Vantage / Legrand
vantagecontrols.com

AV Programming Associates, inc.
avprogramming.com

Vantage InFusion Crestron Programming

InFusion Task module

Files Used
Infusion Task v1.2 (AVPA).usp

Version History		
Version	**Date**	**Notes**
1.0	03/05/08	Initial Release
1.1	03/23/09	Updated
1.2	02/24/10	Converted original module to a simpl+ module

IMPORTANT NOTE

Before using this module it is necessary for you to have read and understand the main document regarding Crestron integration with Vantage
(Refer to document with the InFusion Processor module).

The following inputs must be set high (1) on the InFusion Processor module:

status_TASK

This module will trigger or query a task programmed into an Infusion Processor. It also displays the current feedback of the task.

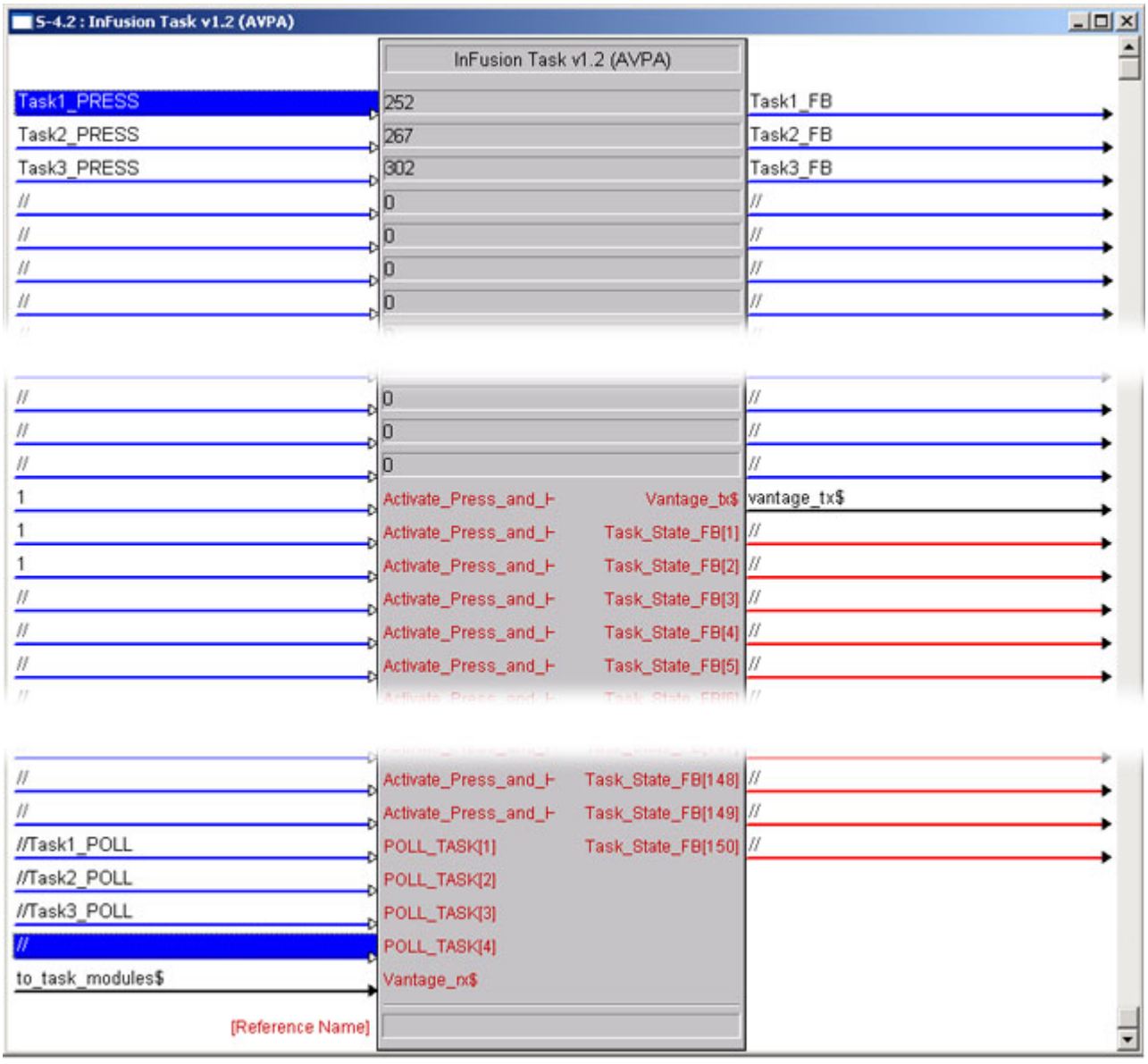
1.0 – SIMPL Windows

Important to note that some tasks are programmed with a PRESS and HOLD function and others are not. Ask your Vantage programmer if a task is programmed using PRESS and HOLD. If the task utilizes this function, set the signal ACTIVATE_P&H to 1(high). If an incorrect setting is used, the task behavior may not work as expected. The most common reason why a task is not being controlled from the Crestron processor is because it has an incorrect setting on the PRESS and HOLD signal. For example, cycle dim tasks use press PRESS and HOLD while toggle tasks do not. This is very important as one task with an improper setting could cause Vantage to apparently stop working when in fact is simply waiting for a command (hold, release, etc.).

This module has been revised to accommodate up to 150 tasks. It has been established that the combination of multiple VID's in a single module executes faster in the processor.

At the top of the module, the tasks are lined up by input, VID and feedback. This consists of the basic functionality of this module. When scrolled down, there is an option for "PRESS and HOLD" for each task, also an analog "TASK_STATE_FB" that can be used for certain tasks that have multiple states. Tasks can also be individually polled.

