

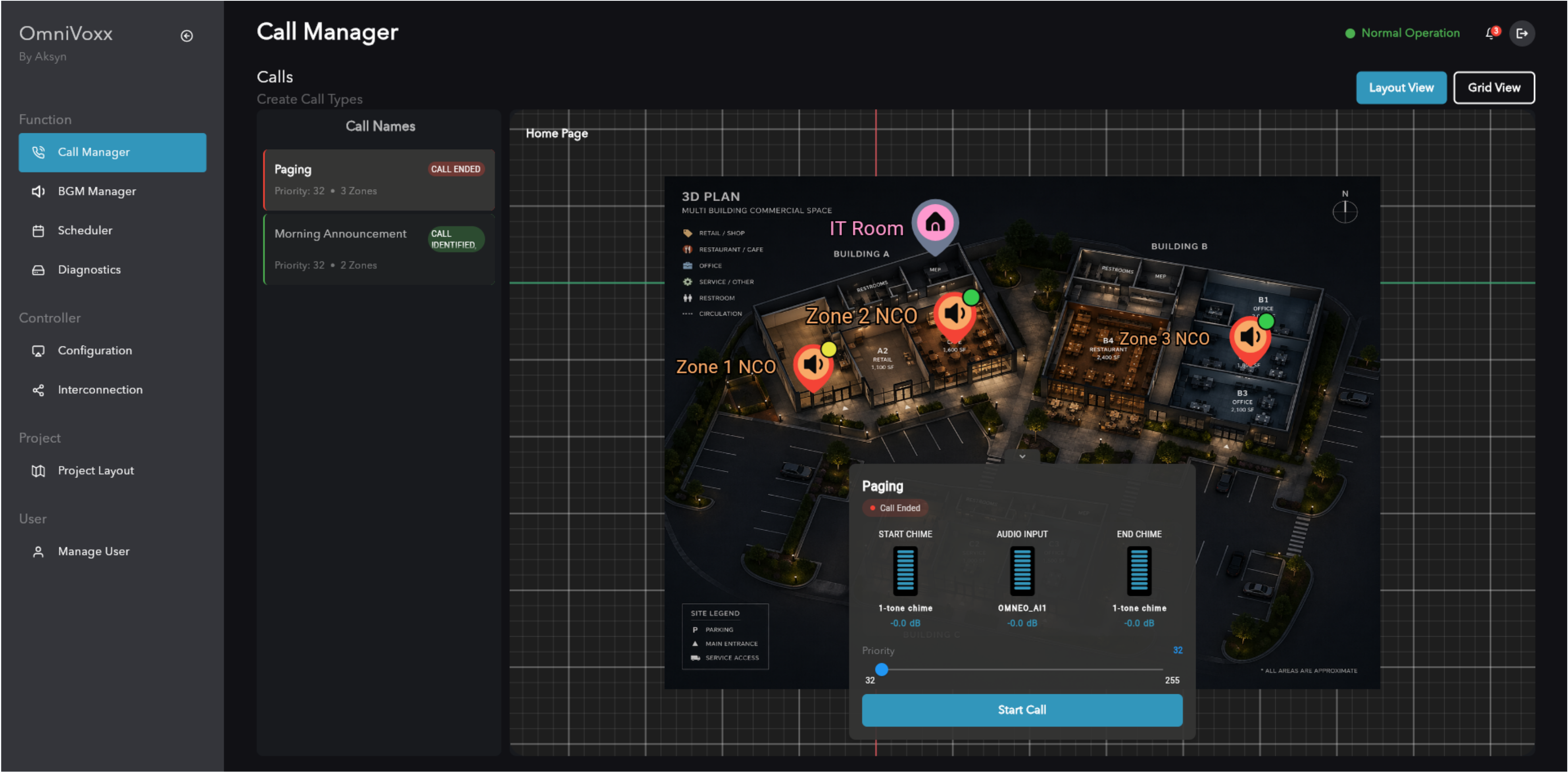
OmniVoxx Platform · PAVA Integration & Control

INTRODUCING

OmniVoxx

UNIFIED VOICE. TOTAL CONTROL.

OmniVoxx integrates Keenfinity's PAVA product line with your existing infrastructure — enabling unified control, real-time monitoring, and intelligent alert routing across every zone and device.



OmniVoxx · Call Management View

What OmniVoxx Does

A unified platform for voice, control, and integration

0 1

Call Management

Route and manage voice announcements across all zones with precision. Define call types, priorities, and originator rules — with full spatial awareness via the 3D layout view.

ZONE ROUTING

CALL PRIORITY

3D LAYOUT

0 2

Scheduler

Automate recurring announcements and music transitions on a flexible time-based schedule. Daily, weekly, and event-triggered sequences. Call To Prayer Scheduler available.

TIME-BASED

RECURRING

EVENT TRIGGERS

0 3

BGM Management

Control background music channels independently across zones. Set volume levels per area and per BGM channel.

ZONE VOLUME

CHANNEL VOLUME

Zone Routing

0 4

Diagnostics

Monitor device health and system-wide performance in real time. Identify faults, view event logs, and receive alerts. Integrable with BMS via MQTT and BACnet.

LIVE MONITORING

FAULT DETECTION

EVENT LOG

3RD PARTY

0 5

Multi Subsystem Control

Manage multiple independent PAVA subsystems from a single unified interface. Synchronise zones and maintain centralised oversight of complex, multi-site installations.

