

LOCUTION HARDWARE PRODUCT CATALOG

*Setting the Standard
for Automated Fire Station Alerting*

24 February 2025

OVERVIEW

Locution hardware works in conjunction with Locution PrimeAlert® software to help save lives and property and improve the health and safety of first responders. Each and every architecture and product design decision is made to optimize for these goals.

Locution has avoided proprietary designs wherever possible to be able to offer the latest technologies as well as to minimize the costs for customers, both at initial purchases and in the future. Fire station alerting systems must provide mission critical tasks with speed, precision, and reliability around the clock. They must be configurable to handle unique requirements that can differ widely within the same PSAP. They should serve those who serve with the latest health and safety advances... and do so for a long time.

The suite of the latest audio and visual devices offered by Locution continues to be updated as new innovations and technologies emerge. We complement those products with our own hardware when necessary, to provide a system that is worthy to serve first responders. Coupled with our flexible, robust, and powerful software, this is how Locution has set the standard for automated fire station alerting for more than 30 years.

Please note that all features and capabilities are subject to change without notice. For the latest information, please contact Locution on the web at www.locution.com, email at sales@locution.com, or simply call us at (303) 301-7300.

Locution PrimeAlert® Communication Center and Station Hardware Products

Locution has avoided proprietary designs wherever possible to be able to offer the latest technologies as well as to minimize the costs for customers, both at initial purchases and in the future. When there is a need for hardware to complement off the shelf products to provide a system that is worthy to serve first responders, Locution has designed products to complete the solution. Coupled with our flexible, robust, and powerful software, this is how Locution has set the standard for automated fire station alerting for more than 30 years.

The Locution products listed below are current at the time of this publication. For more information about our latest offerings and quotes, please reach out to us (www.locution.com).

Locution PrimeAlert® Comm Center hardware includes an industry standard server running Locution PrimeAlert® software. A PrimeAlert radio console PC and LCDI are also options for customers who implement PrimeAlert® Radio.

Details

Resides at Comm Center
Connects to CAD, communicating via Locution
Advanced Voice Alerting (AVA) or XML
Delivers precise dispatches to multiple stations
at the same time through IP via AVA
Each dispatch goes to all stations on the call, simultaneously
Often used as the primary alert method, with radio as backup
(Can also be purchased without radio)



**Locution PrimeAlert®
IP Alert**
High uptime,
Industry-standard server
Use: Comm Center

Details

Delivers **sequential dispatches** to relevant stations/units
Automated dispatching over 1 channel with 1 PTT radio;
additional PTT's can be added for more channels
Each dispatch goes over the air immediately, regardless of
the number of stations or units on the call. If there is another
dispatch while the radio is announcing, the next dispatch(es)
will be queued up. Once the first announcement is complete,
the radio will announce the next dispatch in the queue and so on.
Lower cost than LCDI, but does not allow moving to other
talk groups or channels
Physical PTT cabinet in the Comm Center
Often used as secondary alerting method, as a backup to IP
Can also be purchased without IP

**Locution PrimeAlert®
Radio Console
(for Push-To-Talk)**

Industry-standard PC
Use: Comm Center

Details

Intelligent routing and channel selection
Can perform multi-selects, create call alerts, and has more
control over talk priority than PTT
Configurable thresholds to switch to abridged mode when
queue exceeds limit
One-click toggle to implement abridged mode
Requires dedicated radio console (provided by customer)

**Locution Console
Data Interface (LCDI)
Radio**

Use: Comm Center

Locution PrimeAlert® Station hardware includes an industry standard PC running Locution PrimeAlert® software, hardware that provides important audio capabilities to support mission critical operation, automated relay control, and manual controls including doorbell, volume control, and on/off switch.

Details

Resides at Station

Available in 4 system types

EZ-Zone: Dynamic zoning option for stations with up to 12 bunks

Multi-Zone: Dynamic zoning option for stations with more than 12 bunks

3-Area: Static zoning option for up to three zones. Hardwired and cannot change without changing station wiring.

Core: Non-zoned option, best suited for single-unit stations

Can be wall mounted (24"H x 16"W x 6 ½"D) or rack mounted (15RU)



Locution PrimeAlert®
Enclosure

Use: Station

Details

Resides at Station

In-station computer connects to the Comm Center's server to provide IP dispatching

Hosts the Audio Database (ADB) to receive instantaneous dispatches over the network

When customers purchase their PC from Locution, they provide the IP information for configuration, so Locution can then ship the plug-in-ready PC to the customer

Customers can provide their own PC if it matches the current Locution spec (see PC Requirements doc).



Locution PrimeAlert®
Enclosure PC

Use: Station

Details

Resides at Station

Primary control and interface between station software and all station cabinet hardware

Housed inside the system enclosure

Controls the programmable logic controller (PLC), countdown timer, and the Intelligent Audio Switch (IAS)

Receives audio from the station PC and routes the audio through the IAS

Conducts in-station audio tests with the press of a button

Front panel display shows status of software interface and whether the station equipment is in an active state

Converts PC audio to differential audio (better noise immunity)

Supplies PC monitoring for remote support capability

Supplies PC testing for remote support capability

Supplies 4 general purpose control relays



**Locution PrimeAlert®
Station Control Unit
(SCU)**

Use: Station

Details

Resides at Station

Main audio interface between EZ-Zone, 3-Area, and Core systems with the station audio amplifier(s)

Controls audio muting of up to 3 channels, muting all 3 inputs when a Locution PrimeAlert® dispatch occurs

Provides supplemental audio control capabilities that many amplifiers cannot perform alone

Detects the presence of radio traffic on input 1, waiting until audio is clear before announcing PrimeAlert® dispatch



**Locution PrimeAlert®
Intelligent Audio
Switch
(IAS)**

Use: Station

Details

Resides at Station

Housed inside the station enclosure

Off-the-shelf relay PLC (note: the capabilities of devices under PLC control are the responsibility of the customer)

Can be used to:

Automatically open and close apparatus bay doors and gates

Turn lights on/off

Control traffic signals

Turn off gas stoves

Activate fans

Monitor station devices including:

Acknowledgement buttons

Still alarm controls

Test buttons

Doorbells

Fire alarms and CO sensors



**Locution PrimeAlert®
Program Logic
Controller
(PLC)**

Use: Station

Details

Resides at Station

Continuously monitors the voltage, surges, spikes, and outages

Automatically switches to AC battery to protect equipment in the event of a power outage

Available versions: 700 VA, 900 VA, 1050 VA, 1500 VA, 2200 VA



**Uninterruptible
Power Supply
(UPS)**

Use: Station

Details

Resides at Station

Connected to individual speakers to provide volume control of speakers in the station

Also available in 100W (used primarily for bay speakers)

Count and design is always identified by Integrations Team



Volume Control

Use: Station

Details

Resides at Station

Automated doorbell notifies station personnel of visitors at station entrances

Specific message announces which doorbell has been activated
Each system comes with pre-set messages that can be customized and added to the Audio Database (ADB)

Note: Any Audio Database (ADB) add must be done to the main contact at the City/County, which is managed by the head of Locution ADB



Door Bell

Use: Station

Details

Resides at Station

Allows manual muting and unmuting of radio traffic at the station during the day or night

Dispatch information for unit(s) at the station will always be aired, however, unnecessary radio chatter is not heard while in night mode

Can be added to all system types

Often used to hear surrounding stations' radio traffic during the day, but limit to hear only your station at night



Day/Night Switch

Use: Station