The next page shows the general appearance of the task module in SIMPL Windows.


S-4.2 : InFusion Task v1.2 (AVPA)
InFusion Task v1.2 (AVPA)
Task1_PRESS
Task2_PRESS
Task3_PRESS
252
267
302
Task1_FB
Task2_FB
Task3_FB
Activate_Press_and_H
Vantage_tx$
vantage_tx$
Task_State_FB[1]
Task_State_FB[2]
Task_State_FB[3]
Task_State_FB[4]
Task_State_FB[5]
Task_State_FB[148]
Task_State_FB[149]
Task_State_FB[150]
//Task1_POLL
//Task2_POLL
//Task3_POLL
POLL_TASK[1]
POLL_TASK[2]
POLL_TASK[3]
POLL_TASK[4]
to_task_modules$
Vantage_rx$
[Reference Name]

1.1 – Signals and parameters

Inputs		
Task1_Press through Task150_press	Digital	Task Press command. If press and hold when ACTIVATE_PRESS AND_HOLD is set to 1, it will also send a HOLD command.
Poll_Task[1] through Poll_Task[150]	Digital	Pulse it to query the status of a task.
ACTIVATE_PRESS AND_HOLD[1] through ACTIVATE_PRESS AND_HOLD[150]	Digital	Set to 1(high) if a task operates with both PRESS and HOLD commands. Set to 0 (low) if no HOLD commands are to be sent. When the PRESS_AND_HOLD is enabled, the HOLD command will be sent 2 seconds after PRESS (assuming that the user holds the button)
Vantage_rx$	Serial	Signal coming from the main Infusion Processor Module (refer to Vantage_InFusion_Modules_Main.pdf)

Outputs		
Task1_FB through Task150_FB	Digital	Indicate that a task is currently active.
Task_State_FB1 through Task_State_FB150	Analog	Displays an analog value equivalent to the task state (if set by the Vantage programmer).
Vantage_tx$	Serial	Signal going to the Vantage Controller (can be jammed with signals from other modules)

Parameters		
VID	Parameter	This is a 32 bit number that identifies each part of a Vantage system. Ask your Vantage programmer to obtain that information. If there are fewer than 150 tasks in a project, the unused VID's should be left as "0" since this will make the program run faster.