

**SIMPLWINDOWS
NAME:**

Vantage Q-Series Keypad Control/Monitor

CATEGORY:

Lighting

VERSION:

2.0

SUMMARY:

Provides full control and monitoring of a 10 button Vantage keypad

GENERAL NOTES:

This macro allows the full control/monitoring of a 10 button Vantage keypad.

Use a separate macro for each keypad to be controlled/monitored.

Specify which keypad is to be monitored using the four parameter fields in the macro. 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, and so on.

To enable/disable real-time status updates from the Vantage system, use the ENABLE-FEEDBACK and DISABLE FEEDBACK inputs. When the ENABLE-FEEDBACK input is pulsed, the Vantage system will start sending real-time status messages for all keypads in the system. It will continue to send status updates until the DISABLE-FEEDBACK input is pulsed. Typically, you would pulse the ENABLE-FEEDBACK input on only one macro upon startup of the system. These inputs do not need to be used on more than one Vantage macro. They can be defined as 0 on all other Vantage macros.

The macro also has a FLASH-OSC input. It is used to make the LED's Flash on the Crestron panel, when they are flashing on the Vantage panel. Typically, a single oscillator in the main program can be used to drive all the FLASH-OSC inputs on all the Vantage macros.

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.

**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:

BUTTON-1	D	Multiple Keypad Button Press 1
BUTTON-2	D	Multiple Keypad Button Press 2
BUTTON-3	D	Multiple Keypad Button Press 3
BUTTON-4	D	Multiple Keypad Button Press 4
BUTTON-5	D	Multiple Keypad Button Press 5
BUTTON-6	D	Multiple Keypad Button Press 6
BUTTON-7	D	Multiple Keypad Button Press 7
BUTTON-8	D	Multiple Keypad Button Press 8
BUTTON-9	D	Multiple Keypad Button Press 9
FLASH-OSC	D	Activates Flashing LED FB
ENABLE-FEEDBACK	D	Activates LED FB
DISABLE-FEEDBACK	D	Deactivates LED FB
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:

LED-1	D	Activates LED 1
LED-2	D	Activates LED 2
LED-3	D	Activates LED 3
LED-4	D	Activates LED 4
LED-5	D	Activates LED 5
LED-6	D	Activates LED 6

LED-7	D	Activates LED 7
LED-8	D	Activates LED 8
VANTAGE-TX\$	S	Out Going 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.