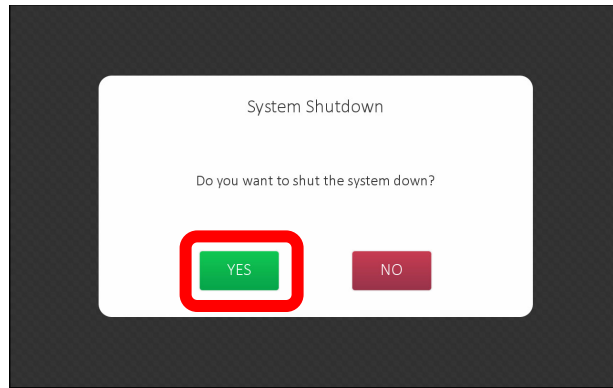
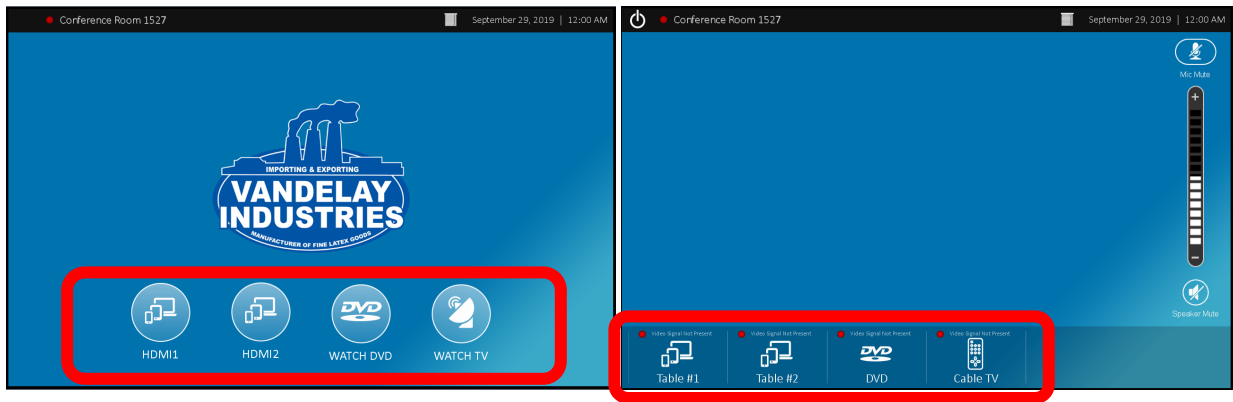


AMX Muse Demo Code Solution

Basic Drawing and Control Methods

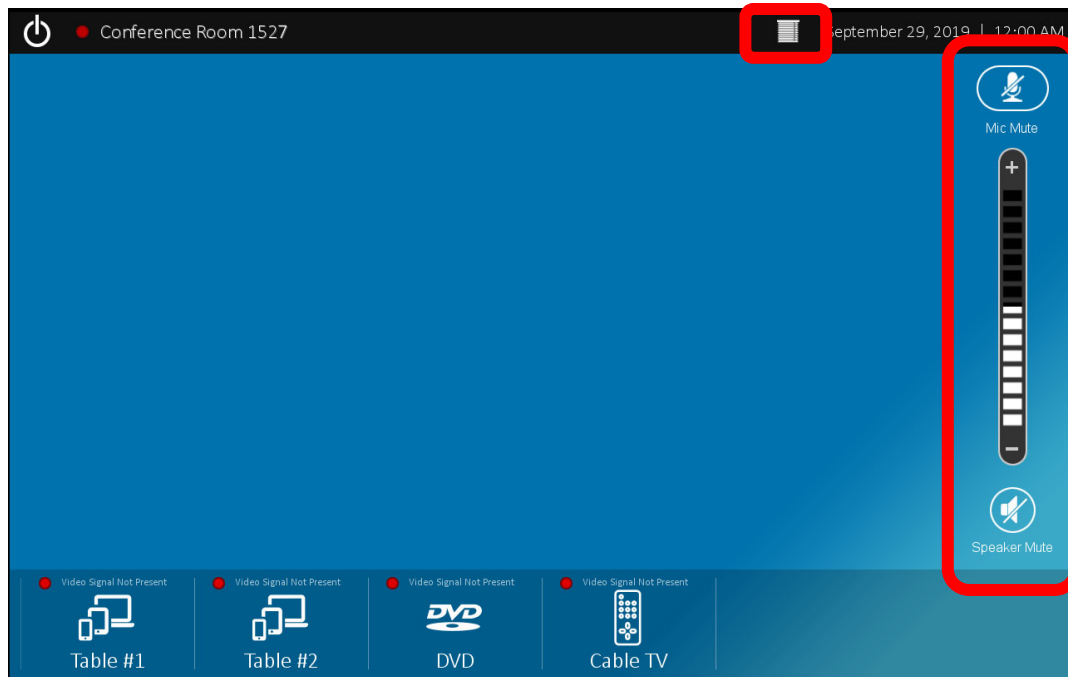
Brand	Model	Control Method
AMX	MU1300	n/a
Vaddio	RoboShot 12E	RS232 (duet module)
Contemporary Research	232-ATSC 4	RS232 (no module)
Samsung	TBD	IP (duet module)
AMX	Precis PR-WP-412	IP (no module)
Lutron	LOS-CDT-1000R-WH	IO Sensor
Vandelay Industries	Privacy Glass 9000	Relay
Samsung	TBD	IR
Amazon	Echo	IP (via NodeRed)
BSS	Blu-50v2	HiQNet





