



ADA Suite 16 Global Control Module Application Guide v2

Description

This module is used to control the global functions of an ADA Suite 16 using a Crestron 2 series processor. This module allows you to set input attenuation for individual sources, Select a source for or engage any of the eight party modes and page to an individual room or all rooms

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.

PARAMATER DETAILS

SOURCE INPUT TRIM 1...16:

This field allows you to adjust the trim of individual inputs when trying to balance the levels of various inputs. Clicking on the parameter field will display a drop-down list where you may select a trim value of 0 dB (Unity) to -45dB in 1.5dB increments.

SOURCE FOR PARTY MODE 1...8:

The Suite 16 will switch all rooms included in a party mode to select the source number indicated when the party mode is activated. **This value must be entered as a two-digit number, for example source 2 would be entered as 02.** For example, A value of 09 set for party mode 1 would cause all rooms included in party mode 1 to turn on to source input 9.

Inclusion in or removal from a party group is accomplished with the individual room control module for the desired room(s).

ROOM EXCLUDED IN PAGE GROUP 1...8:

This parameter is used to prevent feedback in the room a page originates from by disabling page in the room where the page originates.

DIGITAL INPUTS

[all_rooms_off]	Pulse to turn off all rooms. It only necessary to use this input on one module; for example you would leave the [all_rooms_off] input on Room Control modules disconnected.
[party_mode_1...8]	Pulse to activate party modes 1 through 8
[direct_page]	Hold high to page a single room (specified using the [room_number_to_page] analog; page ends when signal is low (released).
[page_group_tog_1...6]	Pulse to toggle (activate or deactivate) any of the 5 manual page groups defined on the Suite 16
[auto_page_enable]	Hold high to enable the "auto page" (audio level sensing) feature of the Suite 16's Page Input.
[poll_all_rooms]	Pulse to poll all data for all rooms
[restore factory default]	Press and hold for 3 seconds to reset the Suite 16 to factory defaults

ANALOG INPUTS

[room_number_to_page]	The number of the room to be paged when the [direct page] input is held high. Refer to the demo program for an example of implementation.
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SERIAL INPUTS

ada_suite_16 rx\$	Route from serial rx\$ of the Suite 16 COM port
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DIGITAL OUTPUTS

[all_rooms_off_fb]	High when all rooms are off
[party_mode_1...8_fb]	High when the respective party mode is engaged.
[to_room_module]	Connect to [input_from_global_module] on room module if using paging features.
[page_group_1...6_fb]	High when the respective page group is active
[auto_page_enabled_fb]	High when the "auto page" feature of the Suite 16 is active.
[auto_page_active_fb]	High when a page is occurring using the auto page feature
[manual_page_is_active_fb]	High when a page is occurring using one of the manual page groups.

ANALOG OUTPUTS

This module does not have any analog outputs.

SERIAL OUTPUTS

ada suite 16 tx\$	Route to serial tx\$ of the Suite 16 COM port
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PARAMETERS

source 1...16 input trim	Sets the input trim for that source (see detail)
source for party mode_1...8	Sets the source number that will be activated with each party mode
room excluded in page group 1...6	Enter a room number to be excluded from each page group. This feature is used to prevent feedback when paging room

Contents

The distribution package for this module should include:

ADA_Suite_16_Global_help_v2.pdf	This help file
ADA_Suite_16_Global_v2.umc.....	Crestron user module to insert in program
ADA_Suite_16_Global_Demo_XPANEL_v2.vtp.....	Example XPANEL (800x600)
ADA_Suite_16_Global_Demo_TPS4500_v2.vtp	Example TPS-4500 (800x600)
ADA_Suite_16_Global_Demo_Program_v2.smw	Example program (PRO2)

Revision History

v1 lee@controlworks.com 2006.07.26

First release

V2 Lee@controlworks.com 2006.11.08

Removed SIMPL+ string handling internal to the module and replaced with SIMPL

Development Environment

Version 2 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

Crestron TPS-4500 Touchpanel v2.002

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

ControlWorks Consulting, LLC 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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