ZOOM ROOM CONTROLS

EXAMPLE PROJECT

Crestron Electronics, Inc.

REVISION HISTORY

Version	Date	Comments	Author
1.0.0	11/25/2020	Initial release	Casey Martineau John Pickrell
1.0.1	4/07/2021	Resolved timing issues	John Pickrell
1.1.0	4/20/2024	Added all remaining events available	Manish Lad

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1 OVERVIEW

This example shows the use of one Zoom Room with the following configuration:

- Control of projector power
- Control of projection screen
- Control of lighting presets, including master raise and lower buttons.
- Control of shades
- Control of input selection via a Crestron HD-MD HDMI switcher
- Control of CATV tuner
- Control of Blu-ray player

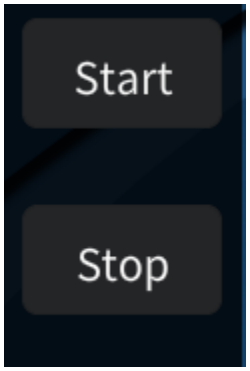
2 UI

Type: XPanel

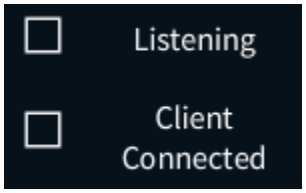
IP ID: 0x03

The UI project allows a user to see what buttons are being pressed on the Zoom Room controller, as well as events from the Zoom Room such as when a meeting starts.

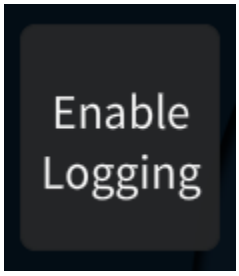
Once the program loads, the user must press “Start” to make the modules start listening to Zoom. By this time, the configuration file will already be generated in the default file location unless a custom one is specified.



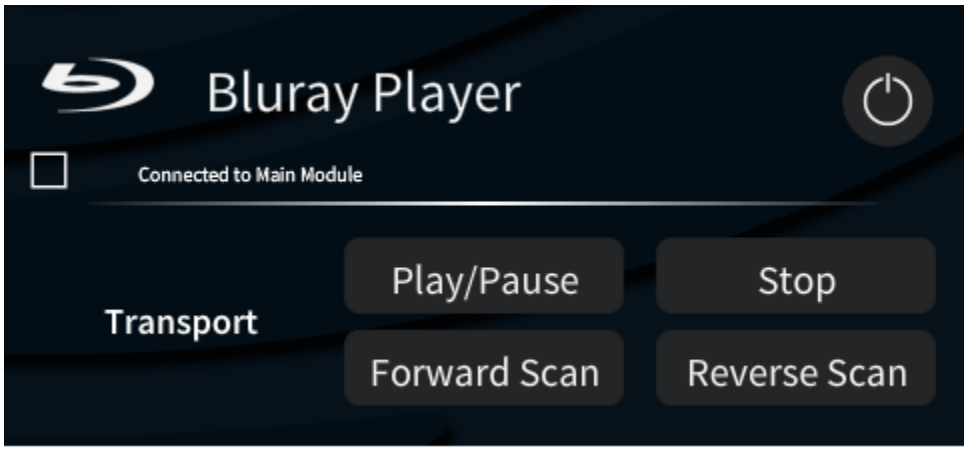
The UI will show the current server and client state for the module:

