

Atmosphere v4.5 Overview

2025

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Atmosphere platform release history

Atmosphere ongoing development:

- 16 feature releases
- 9 core processors
- 9 plug and play accessories



What is new in v4.5?

Generally, there are three notable and impactful improvements to Atmosphere in 4.5

1. Support for new Touchscreen Wall Controllers
2. New Action type: "IP Commands"
3. Advanced "System Logic" engine

Touchscreen Wall Controller – Front Page

- **New plug and play wall controller**
- 4.3" touchscreen
- Programmable action buttons
- Capacitive volume slider
- Motion sensor
- Bluetooth audio option
- Available in white and black



C-T4

Touchscreen Wall Controller – Front Page

- New plug and play wall controller
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C-T4

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C-T4

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- 4.3" touchscreen
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- Capacitive volume slider
- Motion sensor
- **Bluetooth audio (option)**
- Available in white and black



C-T4BT

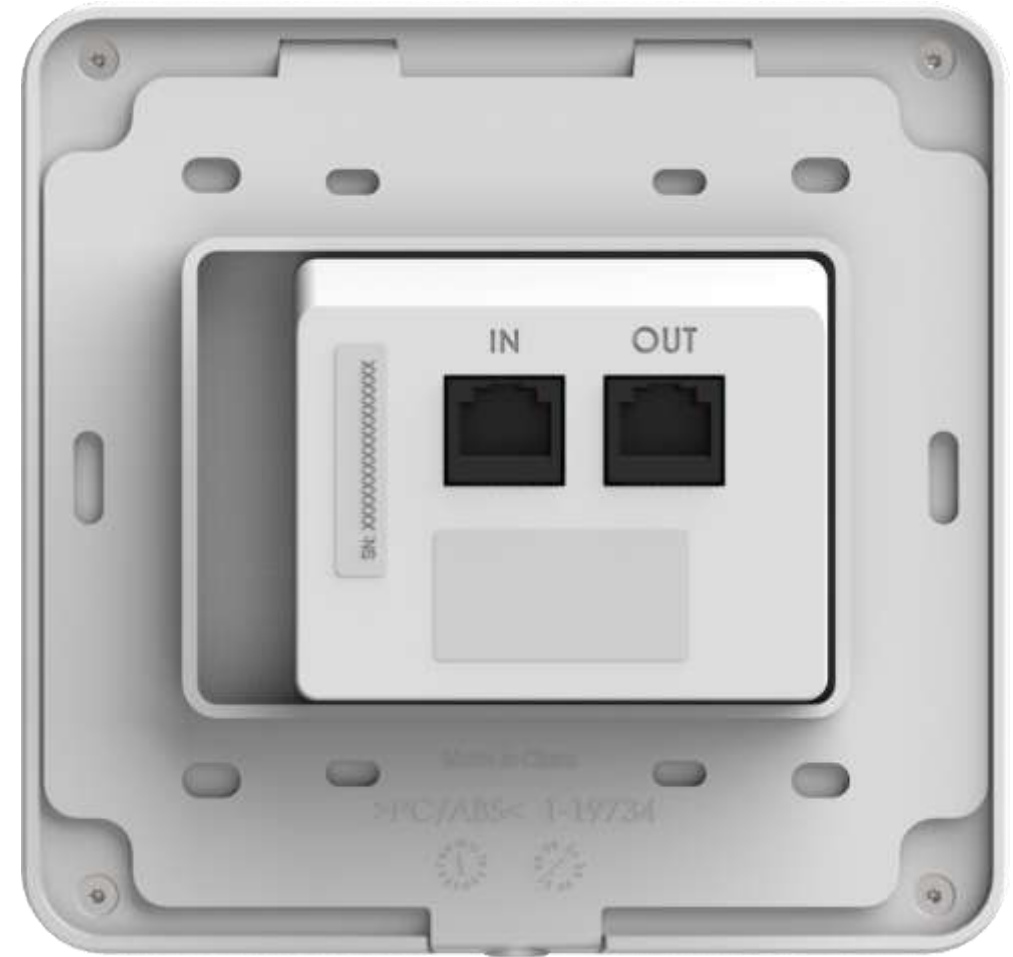
Touchscreen Wall Controller – Front Page

- New plug and play wall controller
- 4.3" touchscreen
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- Motion sensor
- Bluetooth audio option
- **Available in white and black**