UNIFIED CONTROL

MULTI-SITE

SYNC

Praesideo

PAVIRO

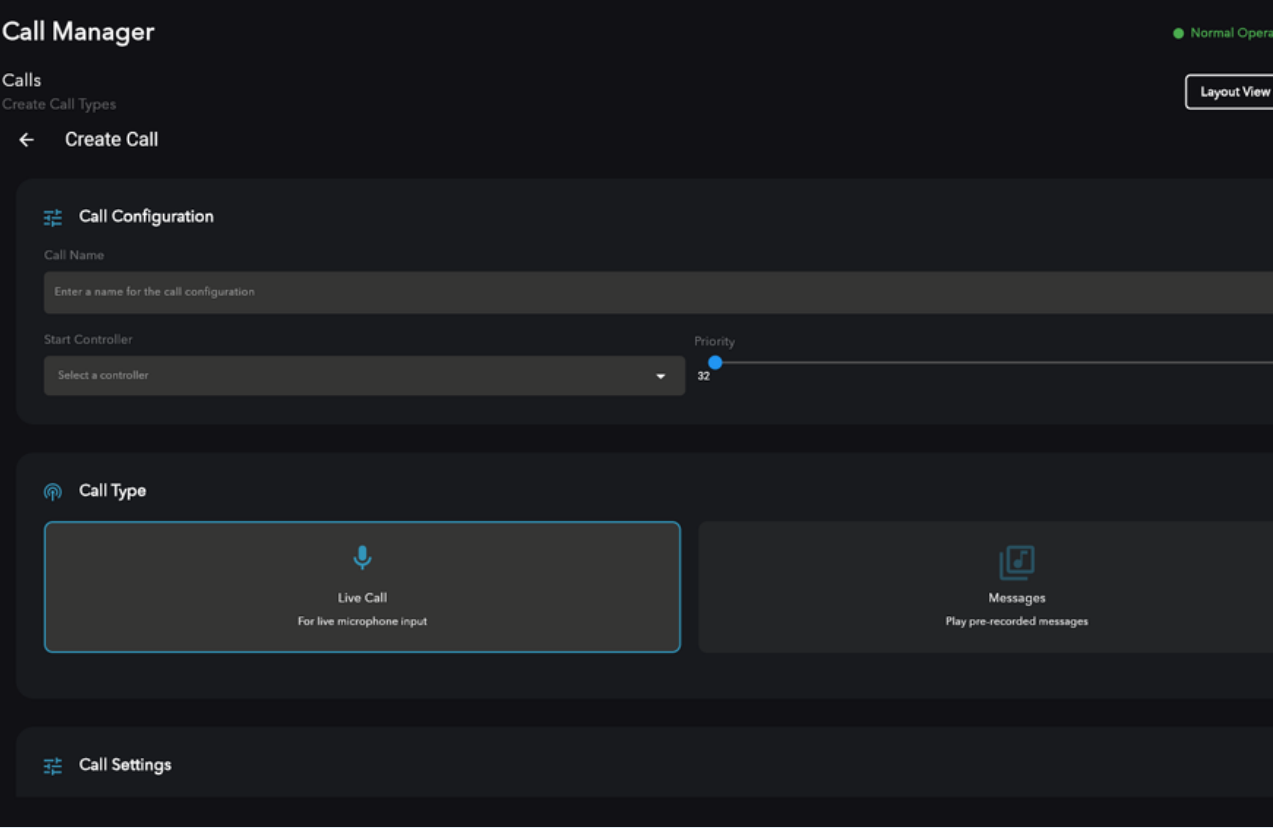


Extending the Power of the Praesensa Call Station

OmniVoxx works alongside the Praesensa call station, giving operators a software layer that dramatically expands what the hardware can do. Create and manage an unlimited number of zones, zone groups and call presets — accessible from any authorised device, anywhere on the network.

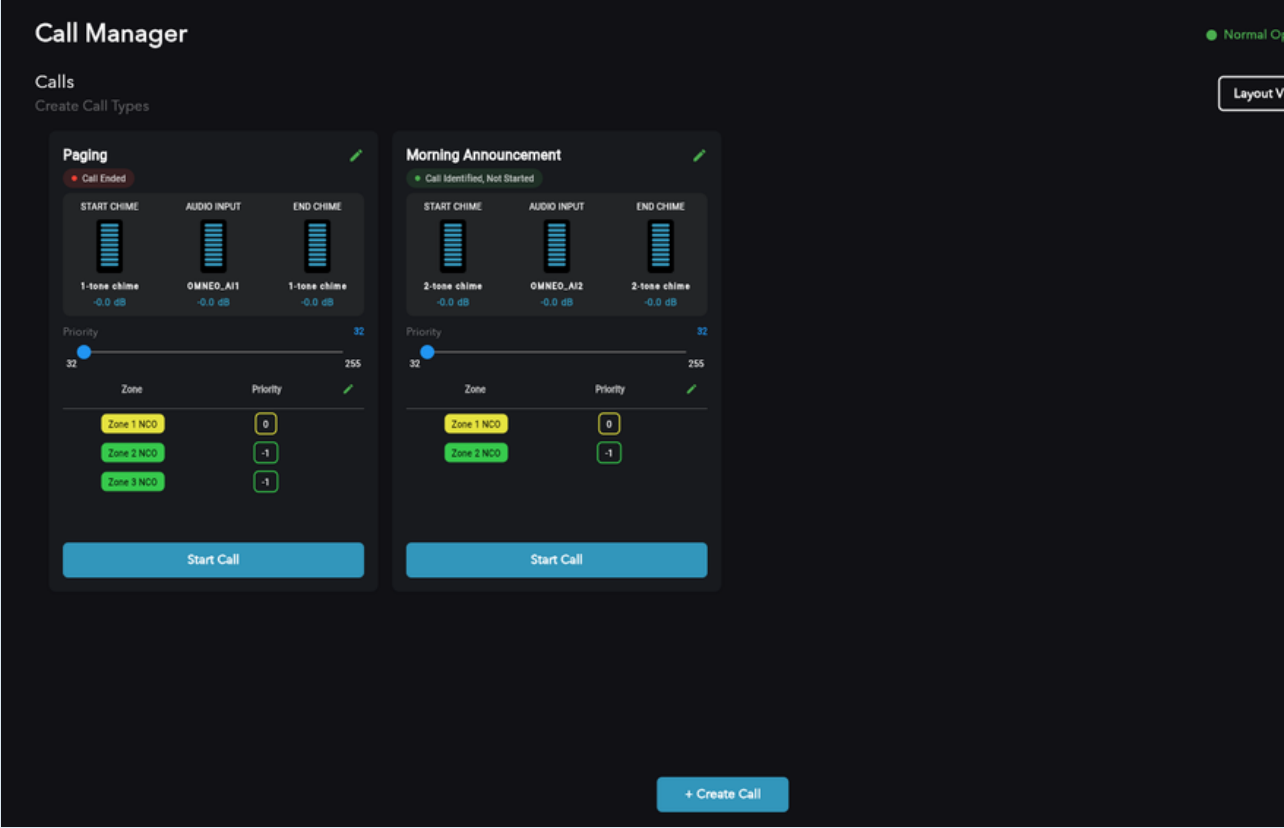
- LIVE CALLS
- PRE-RECORDED MESSAGES
- ZONE GROUPS
- VOLUME CONTROL
- 3D LAYOUT VIEW
- CALL PRESETS
- REAL-TIME STATUS

