CRESTRON
HELP FILE DOCUMENT

Manufacturer: Allen & Heath
Model: AHM64
Device Type: Digital Signal Processor

CONTACT SUPPORT:

COMPANY NAME:	Allen & Heath
SUPPORT CONTACT:	Support
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NOTES:	

GENERAL INFORMATION

SIMPLWINDOWS NAME:	AandH XPoint Level Control-AHM64 r0.0
CATEGORY:	DSP
VERSION:	V0.0
SUMMARY:	This module controls Input to Zone, and Zone to Zone levels (Xpoint faders).
GENERAL NOTES:	This module controls Input to Zone, and Zone to Zone levels (Xpoint faders). While demo code is for the MC4 processor, this has been tested against both 3-series and 4-series processors. Module set currently does NOT support SSL encrypted connections between the processor and AHM64. Reference the AHM64 protocol for valid Control Channels for the selected control type. For more information Reference: AHM-TCP-Protocol-V1.pdf
CRESTRON HARDWARE REQUIRED:	3-series & 4-series processors only
SETUP OF CRESTRON HARDWARE:	This Module requires an external TCP/IP connection symbol (Port 51325) to communicate to the AHM64. Please see the example file for detailed connectivity.

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VENDOR FIRMWARE:	V1.02 - Rev59154
VENDOR SETUP:	Tested with AHM64 Firmware V1.02 - Rev59154 and System Manager and firmware V1.02
CABLE DIAGRAM:	TCP/IP connection

CONTROL: (*examples below)

Signal/Function Name	D.S.A	Digital, Serial, Analog signal property definition.
FdrLvl	A	Set the analog to the range of 0d~127d (00h~7Fh). See documentation for dBu conversion.
Inc / Dec	D	Increment / Decrement Level (1) step with each pulse. Note: Increment and Decrement does not ramp, this must be down external to the module if desired.
Poll	D	Pulse to poll and sync the current level. Should only be needed for initial reading of level at code start or after recalling a preset. Module will poll internally for other changes.
FmMixer	S	Connect to the TCP/IP symbol receive line.

FEEDBACK: (*examples below)

	D.S.A	
FdrLvlFb	A	Feedback of the level in the range of 0d~127d (00h~7Fh). This is tracked internally by the module. It is also updated when the mixer sends feedback when the control is nudged, or on a poll.
ToMixer	S	Connect to the TCP/IP symbol Transmit line.

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PARAMETERS: (anything needed to be assigned inside program)

Input ControlType	d	Select Input, Zone or Group from drop down list.
Input ControlChnl	d	Select valid range from control type in decimal format.
Output ControlType	d	Select Input, Zone or Group from drop down list.
Output ControlChnl	d	Select valid range from control type in decimal format.

TESTING: (please fill out carefully)

OPS USED FOR TESTING:	MC4 2.4508.00028
SIMPL WINDOWS USED FOR TESTING:	4.14.21
DEVICE DB USED FOR TESTING:	200.30.002.00
CRES DB USED FOR TESTING:	202.00.001.00
SYMBOL LIBRARY USED FOR TESTING:	1115
SAMPLE PROGRAM:	AandH AHM64 Demo MC4.smw
REVISION HISTORY:	V0.0 – Initial Release