Button by Button Source Select:

Function	Port	Channel	Feedback	Code Driven Page Flip
Laptop 1	2	2	Code - Active Preset	Page: Main Pop-Up: [LPS] Laptop1
Laptop 2	2	4	Code - Active Preset	Page: Main Pop-Up: [LPS] Laptop2
Blu-ray	2	1	Code - Active Preset	Page: Main Pop-Up: [LPS] DVD
Cable TV	2	3	Code - Active Preset	Page: Main Pop-Up: [LPS] Tuner
System Off	2	5	Code - Active Preset	Page: Logo
Signal Presence – HDMI1	2	102	Code – Signal Detected	n/a
Signal Presence – HDMI2	2	104	Code – Signal Detected	n/a
Signal Presence – DVD	2	101	Code – Signal Detected	n/a
Signal Presence – Cable	2	103	Code – Signal Detected	n/a



Button by Button **Environmental Controls:**

Function	Port	Channel	Feedback
Privacy Glass Toggle	1	3	Code - Relay Status
Volume UP	5	24	Momentary
Volume DOWN	5	25	Momentary
Speaker MUTE	5	26	Code - Mute State
Volume Level	5	1	Code - Level Value
Mic MUTE	5	100	Code – Mute State

*Note: Minimum audio requirement is to use the television for audio, but our reach goal is to release the demo code demonstrating native HiQnet control of the Blu-50v2. This will introduce a microphone into the design, and the mic mute toggle button.



Button by Button – Laptop 1&2: (PTZ Camera Controls)

Function	Port	Channel	Feedback
Up	6	45	Momentary
Down	6	46	Momentary
Left	6	47	Momentary
Right	6	48	Momentary
Zoom In	6	116	Momentary
Zoom Out	6	117	Momentary
Preset 1	6	21	Code - Active Preset*
Preset 2	6	22	Code - Active Preset*

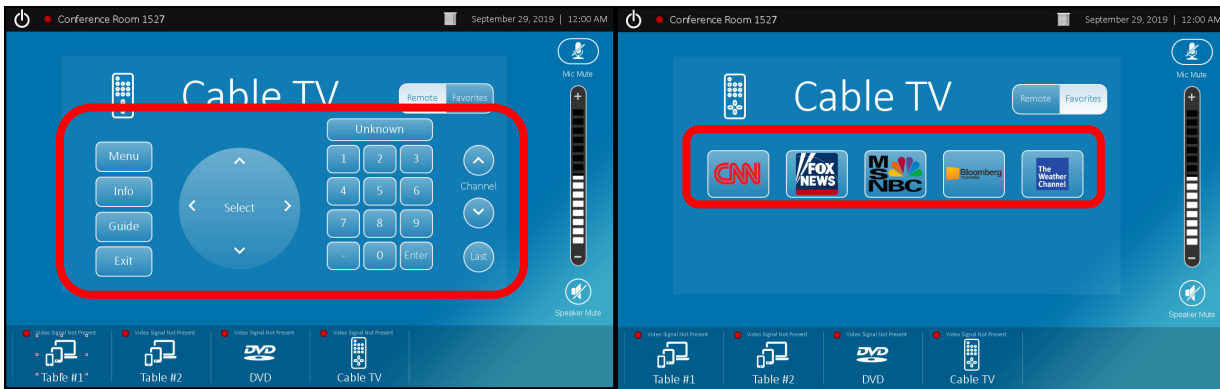
*Note – if possible... This may need to be a momentary button if channel feedback is not possible. The device may not have a good way of expressing if the current position matches a preset. If available – we can use real feedback. If not – make it momentary.



