

proMedias

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The screenshot displays the 'Sources' and 'Mixes' sections of the proMedias software interface. The top navigation bar includes icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The 'Sources' section shows 4/14 Processing Channels Used and includes a list of sources: Mikro Altar (Mono, -30 dB), Mikro Ambo (Mono, 0 dB), Bluetooth (Mono, 0 dB), and Line In (Mono, 0 dB). Each source has controls for Gate, De-Ess, and Comp, and a volume slider. The 'Mixes' section shows 1/8 Mix Channels Used and includes a 'Summe' (Virtual mix of 4 sources) with a volume slider at 0 dB. Below the mixes is a 'Signal Generator' section with a dropdown menu set to 'Sine', a frequency of 1000 Hz, and a volume slider at -46 dB.

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The screenshot shows the 'Equalizer' control interface for 'Source 2'. At the top, there is a navigation bar with icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. Below this, the 'Source 2' header includes buttons for Gate, De-Ess, and Comp, along with a volume slider set to 0 dB. The main interface has tabs for General, Gate, De-Esser, Compressor, Equalizer (selected), and Auto-Gain. On the left, there is an 'EQ Enable' toggle (checked) and buttons for 'PRESETS' and 'FLATTEN ALL'. The central part is a frequency response graph with 'Gain (dB)' on the y-axis (ranging from -25 to 25) and frequency on the x-axis (logarithmic scale from 20 to 20000 Hz). Four frequency bands are visible: Band 1 (green, ~50 Hz), Band 2 (orange, ~100 Hz), Band 3 (red, ~1000 Hz), and Band 4 (yellow, ~10000 Hz). Below the graph, there are controls for each band: Filter Enable (checked), Type (PEQ), Frequency (Hz) (100), Gain (dB) (0.0), and Q/Slope (dB/Oct) (1.0).

The screenshot shows the 'Auto-Gain' control interface for 'Source 2'. It features the same top navigation bar as the Equalizer interface. The 'Auto-Gain' tab is selected, showing an 'Enable' toggle (checked). Below this are three main sliders: 'AGC Input Level (dBFS)' with a 'Threshold' marker at -60 dBFS, 'AGC Output Level (dBFS)' with a 'Target' marker at -15 dBFS, and 'Boost/Cut Gain (dB)' with a marker at 0 dB. At the bottom, there are six numerical input fields: Threshold (dBFS) at -60, Target Level (dBFS) at -15, Target Window (dB) at 10, Max Boost (dB) at 10, Max Cut (dB) at 10, and Speed (dB/s) at 15.

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The screenshot displays the proMedias control interface with the following sections:

- Navigation Bar:** Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, Settings, User, Fullscreen.
- Zones:** 5/8 Processing Channels Used. Includes controls for Main Hall, Empore, Choir, Monitor, and Loop. Each zone has a priority slider, a gain level (e.g., -16 dB, -30 dB, 0 dB), and a limit indicator.
- Groups:** 1/12 Groups Used. Includes a Main PA group containing 3 zones.
- Audio Routes:** A table listing routes for each zone to specific output ports.

Route Type	Input/Tap	Output Ports	Signal	Actions
Zone (Post-DSP)	Main Hall	Amp Out 1	●	✎
Zone (Post-DSP)	Empore	Amp Out 2	●	✎
Zone (Post-DSP)	Choir	Amp Out 3	●	✎
Zone (Post-DSP)	Monitor	Amp Out 4	●	✎
Zone (Post-DSP)	Loop	Line Out 1	●	✎

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Zone 1 Source 1 Priority -40 dB Limit

General **Priority** Crossover Equalizer ANC Noise Detection Limiter Amplifier

Input Priority

Priority Ranking: Prioritizes which audio source will take priority when multiple sources are active, such as a message and a page being sent at the same time.

Priority Threshold (dBFS): When an audio source is above this threshold the priority source will activate.

(Highest Priority) Active < -40 >

- High Priority GPI
- ZPS Paging -- All Call
- ZPS Paging -- Normal
- Message Player
- none
- Zone Routed Source

(Lowest Priority)

Universal Priority Router Dynamics

Universal Ducking: Duck Amount (dB) 0, Duck Attack (ms) 100, Duck Hold (ms) 5000, Duck Release (ms) 1000

ZPS Page Ducking: Page Duck Amt (dB) -9, All Call Duck Amt (dB) -20

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ANC is inactive
 Please connect a noise sensor accessory (X-ANS) to activate

Sensor Noise Level Estimates

Select Sensors

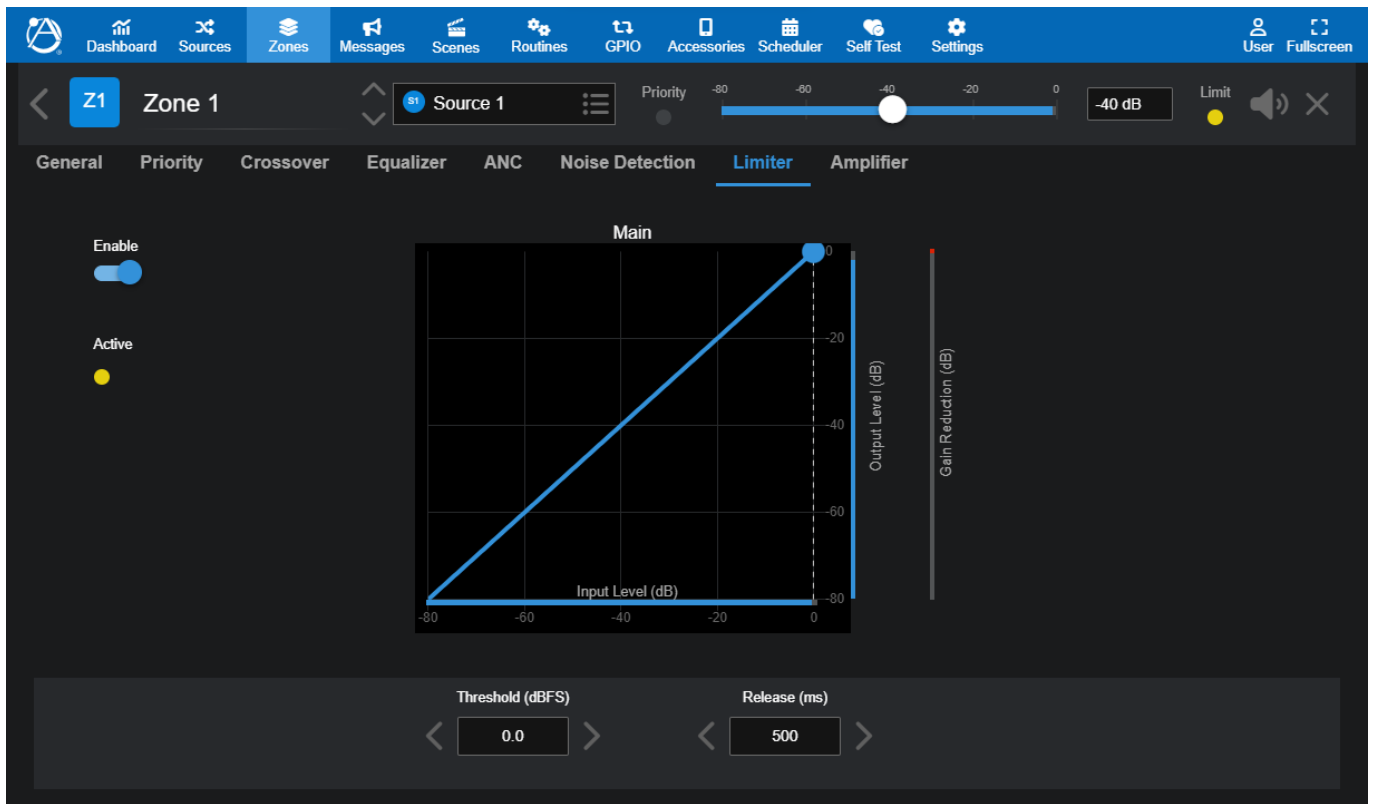
Applied Gain (dB)

Ambient Room Noise (dB SPL)

Active Compensation Range (dB SPL)

Slope: 0.6 | Attack (dB/s): 3.0 | Release (dB/s): 0.3 | Sensitivity: 0.0

The screenshot displays the proMedias software interface for Zone 1. The top navigation bar includes icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, Settings, User, and Fullscreen. The main control area is divided into tabs: General, Priority, Crossover, Equalizer, ANC, Noise Detection (selected), Limiter, and Amplifier. The Noise Detection tab shows a graph of dB SPL (30 to 110) over time (300 to 0 seconds ago). The graph displays a horizontal line at 60.0 dB SPL and a vertical line at 3.0 seconds. The text on the graph reads: "Noise detection is inactive. Please connect a noise sensor accessory (X-ANS) to activate". To the right of the graph, the "Noise Sensors" section includes a "Select Sensors" button and a list of "Sensor Profiles": Transient (20.0dB SPL), Ambient (30.0dB SPL), Audio (20.0dB SPL), and Total (20.0dB SPL). Below the graph, the "General Parameters" section shows "SPL Threshold" (60.0), "Time Threshold" (3.0), and "Hysteresis" (3.0). The "Loud Event Action" and "Quiet Event Action" sections each have a "Recall Scene" dropdown and a "Select scene" dropdown.



