CYNAP PURE
MODULE HELP FILE

WolfVision Cynap, AV clients (Crestron)

- ## CYNAP MODULE HELP

Module name	Cynap_Pure_Client_1_01.*umc, Cynap_Pure_Client_1_01.usp, SSLInterface.clz*
Version	*1.01.00*
Description	This document defines the common Crestron module interface for the WolfVision Cynap Pure. The Cynap Pure may be controlled using the Cynap_Pure_Client_1_01.umc module included, along with the simpl+ Cynap_Pure_Client_1_01.usp, and the Simpl# file SSLInterface.clz. This module requires a single Ethernet port connection from the Crestron network to the Cynap Pure being controlled. For installations containing more than one Cynap Pure, multiple instances of the module may be used. The communication module implements the actual Cynap Pure protocol for communicating to the unit but exposes a more simplified protocol to the programmer.
Maintainer	WolfVision GmbH
Inputs	***Power_On, digital*** *Pulse to power on the device.* ***Power_Off, digital***

Pulse to power off the device.
Power_Toggle, digital
Pulse to toggle the power of the device.

Presentation_Mode_Open, digital
Pulse to put the device into Mirror Mode Open.
Presentation_Mode_Protected, digital
Pulse to put the device into Mirror Mode Protected..
Presentation_Mode_Toggle, digital
Pulse to toggle the device between modes.

Presentation_New, digital
Pulse to start a new presentation.
Presentation_End, digital
Pulse to end presentation, and power off the device.

Presentation_Standby_Text, serial
Text to reflect the power down mode of the Cynap Pure.

Source_Mirror, digital
Pulse to create a new window with content from any mobile mirrored device connected.
Close_Mirroring, digital
Pulse to close the mirroring connecting popup.

Browse_Close_Windows, digital
Pulse to close windows associated with browsing.

Active_Window_Close, digital
Pulse to close the active window.
Active_Window_Mode_Fullscreen, digital
Pulse to set the active window mode to fullscreen.
Active_Window_Mode_Normal, digital
Pulse to set the active window mode to normal.
Active_Window_Mode_Toggle, digital
Pulse to toggle the active window mode between fullscreen and normal.
Active_Window_Volume_Button, digital
Pulse to activate the window volume control page.
Active_Window_Volume_In, analog
Change level to change the volume level of the active window.
Active_Window_Mute_On, digital
Pulse to set the active window mute status to On.
Active_Window_Mute_Off, digital
Pulse to set the active window mute status to Off.
Active_Window_Mute_Toggle, digital
Pulse to toggle the active window mute status between On and Off.

Window_x_Close, digital
Pulse to close x window
Window_x_Mode_Fullscreen, digital
Pulse to set the window mode to fullscreen
Window_x_Mode_Normal, digital
Pulse to set the window mode to normal

	Window_x_Mode_Toggle, digital *Pulse to toggle the window mode between fullscreen and normal* ***Window_x_Volume_In, analog*** *Change level to change the volume level of the window.* ***Window_x_Mute_On, digital*** *Pulse to set the mute status to On* ***Window_x_Mute_Off, digital*** *Pulse to set the mute status to Off* ***Window_x_Mute_Toggle, digital*** *Pulse to toggle the window mute status between On and Off.* *Tools* ***Master_Volume_level_In, analog*** *Change level to change the volume level of the system.* ***Master_Volume_Mute_On, digital*** *Pulse to set the system mute status to On* ***Master_Volume_Mute_Off, digital*** *Pulse to set the system mute status to On* ***Master_Volume_Mute_Toggle, digital*** *Pulse to toggle the system mute status between On and Off* ***Splash_Screen, digital*** *Pulse to display the splash screen the main screen.* ***SendCommand, serial*** *A passthrough to send commands directly to the Cynap Pure.*
Outputs	***Link_Established_Fb, digital*** *Shows whether an Ethernet link is established to the Cynap Pure or not.* ***Valid_Login, digital*** *Shows whether the admin password is correct or not.* ***BoxName, serial*** *Text used to display the name of the Cynap Pure unit* ***Power_On_Fb, digital*** *Indicates that the power is on.* ***Power_Off_Fb, digital*** *Indicates that the power is off.* ***Presentation_Mode Open_Fb, digital*** *Indicates that the mode is Open.* ***Presentation_Mode_Protected_Fb, digital*** *Indicates that the mode is Protected.* ***Power_Button_Text, serial*** *Text used to display the state of the power mode button.* ***BYOD_PIN_code_Show, digital*** *Drives a popup page when a PIN Code is available.* ***BYOD_PIN, serial***

Text used to display the PIN code.

Source_Mirror_Visible, digital
This signal will go high when in the Protected Mode
Source_Mirror_Waiting, digital
This signal will go high when the mirror stream is open and allows for a morror connection to be established.

Number_Of_Active_Windows, analog
Value of the current number of active windows in use

New_Window_Is_Available, digital
High if there is the ability to add another source window.

Active_Window, analog
Value of the currently selected active window

Active_Window_Mode_Fullscreen_Fb, digital
High if active window is fullscreen
Active_Window_Mode_Normal_Fb, digital
High if active window is normal
Active_Window_Volume_Subpage, digital
High if active window volume button was toggled on to display volume subpage
Active_Window_Volume_Out, analog
Volume level of the current active window
Active_Window_Mute_On_Fb, digital
High if active window mute is on
Active_Window_Mute_Off_Fb, digital
High if active window mute is off

Window_x_Selected_Fb, digital
High is the window x is the currently selected window
Window_x_Visible_Fb, digital
High if the window has a valid source
Window_x_Source_Text, serial
Text name of the valid source
Window_x_Source_Type, analog
Value of the valid source
Window_x_Mode_Fullscreen_Fb, digital
High if active window is fullscreen
Window_x_Mode_Normal_Fb, digital
High if active window is normal
Window_x_Volume_Out, analog
Volume level of the current active window
Window_x_Mute_On_Fb, digital
High if active window mute is on
Window_x_Mute_Off_Fb, digital
High if active window mute is off

Tools
Master_Volume_Level_Out, analog

	Value of the system volume level ***Master_Mute_On_Fb, digital*** *High if the system mute is on* ***Master_Mute_On_Fb, digital*** *High if the system mute is off* ***Splash_Screen_Enabled, digital*** *Indicates that the Splash Screen is available to be displayed.*
Parameters	***Server_IP*** *IP Address of Cynap Pure unit* ***Password*** *RMS password for cynap pure unit* *(default Cynap Pure password is :RMSPassword)* ***MAC_Address*** *MAC Address for Cynap Pure unit, input in Crestron's hex formatting, (\x before each part of the mac address. No spaces, dashes or colons/)*
Version History	<table><tr><th>Version</th><th>Date</th><th>Remarks</th></tr><tr><td>1.00.00</td><td>250419</td><td>Initial structure.</td></tr><tr><td>1.01.00</td><td>260819</td><td>Adding text output for power down mode.</td></tr></table>
Dependencies	Cynap_Pure_Client_1.01.umc, Cynap_Pure_Client_1.01.usp, SSLInterface.clz
Firmware	1.32g (Build 20190822062750)
Processor support	*2-Series, not currently supported.* *3-Series, support.*
Hardware setup/ settings	Enable RMS password though the Cynap Pure web GUI.