

## 1. Introduction

This installation guide provides instructions for installation, programming, and operation of **Model AHLP-1** when used in conjunction with VOIP-500/VOIP-600 Series IP Call Stations.

This panel allows a VOIP-500/VOIP-600 Series Call Station to transmit to a telecoil-enabled hearing aid (i.e. bone-anchored hearing aid (BAHA) or cochlear implant via magnetic field)—providing critical accessibility to a user with hearing loss.

It is recommended that this instruction set be read completely prior to the start of any installation.

## 2. Contents

Please ensure receipt of each of the included components:

QTY	Part Number(s)	Description
1	810-00120	AHLP-1 unit
4		Torx T25 screws (M5x10) for the AHLP-1 cover
1	437-00068	Mounting gasket
1	115-00052	6 ft. power cable assembly
1	840-00067	6 ft. audio Y-cable assembly
1		Wago terminal tool
1	740-00005	Mounting template

## 3. Requirements

The following equipment and tools required for installation are not provided:

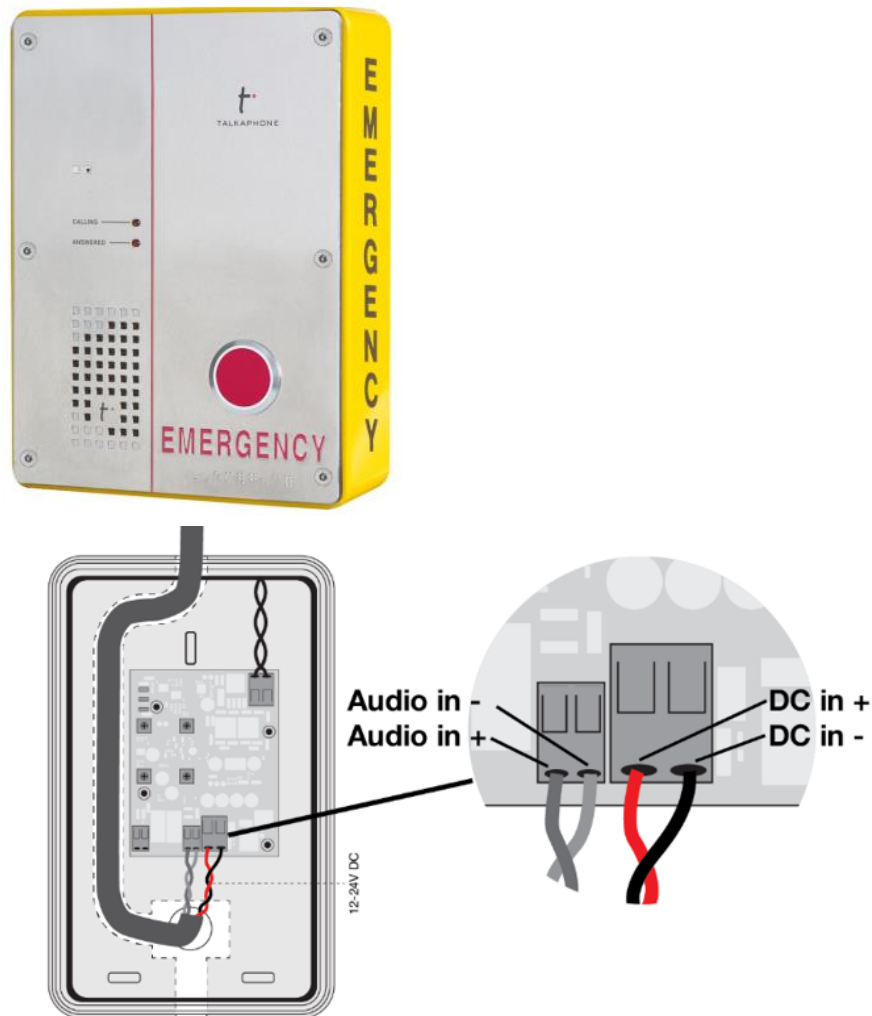
QTY	Description
1	12-24VDC power supply
1	Torx T25 screwdriver
1	3/32" slotted screwdriver
1	5/6" (8mm) nut driver
3	#10 mounting screws
1	9" level
	Conduit between Call Station and Wall/Surface Mount