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The screenshot displays the 'Main Hall' control interface, specifically the 'Amplifier' settings page. The top navigation bar includes icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The main interface is divided into several panels:

- Amp Channel:** Mono, Amp Out 1.
- Status:** Amp Channel Ready, Thermal Normal, Amp Limit.
- Channel Mode:** Output Type: 100V, Sensitivity: 24dB (default), 80Hz HPF.
- Impedance:** Real Time: 10.0 Ω , Speaker Preset: None.
- Power Sharing:** Amp Outputs 1-4, Available Watts: 165/615W, Main Hall Amp Out 1: 320 W, Empore Amp Out 2: 60 W, Choir Amp Out 3: 60 W, Monitor Amp Out 4: 10 W, Amp Outputs 5-8, Available Watts: 595/615W, Amp Out 5: 5 W, Amp Out 6: 5 W, Amp Out 7: 5 W, Amp Out 8: 5 W.
- Auto Standby:** Enable, Hold Time: 60.0 min, Threshold: -70.0dB.
- Deep Sleep:** Enable, Amp Outputs 1-4, Hold Time: 30.0 min.
- Self Test:** Perform load impedance and other system diagnostic tests, Go to Self Test.
- Diagnostics:** Voltage (Volts) meter, Power (Watts) meter, Channel Temperature graph (Currently 0.00°C).

Amplifier Output Power Sharing

Amp Outputs 1 - 4 Available Watts: 165W / 615W

Output	Label	Power Limit
0	Main Hall (Amp Out 1)	320 W
1	Empore (Amp Out 2)	60 W
2	Choir (Amp Out 3)	60 W
3	Monitor (Amp Out 4)	10 W

Amp Outputs 5 - 8 Available Watts: 595W / 615W

Output	Label	Power Limit
4	Unassigned (Amp Out 5)	5 W
5	Unassigned (Amp Out 6)	5 W
6	Unassigned (Amp Out 7)	5 W
7	Unassigned (Amp Out 8)	5 W

Auto Standby
 Enable:
 Hold Time: 60.0 min | Threshold: -70.0dB

Deep Sleep
 Enable:
 Hold Time: 30.0 min

Self Test
 Perform load impedance and other system diagnostic tests
[Go to Self Test](#)

Summary
 Available Watts: 165W / 615W
 Available Watts: 595W / 615W
 DONE

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The screenshot shows the 'Messages' configuration page. The top navigation bar includes icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The 'Messages' tab is active, showing a list of messages on the left: Sunny Day Music, Emergencia, Test, Raining Day Music, and Message 1. The main area is for editing the 'Emergencia' message. It includes a 'Name' field with 'Emergencia', a play button, a duration of 0:00, and a '-0.0' value. Below this is an 'Audio File' dropdown menu set to 'select audio file'. A 'Gain Adjustment' slider is set to -20.0 dE. Other controls include 'Duck Amount (dB)' at -20.0, 'Pre-message Delay (s)' at 0.0, 'Repeat' checkbox (unchecked), 'Number of Repeats' at 1, 'Time Between Repeats (s)' at 0.0, and 'Post-message Delay (s)' at 0.0. A 'Duplicate' button is in the top right. At the bottom left, it says '5/20 Messages Used' and 'Total Message Duration 0.0'.

The screenshot shows the 'Audio Files' page. The top navigation bar is the same as the previous screenshot. The 'Audio Files' tab is active. At the top left, there is a green 'UPLOAD NEW FILE' button. Below it is a table with columns: Name, Size, Length, Date, and Delete. The table is currently empty. To the right of the table is a 'Local Preview' area with a speaker icon. At the bottom, a status bar shows 'No Audio Files Uploaded' and 'Local Storage — 1024 MB (100 user files MAX)'. A progress bar indicates '0.00 MB used' and '0.00 MB free', with '0 Files Uploaded' and '149 Files Remaining'.

The screenshot shows the 'Messages' section with the 'Priority' tab selected. On the left, a list of messages is shown: 1 - Sunny Day Music, 2 - Emergencia, 3 - Test, 4 - Raining Day Music, and 5 - Message 1. To the right of the list are four arrow buttons (up, up, down, down) for reordering. On the right side of the interface, there is a text box titled 'Setting message play priority.' explaining that message priority allows assigning importance levels to messages to resolve conflicts. It states that the highest priority message will play and that users should move the most important messages to the top of the list.

The screenshot shows the 'Scenes' configuration interface for 'Scene 1'. At the top, there are buttons for 'Duplicate' and 'RECALL SCENE'. Below this, a table-like structure shows the configuration for 'Scene 1':

Include	Zone	Select Source	Set Gain	Set Mute
<input checked="" type="checkbox"/>	z1 Zone 1	<input checked="" type="checkbox"/> SigGen	<input checked="" type="checkbox"/> -80	<input checked="" type="checkbox"/> -80 dB

At the bottom left, a progress indicator shows '1/20 Scenes Used'.

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The screenshot shows the 'Routines' configuration page in the proMedias control system. The interface is dark-themed with a blue top navigation bar. The 'Routines' menu is active, showing a list of routines on the left and a detailed configuration for 'Routine 1' on the right. The configuration includes sections for Room Combine (Groups), Scene, Message, GPO Preset, and Bell Schedule, each with an 'Include' toggle and a selection dropdown. A '2/20 Routines Used' indicator is visible at the bottom left of the routine list.

Routines

- + ADD ROUTINE
- Routine 1 X
- Routine 2 X

Routine 1 [Duplicate] [RECALL ROUTINE]

Room Combine (Groups) [Configure Zones >]

Include	Group Name	Combine	Included Zones
<input type="checkbox"/>	Main PA	<input type="checkbox"/>	Main Hall, Empore, Choir

Scene [Configure Scenes >]

Include	Scene Selection
<input type="checkbox"/>	Startup

Message [Configure Messages >]

Include	Message Selection
<input type="checkbox"/>	<none>

GPO Preset [Configure GPO Presets >]

Include	GPO Preset Selection
<input type="checkbox"/>	Control Out

Bell Schedule [Configure Bells >]

Include	Bell Schedule Selection
<input type="checkbox"/>	<none>

2/20 Routines Used

GPIO INPUT 0-12Vdc

Terminal Strip: C 1 2 3 4 5 6 F C 1 2 C

Diagram: 12Vdc input with ground connection.

Navigation: Inputs | High Priority Input | Outputs | Output Presets

Enable	No.	Name	Action	Trigger Method	Invert	Active
<input checked="" type="checkbox"/>	1	GPI 1	Message	EVAC	<input checked="" type="checkbox"/> Contact Closure <input type="checkbox"/> Voltage Trigger	<input type="checkbox"/>
<input checked="" type="checkbox"/>	2	GPI 2	Bell Schedule	<none>	<input checked="" type="checkbox"/> Contact Closure <input type="checkbox"/> Voltage Trigger	<input type="checkbox"/>
<input type="checkbox"/>	3	GPI 3				<input type="checkbox"/>
<input type="checkbox"/>	4	GPI 4				<input type="checkbox"/>
<input type="checkbox"/>	5	On Air				<input type="checkbox"/>
<input type="checkbox"/>	6	GPI 6				<input type="checkbox"/>

The screenshot shows the 'GPIO' configuration page for 'HIGH PRIORITY'. The top navigation bar includes Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The GPIO header shows a row of buttons: C, 1, 2, 3, 4, 5, 6, F, C, 1, 2, C. The 'F' button is selected, with a diagram showing a signal input to a pin.

Below the header, there are tabs for 'Inputs', 'High Priority Input', 'Outputs', and 'Output Presets'. The 'High Priority Input' tab is active, showing a configuration for 'Hi Priority GPI'. The 'Enable' toggle is turned on. The 'Action' dropdown menu is open, showing options: 'Set All Zones to Source', 'Mute All Zones', 'Set All Zones to Source', and 'Play Message in All Zones'. The 'Set All Zones to Source' option is selected. The 'Trigger Method' is set to 'Contact Closure' (checked) and 'Voltage Trigger' (unchecked). The 'Active' checkbox is checked. A volume slider is set to -20 dB.

On the left, there are 'Zones' and 'Groups' with volume sliders and current levels:

- Main Hall: -36 dB
- Empore: -61 dB
- Choir: -45 dB
- Monitor: -42 dB
- Loop: -80 dB
- Main PA: -20 dB

On the right, there are 'Wall Controller Alerts' with a checked 'Lock & Alert Wall Controllers' option. Below this is a 'LOCKED' status indicator and a warning message: 'When the High Priority GPI pin is triggered, all Accessories will flash red. The functionality of all controllers, including AZM LCD, will be disabled until trigger is removed.'