OmniVoxx Call Manager – Interface Views



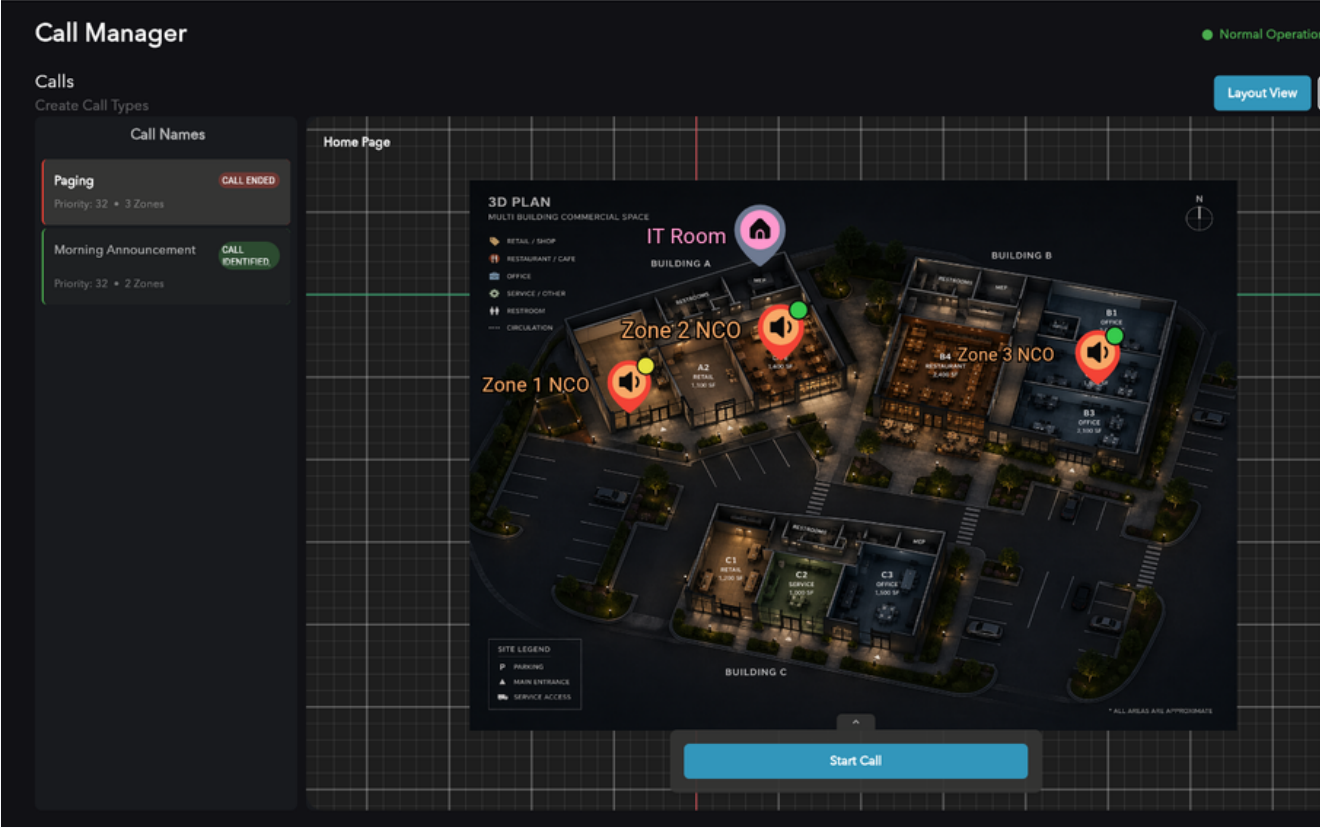
Create Call Presets

Configure call name, type, audio input, volume, chime settings and target zones — all in one screen.



Grid View

All call and message presets displayed as cards. One tap to review zones, status, and start the call.



Layout View

Visualise your site in 3D. Select zones spatially and initiate calls directly from the floor plan.

Zone Status Indicators

 Free Zone is available	 BGM Background music active	 Business Call Live call in progress	 Emergency Call Emergency broadcast active	 Faulty Zone Zone fault detected
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Key Capabilities

- Zone Groups**
Define and manage unlimited nested zone groups, which represent building layout.
- Per-call Volume Control**
Set independent volume levels for each call or message before broadcast.
- Live Call & Message Types**
Support for both live microphone input and pre-recorded message playback within a single interface.

- 100+ Call Presets**
Pre-configure live calls and pre-recorded message broadcasts for instant, one-touch activation.
- Live Call Status**
Active call cards show real-time zone participation so operators know exactly what is live.
- Priority-based Routing**
Assign call priorities (32–255) to ensure critical announcements always take precedence.