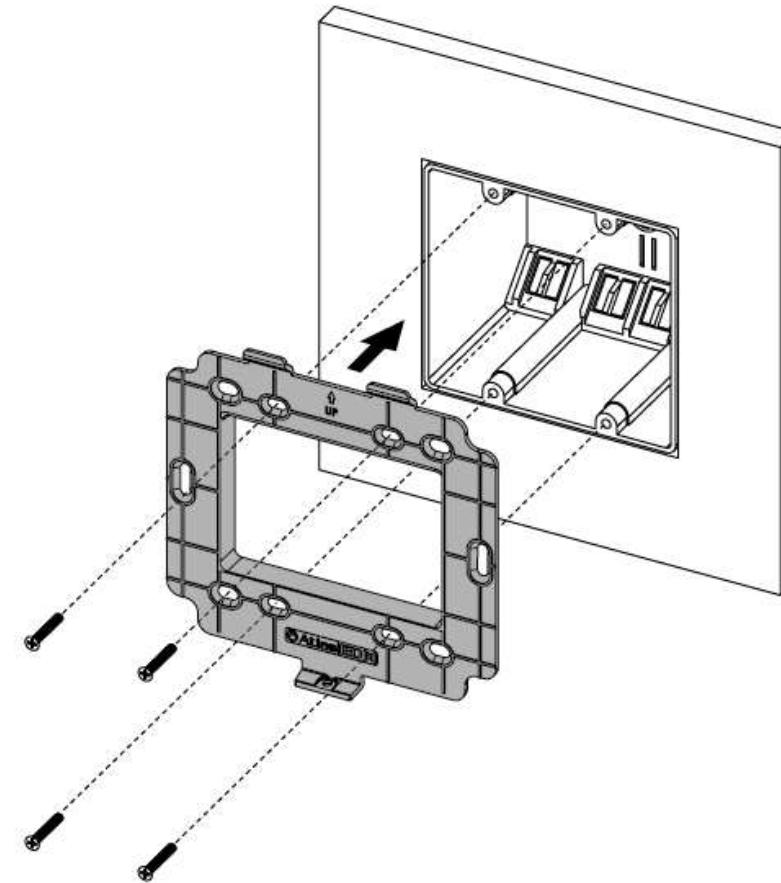
Touchscreen Wall Controller – Back Page

- **Dual gang form factor, compatible with EU junction box**
- Easy universal mounting
- Shallow depth
- Consumes 2x 'slots' and audio input (BT)
- Maximum 12x C-T4/BT per system
- Customizable configuration options



Touchscreen Wall Controller – Back Page

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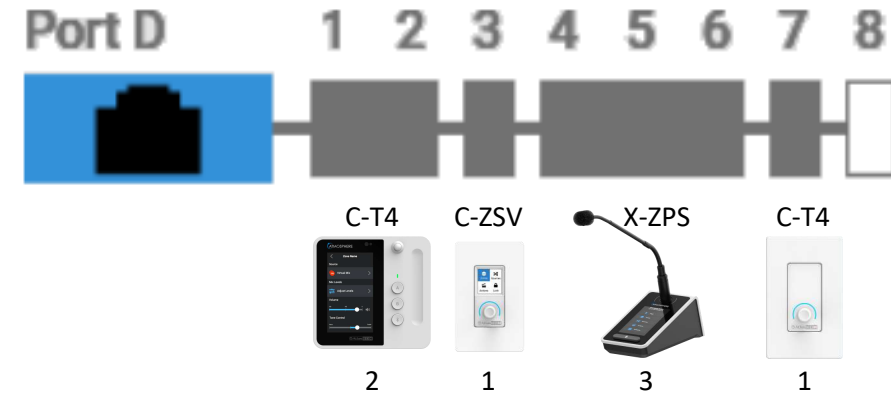
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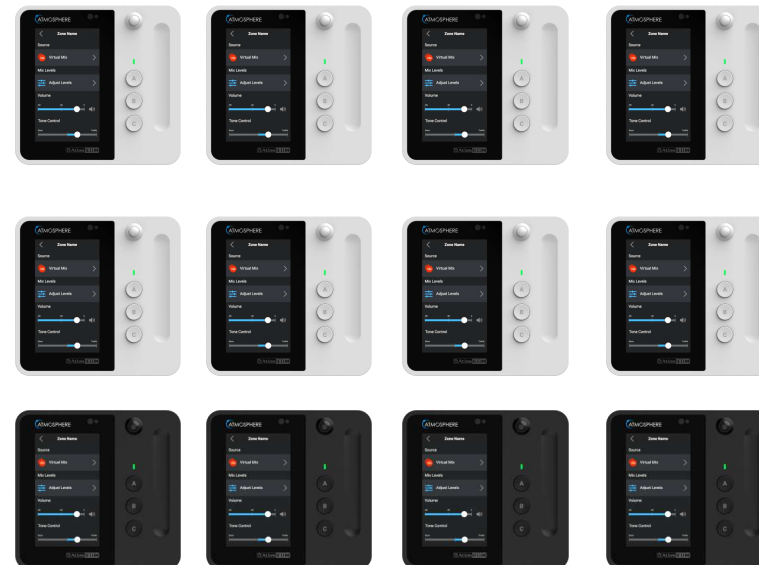
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MODEL	DESCRIPTION	#POWER SLOTS	AUDIO SLOTS?
C-T4BT	Multi-zone touch controller w/Bluetooth audio	2	Yes
C-T4	Multi-zone touch controller	2	No
C-V	Volume controller	1	No
C-ZSV	Multi-zone controller	1	No
X-ZPS	Paging station	3	Yes
A-RCA	RCA audio input	1	Yes
A-XLR	XLR audio input	1	Yes
A-BT	Bluetooth audio input	1	Yes
X-ANS	Ambient Noise Sensor	1	No

