

MiSOLUTIONS GROUP

MiCONNECT

by MiSolutions Group



AT A GLANCE

Unified Platform:

- One browser-based system for bells, PA, alerts, signs, strobes, relays, SMS, and automation.

Modular Design, Infinite Flexibility:

- With MiConnect, everything begins with a powerful Gateway at the heart of your system.
- Add new features—like signs, strobes, SMS, CCTV integration, or webhooks—whenever your requirements change.
- No expensive overhauls, no wasted hardware—just seamless, future-proof expansion tailored to your needs.

Seamless Integration:

- Connects with CCTV, security panels, IP access control, webhooks, GSM/GPS, and other third-party devices.

Flexible Audio Delivery:

- Multicast, Fanned Unicast, or Unicast audio to any zone or device.

Visual & Mobile Alerts:

- Instantly trigger LED signs, strobes, or send SMS to staff and groups.

Smart Automation:

- Drag-and-drop Sequencer for advanced, scheduled, or triggered multi-step actions—no coding required.

Works On or Off Internet:

- Secure for remote, government, or isolated sites. Cloud-ready, but air-gap compliant.

Comprehensive Management:

- Onboard, group, and control every device and user—flexible permissions and modular licensing.

Compliance & Reliability:

- Built-in audits, instant backup/restore, real-time diagnostics, and local support.

Australian Built & Supported:

- Robust, scalable, and future-ready—with local expertise and ongoing upgrades.

MiConnect:

- Everything Connected.
- Every Alert Delivered.
- Every Site Ready.



www.misol.com.au



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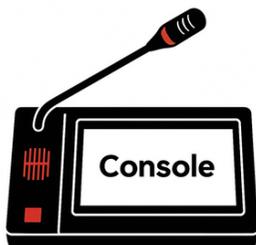
FEATURES

MiConnect Gateway (Main Unit)



- Handles all audio streaming: Multicast, fanned unicast, and local audio playback.
- Central control: Hosts all API endpoints, user interface, and connects to every device.
- Database engine: Manages all secure, encrypted system databases and automation pathways.
- GSM/GPS ready: Direct connection point for SMS alerts and GPS time sync modules.
- NTP & timekeeping: Maintains network time, local time, and automatic daylight saving adjustments.
- Enterprise security: Fully encrypted databases, user/session management, and database redundancy for reliability.
- Professional audio hardware: High-end, pro-grade audio onboard for clear alerts and music.
- Latest processing power: Runs on an advanced single-board computer (SBC) for speed and reliability.
- Ample storage: 256GB onboard SSD for audio, logs, and backup images.

The Console (Site Command Center)



- One-touch control: Easy touchscreen interface for paging, bells, sequences, and emergencies.
- Customizable layout: Assign keys for any action or event.
- Status at a glance: Live feedback and event history on-screen.
- Robust build: Designed for wall or desk installation in busy environments.
- Simple for staff: No technical training needed.

MiSign IP Colour Signs



- Instant alerts: Display evacuation, lockdown, or routine messages in bright, full color.
- Fully programmable: Schedule, trigger, or automate messages via MiConnect.
- Flexible installation: Suitable for halls, classrooms, corridors, or outdoor zones.
- Network managed: Controlled and monitored centrally.

IP Speakers



- All-call and zone paging: Deliver bells, music, or emergency messages anywhere on site.
- Smart volume control: Adjust per speaker, per group, or per event.
- Pro-grade sound: High-fidelity output for voice, tones, and media.
- Network native: Seamless integration, powered and managed via the Gateway.

GPS/GSM Module



- SMS messaging: Send and receive critical alerts, even without internet.
- GPS time sync: Keeps your system's clock accurate, anywhere—no manual setup.
- Plug-and-play: Easily connects to the Gateway, auto-detected and configured.
- Perfect for remote/offline sites: Maintain communication and correct time no matter your location.



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STROBE/SIRENS

Strobe / Siren

- Multi-colour visual alerts: Flash red, blue, green, or amber for clear event status—evacuation, lockdown, all clear, and more.
- Integrated siren: 16-tone, high-output audio alerts for emergencies or routine signaling.
- IP-triggered: Controlled from the Gateway or Console via network command, API, or automation.
- Synchronized activation: Link with speakers, signs, and relays for site-wide, coordinated events.
- Flexible installation: Suitable for classrooms, hallways, outdoor zones, and industrial spaces.
- Reliable power: POE or DC-powered for stable, low-maintenance operation.



POE IP Relays

- Remote switching: Trigger bells, signs, strobes, sirens, doors, or any powered device directly from the system.
- Multi-channel: Available in 8 or 30-channel models—control multiple outputs at once.
- Full API control: Assign relays to groups, sequences, schedules, or emergency actions.
- Industrial grade: Robust build, surge-protected, and ready for challenging environments.
- POE powered: No extra wiring required—easy to deploy and maintain.



