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INTEVIO

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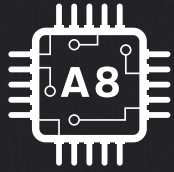
## Compact Public Address System

# INTEVIO Public Address System

The INTEVIO Public Address System is an ideal solution for retail shops, offices, hotels, factories, and K-12 schools that need a robust and economical paging solution.

It supports business operation with effective voice communication and promotes customer experience with delightful background music. INTEVIO features an intuitive user interface, flexible paging configuration, and extra system reliability – all of which result in cost savings and improved efficiency.





### **The Latest Hardware Platform to Boost Performance**

- Expand capacity for comprehensive functional integration, enabling size and cost reduction.
- Provide the foundation for smooth operation.
- Strengthen the backbone for system fault prevention.



### **Power Amplifier Backup Reduces System Vulnerability**

- Avoid operation disruption caused by amplifier breakdowns.
- Provide flexible backup options to meet economic targets.
- Feature auto-switch function to save time for new amplifier reset.



### **Full Monitoring Functions Accelerate Troubleshooting**

- Report system disconnections to save time on diagnosis.
- Indicate line faults and speed up trouble locating.
- Pass environmental test under extreme conditions to ensure system robustness.



### **Ease-of-Use Design Saves Time and Money**

- Add LCD screen with intuitive interface on controller to reduce the learning curve.
- Preloaded common configuration enables system setup via plug and play.
- Provide software tool that customizes system configuration at will.

**The INTEVIO Public Address System improves the design standard for small to medium-sized building applications. Usability, simplicity, and reliability are the key criterion amplified by INTEVIO. INTEVIO is proud to choose a cutting-edge hardware platform, focus on the details of user experience, and raise the norm for safety features in the best interest of users and installers.**

Operator productivity at small to medium-sized facilities is often subject to the operator's knowledge of the system, which day-to-day business relies on. To improve performance without requiring them to be subject matter experts, INTEVIO can flexibly adapt to the operational requirements, and lower the threshold for users with an intuitive user interface, programmable keypads, and remote access.



## Intuitive User Interface Remote Access Programmable Keypad



### 3.5" Thin-Film-Transistor (TFT) Screen

- Embedded with a graphical user interface for easy adoption.
- Improves operational efficiency with simple access to system control.
- User log lets you monitor component details whenever you want.
- Step guide identifies fault conditions so your employees don't have to – saving you time and money on training.



### One-Key Operation

- Simple, one-key task and zone operation makes the job easier than ever.



### Programmable Buttons

- Completely programmable buttons allow you to customize the system to fit your needs.



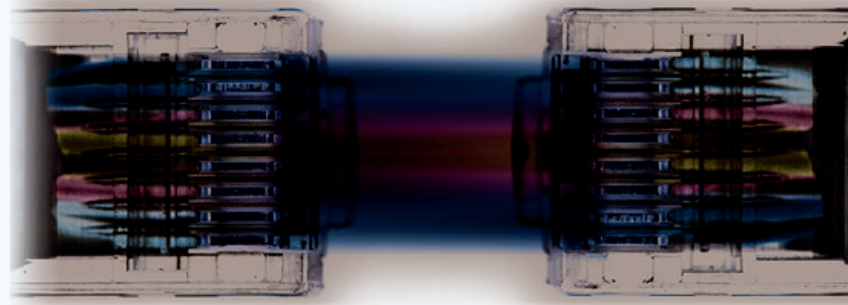
### Remote Live Paging and Audio Routing

- Up to 6 call stations are available.
- Dual communication port support with two direction "star" connect.
- Has a local audio source input and remote audio monitoring.
- Digitalized volume control for all inputs means there's no need for a preamplifier.
- One CAT5 cable connects all routing, including the power supply.
- A speaker embedded in the call station lets you record and play messages.

## Integrated Wiring

An optimized internal wiring layout within this integrated system makes installation and wiring simple and cost-efficient.

- *Assigned function group terminal layout for straight connection wiring architecture eliminates the need for complicated crossover connections.*
- *A single CAT5 cable is used for audio routing, controls, supervision, and power.*



## Centralized Monitoring

Faults can be quickly identified and resolved by conveniently accessing trouble and log details through the screen of the INTEVIO controller.

- *Information is easily accessible through the 3.5" LCD controller.*
- *Manage configuration and fault diagnostics by exporting log files.*
- *Monitor your system around the clock with access to all details and supervision.*



## Seamless and Easy Integration

System allows for third-party integration through monitored dry contacts.



# Education



Day-to-day school operations rely on a public address system. Any failure leads to an interruption in school operations, a loss in productivity, and increased operational costs. Therefore, in addition to rich features and cost efficiency, a school requires a system it can depend on.

