SIMPLWINDOWS NAME:	Boeckeler PointMaker Fixed Commands
CATEGORY:	Other
VERSION:	1.0
SUMMARY:	Sends out commands for color selection/line type/pointer type/etc.
GENERAL NOTES:	

PointMaker USAGE OVERVIEW:

There are two different ways that a Boeckeler PointMaker Telestrator can be controlled from a Crestron system:

In method 1, the only controls on the touchpanel will be a 2-dimensional slider object which will send coordinate information to the Boeckeler. By dragging a finger across the slider, lines can be drawn in any shape or size. If this object is overlaid on top of a video or RGB window, the drawing of the line can be seen in real time. If the corners are tapped, different colors can be chosen, and the undo and clear functions can be activated. This method will require one connection between the Crestron system and the Boeckeler.

In method 2, in addition to the 2-dimensional slider object on the touchpanel, there can also be discrete buttons for color selection, line type, pointer type etc. Typically the 2-d slider object would occupy a portion of the screen, and the discrete buttons would be placed in the frame area around the 2-d slider. This offers all the normal drawing capabilities, plus easy access to to the extra functions. This method will require two connections between the Crestron system and the Boeckeler.

If you are using a Crestron TPS-5000/6000 panel, these panels have the Boeckeler drawing grid driver incorporated. With these panels, the RS232 port on the touchpanel can be connected to a com port on the Boeckeler to activate all of the drawing grid functions. See the Crestron PointMaker Telestrator manual for information on setting up the TPS panel for this functionality.

If you are using any other Crestron touchpanel, you will need to use the BOECKELER PointMaker DRAWING GRID module to use the drawing capabilities of the Boeckeler.

With any Crestron touchpanel (TPS and all others), if you want to use the discrete button selection of color, pointer types, etc., you will need to use the BOECKELER PointMaker FIXED COMMANDS module. You will also need to use a second communications channel to connect the Crestron system to the Boeckeler.

MODULE-USAGE:

This module will allow discrete selection of the following parameters on a Boeckeler PointMaker Telestrator:

1. Color selection
2. Line thickness
3. Line shadows
4. Overlay selection
5. Pointer type
6. Background selection

7. Clear/Undo
8. Monitor type

These functions are triggered by standard touchpanel buttons. They do not need or involve the telestrator coordinate commands.

This module should work with any of the following Boeckeler PointMaker models:

PVI-83 with com4 (recommended)
PVI-73
PVI-44

CRESTRON HARDWARE REQUIRED:	CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	Baud Rate - 9600 Parity - None Data Bits - 8 Stop Bits - 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	Use any of the available com ports to connect to the Crestron system. After selecting the com port, you must follow these steps to enable it to respond to these commands: 1. Using the Boeckeler keyboard, go into the setup menu 2. Select Hardware Setup 3. Select Serial Ports 4. Select Control Port 5. At the bottom of the screen highlight the com port number. 6. Press Enter until the desired com port is displayed 7. Exit from the setup menu by choosing "Exit Setup Menu" 8. Cycle power to the Boeckeler system.
CABLE NUMBER:	CNSP-134

CONTROL:

COLOR-*	D	Pulse to select the color to be used for drawing
LINE-*	D	Pulse to select the type of line to display
OVERLAY-*	D	Pulse to select which PointMaker overlay to display
UNDO	D	Pulse to activate the undo function, to remove the last line drawn
CLEAR	D	Pulse to clear the currently selected overlay
BACKGROUND*	D	Pulse to change the background display
POINTER-*	D	Pulse to select different pointer styles
MONITOR-*	D	Pulse to select the type of monitor
RESTART-POINTMAKER	D	Pulse to reinitialize the PointMaker

FEEDBACK:

BOECKELER-TX$	S	Serial signal to be routed to a 2-way RS232 port

.UPZ FILE USED FOR TESTING: 5.11.65x.upz

COMPILER USED FOR TESTING: SimplWindows Version 1.51.06

SAMPLE PROGRAM: Boeckeler PointMaker Demo

REVISION HISTORY: None