



W I S D O M®

SC-2 & SC-3 RS232 System Control Information

The SC-2 96 kHz System Controller and SC-3 96 kHz System Controller come equipped with an RS-232 interface to allow an external control system such as AMX, Control4, Crestron, or Savant to control the system. All basic operational modes are supported (operate, standby, selecting presets).

Connection Specification:

- The RS-232 DB-9 female connector is wired as a DCE, and connects via straight cable to a DTE, or via null modem/crossover cable to another DCE.
- The Pinout:
 - Pin 2 is the TRANSMIT for data *from* the SC-2/SC-3 96 kHz System Controller to the control system, and carries RS-232 signal name RxD.
 - Pin 3 is the RECEIVE for data *from* the control system to the SC-2/SC-3 96 kHz System Controller, and carries RS-232 signal name TxD.
 - Pin 5 is the GROUND/COMMON for the pin 2 and pin 3 signals.
 - The other pins are not connected; the shell is grounded at the chassis.
- Signal names RxD and TxD are named from the point of view of the DTE and that is why the signal names appear to be backward but are not per the standard. Off the shelf USB- RS-232 Adapters plug right into the port and work as expected with no special configuration.
- Communication parameters are:
 - Baud Rate: 9600
 - Bits: 8
 - Parity: None
 - Stop Bits: 1

On Startup:

When the SC-2 96 kHz System Controller or SC-3 96 kHz System Controller is first powered up, it will identify itself to the external control system via the RS-232 port, by sending one of these messages:

- Ready
- ERROR

Depending on whether there is at least one preset that has been calibrated and is available for use. For proper operation, at least one preset must be saved into the non-volatile memory.

All specifications are subject to change at any time in order to improve the product.

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Commands

- OPERATE - Will bring the unit out of standby and into on state
- STANDBY - Will bring the unit into standby
- EQ1 - Will make Preset 1 Live, will also bring the unit out of standby
- EQ2 - Will make Preset 2 Live, will also bring the unit out of standby
- EQ3 - Will make Preset 3 Live, will also bring the unit out of standby
- EQ4 - Will make Preset 4 Live, will also bring the unit out of standby
- EQOFF - Will make Bypass Live, will also bring the unit out of standby
- STATUS - Will provide a list of current status to the control system

Commands are terminated by either a CR (carriage return) or LF (line feed) character. Responses to all commands are either OK or ERROR (when trying to address a non-existent preset)

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