



Crestron Module Documentation

for an

Atlona AT-OME-MS42

General Information

<i>Module Name:</i>	<i>Atlona AT-OME-MS42 r1.0.umc</i>
<i>Version:</i>	<i>Rev-01</i>
<i>Summary:</i>	<i>This module controls switching and volume for the AT-OME-MS42.</i>
<i>Notes:</i>	

Control

<i>Signal Name</i>	<i>Description</i>
[power_on]	<i>Powers on the unit</i>
[power_off]	<i>Powers off the unit</i>
[power_status]	<i>Gets power status</i>
[Input_1_USB_C]	<i>Selects Input to be sent to output</i>
[Input_2_DP]	<i>Selects Input to be sent to output</i>
[Input_3_HDMI]	<i>Selects Input to be sent to output</i>
[Input_4_HDMI]	<i>Selects Input to be sent to output</i>
[HDMI_Output_01]	<i>Selects HDMI Output 1 for selected Input</i>
[HDBT_Output_02]	<i>Selects HDBT Output 2 for selected Input</i>
[HDMI_Out_01]	<i>Send Analog Values for Inputs to Switch Output1</i>
[HDBT_Out_02]	<i>Send Analog Values for Inputs to Switch Output2</i>

[HDMI_input_1_USBC]	<i>Sends Input1 to Output1</i>
[HDMI_input_2_DP]	<i>Sends Input2 to Output1</i>
[HDMI_input_3_HDMI1]	<i>Sends Input3 to Output1</i>
[HDMI_input_4_HDMI2]	<i>Sends Input4 to Output1</i>
[HDBT_input_1_USBC]	<i>Sends Input1 to Output2</i>
[HDBT_input_2_DP]	<i>Sends Input2 to Output2</i>
[HDBT_input_3_HDMI1]	<i>Sends Input3 to Output2</i>
[HDBT_input_4_HDMI2]	<i>Sends Input4 to Output2</i>
[InputStatus]	<i>Get Input Sync Status</i>
[OutputStatus]	<i>Get Output Status for Switched Inputs</i>
[HDCPSet1_on]	<i>Turn on HDCP for Input</i>
[HDCPSet2_on]	<i>Turn on HDCP for Input</i>
[HDCPSet3_on]	<i>Turn on HDCP for Input</i>
[HDCPSet4_on]	<i>Turn on HDCP for Input</i>
[HDCPSet1_off]	<i>Turn off HDCP for Input</i>
[HDCPSet2_off]	<i>Turn off HDCP for Input</i>
[HDCPSet3_off]	<i>Turn off HDCP for Input</i>
[HDCPSet4_off]	<i>Turn off HDCP for Input</i>
[Blink_on]	<i>Turns on front panel Blink</i>
[Blink_off]	<i>Turns off front panel Blink</i>
[auto_switch_on]	<i>Turns on auto switching</i>
[auto_switch_off]	<i>Turns off auto switching</i>
[USBHostLogic_follow_usb]	<i>Sets USB Host Logic to Follow USB</i>
[USBHostLogic_follow_video]	<i>Sets USB Host Logic to Follow Video</i>
[USBHostLogic_manual]	<i>Sets USB Host Logic to be Set Manually</i>
[USBHostRoute_USBC]	<i>Route USB to USBC</i>
[USBHostRoute_1]	<i>Route USB to USB1</i>

[USBHostRoute_2]	<i>Route USB to USB2</i>
[USBHostRoute_3]	<i>Route USB to USB3</i>
[Mute_Audio_On]	<i>Turns Audio Mute On</i>
[Mute_Audio_Off]	<i>Turns Audio Mute Off</i>
[Mute_Audio_status]	<i>Gets Audio Mute Status</i>
[Mute_Video_HDMI_On]	<i>Turns HDMI Output1 Video Mute On</i>
[Mute_Video_HDMI_Off]	<i>Turns HDMI Output1 Video Mute Off</i>
[Mute_Video_HDBT_On]	<i>Turns HDBT Output2 Video Mute On</i>
[Mute_Video_HDBT_Off]	<i>Turns HDBT Output2 Video Mute Off</i>
From_Device_rx\$	<i>Serial Data From MS42</i>