## The PA That Deserves an A+

- Improve efficiency by automatically delivering a preset school bell schedule throughout campus.
- Give trained personnel access to the system so they can broadcast recorded messages or deliver live paging.
- The system can add up to 6 call stations within 400 meters while being powered through Power over Ethernet (PoE) – eliminating the cost of any additional wiring.
- INTEVIO monitors the system's input/outputs, power supply, and speaker circuits for you. This is a key feature that can be checked on your LCD screen or with notifications via LED indicators to ensure the system is running properly.

## Customize System Configuration

With the configuration tool, users can program the school bell schedule for days, weeks, or years, and even use special programming for holidays and summer programs. The system can be synchronized with the Network Time Protocol (NTP) server to accommodate time synchronization and time zone changes.

Full access to the current schedule and a user's ability to temporarily enable or disable any task allows for last-minute changes without the need to reset the entire system.

## Target Specific Zones

INTEVIO's remote call stations enable live paging to targeted zones. Functional buttons on the controller are configurable for different operations while allowing the user to easily change the message for specific zones – without extra hardware.

## Control Access and Set Restrictions

The controller provides programmable access restrictions with user password configuration. Scheduled tasks are automatically delivered, and users can override announcements based on priority levels.

Unsolicited broadcasting could be tempting to curious individuals in a school setting, so an access control scheme can be applied to prevent unauthorized access.



# Office Buildings

You know that a public address system can be used as a standalone paging system, but did you know it can also be used to create the perfect atmosphere in your office? Choose specific areas to broadcast background music and you can boost productivity or greet your guests with a special tune.

## **Get the Job Done with INTEVIO**

- Background music or message announcements are delivered in parking lots, reception lobbies, and corridors.
- Volume control can be adjusted to accommodate the ambient noise level in specific zones.
- The system is lightweight and designed to have a clean look – inside and out – for simple installation and an appealing aesthetic in a crowded room.
- Security guards can use the system to monitor the premise and broadcast specific messages to individual zones during an emergency. A call station can also be designated as the master controller to override background and paging announcements in crucial scenarios.
- Every segment of audio is delivered perfectly to ensure the lowest distortion.
- Smart power distribution allows for excess power to be shared to effective zones, reducing waste.

## **Cost-Cutting Performance**

To increase savings, INTEVIO provides a highly compact design with a user-friendly interface. Combined with the Honeywell Leadway Series loudspeaker family and high-efficiency ClassD amplifiers, INTEVIO can achieve professional grade sound while providing power-saving performance.

# Hotels



Hotels provide a unique and relaxing experience. A public address system is an essential part of that. Enhancing a visitor's experience means more than offering a pleasant ambiance – it also means providing a safe and secure surrounding.

- From lobbies and bars, to restaurants, spas, and swimming pools, each hotel area should benefit from a local audio source input. The standard solution is an independent audio system with I/O triggering that prioritizes emergency messages.
- In the lobby, a generous variety of audio content should be played throughout the day..
- Automatic broadcast makes the audio content easy to manage.
- Paging is not allowed in hotels – except for emergency situations. This means the system needs a foolproof design, providing quick access to control features..
- Hotel sound intelligibility is important, as the volume level has to be adjusted multiple times to different environments.
- INTEVIO amplifiers can be extended to a remote area for local broadcast. The system can deliver audio to local amplifiers through a 100V power line.
- With a storage of a 1 GB flash combined with a 4 GB SD card, the system can host up to over 900 minutes of music and has USB ports available for external storage.
- All audio sources, including AUX inputs and internal memories, can be programmed to broadcast day by day. Content is easy to update through configuration or the USB data port.
- In the configuration tool, the maximum volume level can be set according to environmental settings.

## Did you know...

...that the INTEVIO system can be self-managed? With a world class design and a flexible structure, this public address system provides customized audio delivery through multiple audio source inputs and local connectivity.





# Malls

## GET REAL-TIME FEEDBACK

In shopping malls and supermarkets, a public address system is one of the most frequently used platforms. Environmental challenges like high turnover of staff or a complicated system can significantly increase training expenses. With the user-friendly INTEVIO features, you are empowered to improve operational efficiency in malls and supermarkets. Easy operations are driven by real-time information, as users receive feedback from the system with every step they take.

## WORRY LESS WITH INTEVIO

- Use multi-language, scheduled reminders to manage the population flow within your facility.
- Enhance shopping ambiance in different areas with customizable background music.
- Program promotional messages by setting intermission times, configuring playlists, and more.
- The service call station in your control room oversees parking lots and different areas of the building, ensuring synchronized service paging.
- Eliminate operational errors and big training efforts with a user-friendly, simple-stepped system interface.
- Define audio source inputs within the “scheduled tasks” menu for external audio sources, or use default settings for routine messages.
- With a 1 GB flash plus a 4 GB SD card, the system can store up to +900 minutes of music and has a USB port available to support external storage and easy updates.
- Store prerecorded messages in the system for promotional announcements.
- INTEVIO supports temporary record and play functions, enabling user and content verification for broadcast access.
- Intuitive user experience with interaction messages that appear after each button operation.