The screenshot shows the 'GPIO' configuration page for 'OUTPUT'. The top navigation bar is the same as the previous screenshot. The GPIO header shows a row of buttons: C, 1, 2, 3, 4, 5, 6, F, C, 1, 2, C. The '1' and '2' buttons are selected, with a diagram showing signal outputs to two pins.

Below the header, there are tabs for 'Inputs', 'High Priority Input', 'Outputs', and 'Output Presets'. The 'Outputs' tab is active, showing a table of output configurations:

No.	Name	Trigger by Faults	Active
1	Lichtsignal pauze	<input type="checkbox"/>	<input type="checkbox"/>
2	GPO 2	<input type="checkbox"/>	<input type="checkbox"/>

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GPIO OUTPUT 10mA Source and 200mA Sink at 24V Max

Inputs High Priority Input Outputs **Output Presets**

+ ADD PRESET

lichtsignaal pauze Duplicate RECALL PRESET

Enable	No.	Name	Action	Pulse Time	Active
<input checked="" type="checkbox"/>	1	Lichtsignaal pauze	Set Low	10.0 sec	<input type="checkbox"/>
<input type="checkbox"/>	2	GPO 2	Set High	0.3 sec	<input type="checkbox"/>

AZMP8 Front Panel

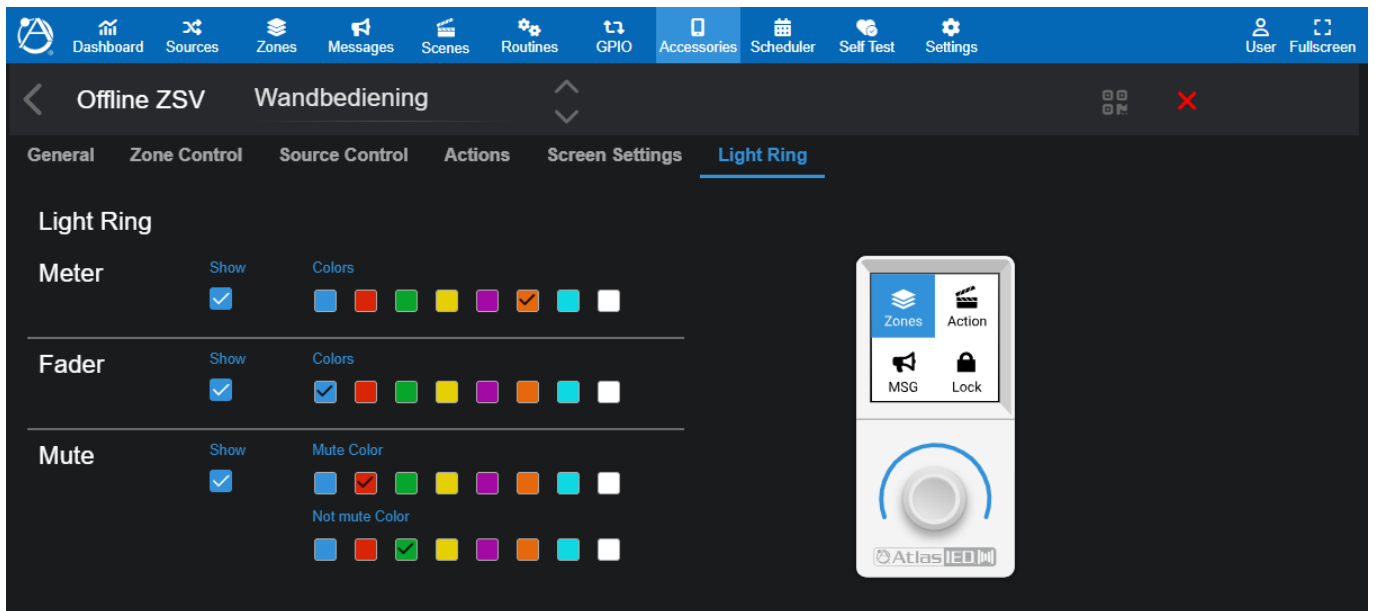
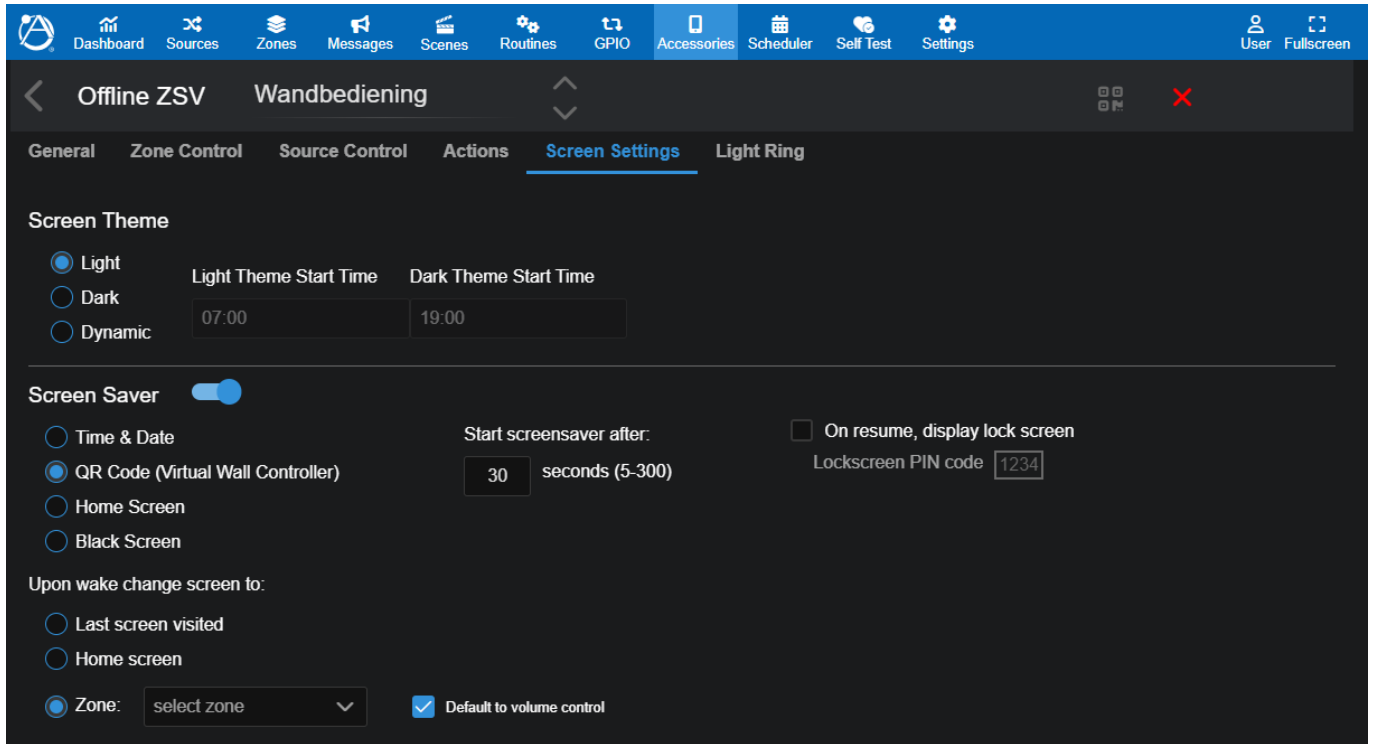
AZM Front Panel Display

