

**SIMPLWINDOWS
NAME:**

Vantage Q-Series Keypad Interpretation

CATEGORY:

Lighting

VERSION:

2.0

SUMMARY:

Allows a Vantage keypad to be used as a control panel for the Crestron system

GENERAL NOTES:

This macro allows a Vantage Q series system Keypad to control the Crestron system. It will allow any of the 10 buttons on a standard Vantage keypad to be pressed and released. These press/release actions will be reflected at the output of the module. When the inputs of the module are driven high or low, the corresponding LED on the Vantage panel will turn on or off respectively.

You must use a separate module for each keypad that is to be used as a control panel. You specify which keypad is to be monitored using the four parameter fields in the module. The values to use in these fields are the hex equivalents of the ASCII digits 0-9. For example, for a 0, use 30, for a 1, use 31.

NOTE: The Vantage has several RS232 ports available. Some of them are not recommended for use from a control system.

RS232 terminal port on the Master Terminal Board -- This may be used by Crestron and has been tested by Crestron. RTS/CTS are not necessary but may be used if there is a loss of data.

Q-RS232S RS232 station -- This may be used by Crestron and has been tested by Crestron. RTS/CTS are not necessary but may be used if there is a loss of data. SEE NOTE BELOW.

DB25 RS232 port on the Master Controller -- Vantage does not recommend using this port for control system connection. It has not been tested by Crestron.

NOTE: In order to get feedback from the Vantage, using the Q-RS232S RS232 station, the Q-RS232S must be programmed into the Vantage using their QLink software. See the literature that came with the Q-RS232S for more details on this. Below is a brief description of how to add the Q-RS232S.

1. Open the QLink software and connect your computer to the Vantage.
2. Open the program(.qlk) for the Vantage system you are working on.
3. Select a location to add the rs232 port to.
4. Go to Add\Station\RS232.
5. Select the port settings you wish to use, then click ok.
6. Go to System\Configure Stations.
7. Select Configure under Online Configuration.
8. Select the RS232 port.
9. Press the configure button on the Q-RS232S box. You will need a paper clip.
10. The Q-RS232S should now be added to the system.
11. Be sure to save the file to flash back up.

NOTE: To get the presses from the Vantage, you must pulse the enable_switch_feedback input on the module. If you add more than one

Interpretation module to your program, you will only need to pulse this input on one of the modules.

**CRESTRON
HARDWARE:** CNXCOM,
ST-COM

**SETUP OF CRESTRON
HARDWARE:** Baud Rate - 19200
Parity - None
Data Bits - 8
Stop Bits - 1

RTS/CTS may be used if there are a large number of devices on the Vantage system. It is not normally necessary.

VENDOR FIRMWARE: 6.20

VENDOR SETUP: The baud rate is set to 19200 as a default. Be sure it has not been changed.

CABLE NUMBER: CNSP-125 or CNSP-143 for Hardware Handshaking (RTS/CTS)

CONTROL:

FEEDBACK-*	D	Activate the corresponding LED on the Vantage panel
Enable_Switch_Feedback	D	Press to enable feedback on this type of module.
Disable_Switch_Feedback	D	Press to disable feedback for this type of module.
VANTAGE-RX\$	S	Receiving String
MASTER TENS HEX	P	Identifies the Master Tens place
MASTER UNITS HEX	P	Identifies the Master Ones place
STATION TENS HEX	P	Identifies the Station Tens place
STATION UNITS HEX	P	Identifies the Station Ones place

FEEDBACK:

PRESS-*	D	Outputs go high when the corresponding button on the Vantage keypad is pressed. Outputs go low when the button is released.
VANTAGE-TX\$	S	Outgoing String

OPS USED FOR TESTING: 5.12.63x

COMPILER USED FOR TESTING: SimplWindows Version 1.61.13

SAMPLE PROGRAM: Vantagetsta.smw

REVISION HISTORY:

2-6-2002: Changed the help file to add information about which RS232 ports to use on the Vantage. Added information about how to set up the Vantage to use certain ports. Added inputs to allow for feedback for the presses.