Button by Button – **Blu-ray:** (Menu and Transport Controls)

Function	Port	Channel	Feedback
DVD Key - Play	3	1	Momentary
DVD Key - Pause	3	3	Momentary
DVD Key - Stop	3	2	Momentary
DVD Key - FFwd	3	4	Momentary
DVD Key - RRwd	3	5	Momentary
DVD Key - SFWD	3	6	Momentary
DVD Key - SREV	3	7	Momentary
DVD Key - Menu	3	44	Momentary
DVD Key – Exit	3	50	Momentary
DVD Key - Up	3	45	Momentary
DVD Key - Down	3	46	Momentary
DVD Key - Left	3	47	Momentary
DVD Key - Right	3	48	Momentary
DVD Key - Select	3	49	Momentary

*Note – this is an IR controlled device. Active transport method or time remaining type features would not be possible.



Button by Button – Cable TV: (Menu and Transport Controls

Function	Port	Channel	Feedback
STB Key - CH +	4	22	Momentary
STB Key - CH -	4	23	Momentary
Preset1 – CNN	4	201	Momentary
Preset 2 – Fox News	4	202	Momentary
Preset 3 – MSNBC	4	203	Momentary
Preset 4 - Bloomberg	4	204	Momentary
Preset 5 - Weather	4	205	Momentary
STB Key - Menu	4	44	Momentary
STB Key – Info	4	101	Momentary
STB Key – Guide	4	105	Momentary
STB Key – Exit	4	50	Momentary
STB Key - Up	4	45	Momentary
STB Key - Down	4	46	Momentary
STB Key - Left	4	47	Momentary
STB Key - Right	4	48	Momentary
STB Key - Select	4	49	Momentary
STB Key – DIGIT_0	4	10	Momentary
STB Key - DIGIT_1	4	11	Momentary
STB Key – DIGIT_2	4	12	Momentary
STB Key – DIGIT_3	4	13	Momentary
STB Key – DIGIT_4	4	14	Momentary
STB Key – DIGIT_5	4	15	Momentary
STB Key – DIGIT_6	4	16	Momentary
STB Key – DIGIT_7	4	17	Momentary
STB Key – DIGIT_8	4	18	Momentary
STB Key – DIGIT_9	4	19	Momentary
STB Key - Dash	4	90	Momentary

Code Macro Definitions:

Source Select 1
Display: POWER ON
Display: INPUT SELECT HDMI1
Switch: Route IN1 to OUT1

Source Select 2
Display: POWER ON
Display: INPUT SELECT HDMI1
Switch: Route IN2 to OUT1

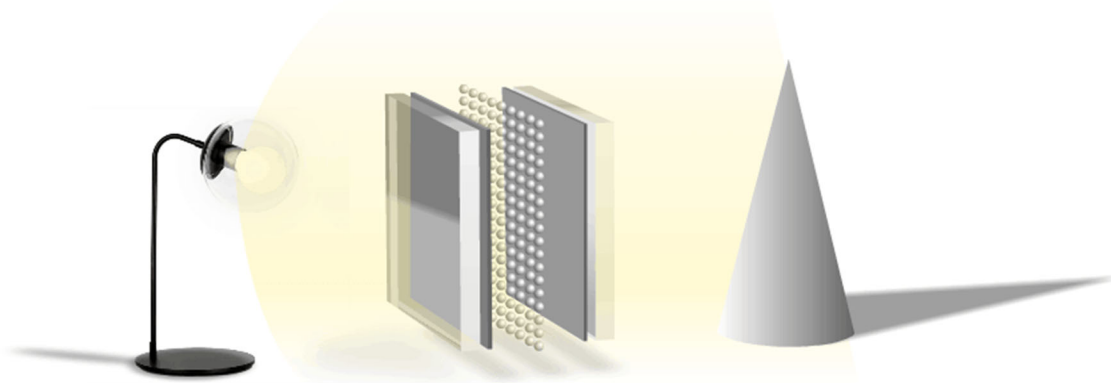
Source Select 3
Display: POWER ON
Display: INPUT SELECT HDMI1
Switch: Route IN3 to OUT1

Source Select 4
Display: POWER ON
Display: INPUT SELECT HDMI1
Switch: Route IN4 to OUT1

Source Select System Off
Display: POWER OFF
Switch: Unroute video to OUT1

Appendix 1 – What is Privacy glass?

When Power is applied, particles in the glass align to allow light to pass through and appear CLEAR to the user.



However, when power is removed, the particles scatter and the glass will appear OPAQUE to the user.