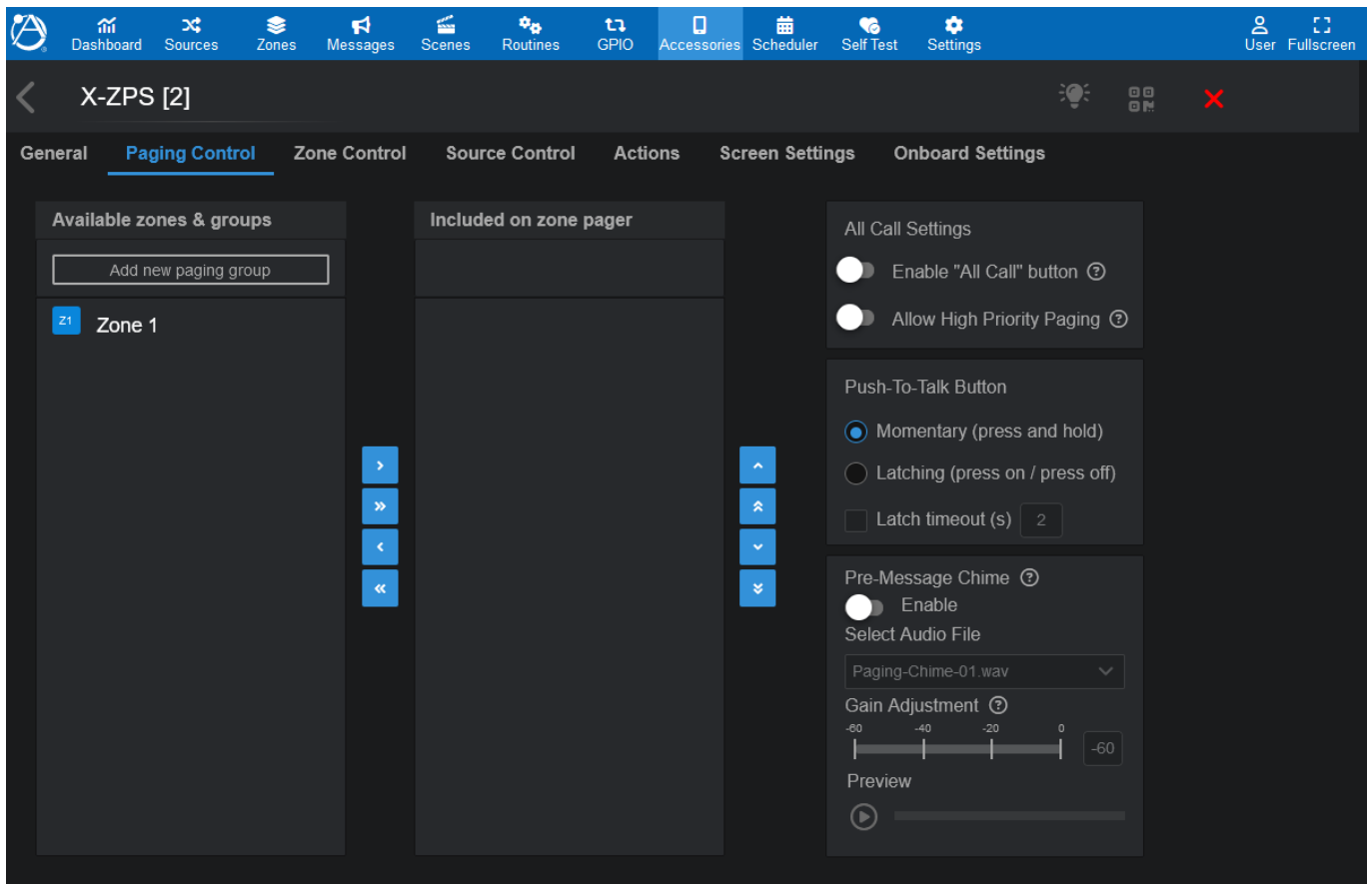
Monitor Speaker Mic/Line 1 -80 -60 -40 -20 0 OFF

Virtual & Offline Controllers Match Devices Print QR codes ADD NEW

- Virtual 1 Virtual Controller
- Virtual 3 Virtual Controller
- Virtual 4 Virtual Controller
- Virtual 5 Virtual Controller
- X-ZPS [2] X-ZPS

Port A 1 2 3 4 5 6 7 8 Audio Self Heal





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The screenshot shows the 'Zone Control' tab for 'X-ZPS [2]'. The top navigation bar includes Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The main content area features a '+ Add Zones or Groups' button and a list containing 'Zone 1'. A 'Select Sources' dialog is open, showing 'none' as the selected source. To the right, the 'Volume Range - Min/Max' section has a slider set between -60 and -29, with 'Allow mute' and 'Allow Tone Control' toggle switches.

The screenshot shows the 'Source Control' tab for 'X-ZPS [2]'. The top navigation bar is identical to the previous screenshot. The main content area features a '+ Add Sources or Mixes' button and a list containing 'Source 1'. A 'Volume Settings' dialog is open, showing a 'Volume Range - Min/Max' slider set between -80 and 0, and an 'Allow mute' toggle switch.

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The screenshot shows the 'X-ZPS [2]' interface with the 'Actions' tab selected. The top navigation bar includes Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The 'Actions' tab is active, displaying three main sections: 'Select Routines', 'Select Scenes', and 'Select GPO'. Each section has 'Deselect All' and 'Select All' buttons. Below these are 'Select Messages' and 'Schedule Items'. 'Select Messages' lists 'Message 1', 'Test', 'Emergencia', 'Raining Day Music', and 'Sunny Day Music' with checkboxes. 'Schedule Items' has a toggle switch for 'Edit Bells and view Schedule'.

The screenshot shows the 'X-ZPS [2]' interface with the 'Screen Settings' tab selected. The top navigation bar is the same as the previous screenshot. The 'Screen Settings' tab is active, displaying 'Screen Theme' (Light, Dark, Dynamic), 'Screen Saver' (toggle), and 'Screen Brightness' (slider and 'Automatically Adjust Brightness' checkbox). The 'Screen Theme' section shows 'Light' selected, with 'Light Theme Start Time' at 07:00 and 'Dark Theme Start Time' at 19:00. The 'Screen Brightness' section shows a slider from 0 to 100 and a checkbox for 'Automatically Adjust Brightness'.

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The screenshot shows the 'Onboard Settings' menu for 'X-ZPS [2]'. The menu includes options for Screen Brightness, GUI Theme, Microphone Gain, Momentary/latching PTT behavior, and Pre-page chime on/off. The interface is dark-themed with a blue header bar containing navigation icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The 'Onboard Settings' tab is selected.

The screenshot shows the 'Scheduler' interface with a calendar view for April 2024. The calendar displays events for 'Bell Ring Midday' and '10:15 Pauzeauze' on various days. The interface includes a top navigation bar with icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The 'Scheduler' tab is selected, and the calendar shows events for the month of April.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22 Bell Ring Midday 10:15 Pauzeauze	23 Bell Ring Midday 10:15 Pauzeauze	24 undefined Bell Ring Midday 10:15 Pauzeauze	25 Bell Ring Midday 10:15 Pauzeauze	26 Bell Ring Midday 10:15 Pauzeauze	27
28	29 Bell Ring Midday 10:15 Pauzeauze	30 Bell Ring Midday 10:15 Pauzeauze	1 Bell Ring Midday 10:15 Pauzeauze	2 Bell Ring Midday 10:15 Pauzeauze	3 Bell Ring Midday 10:15 Pauzeauze	4
5	6 Bell Ring Midday 10:15 Pauzeauze	7 Bell Ring Midday 10:15 Pauzeauze	8 Bell Ring Midday 10:15 Pauzeauze	9 Bell Ring Midday 10:15 Pauzeauze	10 Bell Ring Midday 10:15 Pauzeauze	11

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The screenshot shows the 'Scheduler' interface with the 'Bells' tab selected. The top navigation bar includes icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The main content area is titled 'Scheduler' and has sub-tabs for 'Calendar', 'Bells', and 'Audio Files'. The current time is 09:42:36. A green button '+ ADD BELL SCHEDULE' is visible. Below it, a bell schedule named 'Bell Ring Midday' is shown with a blue bell icon and a 'Duplicate Schedule' button. A table lists the bell schedule details:

Name	Time	Audio File	Zones	Duplicate
1 Ring	12:00	select audio file	Main Hall, Empore + 1 more	<input type="checkbox"/>

At the bottom, there is an 'Add new bell' button and a status indicator '1/10 Schedules Used'.

The screenshot shows the 'Scheduler' interface with the 'Audio Files' tab selected. The top navigation bar is the same as in the previous screenshot. The main content area is titled 'Scheduler' and has sub-tabs for 'Calendar', 'Bells', and 'Audio Files'. The current time is 09:43:10. A green button 'UPLOAD NEW FILE' is visible. Below it, a table lists the audio files:

Name ↑↓	Size ↑↓	Length ↑↓	Date ↑↓	Delete	Local Preview

Self Test

Run Tests Test Settings Notifications Results

Select Available Tests

- AC Line
- Power Supply
- Fan
- Temp
- Fault
- Relay

Channel Impedance Tests

- Amp 1 - Main Hall (M)
- Amp 2 - Empore (M)
- Amp 3 - Choir (M)
- Amp 4 - Monitor (M)
- Amp 5 - Unassigned
- Amp 6 - Unassigned
- Amp 7 - Unassigned
- Amp 8 - Unassigned

Ready to Test

RUN TESTS

The screenshot shows the 'Self Test' interface in the proMedias software. The top navigation bar includes icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test (active), and Settings. The 'Self Test' section has sub-tabs for Run Tests, Test Settings, Notifications, and Results. On the left, there are two lists of tests: 'Select Available Tests' and 'Channel Impedance Tests'. The 'Relay Test...' window is open, showing a progress bar at 76% and a 'CANCEL TESTS' button.

Self Test

Run Tests | Test Settings | Notifications | Results

Select Available Tests

- AC Line
- Power Supply
- Fan
- Temp
- Fault
- Relay

Channel Impedance Tests

- Amp 1 - Main Hall (M)
- Amp 2 - Empore (M)
- Amp 3 - Choir (M)
- Amp 4 - Monitor (M)
- Amp 5 - Unassigned
- Amp 6 - Unassigned
- Amp 7 - Unassigned
- Amp 8 - Unassigned

Relay Test...

