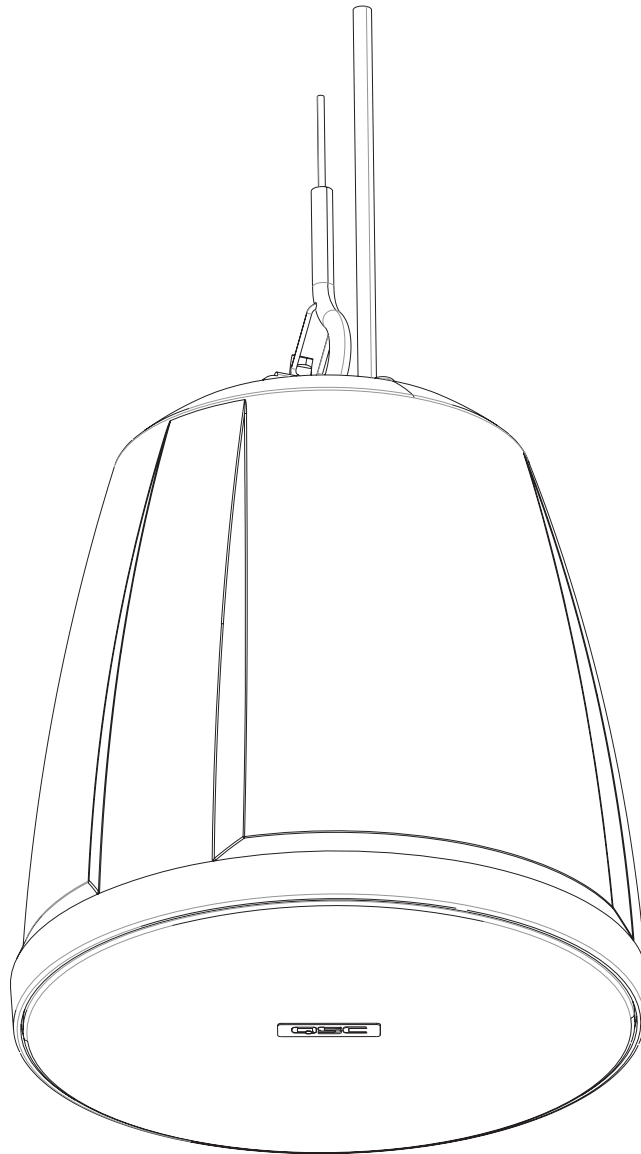


NL-P4

4" Full-range, Pendant-mount Network Loudspeaker



EXPLANATION OF TERMS AND SYMBOLS

The term "**WARNING**" indicates instructions regarding personal safety. Failure to follow them may result in bodily injury or death.

The term "**CAUTION**" indicates instructions regarding possible damage to physical equipment. Failure to follow them may result in equipment damage to equipment that may not be covered under the warranty.

The term "**IMPORTANT**" indicates instructions or information that are vital to the successful completion of the procedure.

The term "**NOTE**" indicates additional useful information.



The lightning flash with arrowhead symbol in a triangle alerts the user to the presence of uninsulated dangerous voltage within the product's enclosure that may constitute a risk of electric shock to humans.



The exclamation point within a triangle alerts the user to important safety, operating, and maintenance instructions in this manual.



IMPORTANT SAFETY INSTRUCTIONS



WARNING! TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Do not use this apparatus near water.
4. Clean only with a dry cloth.
5. Do not install near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. Only use attachments/accessories specified by the manufacturer.
7. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
8. Do not use this apparatus in or near water or liquids.
9. Do not submerge the apparatus in water or liquids.
10. Do not use any aerosol spray, cleaner, disinfectant or fumigant on, near or into the apparatus.
11. Adhere to all applicable, local codes.
12. Consult a licensed, professional engineer when any doubt or questions arise regarding a physical equipment installation.

Maintenance and Repair



WARNING: Advanced technology, e.g., the use of modern materials and powerful electronics requires specially adapted maintenance and repair methods. To avoid a danger of subsequent damage to the apparatus, injuries to persons and/or the creation of additional safety hazards, all maintenance or repair work on the apparatus should be performed only by a QSC authorized service station or an authorized QSC international distributor. QSC is not responsible for any injury, harm or related damages arising from any failure of the customer, owner or user of the apparatus to facilitate those repairs.



IMPORTANT! PoE Power Input – PoE+ Type 2 Class 4 capable. See "Connections and Controls".

Cleaning



WARNING: Liquids entering the housing may damage the internal electronics. Keep liquids away and do not use any solvents or chemicals to clean this product. Clean only with a soft, slightly damp or dry cloth.