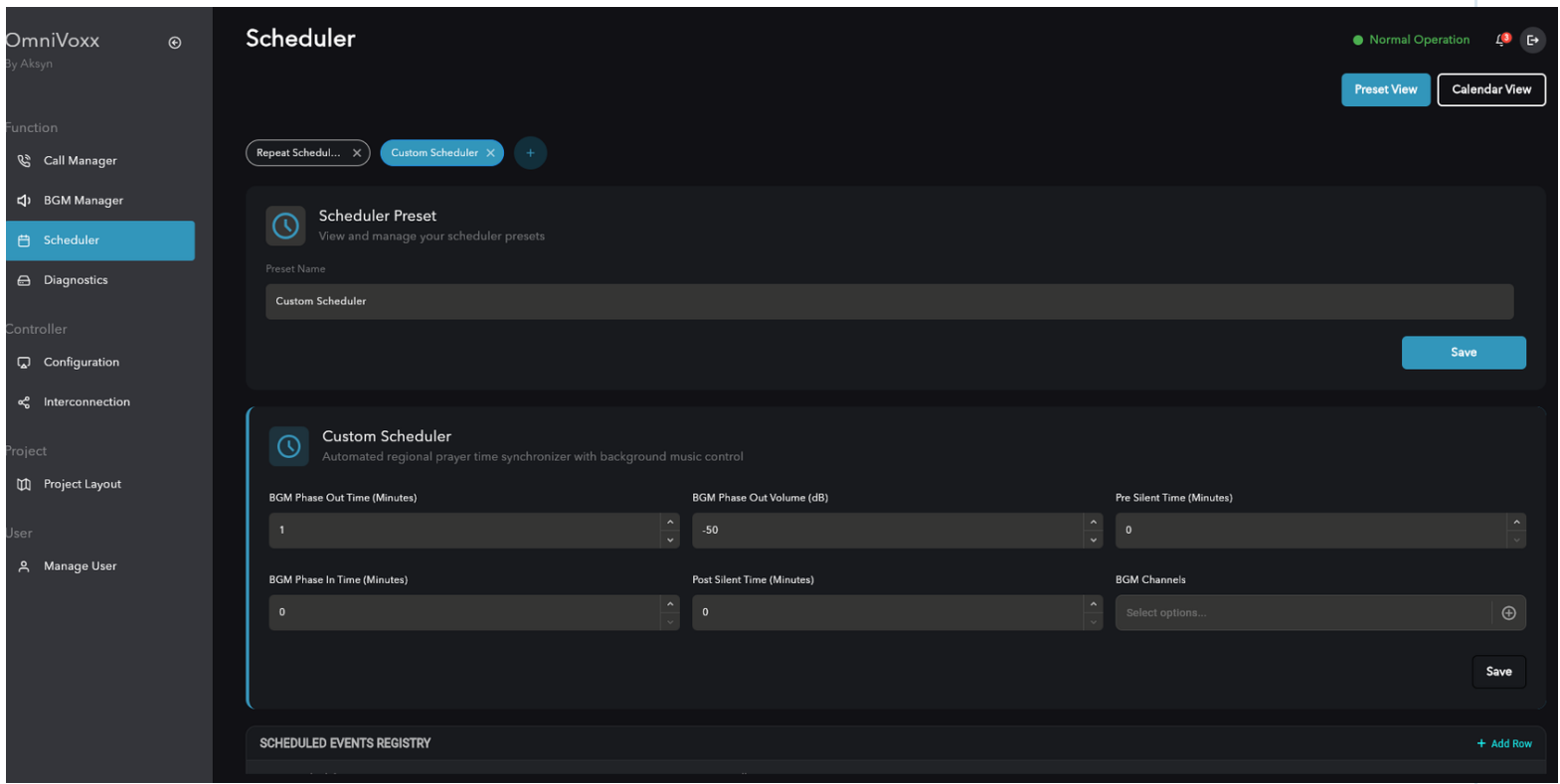
Scheduler

OmniVoxx includes a powerful scheduling engine with three distinct preset types — a **Custom Scheduler** for precision-timed broadcasts with automated BGM management, **Repeat Scheduler** for recurring messages on defined days and times, and a **Automated Call To Prayer** fetches islamic prayer times based on Latitude and Longitude linked with automated BGM Management. All scheduled events display live status so operators always know what is running.