# INTEVIO Controller

RKMCU

The INTEVIO Public Address Controller features audio storage, signal processing, routing, control, and supervision functions for the entire system. This solution is dedicated to single building upgrades that offer stability, cost savings, optimal user experience, and enhanced performance.



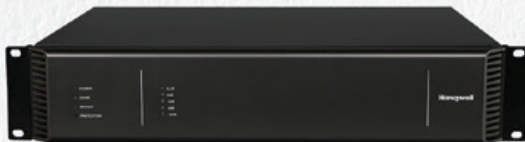
#### Features:

- Complies with international standards.
- Plug-and-play options for easy commissioning.
- Fully configurable keys to complete any task at the press of a button.
- Modular architecture, expandable up to 128 speaker zones.
- Dual channel audio capability.
- Flexible amplifier backup modes that ensure low cost of ownership and high reliability.
- Digital volume control on all inputs or outputs.
- Comprehensive fault detection and indication.

# INTEVIO Amplifier

RKAMP500

The INTEVIO High Efficiency Power Amplifier provides audio signal amplification for the INTEVIO Public Address System. This lightweight platform offers reliability and efficiency, as its design is focused on easy installation and adding a power boost to any application.



#### Features:

- ClassD technology, high efficiency, and low power consumption.
- Maximum 500W rated output power.
- Supports 70V/100V audio outputs.
- Supports balanced or unbalanced audio inputs.
- Supports 100V audio input.
- Programmed air cooling.
- Automatically limits the output voltage.
- Supports automatic protection and fault detection.

# INTEVIO Call Station

RKMIC

The INTEVIO Call Station allows users to deliver live paging, enable background music and service announcements, and broadcast emergency messages to selected speaker zones. It further enhances the user experience by allowing volume control, message recording, and audio monitoring all from a remote location.



#### Features:

- Built-in speaker for audio channel monitor.
- Temporary recording function for instant message recording and broadcasting.
- Audio line to facilitate background music from an external audio source.
- Separate volume controller for mic input, line-in, and speaker.
- 8 freely programmable buttons.
- Expandable with HMCK4/HMCK8 keypad modules if required.
- Automatic fault detection.
- CAT5 cable connection with RKMCU. Maximum distance is 600m.
- Powered by RKMCU or external power.
- Up to 6 RKMIC can be connected in one system.

# INTEVIO

## 8-Zone Expander

**RKZONE8**

The INTEVIO 8-Zone Expander integrates additional speaker lines - while achieving a broader reach in new and retrofit applications.



### Features:

- Supports up to 8 speaker zones.
- Dual channel operation to support two audio channels simultaneously.
- Independent volume control for each audio channel.
- Up to 500 W output capacity on any zone.
- Can connect up to 4 main amplifiers and 1 backup amplifier.
- Flexible amplifier backup mode that can support all other system amplifiers.
- 8 monitored dry contact inputs.
- 8 dry contact outputs.
- Supports 3-wire and 4-wire volume controllers.
- Automatic fault detection: main power, backup power, CPU, amplifier, speaker line, speaker line grounding, dry contact inputs, and network.
- Can be used with 1 line input port in standalone mode or if the controller CPU fails.
- 24DC output to power external devices.
- Can work as standalone (for PA announcements in case system fails) or in network mode along with the main controller RKM CU.
- Ability to connect up to 15 units of RKZONE8 providing a system with up to 128 speaker zones.

# INTEVIO

## 24-Zone Expander

**RKZONE24**

The INTEVIO 24-Zone Expander offers seamless integration with additional speaker lines to extend the reach in new and retrofit applications.



### Features:

- Supports up to 24 speaker zones.
- Single channel operation.
- Independent volume control for each audio channel.
- Up to 500 W output capacity on any zone.
- Can connect up to 6 main amplifiers and 1 backup amplifier.
- Flexible amplifier backup mode that can support all other system amplifiers.
- 24 dry contact inputs (non-monitored).
- Automatic fault detection: main power, backup power, CPU, amplifier, speaker line, speaker line grounding, dry contact inputs, and network.
- With 1 line input port, use it in standalone mode or if the controller CPU fails..
- Can work as standalone (for PA announcements in case main controller RKM CU CPU fails) or in network mode along with main controller RKM CU.
- Ability to connect up to 5 units of RKZONE24, providing a system with up to 128 speaker zones.

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