76% Complete

CANCEL TESTS

Self Test | Run Tests | **Test Settings** | Notifications | Results

Select Available Tests

- ❌ AC Line
- ❌ Power Supply
- ❌ Fan
- ✅ Temp
- ✅ Fault
- ❌ Relay

Channel Impedance Tests

- Amp 1 - Main Hall (M)
- Amp 2 - Empore (M)
- Amp 3 - Choir (M)
- Amp 4 - Monitor (M)
- Amp 5 - Unassigned
- Amp 6 - Unassigned
- Amp 7 - Unassigned
- Amp 8 - Unassigned

Amp 1 - Main Hall (M) | Test Level: -40 | Last Saved Test Level: -40

Graph: Impedance (Ω) vs Frequency (Hz)

Frequency (Hz)	Measured (Ω)	Target (Ω)	Lower Limit (%)	Upper Limit (%)
Pink Noise	10	10	-20.0	22.0
20.6 Hz	10	10	-20.0	22.0
26.0 Hz	10	10	-20.0	22.0
30.0 Hz	10	10	-20.0	22.0
41.2 Hz	10	10	-20.0	22.0
51.9 Hz	10	10	-20.0	22.0
61.9 Hz	10	10	-20.0	22.0
82.4 Hz	10	10	-20.0	22.0

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The screenshot shows the 'Self Test' configuration page, specifically the 'Notifications' tab. The interface includes a top navigation bar with icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The 'Self Test' sub-menu has tabs for Run Tests, Test Settings, Notifications (active), and Results.

Testing Schedule (toggle is on):

- Start Date / Time: 09/13/2023 01:53 PM
- Recurrence Type: Weekly, Monthly
- Recur every: 1 week(s) on: Sun, Mon, Tue, Wed, Thu, Fri, Sat (all checked)

Results Reporting:

- Email Results: Send Results via Email
- Frequency: All Results, Only When Failures Occur
- Email Addresses: [Redacted] [Add New](#)
- * An internet connection is required to email test results

The screenshot shows the 'Self Test' configuration page, specifically the 'Results' tab. The interface includes the same top navigation bar as the previous screenshot. The 'Self Test' sub-menu has tabs for Run Tests, Test Settings, Notifications, and Results (active).

Select Test Results: 8/30/2023 03:46:22

8/30/2023 03:46:22 | [Summary](#) | [Details](#) | [String](#)

Component	Status	Component	Status
AC Line	✗	Amp 1 - Zone 1 (M)	✓
Power Supply	✗	Amp 2 - Unassigned	✓
Fan	✗	Amp 3 - Unassigned	✓
Temp	✓	Amp 4 - Unassigned	✓
Fault	⊘	Amp 5 - Unassigned	⊘
Relay	✗	Amp 6 - Unassigned	⊘
		Amp 7 - Unassigned	✓
		Amp 8 - Unassigned	✓

Dashboard
Sources
Zones
Messages
Scenes
Routines
GPIO
Accessories
Scheduler
Self Test
Settings
User
Fullscreen

Self Test
Run Tests
Test Settings
Notifications
Results

Select Test Results

4/22/2024 09:44:38

4/22/2024 09:44:38

4/22/2024 09:44:38
Summary
Details
String

Test Name	Results	Measured Data	Target	Summary
⚡ AC Line				
AC Line	Fail	0		AC line voltage is outside the user-configured Min/Max range
⚡ Power Supply				
3.3V	Fail	0		Measured voltage outside of specifications
+5V	Fail	0		Measured voltage outside of specifications
-5V	Fail	-11.0 V		Measured voltage outside of specifications
15V	Fail	0		Measured voltage outside of specifications
75V	Fail	0		Measured voltage outside of specifications
🌀 Fan				
Fan 1	Fail	0		Measured maximum RPM is outside of specifications
Fan 2	Fail	0		Measured maximum RPM is outside of specifications
🌡 Temp				
IO	Pass	-40.0 °C		Measured temperature within specifications
CPU	Pass	-40.0 °C		Measured temperature within specifications

The screenshot displays the 'Self Test' application interface. At the top, a navigation bar includes icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. Below this, the 'Self Test' section is active, with sub-tabs for Run Tests, Test Settings, Notifications, and Results. A dropdown menu on the left shows the selected test date and time: '4/22/2024 09:44:38'. The main area shows the test results for this date and time, with tabs for Summary, Details, and String. The 'String' tab is selected, displaying the following JSON data:

```
[[{"Date": "4/22/2024", "Time": "09:44:38"}, {"Errors": "Amp Module 1: Not Detected, Amp Module 2: Not Detected"}, {"AclineVoltage_Result": "Fail", "Read": 0.000000, "Min": 90.0, "Max": 265.0}, {"3v3_Result": "Fail", "Read": 0.000000, "Min": 3.135000, "Max": 3.465000}, {"Pos5v_Result": "Fail", "Read": 0.000000, "Min": 4.750000, "Max": 5.250000}, {"Neg5v_Result": "Fail", "Read": -11.049996, "Min": -5.250000, "Max": -16.750000}]]
```

Below the JSON data, there is a 'Clear History' button.

The Settings menu is displayed on a dark background with a blue header. The header contains navigation icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, Settings, User, and Fullscreen. The Settings menu itself is a grid of 12 items:

- Configurations**: Import/export system configurations
- Network**: Wifi, ethernet, access points
- Firmware**: Install firmware updates
- Device Settings**: Reset, priority ducking & device info
- Clock**: System time, NTP, daylight savings
- Event Log**: System events, faults
- User Accounts**: Create and adjust user accounts
- Project Settings**: Business names, PO numbers
- Theme**: Choose between dark or light theme
- Third Party Control**: Information for formatting third party control strings
- System Diagrams**: View and print Connection and DSP Diagrams
- Help**: Videos, links to online information, etc.

The Configurations menu is displayed on a dark background with a blue header. The header contains navigation icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, Settings, User, and Fullscreen. The Configurations menu is a grid of 3 items:

- Import**: Import settings from another AZM device
 - ✓ Sources and Mixes
 - ✓ Zones and Groups
 - ✓ DSP settings
 - ✓ Scenes
 - ✓ Routines
 - ✓ Messages
 - ✓ Event Scheduler
 - ✓ Bell Schedule
 - ✓ GPIO
 - ✓ Sound Masking
 - ✓ System Clock
 - ✓ Accessories
 - ✓ User Accounts
 - ✓ ANC Auto Mode Curves
 - Network Settings
 - Error Log
 - Audio Files
- Export Distribution Copy**: Distribute settings to other AZM devices
 - ✓ Sources and Mixes
 - ✓ Zones and Groups
 - ✓ DSP settings
 - ✓ Scenes
 - ✓ Routines
 - ✓ Messages
 - ✓ Event Scheduler
 - ✓ Bell Schedule
 - ✓ GPIO
 - ✓ Sound Masking
 - ✓ System Clock
 - Accessories
 - User Accounts
 - ANC Auto Mode Curves
 - Network Settings
 - Error Log
 - Audio Files
- Export Backup Copy**: Create a backup of these AZM settings
 - ✓ Sources and Mixes
 - ✓ Zones and Groups
 - ✓ DSP settings
 - ✓ Scenes
 - ✓ Routines
 - ✓ Messages
 - ✓ Event Scheduler
 - ✓ Bell Schedule
 - ✓ GPIO
 - ✓ Sound Masking
 - ✓ System Clock
 - ✓ Accessories
 - ✓ User Accounts
 - ✓ ANC Auto Mode Curves
 - Network Settings
 - Error Log
 - Audio Files

The screenshot shows the 'Network' settings page. At the top, there is a navigation bar with icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, and Settings. The 'Network' page is divided into two main sections: 'Wired Network Settings' and 'Wireless Network Settings'.
Wired Network Settings: Includes fields for IP Address, Addressing Mode (set to 'Static'), Static IP Address (192.168.0.10), Subnet Mask (255.255.255.0), and Default Gateway (0.0.0.0). An 'UPDATE' button is at the bottom.
Wireless Network Settings: Includes radio buttons for 'Off', 'WiFi', and 'Access Point' (selected). It also has fields for IP Address, Network Name (AtlasIED_AZM), Password, and Confirm Password. A note states 'AP password must be at least 8 characters'. An 'UPDATE' button is at the bottom.

The screenshot shows the 'Firmware' page. The navigation bar is the same as in the previous screenshot. The page displays the current firmware version as 'N/A' and the last firmware update as 'N/A'. There is a blue button labeled 'LOAD NEW FIRMWARE' with the text 'Upload and install new firmware on this AZM' next to it. Below this, there is a link 'Download latest firmware'.

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The screenshot shows the 'Device Settings' page with the 'General' tab selected. The top navigation bar includes icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, Settings, User, and Fullscreen. The main content area displays 'AZM Up Time' at 780.8 hours, 'CPU Usage' at 1%, and 'Network Speed' at 19.0Mbits/sec with a 'Retest' button. Below this is the 'Start Up Behavior' section with a toggle switch and dropdown menus for 'Scenes' and 'Morning'. A 'Restrictions and Limitations' box on the right lists the following maximums: 16 accessories per AZM, 1 audio accessory per port, 8 accessories per port, 32 virtual controllers per AZM, 100 message audio-files per AZM, 100 messages per AZM, 20 routines per AZM, 20 scenes per AZM, 100 events per AZM, 10 bell schedules per AZM, and 50 bells per bell schedule.

