard telephone or cellular phone. Readings are reported with a natural sounding human voice. The basic system consists of an RFC-1/B and an RP-8 Relay Panel that provides eight channels of telemetry and raise/lower control. Up to eight relay panels can be connected for a maximum of 64 channels. Eight status-only channels can be added using the SIP-8 Status Input Panel. This 1U panel has 8 status inputs and no control relays. The RFC-1/B can be programmed to perform power/pattern changes and take readings automatically. It can also be programmed to alert station personnel during an alarm condition. For surge protection on the telephone line and telemetry signals use the SP-8 Surge Protector.

Model #	Description	Price
RFC-1/B	Remote Facilities Controller - monitor and control transmitter via telephone	\$1199.00
RP-8	8 channel Relay Panel for RFC-1/B	479.00
Model #	Accessory	Price
ACM-2	AC Current Monitor	\$149.00
AFS-3	Dual Channel Audio Failsafe—silence sensor (also works as standalone device)	349.00
DCA-2	DC Telemetry Amplifier	129.00
DCA-2/PS	DC Telemetry Amplifier with power supply	149.00
MA-2	Modem Adapter	349.00
PA-2	Parallel Printer Adapter	269.00
RS-232	Serial Communications Adapter	269.00
SIP-8	8-channel Status Input Panel for RFC-1/B	329.00
SP-8	Heavy Duty Surge Protector with telephone protection	149.00
SP-8/TO	Heavy Duty Surge Protector without telephone protection	109.00
SU-5/A	Firmware update	99.00
TS-1	Temperature Sensor	29.00
TS-1/PS	Temperature Sensor with power supply	49.00
WPC-1	Weatherproofing Capsule for TS-1	5.00

Model RAK-I Intelligent Rack Adapter

The RAK-1 is designed for use with the RFC-1/B Remote Facilities Controller. It adds a modem, parallel printer port, battery backed power supply, and telephone line surge suppression and front panel indicators in a high-quality, 1U, rack-mountable aluminum chassis. Most of these options are available for the RFC-1/B separately, however, the RAK-1 is easily the most economical way to upgrade the RFC-1/B with all of these options. Furthermore, the RAK-1 is a field upgrade for RFC-1/B systems that are already installed. RFC-1/B software (firmware) version 4.00 or higher is required for upgrade.

Model #	Description	Price
RFC-1/RAK	Intelligent Rack Adapter–complete system including RFC-1/B	\$1949.00
RAK-1	Intelligent Rack Adapter–upgrade model (modem, printer port, battery backup)	849.00
RP-8	8 channel Relay Panel	479.00
SP-8/TO	Heavy Duty Surge Protector without telephone protection	109.00

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Model TAS-I Telephone Announcement System

The TAS-1 is a complete time and temperature delivery system that does not require an external host computer. Advertising or informational messages are recorded in nonvolatile digital storage that requires no battery backup. Outgoing message options include: an opening greeting than can be a single message of up to 30 seconds, two rotating messages of up to 15 seconds each, or three rotating messages of up to 10 seconds each. An optional closing message can be up to 15 seconds. The basic TAS-1 system works with up to two telephone lines. The system is expandable with model TAS-1/EX Expansion Unit which adds the capability of up to 6 more lines. A maximum of ten expansion units can be added for a total of 62 lines.

Model #	Description	Price
TAS-1	Telephone Announcement System—gives Time and Temp via telephone	\$999.00
TAS-1/EX	6 line Expansion Unit for TAS-1	999.00
TAS-1/TS	Digital temperature sensor (replacement)	49.00
TAS-1/SE	100 foot Extension Cable for TAS-1 temperature sensor	39.00
TAS-1/C3	Interconnect Cable for TAS-1 expansion-3 units	19.00
TAS-1/C10	Interconnect Cable for TAS-1 expansion-10 units	39.00

Model TSN-3 Thermal Sentry and Accessories

The Thermal Sentry provides an indication of operating efficiency by measuring the temperature difference across two points of a system. This device uses two precision sensors to monitor the temperature at the air intake and exhaust points of the main transmitter cabinet. The temperature differential is calculated and displayed on the front panel LED display. After normal operating conditions are determined, the tolerance can be set to provide a warning when the temperature goes out of range. Thermal efficiency can warn of problems like clogged air filters, failed cooling blowers and antenna icing before damage occurs to the transmitter. In addition to the alarm status output, analog outputs are available for intake, exhaust and differential temperatures.

Model #	Description	Price
TSN-3	Thermal Sentry—transmitter condition monitor	\$379.00
TS-1/MP	Temperature Sensors (matched pair)	59.00

Model TTI-2 Time • Temp • ID Delivery System

The TTI-2 gives automated stations the ability to announce the local time and/or temperature in a professional sounding voice (male) upon a command from the automation system. It also has the ability to store two user recordable messages of up to 30 seconds each that can be used for station identification or sign on/sign off messages. A contact closure is all that is required to trigger the TTI-2 announcement and it provides a contact closure back to the automation system when it is done speaking. The clock is battery backed. Both the time and temperature can be calibrated for accuracy.

Model #	Description	Price
TTI-2	Time/Temp/ID—announces Time and Temp with optional user message on Air	\$649.00
TS-1	Replacement Temperature Sensor	29.00
WPC-1	Weatherproofing Capsule for TS-1	5.00

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