POE IP I/O Devices

- Versatile integration: 8 digital inputs and 8 relay outputs per device.
- Sensor monitoring: Instantly detect doors, windows, tamper switches, water/flood, temperature, or other site conditions.
- Automated responses: Trigger outputs or alerts based on sensor activity—fully programmable.
- API accessible: Manage, log, and automate every input/output event in the MiConnect system.
- Network managed: Add, group, and configure from the central Gateway—no local programming required.
- POE simplicity: One-cable install for both power and data.



SMS Input Triggers / SMS Output Alerts

- Two-way mobile control: Receive SMS triggers from authorized users (e.g., send "LOCK" to initiate lockdown remotely).
- Targeted outbound alerts: Instantly notify staff, groups, or responders via SMS for any event or schedule.
- Group assignments: Route messages by site group, event type, or recipient role.
- Secure & auditable: Only approved numbers/commands accepted; all activity logged for compliance.
- Offline capable: Operates independently of internet—perfect for remote, isolated, or critical infrastructure.



Webhooks Outputs

- Integrate with any cloud platform: Instantly trigger third-party systems—Activepieces, Zapier, Teams, Google, and more.
- Flexible event logic: Fire webhooks on schedules, triggers, device events, sensor changes, or user actions.
- URL-based control: Simple configuration—just add your webhook address, choose the event, and you're connected.
- No coding required: End-to-end automation for IT, admin, or cloud workflows.
- Expandable: Use webhooks for notifications, ticketing, reporting, IoT device control, or business logic across your enterprise.

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IP AUDIO | BELL | PA | VISUAL

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FEATURES



CCTV/NVR Integration

- Instant Intruder Response: When cameras detect movement or unauthorized access, instantly trigger alerts—play local audio at the nearest speaker or site-wide, flash strobes/sirens, send SMS to security, or fire off webhooks for custom actions.
- Full API/TCP-IP Integration: Connects your video system directly with MiConnect for real-time, automated event handling.
- Flexible automations: Choose from local or campus-wide responses—customize every event to your security protocols.
- Smart escalation: Send emails, SMS, webhook notifications, and activate devices simultaneously for maximum deterrence and rapid response.
- Seamless compatibility: Works with major CCTV/NVR platforms using open API standards



Security Systems Integration

- Direct API-to-API Connectivity: Link your existing alarm or security panel to MiConnect over TCP/IP for true, event-driven automation.
- Comprehensive response: When an intruder is detected, automatically play alerts at local or networked speakers, trigger strobes/sirens, or send instant SMS and webhooks to staff and first responders.
- Customizable: Tailor every response path—email, SMS, visual/audible alarms—to your site's needs.
- No limits: Integrate any event—armed/disarmed, panic, intrusion, fire—with your wider communications and automation network.



MiSense Vape Detectors / Third-Party Vape Sensors

- Smart Air Quality Alerts: Detect vape, smoke, or airborne particles and trigger immediate campus-wide or zone-specific alerts.
- Multi-system integration: Supports both TCP/IP and direct API-to-API connections for plug-and-play setup.
- Flexible notifications: Play pre-recorded messages, send SMS, flash signs/strobes, or notify staff and admin—all automatically.
- Open platform: Compatible with MiSense and other leading vape detector brands.
- Promote health & compliance: Ensure fast action and documentation whenever a vape event occurs.



SOS Duress

- Critical Personal Safety: Staff can instantly trigger SOS/duress alerts by sending an SMS from any authorized phone.
- Multi-channel response: Automatically sound local or site-wide alarms, play safety instructions, trigger lights/strobes, or send webhooks/SMS to security and emergency contacts.
- API-connected: Seamlessly routes incoming SOS to the right outputs, both inside and outside the organization.
- Rapid escalation: Route to multiple contacts and channels simultaneously for immediate response.
- Perfect for: Education, healthcare, public buildings, and any site where lone worker or emergency response is required.



Access Control Integration

- Advanced Entry Management: Integrates with electronic access systems and wired inputs to trigger MiConnect automations on any event (door open, forced entry, badge scan, etc.).
- Automated responses: Play localized or site-wide audio, trigger lights/strobes, send SMS or webhooks on access events.
- API/Hardwired options: Supports both software (API-to-API) and direct hardware integration for maximum flexibility and reliability.
- Event-driven security: Instantly escalate or log access events, integrate with CCTV, and link with automation sequences for a complete security solution.
- Open architecture: Easily adapts to any access control system, now or in the future.



Building & Energy Management Systems (BEMS)

- Smarter Buildings: Integrate HVAC, lighting, energy metering, or solar controls with MiConnect for full-site automation and reporting.
- Protocol support: Connect over common BMS protocols (Modbus TCP, BACnet/IP, MQTT, REST API / HTTP, OPC UA, or other serial protocols for plug-and-play building management.)
- Event-driven control: Automate alerts, adjust building systems in response to events (fire, security, occupancy), or schedule based on energy goals.
- Open possibilities: Expand automation beyond security and alerts—manage energy, comfort, safety, and compliance from a single platform.
- Future-ready: Supports integration with evolving standards and technologies for lasting value.