

Sage Alerting Systems

ENDEC Remote Hand Control (RC-1)

1. Overview

The hand held remote control (RC-1) provides the same interface that the front panel does, at a distance. The RC-1 is required if multiple stations are using a single ENDEC (unless all stations are controlled from a single point). The hand held remote control will also make the ENDEC easier to use from the front panel by providing additional single-key commands.

The RC-1 will work with both the original ENDEC model 1822, and with the Digital ENDEC model 3644. The major differences are that the Digital ENDEC does not provide accessory power on COM2, and the Digital ENDEC can support 9600 baud on COM4 and COM5.

Documentation on the use of the RC-1 with the ENDEC is provide in ENDEC Peripherals section of the user's guide for your ENDEC. The manuals are available at:

<http://www.sagealertingsystems.com/support-manuals.htm>

2. Using the RC-1 with the ENDEC Model 1822

The Hand Control is powered from the serial port ACC POWER line (pin 9). This pin is enabled with a jumper. See section 12.2, "Accessory Power" in the ENDEC Model 1822 User's Guide and Reference Manual for details. Note: if the serial number on your Model 1822 ENDEC is 3340 or less, you will need to make the change in your hand control specified in section 7.1.4, "Modifying model RC-1 for use with +5v ENDECs" of the ENDEC Model 1822 User's Guide and Reference Manual.

2.1 RS-232 Hookup

The default baud rate of the RC-1 is 9600 baud. You can attach it to any of the 9600 baud serial ports (Computer, COM2, COM3, COM6) on the model 1822 ENDEC, use the supplied cable. You can attach it to COM4 or COM5 by changing the hand control's baud rate to 1200 using the procedure in section 7.1.3, "Changing the RC-1 Default Parameters" in the ENDEC Model 1822 User's Guide and Reference Manual. You must assign a device type of "Hand Control" to the ENDEC serial port you want to use for each RC-1. Use the Devices menu from the front panel, or the Device tab with the ENDECSET program.

3. Using the RC-1 with the ENDEC Model 3644

The Hand Control is powered from the serial port ACC POWER line (pin 9). This pin is enabled with a jumper. See section "Accessory Power" in the Connector Descriptions chapter of the ENDEC Model 3644 User's Guide and Reference Manual for details.

3.1 RS-232 Hookup

The default baud rate of the RC-1 is 9600 baud. You can attach it to any of the serial ports except COM2, which does not supply accessory power. You must assign a device type of "Hand Control" to the ENDEC serial port you want to use for each RC-1. Use the Devices menu from the front panel, or the Device tab with the ENDECSETD program.

4. Hand Controller Cable

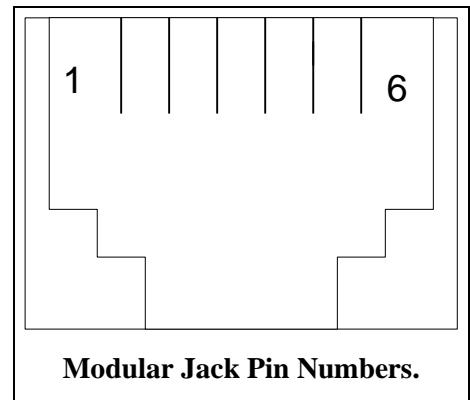
The RC-1 comes with a DB-9 to RJ-11 adapter. The pin out of the adapter is shown below.

RJ-11 Adapter Pin	DB-9 Pin	Use (ENDEC Point of view)
1	5	Ground
2	9	Acc Power out
3	-	nc
4	2	RS-232 Receive
5	-	nc
6	3	RS-232 Transmit

The adapter is connected to the RC-1 with a modular six-wire line cord that reverses the pins from one end to the other. Use only the cord that comes with the RC-1 or a replacement that reverses, such as Radio Shack Cat No. 279-422. Use of an improper cord can damage the RC-1 and the ENDEC.

The pin out of the RC-1 Hand Held Remote Control RJ-11 jack is shown below.

Hand Control RJ-11 Pin	Signal Name (RC-1 point of view)
1	RS-232 Receive
3	RS-232 Transmit
5	9V @ 80ma
6	Ground



5. More Information

Refer to the chapter on "ENDEC Peripherals" in the ENDEC User's Guide and Reference Manual for additional information on using the RC-1 with the ENDEC.