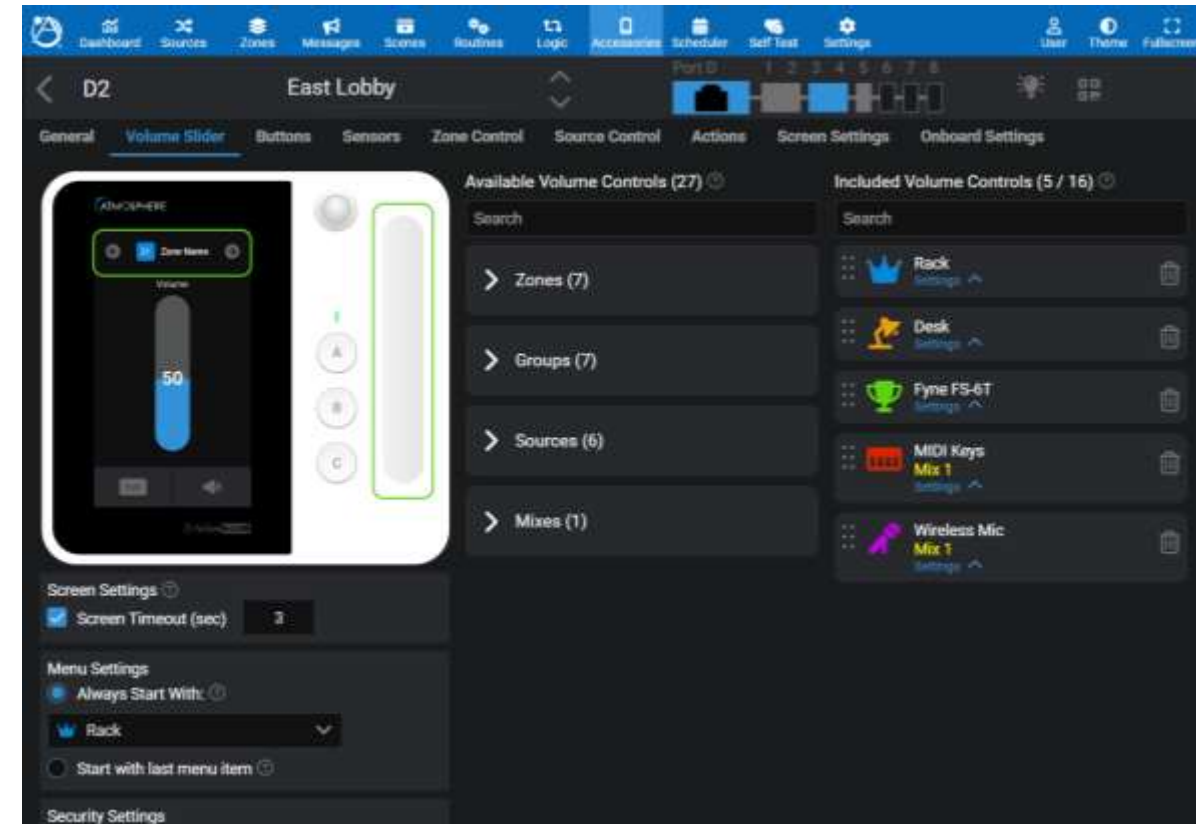
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Touchscreen Wall Controller



C-T4

Controller only
White



C-T4-B

Controller only
Black



C-T4BT

Controller w/Bluetooth
White



C-T4BT-B

Controller w/Bluetooth
Black

Atmosphere Accessories



C-ZSV



C-V



A-XLR



C-T4



A-BT



A-RCA



X-ANS







C-T4BT



X-ZPS

C-T4 Website & Documentation

Completed (May 2025)

-  Datasheet
-  Install Guide
-  Website product pages
-  Updated Atmosphere family videos





Datasheet



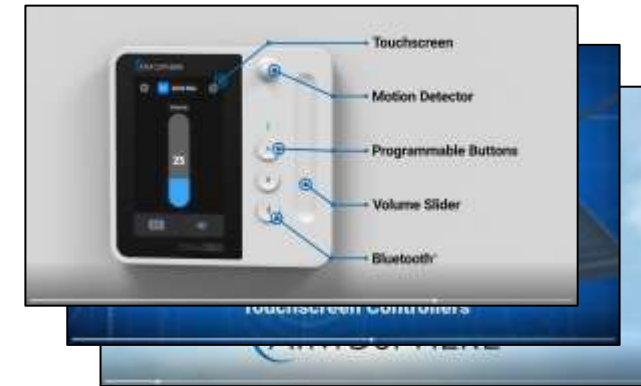
Install Guide

Upcoming

-  Quick Start Guide
-  Product how-to video



Product Pages



Website Video

What is new in v4.5?