Specifications and Dimensions

Product specifications and dimension drawings for the NL-P4 can be found online at www.qsc.com.

FCC Statement



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Environmental

- **Expected Product Life Cycle:** 10 years
- **Storage Temperature Range:** -20°C to +60°C
- **Relative Humidity:** 5 to 85% RH, non-condensing

RoHS Statement

The QSC Q-SYS NL-P4 is in compliance with European Directive 2011/65/EU – Restriction of Hazardous Substances (RoHS2).

The QSC Q-SYS NL-P4 is in compliance with “China RoHS” directives per GB/T 26572. The following chart is provided for product use in China and its territories:

| QSC Q-SYS NL-P4 | | | | | | |
|-------------------------------|--------------------------------|-----------|-----------|-----------------|---------------|-----------------|
| 部件名称 (Part Name) | 有害物质 (Hazardous Substances) | | | | | |
| | 铅 (Pb) | 汞 (Hg) | 镉 (Cd) | 六价铬 (Cr(vi)) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) |
| 电路板组件 (PCB Assemblies) | X | ○ | ○ | ○ | ○ | ○ |
| 机壳装配件 (Chassis Assemblies) | X | ○ | ○ | ○ | ○ | ○ |

本表格依据 SJ/T 11364 的规定编制。

O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

(目前由于技术或经济的原因暂时无法实现替代或减量化。)


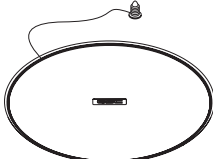
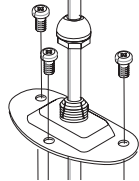




This table is prepared following the requirement of SJ/T 11364.

O: Indicates that the concentration of the substance in all homogeneous materials of the part is below the relevant threshold specified in GB/T 26572.

X: Indicates that the concentration of the substance in at least one of all homogeneous materials of the part is above the relevant threshold specified in GB/T 26572.

(Replacement and reduction of content cannot be achieved currently because of the technical or economic reason.)

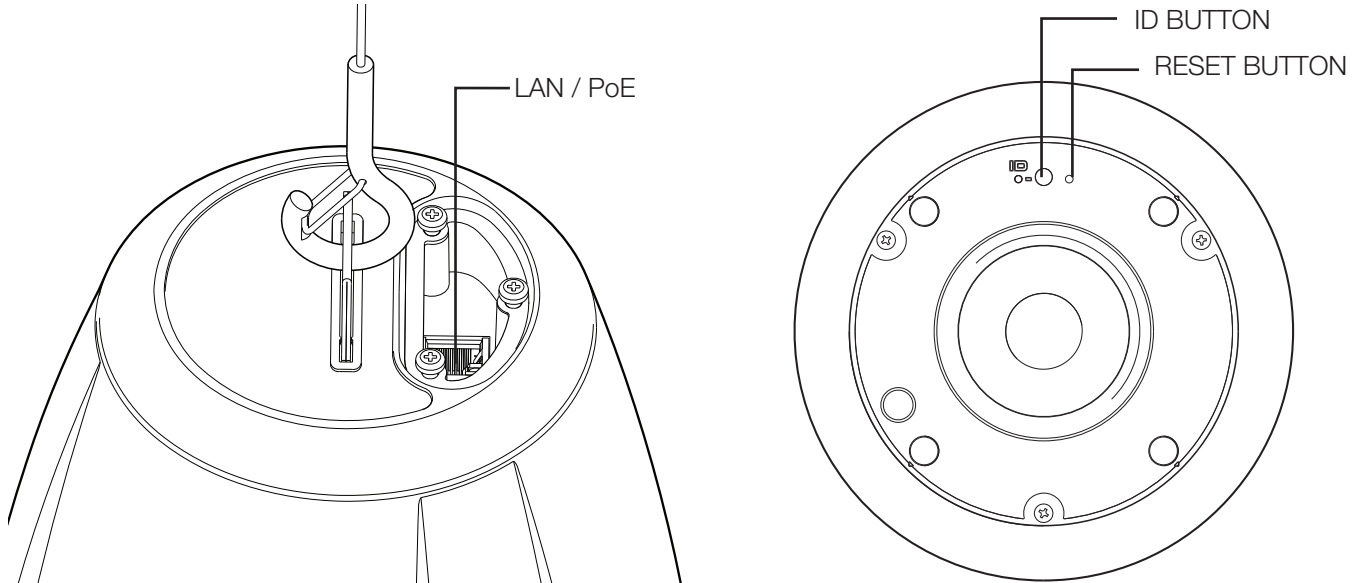
What's in the Box

| | | | |
|---|--|--|--|
|  <p>(1x) NL-P4</p> |  <p>(1x) Snap-fit magnetic grille</p> |  <p>(1x) Protective cover</p> |  <p>(2x) Quick-link cable assemblies*</p> |
|  <p>(2x) Slip-lock fasteners</p> |  <p>(1x) Warranty statement</p> |  <p>(1x) Safety information</p> | |

