Panopto Serial Module - TB

This module is designed to provide control of a Panopto Remote Recorder, which is running the Panopto-RR-Light-Service\_Dev-serial.

<https://github.com/uw-it-cte/Panopto-RR-Light-Service-With-Installer/blob/Dev-serial/README.md>

--- Serial Driver Joins ---

ps\_tx$

Tie to serial transmit on Serial Driver.

ps\_rx$

Tie to serial receive on Serial Driver.

--- Input Joins ---

ps\_disable\_polling

For debugging. Hold high to disable polling. This prevents all recording and queued recording data. The system will still receive status update notifications, when they change. After 2 minutes, this will trigger the error NoCommunication.

- Commands -

ps\_cmd\_start

Pulse to start a queued recording. Only works if recording is set to start within an hour / if there is queued recording data.

ps\_cmd\_pause

Pulse to pause an active recording.

ps\_cmd\_resume

Pulse to resume a paused recording.

ps\_cmd\_extend

Pulse to extend an active recording by 5 minutes. This can overlap the start time of the following recording, causing it to start late.

ps\_cmd\_stop\_pre

Pulse to open a popup, asking for confirmation to stop a recording.

ps\_cmd\_stop

Pulse to (confirm) stop an active or paused recording.

ps\_cmd\_cancel

Pulse to clear the stop confirmation popup.

--- Output Joins ---

- Commands -

ps\_show\_cmd\_start

Is held high when the start button should be shown. This occurs when there is not an active recording, and the queued recording is scheduled to start within 5 minutes.

ps\_show\_cmd\_pause

Is held high when the pause button should be show. This occurs when there is an active recording, which is not paused.

ps\_show\_cmd\_resume

Is held high when the resume button should be shown. This occurs when there is an active recording, which is paused.

ps\_show\_cmd\_extend

Is held high when the extend button should be shown. This occurs when there is an active recording, the active recording is scheduled to end with 20 minutes, and a queued recording isn’t scheduled to start within 6 minutes.

ps\_show\_cmd\_stop

Is held high when the stop button should be shown. This occurs when there is an active recording.

ps\_show\_cmd\_stop\_popup

Is held high when the ps\_stop\_pre button has been pressed. Used to show a popup asking for stop confirmation. Clears when either ps\_cmd\_stop or ps\_cmd\_stop\_cancel is pressed.

- Statuses -

ps\_Recording\_FB

Is held high when there is an active recording, including when paused.

ps\_Not\_Recording\_FB

Invert of ps\_Recording\_FB. Is held high when there is NOT an active recording.

ps\_PreRecording

Pulses up to 2 minutes before a recording starts. Intended call a default camera preset.

ps\_has\_recording\_or\_queued\_data

Is held high when there is recording or queued data.

ps\_Error

Is held high when there is an error state.

ps\_NoCommunication

Is held high when the module is unable to communicate with the remote recorder serial service for at least 2 minutes.

ps\_Disconnected

Is held high when the remote recorder reports the disconnected status. This indicates the serial service is unable to access the remote recorder service.

ps\_Disconnected\_Extended

Is held high when the remote recorder reports the disconnected status, for at least 2 minutes.

ps\_Dormant

Is held high when the remote recorder reports the disconnected status. This indicates an application on the remote recorder has dormant access, normally caused by the non-remote recorder version of the Panopto recorder application.

ps\_Faulted

Is held high when the remote recorder reports the faulted status.

ps\_Previewing

Is held high when the remote recorder reports the previewing status.

ps\_Paused

Is held high when the remote recorder reports the paused status.

ps\_Recording

Is held high when the remote recorder reports the recording status.

ps\_RecorderState

Returns a string of the recorder status.

“Disconnected”, “Dormant”, “Faulted”, “Previewing”, “Paused”, and “Recording”.

ps\_RecorderState\_Verbose

Returns a string of the recorder status, including the additional statuses of:

\* “PreviewingQueued” which is normally reported as “Previewing”.

\* “StoppingPaused” which is normally reported as “Paused”.

\* “StoppingRecord” which is normally reported as “Recording”.

\* “Stopped” which is normally reported as “Previewing”.

ps\_RecorderState\_Basic

Returns a string of the basic recorder status.

”Error”, “Not Recording”, “Paused”, and “Recording”.

- Active Recording Data –

ps\_has\_recording\_data

Is held high when there is recording data.

ps\_Recording\_Id

Returns a string of the Id (GUID) of the current recording.

Example: “aaaa1111-ffff-0123-4567-fedcba987654”

ps\_Recording\_Name

Returns a string of the name of the current recording.

Example: “UW EVENT 101 A - 2015-12-08”

ps\_Recording\_StartTime

Returns a string of the start time of the current recording.

Example: “12/8/2015 10:00:00 AM”

ps\_Recording\_EndTime

Returns a string of the end time of the current recording.

Example: “12/8/2015 11:00:00 AM”

ps\_Recording\_MinutesUntilStartTime

Returns a string of the minutes until start of the current recording. Negative after recording has started. Active recordings should not report positive numbers.

Example: “0”, “-10”, “-20”.

ps\_Recording\_MinutesUntilEndTime

Returns a string of the minutes until end of the current recording.

Example: “120”, “30”, “5”, “0”.

- Queued Recording Data –

Only shows a recording scheduled to start within 1 hour.

ps\_has\_queued\_data

Is held high when there is queued recording data.

ps\_Queued\_Id

Returns a string of the Id (GUID) of the queued recording.

Example: “aaaa1111-ffff-0123-4567-fedcba987654”

ps\_Queued\_Name

Returns a string of the name of the queued recording.

Example: “UW EVENT 101 A - 2015-12-08”

ps\_Queued\_StartTime

Returns a string of the start time of the queued recording.

Example: “12/8/2015 10:00:00 AM”

ps\_Queued\_EndTime

Returns a string of the end time of the queued recording.

Example: “12/8/2015 11:00:00 AM”

ps\_Queued\_MinutesUntilStartTime

Returns a string of the minutes until start of the queued recording. Negative after recording has started. Queued recordings should not report negative numbers.

Example: “59”, “30”, “5”, “0”.

ps\_Queued\_MinutesUntilEndTime

Returns a string of the minutes until end of the queued recording.

Example: “120”, “30”, “5”, “0”.