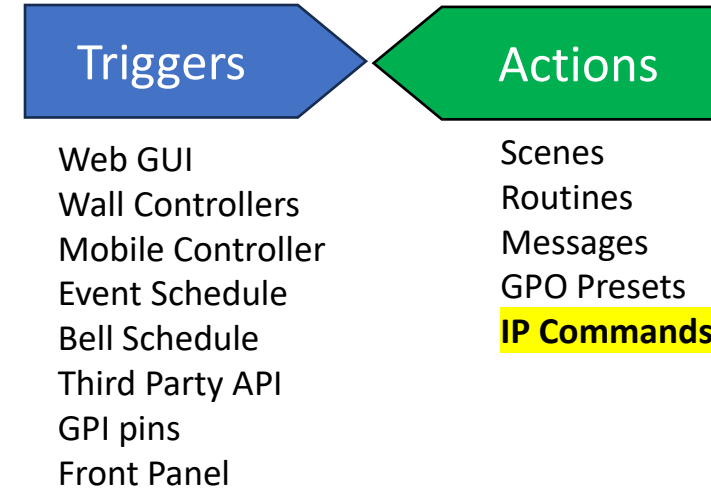
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4.5 IP Commands

What is an “IP Command”

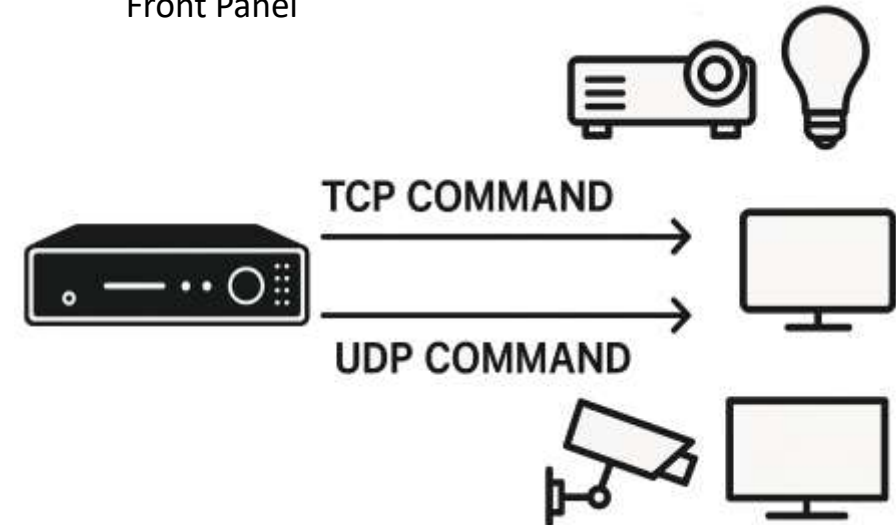
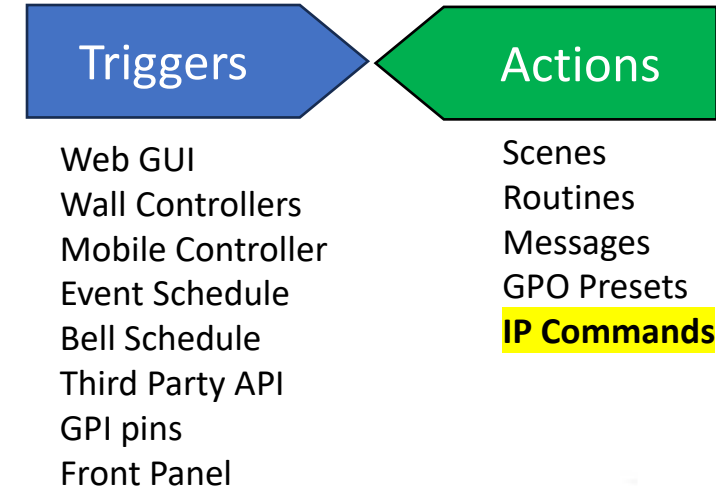
- New **Action** type in AZM



4.5 IP Commands

What is an “IP Command”

- New **Action** type in AZM
- Send TCP/UDP network commands to 3rd party devices
- Recalled based on all the usual Triggers
 - Web GUI
 - Mobile controller
 - Wall controllers
 - Scheduler
 - Bell Schedule



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Examples

1. Turn on a projector and set its source



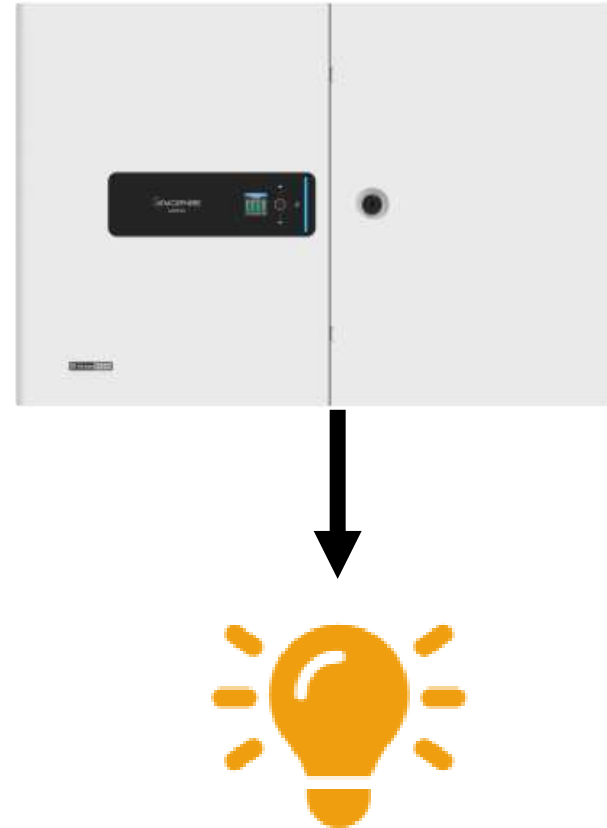
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Examples