*Length 3.25m/128in, 2mm thickness

Connections and Controls

- **LAN/PoE:** RJ-45 connector for Q-SYS Gigabit Ethernet and Power over Ethernet (PoE). Cat5e cabling or better required. PoE+ Type 2 Class 4 capable.
- **ID Button:** Press to identify this product in Q-SYS Designer Software and Q-SYS Configurator. The STATUS LED blinks when in ID mode. Press again to turn off.
- **Reset Button:** Use the Reset button to restore default network settings and recover factory default settings. Before attempting a reset, refer to the [Q-SYS Help](#) for details.



— Figure 1 —

Installation

Suspend the Loudspeaker



WARNING!: Do not attach the snap hook to the loudspeaker or any other load until the hanger cable has been anchored to a suitable structural member.

1. Insert the wire cable into the appropriate hole in the fastener (see Figure 2). The fastener's two holes are directional so that the cable will only insert one way; if it will not go through, the cable is inserted into the wrong hole.
2. Loop the cable over the structural member where the loudspeaker is to hang. The structure must be capable of supporting at least 5× the weight of the loudspeaker NL-P4: 17.5 lb or 8 kg.

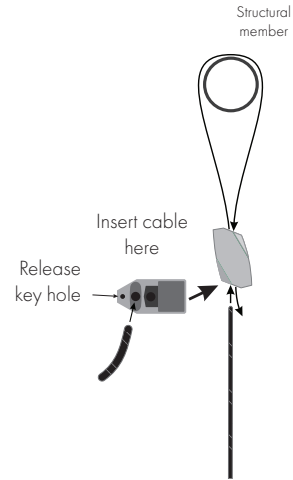
NOTE: Building codes in some jurisdictions may require higher safety factors.

3. Insert the cable through the other hole in the fastener.
4. Adjust the length of the cable hang so the snap hook is at the desired height. To shorten the hang, simply pull the cable further through one or both holes in the fastener (Figure 3). To lengthen the hang or to remove the cable from the structural member, insert the release key into the appropriate release key hole; this will unlock that hole in the fastener and allow the cable to move in the other direction (Figure 4).

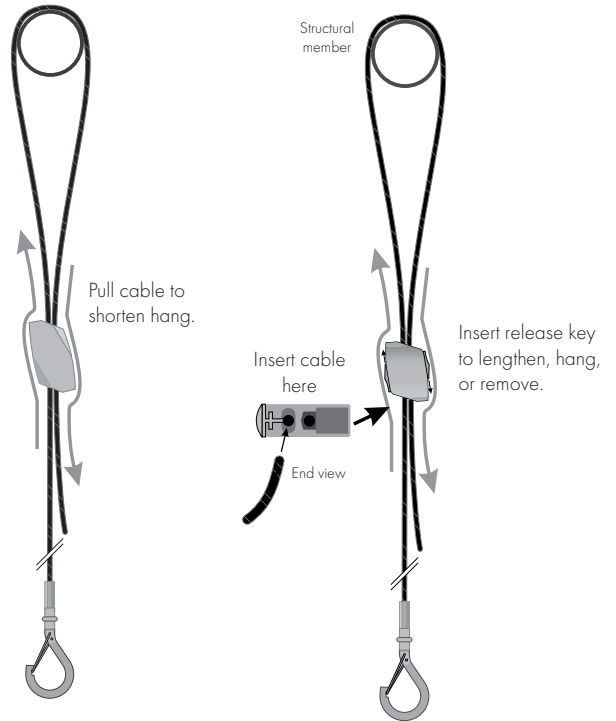


WARNING!: Never insert the release key while there is a load on the hanger cable.

5. Attach the snap hook to the suspension tab on the loudspeaker (Figure 5). Make sure the safety latch on the hook closes fully with the loudspeaker attached before you transfer the weight of the loudspeaker to the cable.

