Partner: AtlasIED
Model: Atmosphere (AZM4/AZM8)
Device Type: Digital Signal Processor

CERTIFIED
CRESTRON.
Integrated Partner

GENERAL INFORMATION

SIMPLWINDOWS NAME:	AtlasIED Atmosphere v1.0 Action Component
CATEGORY:	DSP
VERSION:	1.0
SUMMARY:	This module controls one specific Action object on the Atmosphere AZM4 or AZM8 audio processor (henceforth referred to as "device").
GENERAL NOTES:	N/A
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series & 4-series processors **ONLY**.
SETUP OF CRESTRON HARDWARE:	This module requires the AtlasIED Atmosphere v1.0 Command Processor in order to operate. Please read the help files associated with that module.
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

www.crestron.com

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

Partner: AtlasIED
Model: Atmosphere (AZM4/AZM8)
Device Type: Digital Signal Processor

CERTIFIED
CRESTRON
Integrated Partner

PARAMETER MATRIX

Although the Atmosphere devices are technically "fixed architecture", many of the controllable points on the device are "virtual" and do not directly correspond with a static/physical component on the device (such as an input or output). For example, a source can be made up of more than one input or a mix can be made up of more than one source. In order to allow for controlling these "virtual" control points, AtlasIED has provided a "parameter matrix" (henceforth referred to as "matrix") directly on the device which is used for this purpose. It is located in Settings → Third Party Control → Message Table.

Below is an example of the matrix from the included demo .azm configuration. This will be used as a reference later in this document. Every matrix will be different and will be created automatically and dynamically as you change the components in your configuration. You will need to reference this matrix on your actual device in order to determine the control components used in the program and the parameters on them.

Names	Gain	Meter	Mute	Name	Source	Combine	Misc
Sources							
Room A Mic	SourceGain_0	SourceMeter_0	SourceMute_0	SourceName_0	--	--	--
Room B Mic	SourceGain_1	SourceMeter_1	SourceMute_1	SourceName_1	--	--	--
Mixes							
Mic Mix	MixGain_14	MixMeter_14	MixMute_14	MixName_14	--	--	--
Zones							
Room A	ZoneGain_0	ZoneMeter_0	ZoneMute_0	ZoneName_0	ZoneSource_0	--	--
Room B	ZoneGain_1	ZoneMeter_1	ZoneMute_1	ZoneName_1	ZoneSource_1	--	--
Groups							
AB Combined	GroupGain_0	GroupMeter_0	GroupMute_0	GroupName_0	GroupSource_0	GroupCombine_0	--
Messages							
Emergency Alert	--	--	--	MessageName_0	--	--	PlayMessage_0
Fire Alarm	--	--	--	MessageName_1	--	--	PlayMessage_1
Routines							
All Hands Meeting	--	--	--	RoutineName_0	--	--	RecallRoutine_0
Holiday Shutdown	--	--	--	RoutineName_1	--	--	RecallRoutine_1
Scenes							
Startup	--	--	--	SceneName_0	--	--	RecallScene_0
Shutdown	--	--	--	SceneName_1	--	--	RecallScene_1
GPO Presets							
Amp Off	--	--	--	GPOPresetName_0	--	--	RecallGPOPreset_0
Amp On	--	--	--	GPOPresetName_1	--	--	RecallGPOPreset_1
Bell Schedule							
--	--	--	--	--	--	--	TodaysBellSchedule
Monday	--	--	--	BellScheduleName_0	--	--	--
Wednesday	--	--	--	BellScheduleName_1	--	--	--
Friday	--	--	--	BellScheduleName_2	--	--	--
GPO Status							
--	--	--	--	--	--	--	GPOState_0
--	--	--	--	--	--	--	GPOState_1

Partner: AtlasIED
Model: Atmosphere (AZM4/AZM8)
Device Type: Digital Signal Processor

PARAMETER:	
Command_Processor_ID	Setting to indicate the ID for the command processor that this module will register itself with.
Parameter_Index	Each control point on the device will be assigned an index automatically/dynamically which can be found on the matrix (as shown on the previous page). The leftmost column of the matrix has a listing of all the controllable components. Each component row contains all the available control points for that particular control. At the end of each of these names is a number. This number is the Parameter Index. For example, if this control component is meant to control the message action called "Emergency Alert" on the aforementioned matrix, you will see that the Parameter Index used all along the row for "Emergency Alert" is 0. Enter 0 for this setting on the control module. This is how the control module knows which component to control.
Action_Type	Select the type of action that this component will control. There are 4 possible actions to select from: Message, Routine, Scene and GPO Preset.

Partner: AtlasIED
Model: Atmosphere (AZM4/AZM8)
Device Type: Digital Signal Processor

CONTROL:		
Trigger_Action	D	Pulse to recall the action.
Poll	D	Though the module will automatically subscribe for all relevant feedback, this signal has been provided as a convenience in case you would like to poll manually (or if subscriptions fail for any reason). Pulse to poll for the current state.

Certified Module

Partner: AtlasIED
Model: Atmosphere (AZM4/AZM8)
Device Type: Digital Signal Processor

CERTIFIED
CRESTRON®
Integrated Partner

FEEDBACK:

Is_Initialized	D	Signal is high to indicate the module has successfully received all required responses from its initializing queries.
Action_Name	S	Serial signal reflecting the name of the action as programmed on the devices web interface.

Partner: AtlasIED
Model: Atmosphere (AZM4/AZM8)
Device Type: Digital Signal Processor

CERTIFIED
CRESTRON®
Integrated Partner

TESTING:

OPS USED FOR TESTING:	CP3: 1.8001.4666.20418 MC4: 2.7000.00031
SIMPL WINDOWS USED FOR TESTING:	4.1800.14
CRES DB USED FOR TESTING:	210.0500.001.00
DEVICE DATABASE:	200.14000.001.00
SYMBOL LIBRARY USED FOR TESTING:	1156
SAMPLE PROGRAM:	AtlasIED Atmosphere v1.0 Demo IP CP3
REVISION HISTORY:	v1.0 – Initial Release