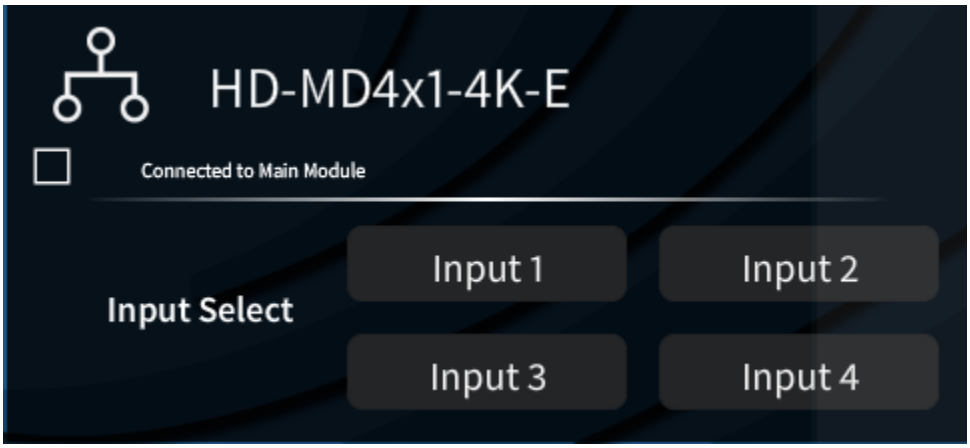


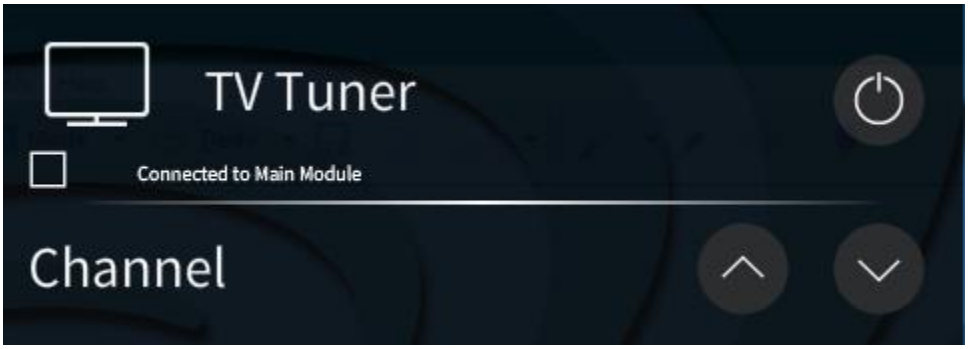
Logging on the module may be toggled at any time.



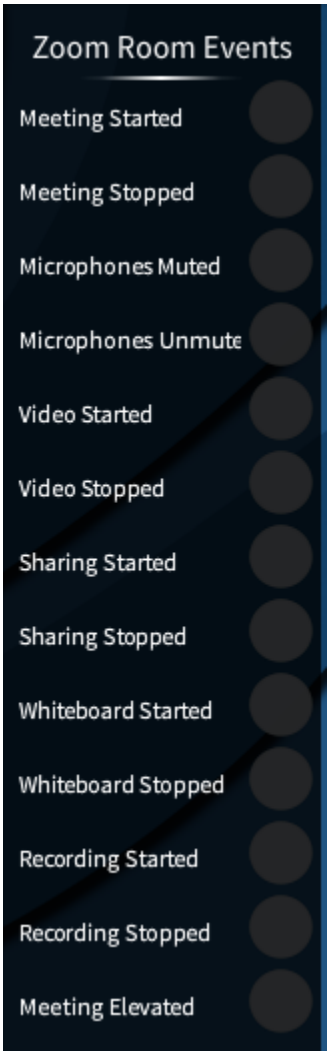
The UI has a section for each control module defined in the SIMPL Windows program. Each section show a check for Connected to Main Module if registration with the main module is complete, and they will show a row of buttons that correspond to the configuration defined in the SIMPL Windows program. Each button will pulse when the corresponding button is pressed on the Zoom Room controller.







The most relevant current events from the Zoom Room are displayed and will pulse when these events happen in the Zoom Room. Many more than what is shown below are available on the module.



3 SIMPL WINDOWS

This program defines one XPanel for the UI project, one Zoom_Rooms_Controls_Main_v1_0 module, and six Zoom_Rooms_Controls_Controls_v1_0 modules.

Each section of the UI corresponds to one control module. Each module lists which groups and buttons it will support on the UI. This is used by the main module to generate a configuration at run-time.

The demo program will initialize the control modules in the order that the user expects to see the control elements on the zoom interface. When initializing these modules, please allow a short interval of time between initializations to ensure that all of the elements get added in the proper order. It is not a "best practice" to place a '1' on the InitializeGroup signal of the control modules. This can cause the json file to be built in a different order than expected.