1. Turn on a projector and set its source
2. Turn on/off lights



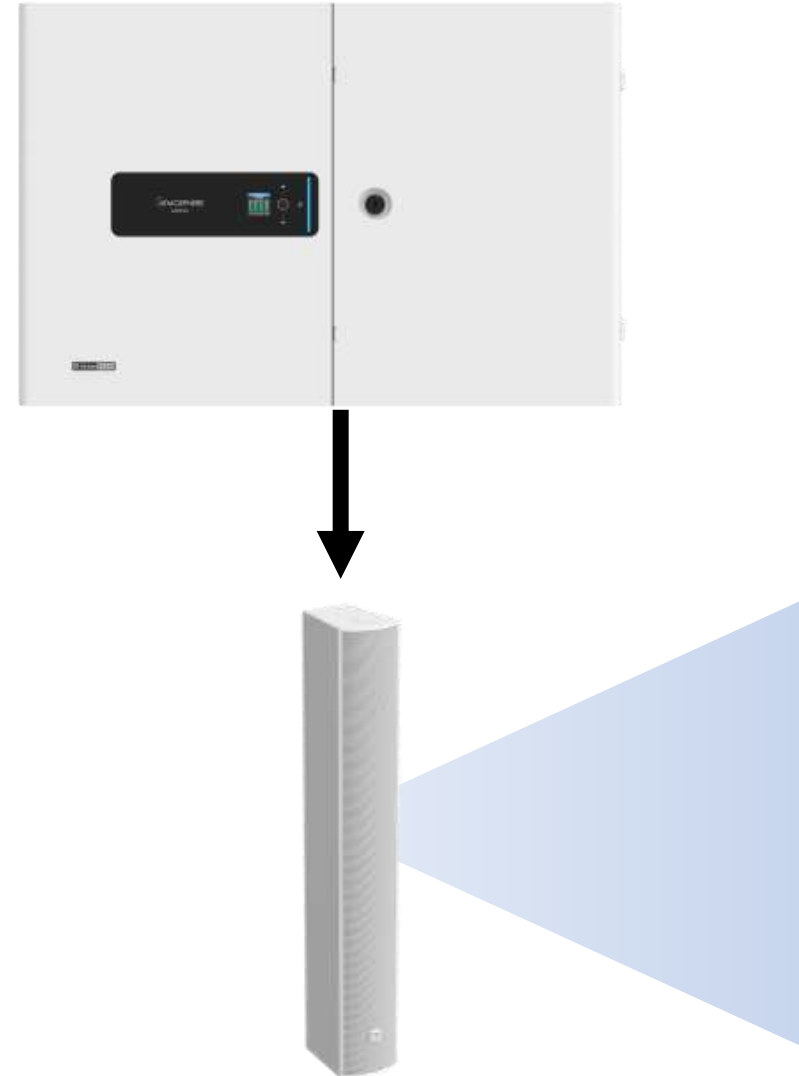
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Examples

1. Turn on a projector and set its source
2. Turn on/off lights
3. Change steering preset on Aimline ALX-D
4. Unlimited integration options



Digital Signage
Cameras/VMS
Building Control System
Etc

[Dashboard](#)[Sources](#)[Zones](#)[Messages](#)[Scenes](#)[Routines](#)[Logic](#)[Accessories](#)[Scheduler](#)[Self Test](#)[Settings](#)[User](#)[Theme](#)[Fullscreen](#)

Logic

[Inputs](#)[High Priority Input](#)[Outputs](#)[Output Presets](#)[IP Commands](#)[System Logic](#)[+ ADD IP COMMAND](#)

All Lamps - Toggle

All Lamps - On

All Lamps - Off

IC25 Demo FS-4T LED

IC25 Demo FS-6T LED

Projector On

Projector Off

7/100 IP Commands Used

Projector On

[Delete](#)[Duplicate](#)[RECALL IP COMMAND](#)Protocol **UDP** TCP

IP Address 192 · 168 · 66 · 87 ✓

Port 5321

Delay (sec) 0

Message #projector_Pwr_On

Line ending \n

Notes Turn projector on

Copy Header Info ☒ ?

Delay (sec) 10 T = 10 sec

Message #projector_Src_HDMI2

Line ending \n

Notes Wait 10 seconds for projector to boot up, then set input to HDMI2

[Add Stacked Command](#)[^ Advanced](#)

2/10 stacked commands



Logic

[Inputs](#)[High Priority Input](#)[Outputs](#)[Output Presets](#)[IP Commands](#)[System Logic](#)[+ ADD IP COMMAND](#)[All Lamps - Toggle](#)[All Lamps - On](#)[All Lamps - Off](#)[IC25 Demo FS-4T LED](#)[IC25 Demo FS-6T LED](#)[Projector On](#)[Projector Off](#)

Projector Off

[Delete](#)[Duplicate](#)[RECALL IP COMMAND](#)

Protocol **UDP** TCP

IP Address 192 · 168 · 66 · 87 ✓

Port 5321

Delay (sec) 0

Message #projector_Pwr_Off

Line ending \n

Notes Turn projector off

Add Stacked Command

[^ Advanced](#)

1/10 stacked commands

7/100 IP Commands Used

What is new in v4.5?

