

# CYNAP PURE MODULE HELP FILE

WolfVision Cynap Pure, AV clients (Crestron)



## • CYNAP PURE MODULE HELP

Module name	<i>Cynap_Pure_Client_1_03.umc, Cynap_Pure_Client_1_03.usp, SSLInterface.clz</i>
Version	<i>1.03.00</i>
Description	<p>This document defines the common Crestron module interface for the WolfVision Cynap Pure.</p> <p>The Cynap Pure may be controlled using the Cynap_Pure_Client_1_03.umc module included, along with the simpl+ Cynap_Pure_Client_1_03.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.</p>
Maintainer	WolfVision GmbH
Inputs	<p><b>Power_On, digital</b> <i>Pulse to power on the device.</i></p> <p><b>Power_Off, digital</b> <i>Pulse to power off the device.</i></p> <p><b>Power_Toggle, digital</b> <i>Pulse to toggle the power of the device.</i></p>

**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**

	<p><i>Pulse to set the mute status to On</i>  <b>Window_x_Mute_Off, digital</b>  <i>Pulse to set the mute status to Off</i>  <b>Window_x_Mute_Toggle, digital</b>  <i>Pulse to toggle the window mute status between On and Off.</i></p> <p><i>Tools</i>  <b>Master_Volume_Level_In, analog</b>  <i>Change level to change the volume level of the system.</i>  <b>Master_Volume_Mute_On, digital</b>  <i>Pulse to set the system mute status to On</i>  <b>Master_Volume_Mute_Off, digital</b>  <i>Pulse to set the system mute status to On</i>  <b>Master_Volume_Mute_Toggle, digital</b>  <i>Pulse to toggle the system mute status between On and Off</i></p> <p><b>Splash_Screen, digital</b>  <i>Pulse to display the splash screen the main screen.</i></p> <p><b>SendCommand, serial</b>  <i>A passthrough to send commands directly to the Cynap Pure.</i></p>
Outputs	<p><b>Link_Established_Fb, digital</b>  <i>Shows whether an Ethernet link is established to the Cynap Pure or not.</i></p> <p><b>Valid_Login, digital</b>  <i>Shows whether the admin password is correct or not.</i></p> <p><b>BoxName, serial</b>  <i>Text used to display the name of the Cynap Pure unit</i></p> <p><b>Power_On_Fb, digital</b>  <i>Indicates that the power is on.</i></p> <p><b>Power_Off_Fb, digital</b>  <i>Indicates that the power is off.</i></p> <p><b>Presentation_Mode_Open_Fb, digital</b>  <i>Indicates that the mode is Open.</i></p> <p><b>Presentation_Mode_Protected_Fb, digital</b>  <i>Indicates that the mode is Protected.</i></p> <p><b>Power_Button_Text, serial</b>  <i>Text used to display the state of the power mode button.</i></p> <p><b>BYOD_PIN_code_Show, digital</b>  <i>Drives a popup page when a PIN Code is available.</i></p> <p><b>BYOD_PIN, serial</b>  <i>Text used to display the PIN code.</i></p> <p><b>Source_Mirror_Visible, digital</b>  <i>This signal will go high when in the Protected Mode</i></p> <p><b>Source_Mirror_Waiting, digital</b></p>

This signal will go high when the mirror stream is open and allows for a mirror 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 if 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\_Off\_Fb, digital**

High if the system mute is off

	<p><b>Splash_Screen_Enabled, digital</b> Indicates that the Splash Screen is available to be displayed.</p>															
Parameters	<p><b>Server_IP</b> IP Address of Cynap Pure unit</p> <p><b>Password</b> RMS password for cynap pure unit (default Cynap Pure password is :RMSPassword)</p> <p><b>MAC_Address</b> 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/)</p> <p><b>Connection_Type</b> 2 Option, 0 for unsecure, 1 for secure.</p>															
Version History	<table border="1"> <thead> <tr> <th>Version</th> <th>Date</th> <th>Remarks</th> </tr> </thead> <tbody> <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> <tr> <td>1.02.00</td> <td>180820</td> <td>Updating connection cycle and adding support to change secure/unsecure connection mode.</td> </tr> <tr> <td>1.03.00</td> <td>281020</td> <td>FIX: Prevent error log flooding caused by calling RemoveByLength() with length=0</td> </tr> </tbody> </table>	Version	Date	Remarks	1.00.00	250419	Initial structure.	1.01.00	260819	Adding text output for power down mode.	1.02.00	180820	Updating connection cycle and adding support to change secure/unsecure connection mode.	1.03.00	281020	FIX: Prevent error log flooding caused by calling RemoveByLength() with length=0
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Dependencies	Cynap_Pure_Client_1.03.umc, Cynap_Pure_Client_1.03.usp, SSLInterface.clz															
Firmware	1.42e (Build 20200919045208)															
Processor support	2-Series, not currently supported. 3-Series, support.															
Hardware setup/settings	Enable RMS password though the Cynap Pure web GUI.															