The screenshot shows the 'Device Settings' page with the 'Paging & Ducking' tab selected. The top navigation bar is identical to the previous screenshot. The main content area is titled 'Universal Priority Router Dynamics' and features several adjustable parameters: 'RMS' with 'Duck Amount (dB)' set to -60, 'Duck Attack (ms)' set to 100, 'Duck Hold (ms)' set to 5000, and 'Duck Release (ms)' set to 1000. Below these are 'ZPS Paging' parameters: 'Page Duck Amt (dB)' set to -3 and 'All Call Duck Amt (dB)' set to -21. Each parameter is shown in a box with left and right arrow navigation controls.

1								Amp Module				2			
1	2	3	4	Amp Channel				5	6	7	8				
Main Hall	Empore	Choir	Monitor	Zone Name				--	--	--	--				
Mono	Mono	Mono	Mono	Channel Type				--	--	--	--				
Ready	Ready	Ready	Ready	Status				Ready	Ready	Ready	Ready				
0.00°	0.00°	0.00°	0.00°	Temperature (°C)				0.00°	0.00°	0.00°	0.00°				
0.000	0.000	0.000	0.000	Voltage (RMS)				0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	Current (RMS)				0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	Power (Watts)				0.000	0.000	0.000	0.000				
10.0	10.0	10.0	10.0	Impedance (Ohms)				10.0	10.0	10.0	10.0				
-120.00	-120.00	-120.00	-120.00	RMS Limiter Reduction (dB)				-120.00	-120.00	-120.00	-120.00				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Standby Enable ⓘ				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
60.0 min	60.0 min	60.0 min	60.0 min	Standby Hold Time (min)				0.1 min	0.1 min	0.1 min	0.1 min				
-70.0dB	-70.0dB	-70.0dB	-70.0dB	Standby Threshold (dB)				-70.0dB	-70.0dB	-70.0dB	-70.0dB				
<input checked="" type="checkbox"/>				Deep Sleep Enable ⓘ				<input checked="" type="checkbox"/>							
30.0 min				Deep Sleep Hold Time				0.1 min							
1... ▾	1... ▾	4Ω ▾	1... ▾	Channel Mode				1... ▾	8Ω ▾	8Ω ▾	7... ▾				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SHS Enable ⓘ				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
2... ▾	2... ▾	1... ▾	2... ▾	Sensitivity				2... ▾	2... ▾	2... ▾	2... ▾				
320	60	60	10	Power Share (Watts) ⓘ Edit				5	5	5	5				
450/615				Total Watts Used				20/615							

Navigation: Dashboard Sources Zones Messages Scenes Routines GPIO Accessories Scheduler Self Test Settings User Fullscreen

Device Settings

General Paging & Ducking Amplifier **Language** Reset

Select Language ⓘ
English ▾

Alternate ASCII Display Names ⓘ

Zones	Alternate Name
Main Hall	Main Hall
Empore	Empore
Choir	Choir
Monitor	Monitor
Loop	Loop

Groups	Alternate Name
Main PA	Main PA

Sources	Alternate Name
Mikro Altar	Mikro Altar
Mikro Ambo	Mikro Ambo
Bluetooth	Bluetooth
Line In	Line In

Mixes	Alternate Name
Summe	Summe

Messages	Alternate Name
EVAC	EVAC

Scenes	Alternate Name
Morning	Morning
Afternoon	Afternoon

Dashboard Sources Zones Messages Scenes Routines GPIO Accessories Scheduler Self Test Settings User Fullscreen

Device Settings General Paging & Ducking Amplifier Language Reset

Device Reset Options

REBOOT Repeat Daily 00:00

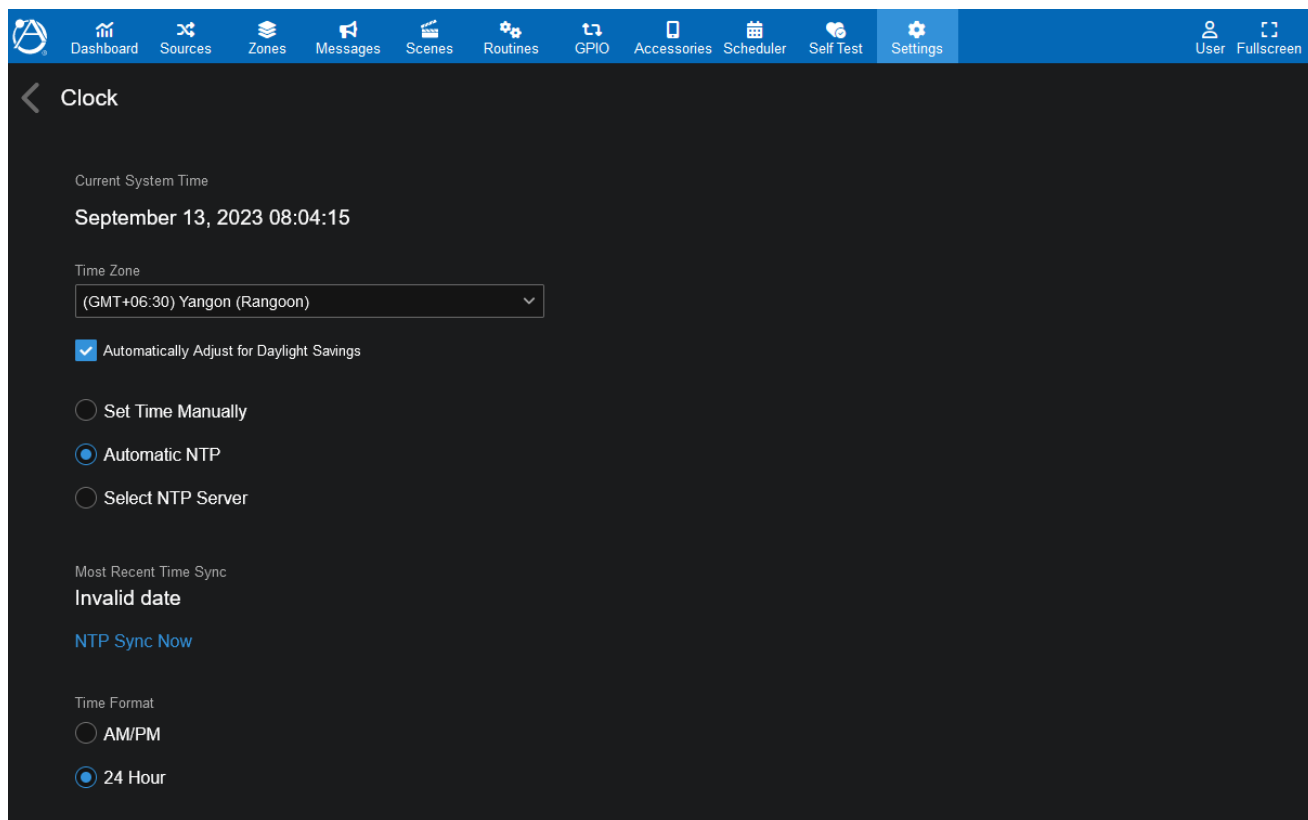
RESET USERS

FACTORY RESET

Accessory Reset Options

RESET Repeat Daily 00:00

POWER CYCLE



Dashboard Sources Zones Messages Scenes Routines GPIO Accessories Scheduler Self Test Settings User Fullscreen

Event Log

Faults

Type ↑↓ Detail ↑↓

Total Entries: 0

System Log Export Log Clear all entries

Time/Date ↑↓	Type ↑↓	Detail ↑↓
2024-Apr-08 03:14:48	Notification	Quiet Event triggered in zone "Car Park"
2024-Apr-07 09:00:00	Notification	Event "Weekend Day" occurred at 9:00.
2024-Apr-06 09:00:00	Notification	Event "Weekend Day" occurred at 9:00.
2024-Apr-03 06:00:00	Notification	Event "Belschema" occurred at 6:00.
2024-Apr-02 06:00:00	Notification	Event "Belschema" occurred at 6:00.
2024-Apr-01 06:00:00	Notification	Event "Belschema" occurred at 6:00.
2024-Mar-29 06:00:00	Notification	Event "Belschema" occurred at 6:00.
2024-Mar-28 08:28:31	Notification	Self Test Result: Fail

