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, or the remote recorder service is unable to communicate with the Panopto server.

ps\_Disconnected\_Extended

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

ps\_Blocked

Is held high when the remote recorder reports the disconnected status. This indicates an application on the remote recorder has blocked 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”, “Blocked”, “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”.