Custom Scheduler

Custom Scheduler with BGM Control

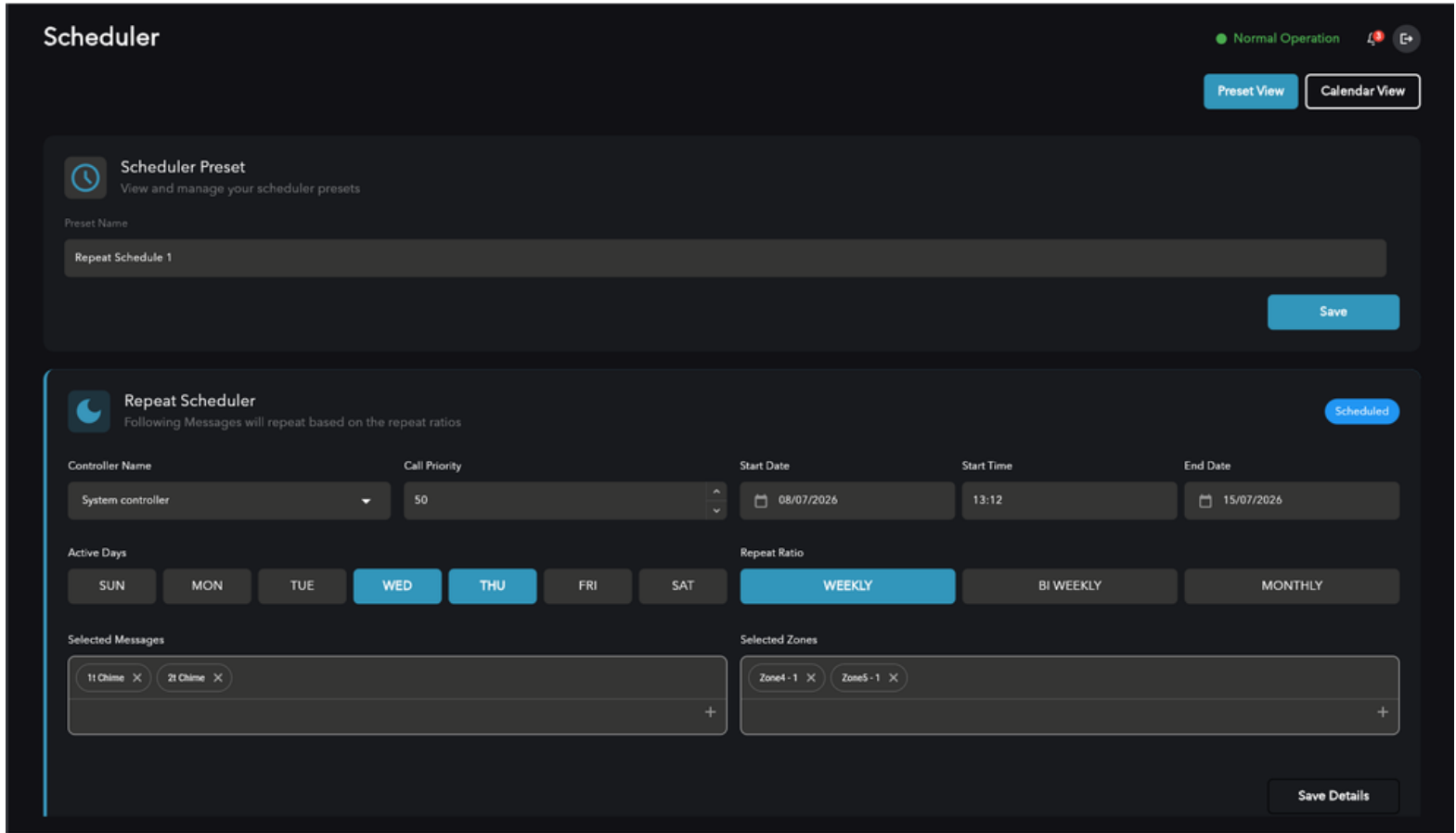


- **BGM Phase Out:** Gradually reduces BGM volume across selected channels before the message begins.
- **Pre-Silent Time:** Optional silence period between BGM fadeout and message playback.
- **Message Playback:** Plays the scheduled audio message at full volume.
- **Post-Silent Time:** Brief silence after message before BGM is restored.
- **BGM Phase In:** Smoothly ramps BGM back up to normal operating level.
- **Call To Prayer (Offline):** Custom scheduler can be used to configure prayer calls manually without internet.



Repeat Scheduler

Recurring message broadcast engine

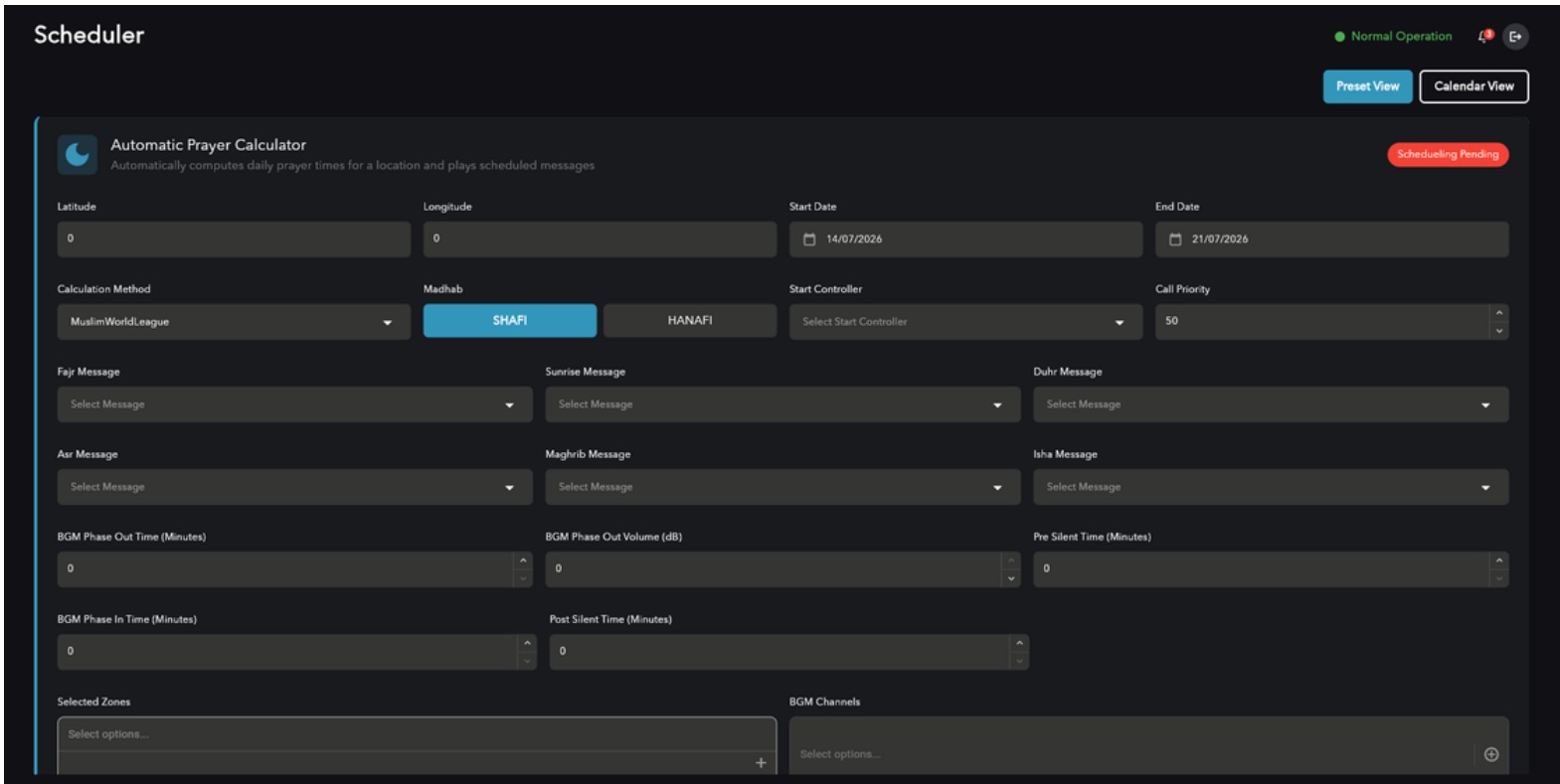


- **Active Days:** Select specific days of the week for the schedule to run (e.g. Mon, Thu).
- **Repeat Ratio:** Set frequency — Weekly, Bi-Weekly, or Monthly.
- **Start & End Dates:** Define a time window across which the schedule is active.
- **Zone & Message Selection:** Assign target zones and pre-recorded messages per schedule.
- **Live Status:** Each event shows its current status — Scheduled, Running, or Finished.