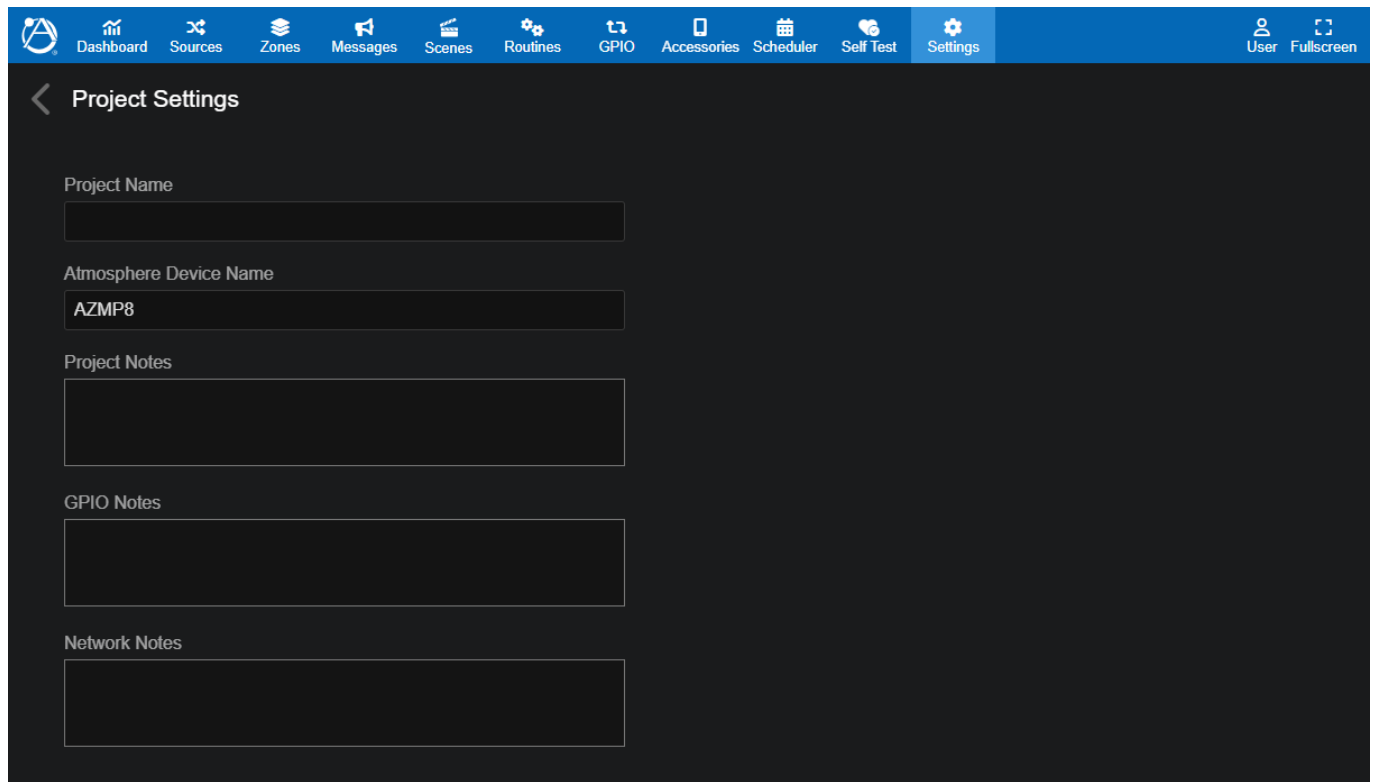
Dashboard Sources Zones Messages Scenes Routines GPIO Accessories Scheduler Self Test Settings User Fullscreen

User Accounts

Current User: admin

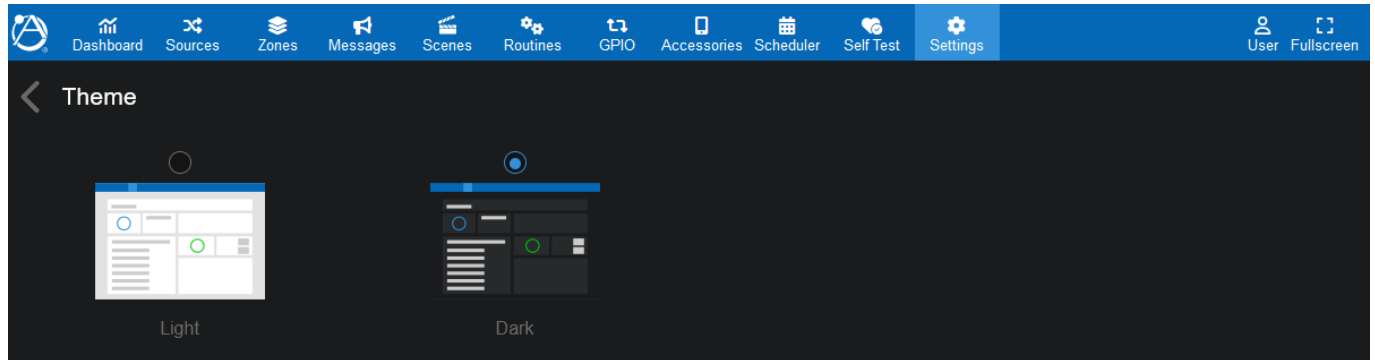
Registered Users Add User Modify User

User Name ↑↓	Name ↑↓	Role ↑↓	Email ↑↓	Delete
admin	admin	installer	[REDACTED]	
Bob		planner	[REDACTED]	X



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The screenshot shows the 'Third Party Control' settings page in the 'General' tab. At the top, there is a navigation bar with icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, Settings, User, and Fullscreen. Below the navigation bar, the page title is 'Third Party Control'. There are three tabs: 'General' (selected), 'Message Builder', and 'Message Table'. A toggle switch for 'Enable' is turned on. Below it, there is a radio button for 'Only allow messages from the following IP addresses' which is currently off. A grid of 10 rows and 4 columns of input fields is shown, with the first row containing the values 192, 168, 1, and 13, and the rest containing 0. To the right of the grid are 10 empty text input fields.

The screenshot shows the 'Third Party Control' settings page in the 'Message Builder' tab. The navigation bar is the same as in the previous screenshot. The page title is 'Third Party Control'. There are three tabs: 'General', 'Message Builder' (selected), and 'Message Table'. Under the heading 'Message Format', there is a text input field containing the JSON string: `{"jsonrpc":"2.0", "method":"", "params":{"param":"", "val":3.14}}`. Below this, there are four steps: Step 1 (Method) with a dropdown menu showing 'set -- set param value'; Step 2 (Param Group) with a dropdown menu showing 'Sources'; Step 3 (Format) with an empty dropdown menu; and Step 4 (Value) with a text input field containing '3.14'. Below Step 2, there are two more dropdown menus for 'Parameter Type' and 'Parameter'.

User Fullscreen
Dashboard Sources Zones Messages Scenes Routines GPIO Accessories Scheduler Self Test Settings

Third Party Control

General
Message Builder
Message Table

Message format for set, bump and update

```
{jsonrpc:2.0,method:"set",params:{"param":"ZoneGain_3","val":-38.4}}\n
```

Message container
Method
Parameter
Format
Amount

Message format for subscribe and unsubscribe

```
{jsonrpc:2.0,method:"sub",params:{"param":"ZoneGain_3","fmt":"val"}}\n
```

Message container
Method
Parameter
Format

Methods

set = set
 bmp = bump
 update = update (from subscribed parameters)
 getResp = get response

Formats

pct = percent
 val = value
 str = string (used for "Name" parameters with "update" method)