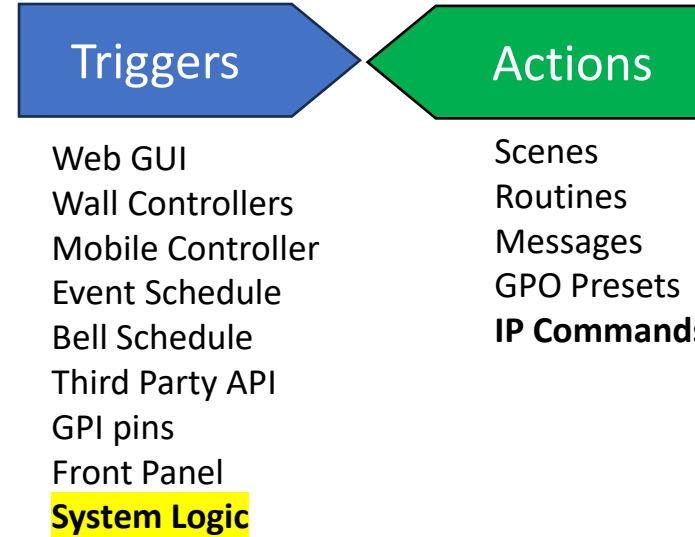
Generally, there are three notable and impactful improvements to Atmosphere in 4.5

1. Support for new Touchscreen Wall Controllers
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4.5 System Logic

What is an “System Logic”

- New **Trigger** type in AZM
- Create custom rules to trigger Actions
- Customization without the complexity



4.5 System Logic – Example 1

“I want to know when TouchTunes is taking priority over normal BGM in the Bar”

Conditions

Group: A Add Condition Add Group

A	Priority Dete...	▼	Bar	▼	==	▼	2 RMS Two	▼	Activatio	<input type="checkbox"/> Invert
---	------------------	---	-----	---	----	---	-----------	---	-----------	---

1/10 conditions allowed

GUI is work in progress

4.5 System Logic – Example 2

“I want to know when the signal in the Dining Room is at or above -6dB for more than 5 seconds”

Conditions

Group: A Add Condition Add Group

A	Signal Level	▼	Dining Room	▼	>=	▼	-6	5	Hysteres	Invert <input type="checkbox"/>	
---	--------------	---	-------------	---	----	---	----	---	----------	---------------------------------	---------------

1/10 conditions allowed

GUI is work in progress

4.5 System Logic – Example 3

“I want to know when the Lobby or Front Office is receiving a page from any of my paging stations”

Conditions

OR

Group: A || B

Add Condition

Add Group

A	Paging Status	Any	Lobby	<div>Invert</div> <div></div>
B	Paging Status	Any	Front Office	<div>Invert</div> <div></div>

2/10 conditions allowed

GUI is work in progress

4.5 System Logic – Example 4

“I want to know when Bluetooth is paired and there is no signal for 20 seconds”

Conditions

Group: A & B Add Condition Add Group

AND	A	Bluetooth St...	Bluetooth De...	Is Paired	Activatio	<input type="checkbox"/> Invert	
	B	Signal Level	BlueTooth	<	-40 20	Hysteres	<input type="checkbox"/> Invert

2/10 conditions allowed

GUI is work in progress

4.5 System Logic – Example 5

“I want to know when any Zone is clipping”

Conditions

Group: A || B || C || D || E || F || G

Add Condition
Add Group

OR	A	Signal Clippi...	Lobby	Is Clipping	Activatio	Invert
	B	Signal Clippi...	Front Office	Is Clipping	Activatio	Invert
	C	Signal Clippi...	Patio	Is Clipping	Activatio	Invert
	D	Signal Clippi...	Meeting Room	Is Clipping	Activatio	Invert
	E	Signal Clippi...	Dining Room	Is Clipping	Activatio	Invert
	F	Signal Clippi...	Parking Gara...	Is Clipping	Activatio	Invert
	G	Signal Clippi...	Bar	Is Clipping	Activatio	Invert

7/10 conditions allowed

GUI is work in progress

4.5 System Logic – Example 6

“I want to know when there is motion detected on any of the C-T4 controllers in the Meeting Room...”

Conditions

Group: A || B || C

Add Condition

Add Group

OR	A	Motion Dete...	▼	Mtg Room 1	▼	Activatio	Invert	
	B	Motion Dete...	▼	Mtg Room 2	▼	Activatio	Invert	
	C	Motion Dete...	▼	Mtg Room 3	▼	Activatio	Invert	

3/10 conditions allowed

GUI is work in progress

4.5 System Logic – Example 7

“I want to know when there is motion detected on any of the C-T4 controllers in the Meeting Room... but only if a wall switch is ON”

Conditions

Group: A & (B || C || D)

Add Condition

Add Group

AND

A

GPI Status

GPI 1

Activatio

Invert

OR

Group: B || C || D

Add Condition

Add Group

B

Motion Dete...