Call To Prayer Scheduler

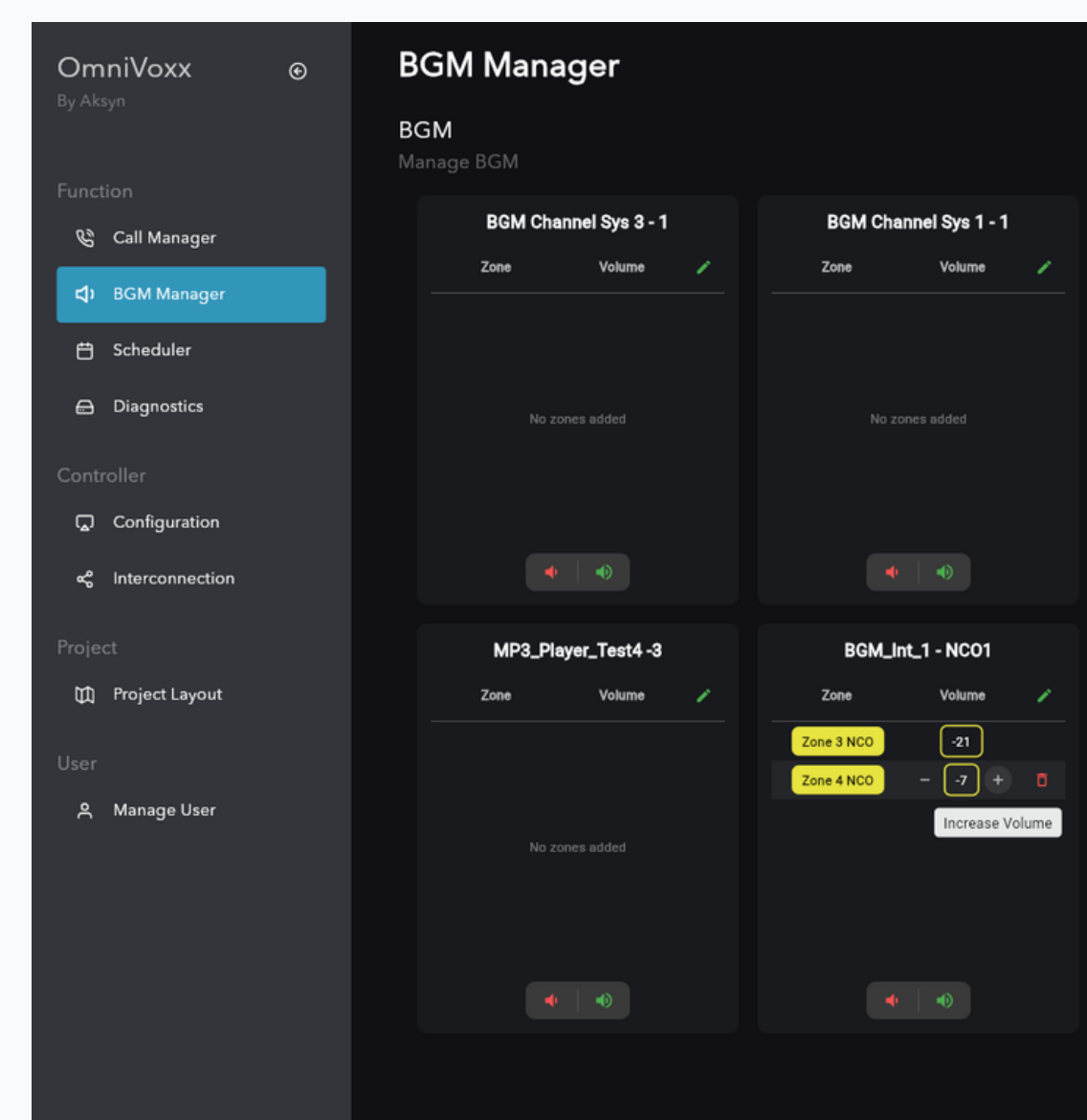
Automated Fetching of Prayer based on Geo Location (Internet Required - Once Per Year)



- **Geolocation :** Prayer times are calculated based on Latitude and Longitude
- **Calculation Method :** 22 different schools of thought for calculation included.
- **Start & End Dates:** Define a time window across which the schedule is active.
- **Zone & Message Selection:** Assign target zones and pre-recorded messages per schedule.
- **Live Status:** Each event shows its current status — Scheduled, Running, or Finished.