Methods

sub = subscribe
 unsub = unsubscribe
 get = get

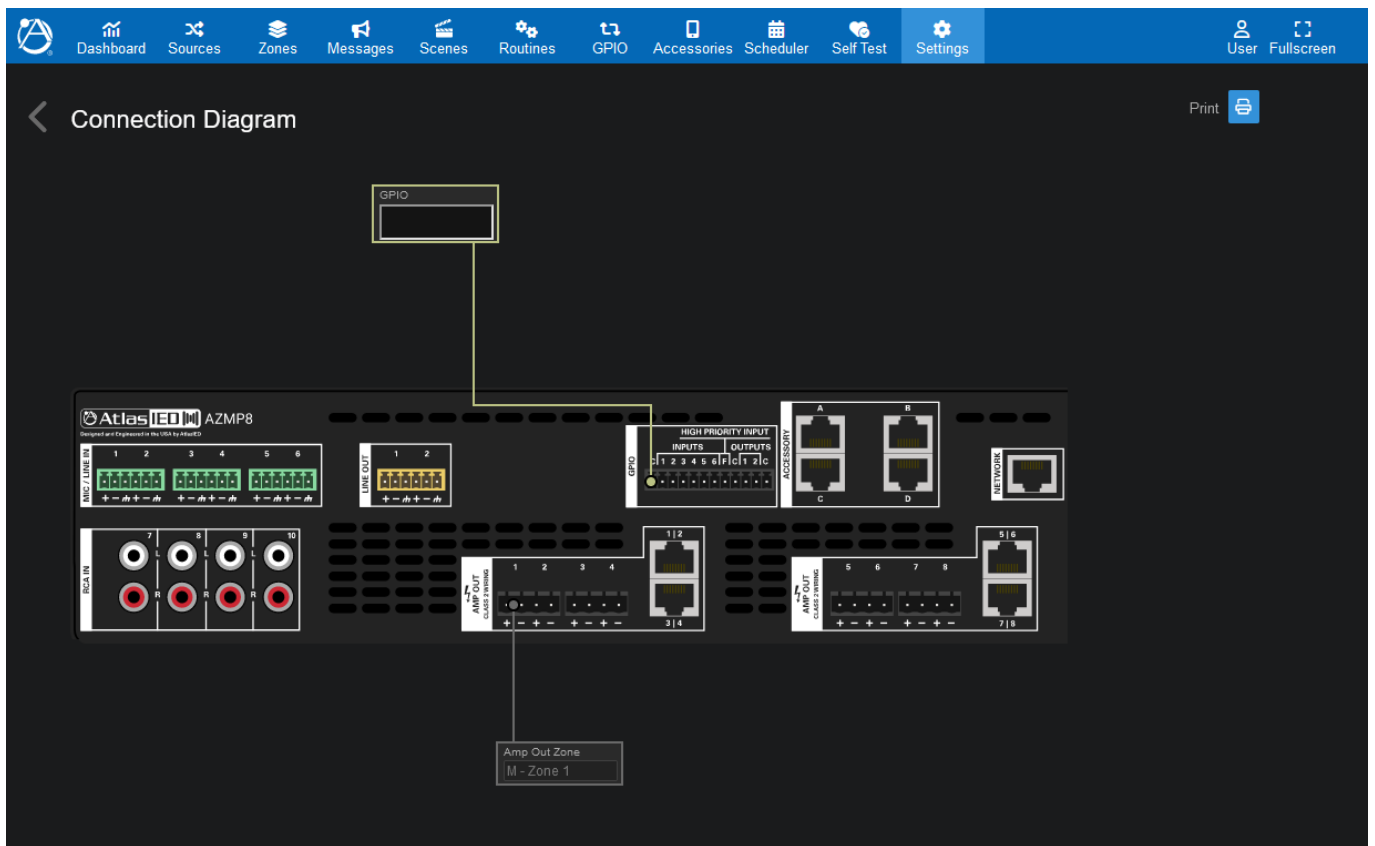
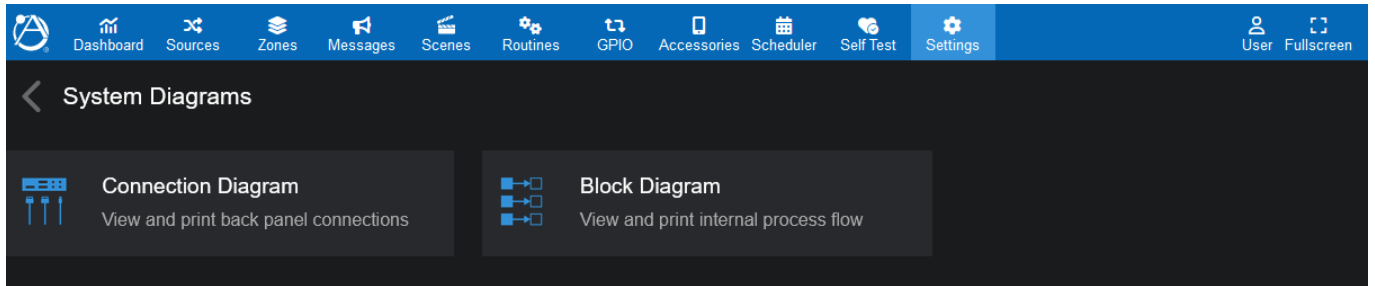
Formats

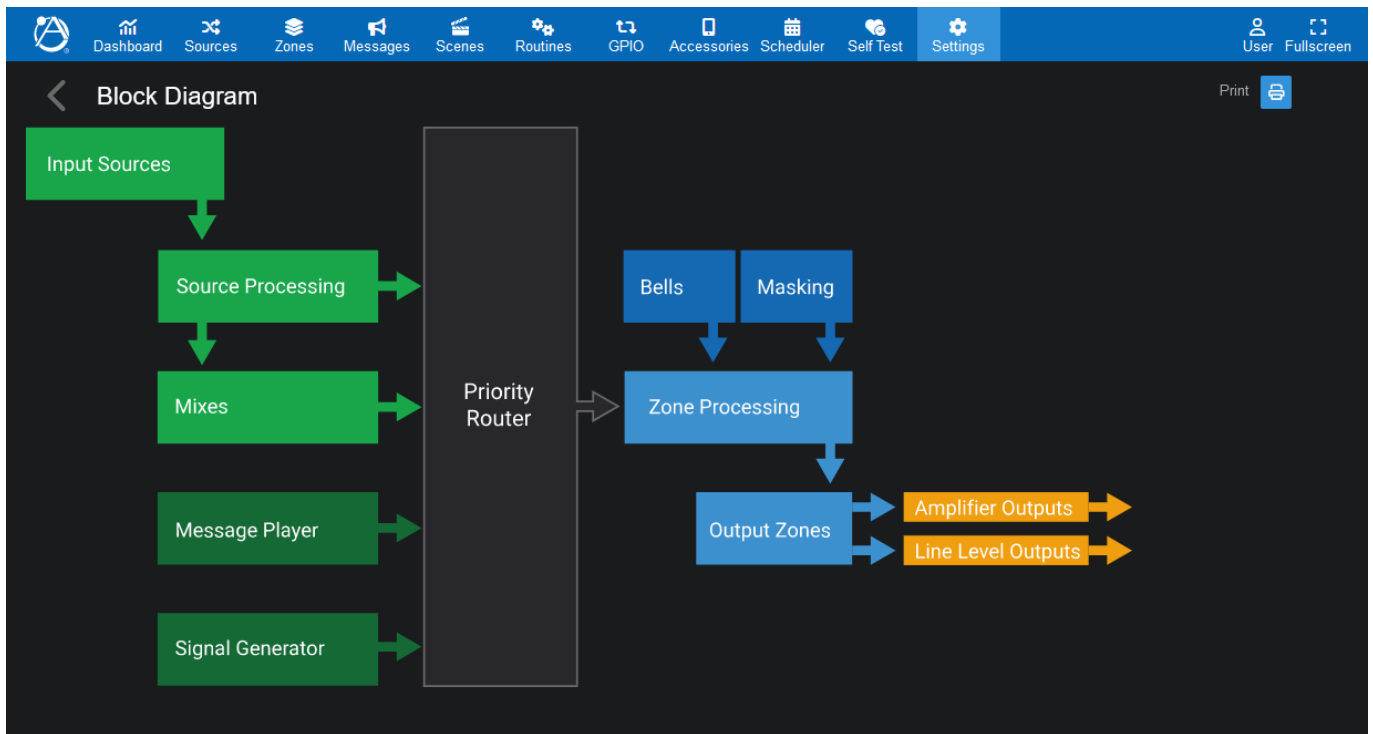
pct = percent
 val = value
 str = string (used for "Name" parameters with "update" method)

Names	Gain	Meter	Mute	Name	Source	Combine	Misc
Zones							
Zone 1	ZoneGain_0	ZoneMeter_0	ZoneMute_0	ZoneName_0	ZoneSource_0	--	--
Messages							
Message 1	--	--	--	MessageName_0	--	--	PlayMessage_0
Test	--	--	--	MessageName_1	--	--	PlayMessage_1
Emergencia	--	--	--	MessageName_3	--	--	PlayMessage_3
Raining Day Music	--	--	--	MessageName_4	--	--	PlayMessage_4
Sunny Day Music	--	--	--	MessageName_5	--	--	PlayMessage_5
GPO Presets							
lichtsignaal pauze	--	--	--	GPOPresetName_0	--	--	RecallGPOPreset_0
Preset 2	--	--	--	GPOPresetName_1	--	--	RecallGPOPreset_1
Bell Schedule							
--	--	--	--	--	--	--	TodayBellSchedule
Bells 1	--	--	--	BellScheduleName_0	--	--	--
GPO Status							
--	--	--	--	--	--	--	GPOState_0
--	--	--	--	--	--	--	GPOState_1
Loud Noise Status							
--	--	--	--	--	--	--	LoudNoise_7

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The screenshot shows the 'Help' menu in the Atmosphere software. At the top is a navigation bar with icons for Dashboard, Sources, Zones, Messages, Scenes, Routines, GPIO, Accessories, Scheduler, Self Test, Settings, User, and Fullscreen. Below the navigation bar is a 'Help' section with a back arrow. Under 'Links', there are two links: 'Learn about Atmosphere on AtlasIED.com' and 'Contact Technical Support'. Under 'Videos', there is a grid of 13 video thumbnails, each with the 'ATMOSPHERE By Atlas IED' logo and a play button. The video titles and durations are: Sources (02:58), Zones (03:43), Mixes (02:31), Groups (06:06), Scenes (01:46), Messages (03:37), Events (01:46), C-V Accessory (04:13), C-ZSV Accessory (08:47), Firmware Update (03:03), Ambient Noise Compensation Explained (04:01), and a 'Coming Soon 1' video featuring a dog and audio equipment.