Mtg Room 1

Activatio

Invert

C

Motion Dete...

Mtg Room 2

Activatio

Invert

D

Motion Dete...

Mtg Room 3

Activatio

Invert

4/10 conditions allowed

GUI is work in progress

4.5 System Logic – Example 7

“I want to know when there is motion detected on any of the C-T4 controllers in the Meeting Room... but only if a wall switch is ON”

Conditions

Group: A & (B || C || D)

AND

OR

A

GPI Status

GPI 1

Activatio

Invert

B

Motion Dete...

Mtg Room 1

Activatio

Invert

C

Motion Dete...

Mtg Room 2

Activatio

Invert

D

Motion Dete...

Mtg Room 3

Activatio


Invert

Add Condition


Add Group

4/10 conditions allowed

GUI is work in progress



PROTECT • INFORM • ENTERTAIN





Logic

Inputs

High Priority Input

Outputs

Output Presets

IP Commands

System Logic

+ ADD LOGIC RULE

Any Page

Lobby/Office Paging

Meeting Room Motion

TouchTunes Active

High Vol Dining Rm

Any Zone Clipping

BT Pair No Signal

Meeting Room Motion

Delete

Duplicate

Enable ☐

Actions

TRUE ↑

IP Command

Lamp On

FALSE ↓

IP Command

Lamp Off

Conditions

Group: A || B || C

Add Condition

Add Group

OR

A

Motion Dete...

Mtg Room 1

Activatio

Invert

B

Motion Dete...

Mtg Room 2

Activatio

Invert

C

Motion Dete...

Mtg Room 3

Activatio

Invert

3/10 conditions allowed



Logic

Inputs

High Priority Input

Outputs

Output Presets

IP Commands

System Logic

+ ADD LOGIC RULE

Any Page

Lobby/Office Paging

Meeting Room Motion

TouchTunes Active

High Vol Dining Rm

Any Zone Clipping

BT Pair No Signal

Meeting Room Motion

Delete

Duplicate

Enable ☐

Actions

TRUE ↑

IP Command



Lamp On



FALSE ↓

IP Command



Lamp Off

Actions to take
when rule is
True/False

Conditions

Group: A || B || C

Add Condition

Add Group



OR

A

Motion Dete...



Mtg Room 1



Activatio

Invert



B

Motion Dete...



Mtg Room 2



Activatio

Invert



C

Motion Dete...



Mtg Room 3



Activatio

Invert



3/10 conditions allowed

Conditions of rule

4.5 System Logic

This is pretty technical...

- Yes and No
- It can be simple if you need to do simple things
- It can be complex if you want to do complex things
- Solves a plethora of unique customer requests
- Helps bridge the gap between complex scripting (code writing), expensive customization (Crestron), and Atmosphere's guided design approach

System Logic + IP Commands give our installers significantly improved customization options