BGM Management

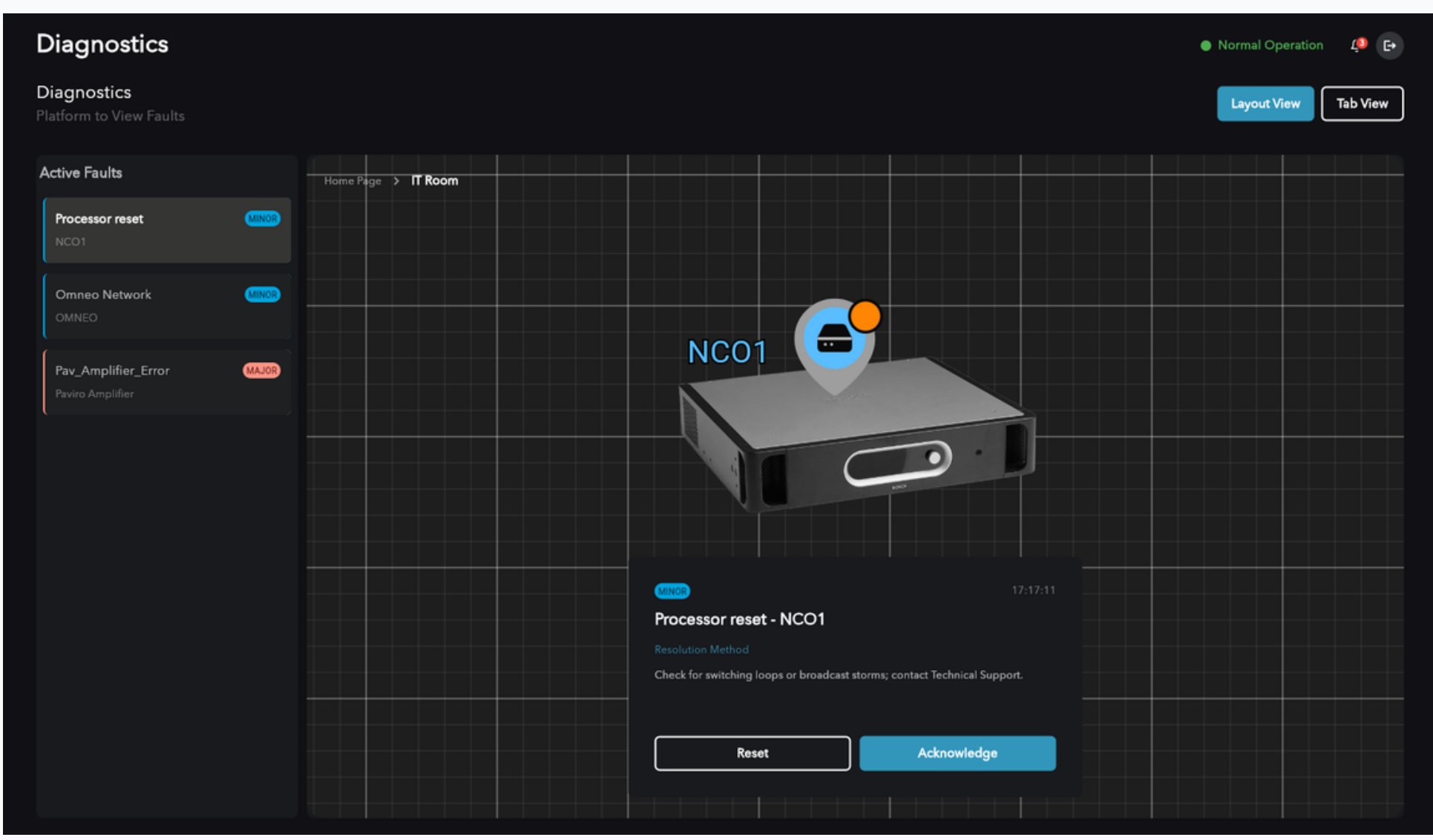
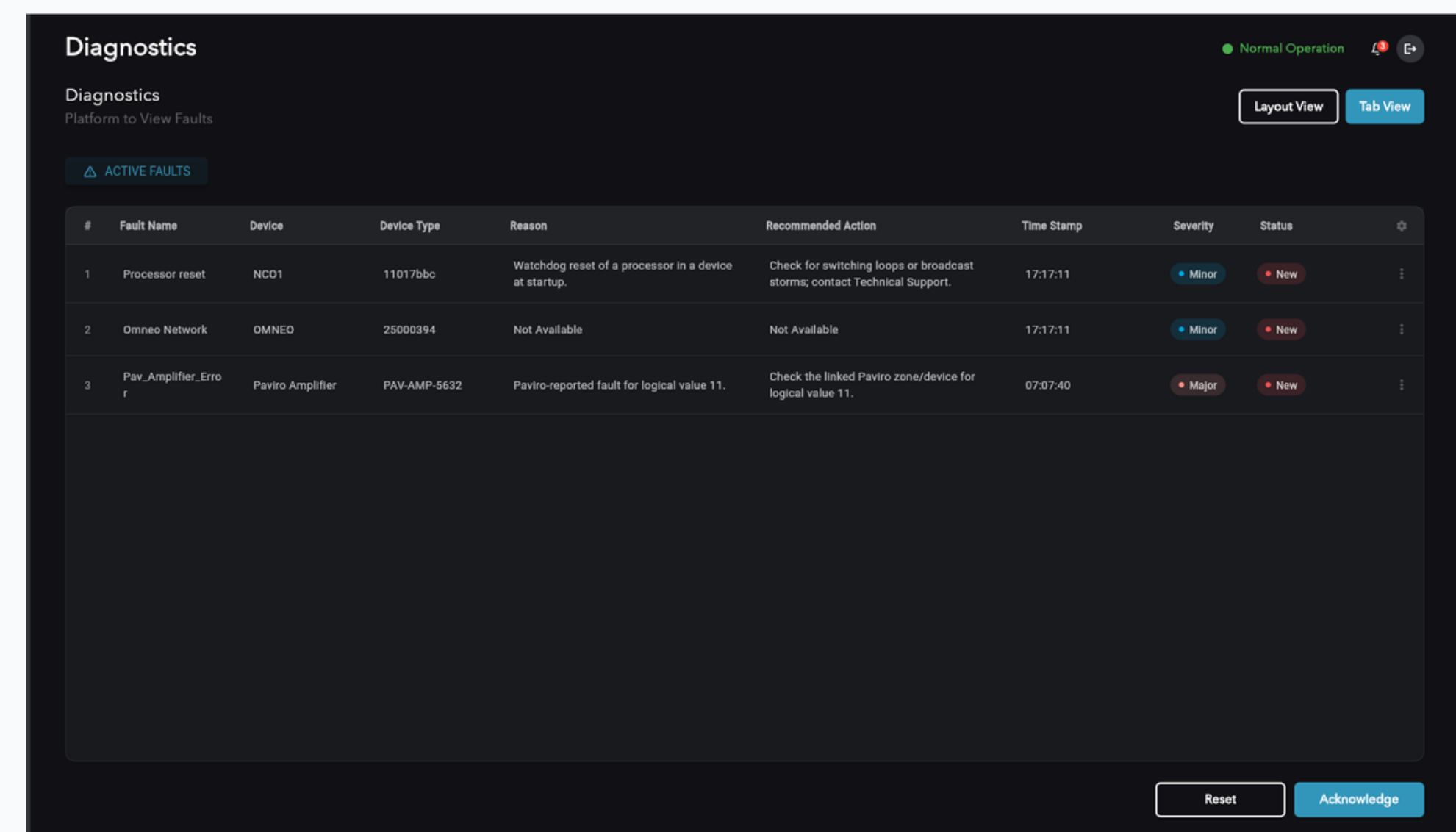
OmniVoxx provides full software control over Background Music routing and volume across all zones and subsystems. BGM channels configured in the Praesensa system are automatically reflected in the interface with their current routing status — giving operators a single, unified view of all active audio channels without any manual setup.



- **Channel Routing:** Audio is routed to zones across subsystems directly from the software. Each BGM channel displays its current routing status in real time.
- **Per-Channel Volume Control :** Adjust the master volume of each BGM channel globally across all zones assigned to it.
- **Per-Zone Volume Control :** Fine-tune the volume of each individual zone within a channel independently for precise acoustic control.

Diagnostics

OmniVoxx provides real-time visibility into every hardware fault across the PAVA system — with device identification, fault type, physical location on the 3D layout, recommended action, and live status. Operators can acknowledge and reset faults directly from the interface, and forward diagnostic data to BMS platforms via MQTT, BACnet/IP or other protocols as per requirements (Contact Sales).



