

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.

Audio Devices

Audio devices should provide the clearest and most understandable dispatches to help reduce errors and minimize response times. They should also work with the software to provide customized tones that can quickly inform a first responder that the call is for their unit, the type of incident, and more.

Audio products should also have the latest technologies to help minimize the health risks around noise. The long-term health risks from noise exposure are significant and well documented by numerous medical studies.

Audio products also need to integrate into the automated fire station alerting system's zoned alerting capabilities. Like noise, the health risks from sleep deprivation are quite significant and proven by many medical studies. Ideally, crews should only be awakened when necessary and not for every call, and the audio products play a role to provide zoned alerting.

Recognizing the unique needs of each customer and within each station, Locution offers speakers that cover large areas as well as small, directional speakers, which can provide much clearer audio at lower volume that is safer for first responders. The smaller speakers can also help alert only the units that need to be awoken for a dispatch, rather than awaken the entire station.

Locution audio products feature "absolute quieting" technology to help reduce clicks, pops, and hisses from speakers. Locution amplifiers incorporate digital signal processing, which also provides remote access for diagnosis and maintenance.

As stated above, we have a non-proprietary architecture that can support using a customer's existing audio alerting products as well as incorporate the latest products. Customers have the choice of using compatible existing products, purchasing from Locution, or a both. The audio alerting 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).

Ceiling speakers can provide audio coverage for a room. They are available in normal mount or blind mount. Ceiling tile replacement speakers are available and can include integrated visual alerting as well.

Focused speakers can provide directional audio coverage for maximum understandability at lower volumes to help reduce the negative health effects of noise exposure for first responders. These can be used in a station nearfield bay.

Specifications

Indoor use
Sensitivity: 95 dB SPL, 1W/1M
Power Rating: 20W RMS, EIA 426A Standard
Max Power Rating: 15W @ 8 Ohms
Freq Response: 65 Hz – 17 kHz, EIA 426A Standard
Nominal Coverage Angle: 100° Included Angle,
-6 dB/2 kHz half space
Dimensions: 12 ^{7/8}" Diameter x 2.5" depth
Weight: 4.2 lbs
Color: White powder coated finish



Ceiling Loudspeaker
Location TSPK-CL
Use: hallways, stairways,
dorm rooms

Specifications

Indoor use
Sensitivity: 92 dB SPL, 1W/1M
Power Rating: 20W RMS, EIA 426A Standard
Freq Response: 65 Hz – 17 kHz, EIA 426A Standard
Nominal Coverage Angle: 90° Included Angle,
-6 dB/2 kHz half space
Dimensions: 12 ^{7/8}" Diameter x 4 ^{1/16}" depth



**Ceiling Loudspeaker
Blindmount**
Location TSPK-CL-BM
Use: hallways, stairways,
dorm rooms

Specifications

Indoor use

Sensitivity: 92 dB SPL, 1W/1M

Power Rating: 12W RMS, EIA 426A Standard

Max Power Rating: 15W @ 8 Ohms

Freq Response: 65 Hz – 17 kHz, EIA 426A Standard

Nominal Coverage Angle: 100° Included Angle,
-6 dB/2 kHz half space

Dimensions: 23 ^{13/16}“ (W) x 23 ^{13/16}“ (L) x 3 ^{1/2}“ (D)

Weight: 6.15 lbs

Color: White powder coat finish



**Tile Replacement
Speaker**

Location TSPK-TL

Specifications

Indoor use

Sensitivity: 92 dB SPL, 1W/1M

Power Rating: 12W RMS, EIA 426A Standard

Max Power Rating: 15W @ 8 Ohms

Freq Response: 65 Hz – 17 kHz, EIA 426A Standard

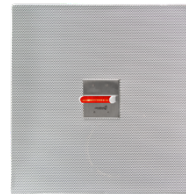
Nominal Coverage Angle: 100° Included Angle,
-6 dB/2 kHz half space

Dimensions: 23 ^{13/16}“ (W) x 23 ^{13/16}“ (L) x 3 ^{1/2}“ (D)

Weight: 6.35 lbs + weight of light selected

Color: White powder coat finish

Light choices include: Night Vision Illuminator (LNVI-H), Ramped Night Vision Illuminator (LNVI-EZ) and Strobe



**Tile Replacement
Speaker with**

Location TSPK-TL-DR

Specifications

Power Rating: 40W
Nominal Frequency: 40-7500 Hz
Sound Level Peak: 124 dB
Sound Level RP/1M, 1W/1M: 120 107 dB, 500-5000 Hz (+/- 5 dB)
Dispersion: 60° x 40°
Dimensions: 14.5" (W) x 10 1/4" (H) x 13 1/4" (D)
Weight: 6 lbs (2.7 kg)



Horn Speaker
Location TSPK-HR
Use: Apparatus bays
Outdoor

Specifications

Indoor or outdoor use
Sensitivity: 88 dB, 1W/1M
Power Rating: 16W RMS
Freq Response: 115 Hz – 16 kHz (+/- 5 dB)
Height: 7" (177.8mm)
Width: 5" (127mm)
Depth: 5 15/16" (150.3mm)
Color: Black or White



**Wall Baffled
Nearfield Speaker**
Location TSPK-WB
Use: Apparatus bays,
Outdoor patios

Specifications

Indoor use
Sensitivity: 92 dB SPL, 1W/1M
Rated Power: 12W
Freq Response: 120 Hz – 20 kHz
Coverage Angle: 90° Included Angle, -6 dB/2 kHz half space
Dimensions: 12 7/8" Diameter x 4 1/16" depth



**Wall Focused
Speaker**
Location TPSK-WF
Use: Dorm rooms