Feedback

<i>Signal Name</i>	<i>Description</i>
[power_is on_fb]	<i>Unit is on</i>
[power_is off_fb]	<i>Unit is off</i>
[Input_1_USB_C_fb]	<i>Input selected</i>
[Input_2_DP_fb]	<i>Input selected</i>
[Input_3_HDMI_fb]	<i>Input selected</i>
[Input_4_HDMI_fb]	<i>Input selected</i>
[HDMI_Output_01_fb]	<i>Output selected</i>
[HDBT_Output_02_fb]	<i>Output selected</i>
[HDMI_Out_01_fb]	<i>Input routed to HDMI output1</i>
[HDBT_Out_02_fb]	<i>Input routed to HDMI output1</i>
[HDMI_input_1_USBC_fb]	<i>Input1 sent to Output1</i>
[HDMI_input_2_DP_fb]	<i>Input2 sent to Output1</i>
[HDMI_input_3_HDMI1_fb]	<i>Input3 sent to Output1</i>
[HDMI_input_4_HDMI2_fb]	<i>Input4 sent to Output1</i>
[HDBT_input_1_USBC_fb]	<i>Input1 sent to Output2</i>

[HDBT_input_2_DP_fb]	<i>Input2 sent to Output2</i>
[HDBT_input_3_HDMI1_fb]	<i>Input3 sent to Output2</i>
[HDBT_input_4_HDMI2_fb]	<i>Input4 sent to Output2</i>
[In1_is_detected_fb]	<i>Source Sync Detected for Input 1 USBC</i>
[In2_is_detected_fb]	<i>Source Sync Detected for Input 2 DP</i>
[In3_is_detected_fb]	<i>Source Sync Detected for Input 3 HDMI</i>
[In4_is_detected_fb]	<i>Source Sync Detected for Input 4 HDMI</i>
[HDCPSet1_on_fb]	<i>HDCP has been turned on for Input</i>
[HDCPSet2_on_fb]	<i>HDCP has been turned on for Input</i>
[HDCPSet3_on_fb]	<i>HDCP has been turned on for Input</i>
[HDCPSet4_on_fb]	<i>HDCP has been turned on for Input</i>
[HDCPSet1_off_fb]	<i>HDCP has been turned off for Input</i>
[HDCPSet2_off_fb]	<i>HDCP has been turned off for Input</i>
[HDCPSet3_off_fb]	<i>HDCP has been turned off for Input</i>
[HDCPSet4_off_fb]	<i>HDCP has been turned off for Input</i>
[Blink_on_fb]	<i>Blink is on</i>
[Blink_off_fb]	<i>Blink is off</i>
[auto_switch_on_fb]	<i>Auto switching is on</i>
[auto_switch_off_fb]	<i>Auto Switching is off</i>
[USBHostLogic_follow_usb_fb]	<i>USB Host Logic is Set to Follow USB</i>
[USBHostLogic_follow_video_fb]	<i>USB Host Logic is Set to Follow Video</i>
[USBHostLogic_manual_fb]	<i>USB Host Logic is Set to be Set Manually</i>
[USBHostRoute_USBC_fb]	<i>USB is Routed to USBC</i>
[USBHostRoute_1_fb]	<i>USB is Routed to USB1</i>
[USBHostRoute_2_fb]	<i>USB is Routed to USB2</i>
[USBHostRoute_3_fb]	<i>USB is Routed to USB3</i>
[Mute_Audio_On_fb]	<i>Audio Mute is On</i>

[Mute_Audio_Off_fb]	<i>Audio Mute is Off</i>
[Mute_Video_HDMI_On_fb]	<i>HDMI Output1 Video Mute is On</i>
[Mute_Video_HDMI_Off_fb]	<i>HDMI Output1 Video Mute is Off</i>
[Mute_Video_HDBT_On_fb]	<i>HDBT Output2 Video Mute is On</i>
[Mute_Video_HDBT_Off_fb]	<i>HDBT Output2 Video Mute is Off</i>
To_Device_tx\$	<i>Serial Data Going to MS42</i>

Parameters

<i>Parameter</i>	<i>Description</i>
TELNET Port 23	<i>All MS42 Control needs to be routed in and out of this port with the device IP using a TCP/IP client.</i>
TCP/IP Port 9001	<i>This is the port for RS232 Zone commands sent through the HDBT output.</i>
TCP/IP Port 9002	<i>This is the port to be used to send RS232 Zone commands out of the MS42 Local RS232 port.</i>

Revision History

<i>Date</i>	<i>Initials</i>	<i>Comments</i>
10/22/2019	NM	Initial Release