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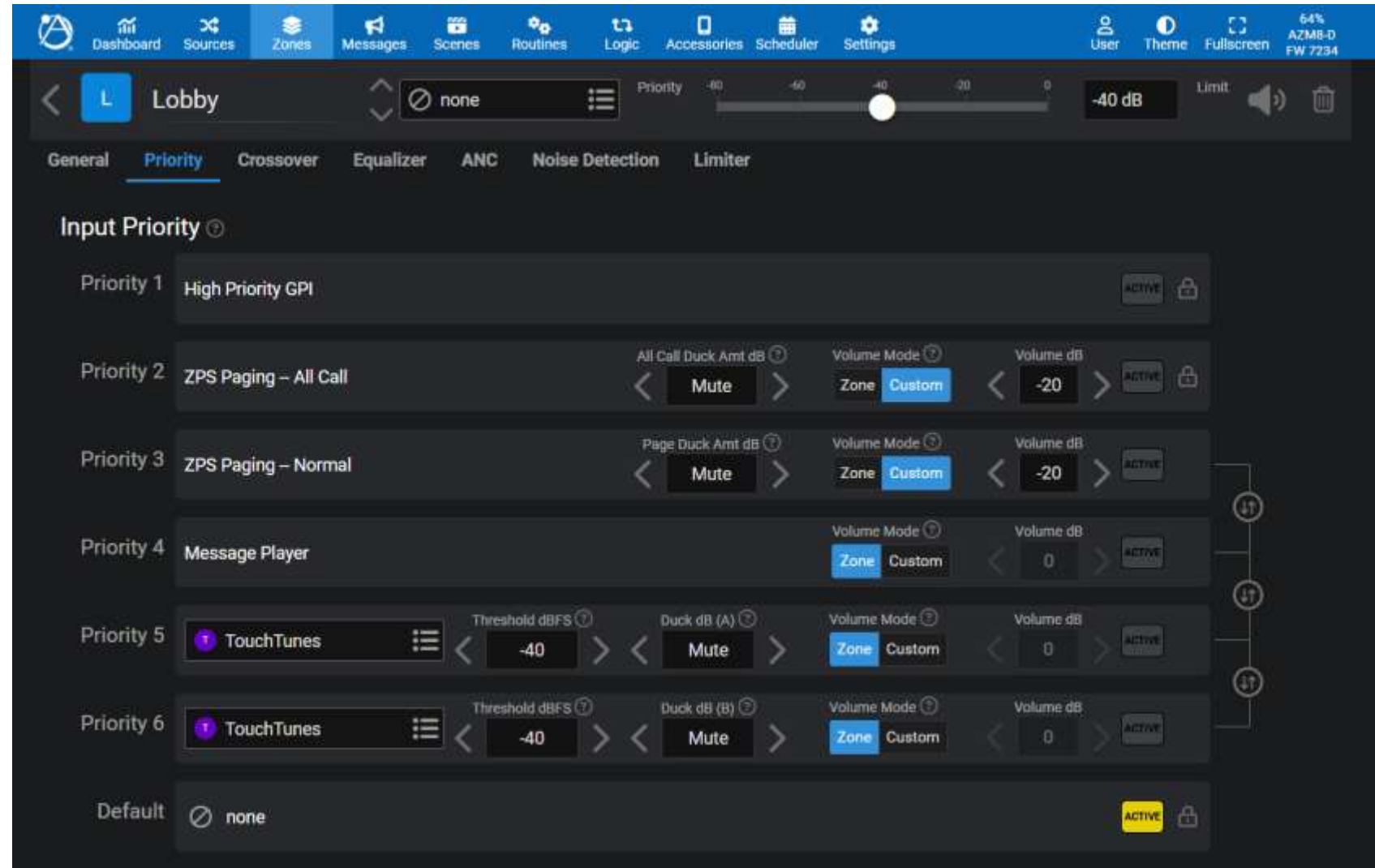
1. Support for new Touchscreen Wall Controllers
2. New Action type: "IP Commands"
3. Advanced "System Logic" engine
4. Tom's other favorites

4.5 - Other

Audio Priority improvements

GPI Toggle behavior

Play Message Indefinitely



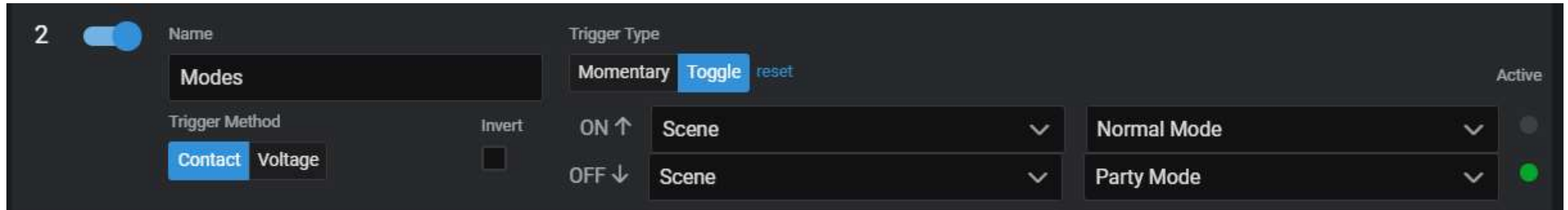
Each Priority level now has a “custom” volume level which allows that priority level (such as Paging or Messages) to be played consistently at the desired volume level regardless of current user-selected Zone volume

4.5 - Other

Audio priority improvements

GPI Toggle behavior

Play Message Indefinitely



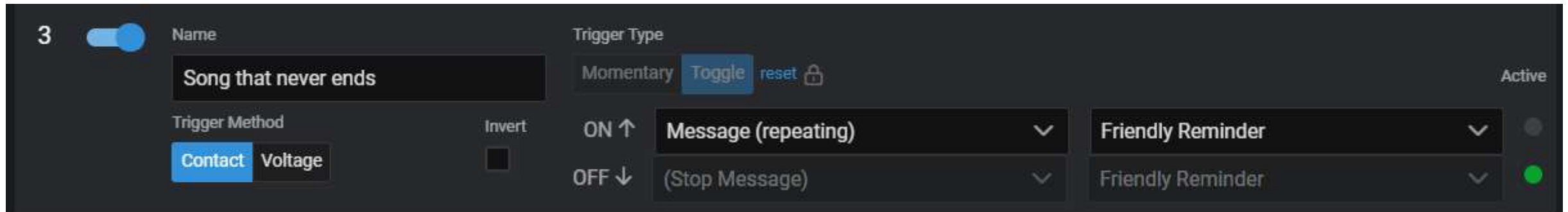
GPI now have a two-state “Toggle” behavior option, in addition to the existing single-state “Momentary” behavior. This allows for a switch to be used to toggle between two Actions, or play a Message on repeat indefinitely...

4.5 - Other

Audio priority improvements

GPI Toggle behavior

Play Message Indefinitely



Audio Messages can now be triggered to play on repeat indefinitely when the GPI is True.



PROTECT • INFORM • ENTERTAIN

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