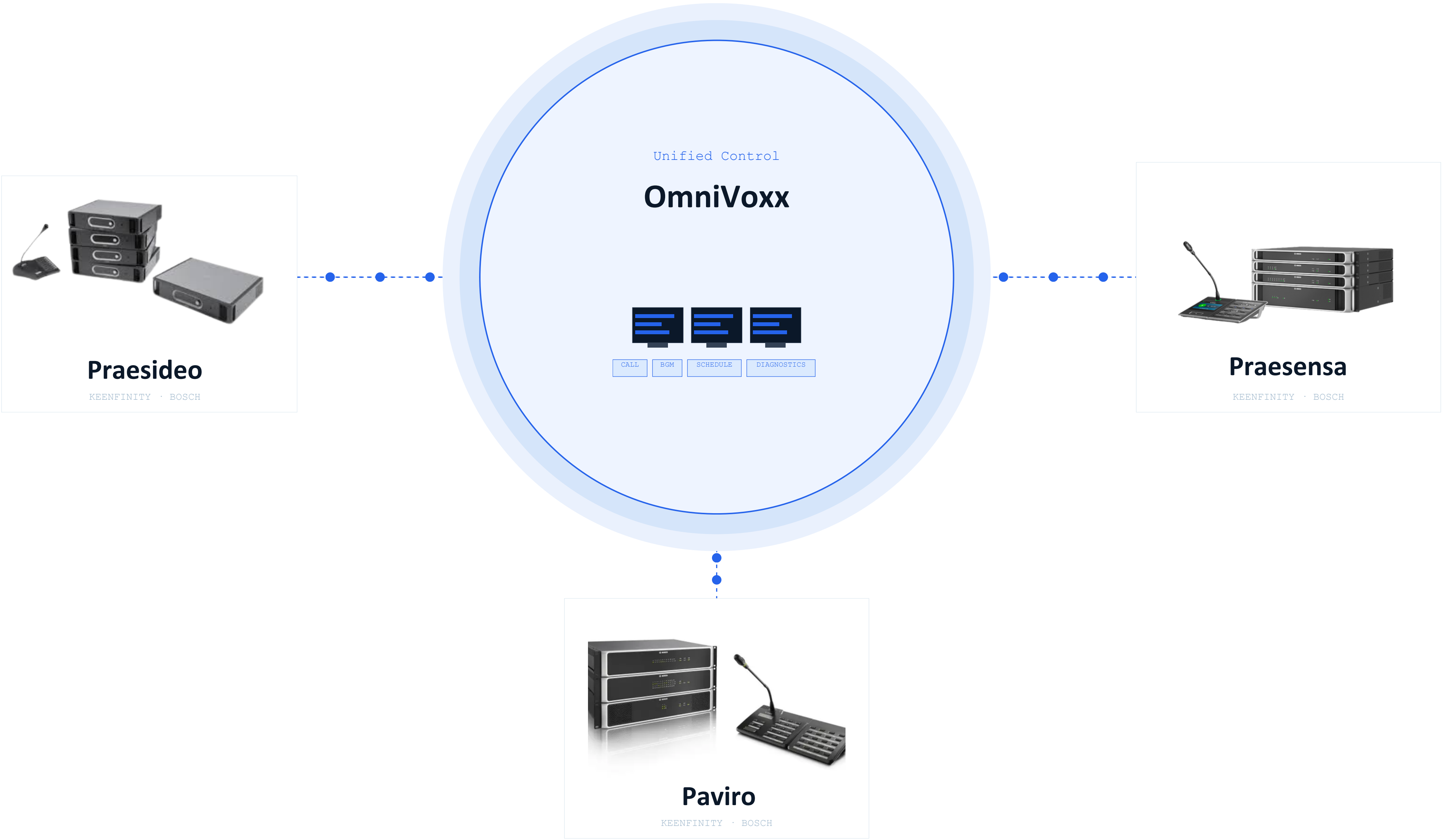
3rd Party Integeration Protocol

- **BACnet Protocol**
OmniVoxx acts as a native BACnet/IP device on the building network, hosting real-time fault data from all connected PAVA controllers as standard BACnet objects. Fault states — including speaker line, amplifier, and power supply faults — are mapped to Binary Input objects and updated in real time. BMS operators can subscribe to Change-of-Value (COV) notifications for instant alerts, or poll at any desired interval.

- **MQTT Protocol**
OmniVoxx publishes diagnostic data to a configured MQTT broker as structured JSON payloads. The BMS provider subscribes to the relevant topics on the broker to receive fault data — either on a time-based interval or triggered instantly when a fault state changes.

Multi Subsystem Control

OmniVoxx is a software enabler that extends the capabilities of Keeninfinity (Bosch) Praesideo and Paviro* PAVA systems, bridging your existing hardware with a unified software layer. Rather than replacing your hardware, OmniVoxx sits alongside it — unlocking Call Management, BGM Control, Scheduling, and Diagnostics across all connected systems from a single interface.



Key Capabilities

- **Simultaneous Multi-System Control**

OmniVoxx connects to Praesideo, Praesensa, and Paviro at the same time — operators control all systems from a single interface without switching between applications or controllers.

- **Cross-System Broadcasting**

Calls, BGM, and scheduled messages can be broadcast across multiple subsystems simultaneously — enabling site-wide or targeted announcements that span different PAVA hardware on the same network.

- **Unified Zone Management**

Zones and zone groups across all connected subsystems are managed from one place. Regardless of which hardware a zone belongs to, it can be grouped, routed, and controlled as part of a unified site layout.

- **Single Diagnostics View**

Faults from all connected PAVA controllers are consolidated into one diagnostics interface. Operators see device identification, fault type, physical location on the layout, and current status — all in one view, regardless of which system the fault originated from.

*All functionalitites may or may not be available with paviro integration, talk to our sales representative.

Get In Touch

One Software. Every System. OmniVoxx connects to Praesideo, Praesensa, and Paviro simultaneously — giving you complete control over every zone, channel, and device across your entire PAVA infrastructure from a single interface.

No Rip and Replace. OmniVoxx is a software layer that sits alongside your existing Keenfinity hardware. There is no need to replace equipment, rewire infrastructure, or invest in new controllers. Your hardware stays — OmniVoxx makes it smarter.

Built for Scale. From a single building to a multi-site campus, OmniVoxx grows with your project. Manage unlimited zones, zone groups, and call presets across multiple subsystems (Single Subnet).

Total Visibility. Total Control. Real-time diagnostics, live call status, BGM routing, and scheduled broadcasts — all in one place. OmniVoxx gives operators and engineers the clarity they need to run a PAVA system with confidence.

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