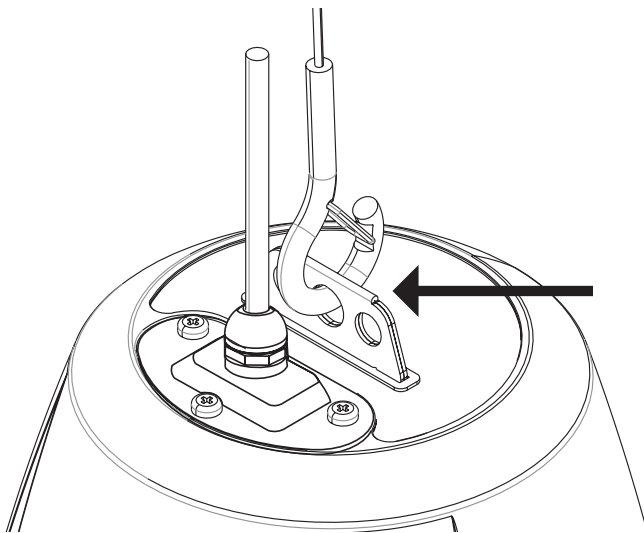


— Figure 2 —



— Figure 3 —

— Figure 4 —

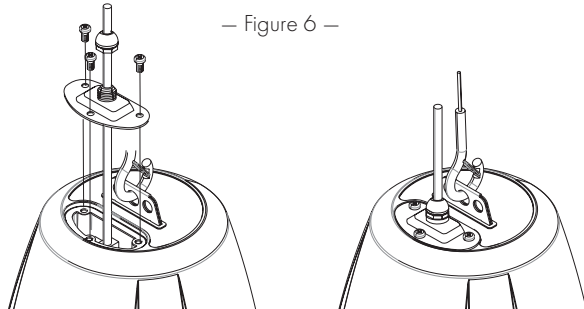


— Figure 5 —

Wire the Loudspeakers

Refer to Figure 6.

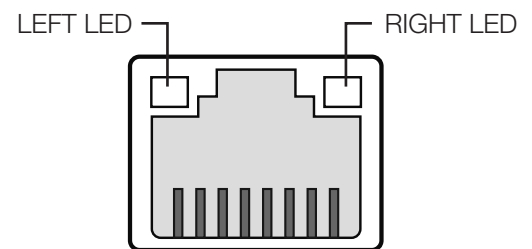
1. On the top of the enclosure, remove the protective cover for the input connector.
2. Pass the unterminated CAT cable through the protective cover and terminate with an RJ45 connector. Plug the RJ45 connector securely into the jack.
3. Reinstall the protective cover.



Confirm Connections

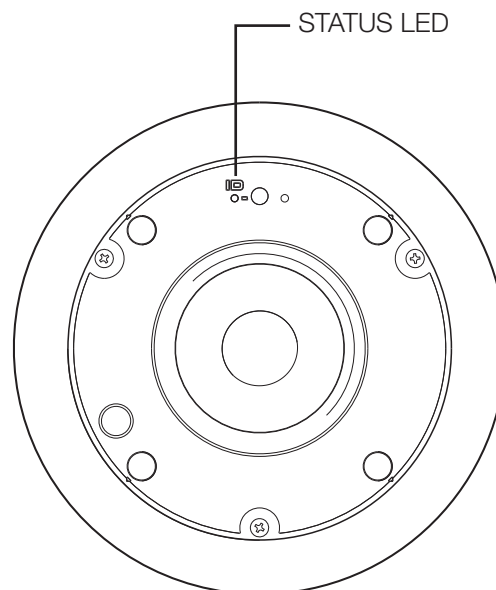
1. Once the NL-P4 is connected to a suitable PoE/PoE+ network switch or midspan injector, check the RJ45 jack LEDs for network status.

| Left LED | Right LED |
|---------------------|------------------------------------|
| Yellow | Green |
| Dark - Disconnected | Dark - Disconnected/10Mbps/100Mbps |
| Solid - Link | Solid - 1 Gigabit Link |
| Flashing - Activity | |



2. For Q-SYS status check the status LED under the grille (see Figure 7).

| | Identify | Initializing | Fault |
|-------|-------------------|------------------|-----------------|
| NL-P4 | Yellow - Flashing | Blue - Breathing | Red - Breathing |



— Figure 7 —



QSC Self Help Portal

Read knowledge base articles and discussions, download software and firmware, view product documents and training videos, and create support cases.

<https://qscprod.force.com/selfhelpportal/s/>

Customer Support

Refer to the Contact Us page on the QSC website for Technical Support and Customer Care, including their phone numbers and hours of operation.

<https://www.qsc.com/contact-us/>

Warranty

For a copy of the QSC Limited Warranty, visit the QSC, LLC., website at www.qsc.com.