ADA Cinema Rhapsody Mach III Module Application Guide

Description

This module is used to control the ADA Cinema Rhapsody Mach III from a Crestron 2-series processor. This module provides control of one Cinema Rhapsody Mach III including Power On and Off, Volume, Inputs and Sound Field selection.

This module **REQUIRES** that you use one ADA ISO-CAT II for each Cinema Rhapsody Mach III that you want to control.

Supported Processors

Any 2-Series Crestron Processor

Communications Format

19,200 BPS
No Parity
8 Data Bits
1 Stop Bit
No hand shaking

Use a 'straight thru' cable for control.

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DIGITAL INPUTS

power_off	Pulse to turn the unit off
power on	Pulse to turn the unit on
[volume_up_.5db]	Hold to increase main volume by .5db steps
[volume_dn_.5db]	Hold to decrease main volume by .5 db steps
[volume_up_1db]	Hold to increase main volume by 1 db steps
[volume_dn_1db]	Hold to decrease main volume by 1 db steps
[mute toggle]	Pulse to turn mute function on or off
[mute off]	Pulse to turn mute function off
[mute on]	Pulse to turn mute function on
[input 1-20]	Pulse to select an input
[stereo downmix mode ,,, thx ultra game]	pulse to select a multi-channel sound field mode
[stereo 2.0 ,,, direct 2.0]	Pulse to select a two-channel sound field mode
[dynamic range max]	Pulse to select the maximum dynamic range
[dynamic range mid]	Pulse to select the mid-level dynamic range
[dynamic range min]	Pulse to select the minimum dynamic range
[store volume 1 thru 4]	Pulse to store the current volume level
[recall volume 1 thru 4]	Pulse to recall the stored volume level
[record input 1 thru 4]	Pulse to select an input to send to the record bus
[update volume]	Pulse to update the current volume level only*
[update volume format mode]	Pulse to update the current volume and sound field*
[update vol format drange stereo]	Pulse to update more system information

* These fields are automatically updated with any change of volume or sound fields therefore these inputs can be commented out.

ANALOG INPUTS

This module does not have any analog inputs

SERIAL INPUTS

ada rx$	route to serial rx$ for Mach III COM port

DIGITAL OUTPUTS

[power_off_fb] ..... Held high when unit is off
[power_on_fb] ..... Held high when unit is on
[mute_fb]..... Held high when the unit is muted
[stereo_downmix_fb_,,,_direct_2.0]..... Held high to indicate current sound field
[dynamic_range_max_,,,_min]..... Held high to indicate current dynamic range

ANALOG OUTPUTS

This module does not have any analog outputs

SERIAL OUTPUTS

ada_tx$ ..... Route to serial tx$ for Mach III COM port
volume$..... Route to serial text field for main volume
stored_volume_1$,,,4$..... Route to serial text field for stored volume

PARAMETERS

This module does not have any parameters. **This module supports ADA BUS Address 03 ONLY.** You must use the ADA ISO-CAT II with this module. If you are controlling more than one Mach III in your program you should use another instance of this module on its own com port with its own ISO-CAT II.

Contents

The distribution package for this module should include:
ADA_Cinema_Rhapsody_Mach_III_v1_help_v1.pdf..... this help file
ADA_Cinema_Rhapsody_Mach_III_v1.umc..... Crestron user module to insert in program
ADA_Cinema_Rhapsody_Mach_III_Demo_XPANEL_v1.vtp example XPANEL (800x600)
ADA_Cinema_Rhapsody_Mach_III_Demo_TPS4500_v1.vtp example TPS-4500 (800x600)
ADA_Cinema_Rhapsody_Mach_III_Demo_Program_v1.smw example program (PRO2)

Revision History

v1 lee@controlworks.com 2006.09.05
First release

Development Environment

Version 1 of this module was developed on the following hardware and software. Different versions of hardware or software may or may not operate properly. If you have questions, please contact us.

Hardware
Crestron PRO2 Processor v3.155.1143

Software
Crestron SIMPL Windows ..... Version 2.07.32
Crestron Vision Tools Pro-e ..... Version 3.5.0.7
Crestron Database ..... Version 18.1.5
Crestron Symbol Library ..... Version 387
Crestron Device Library ..... Version 387

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Software License Agreement

Definition

Software refers to all files provided as a part of a project for use with Crestron hardware including, but not limited to: all network devices, CNX generation platforms, 2-series platforms, Ethernet devices and the Crestron line of wired and wireless Touchpanels, as well as any future hardware that may support the use of these files.

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