#### 4. Technical Requirements

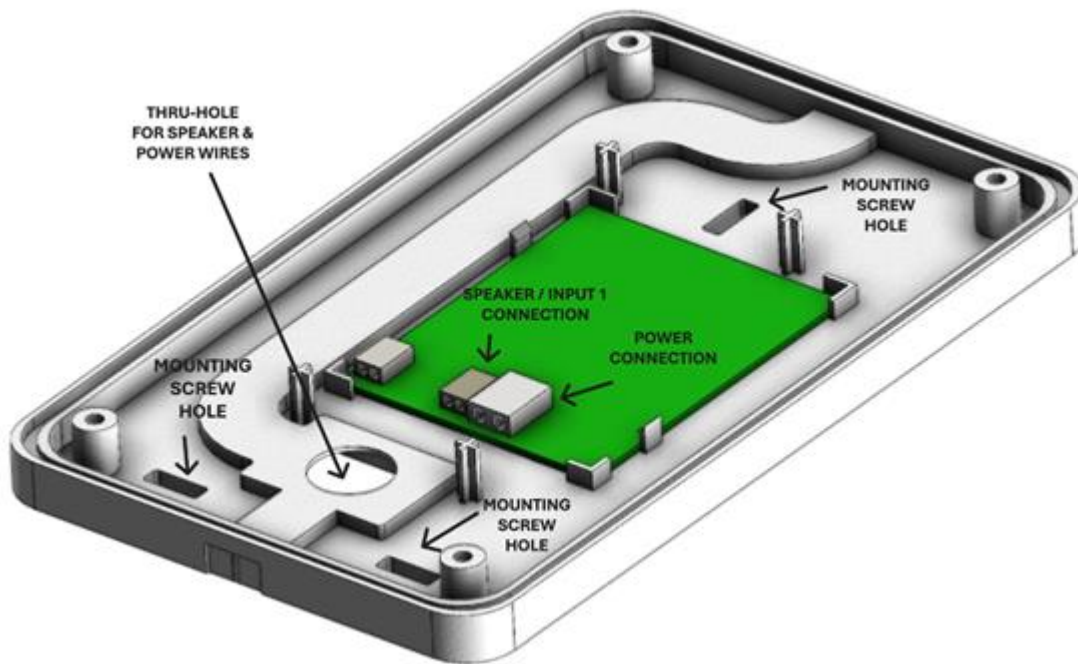
##### Power for the AHLP-1 unit:

- Power supply sold separately
- 12-24VDC, 1.5A
- Power consumption: 0.05 A (quiescent)  
0.240 A (continuous pink noise)  
0.765 A (continuous sine)  
1.2 A (maximum short-term peak)

#### 5. Product Overview



**Figure 1.** Overview of an example **AHLP-1** installation with a **VOIP-500E** Call Station and **ETP-SM-1** Surface Mount. Location and pinout of audio and power connectors shown.



**Figure 2.** Key physical features and printed circuit board assembly (PCBA) connectors of the **AHLP-1**.

## 6. Installation



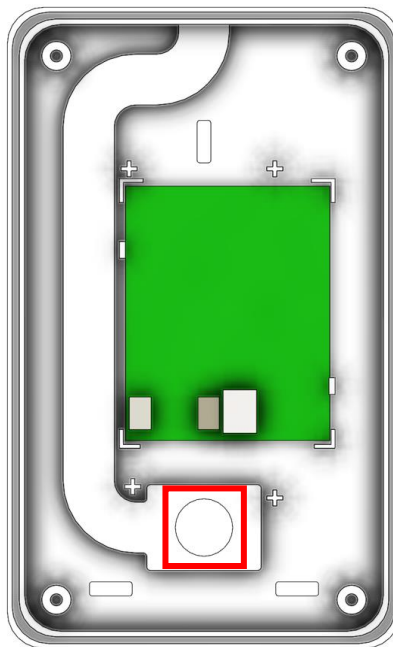
### IMPORTANT NOTE:

**DO NOT INSTALL THIS EQUIPMENT NEAR ANY HEAT SOURCES SUCH AS RADIATORS, HEATING VENTS, OR OTHER EQUIPMENT THAT PRODUCES HEAT.**

**THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED**

1. Remove the top cover from the **AHLP-1** unit.
2. Using the Wago terminal tool, depress with a low amount of pressure from the top of the power connector and insert the exposed cable tips of the **power cable assembly** to the appropriate polarity **(+) RED** and **(-) BLACK**, on the power connector.
3. Using the Wago terminal tool, depress with a low amount of pressure from the top of the **SPEAKER/INPUT 1** connector and insert the exposed cable tips of the **audio Y-cable assembly** to the appropriate polarity **(+) SOLID** and **(-) STRIPED**.
4. The AHLP-1 unit offers a rear entry for cable routing (see **Figure 3**).

Run the **power cable** and **audio Y-cable** through the rear entry hole and through conduit between the VOIP-500/VOIP-600 Call Station and the Surface/Wall Mount.



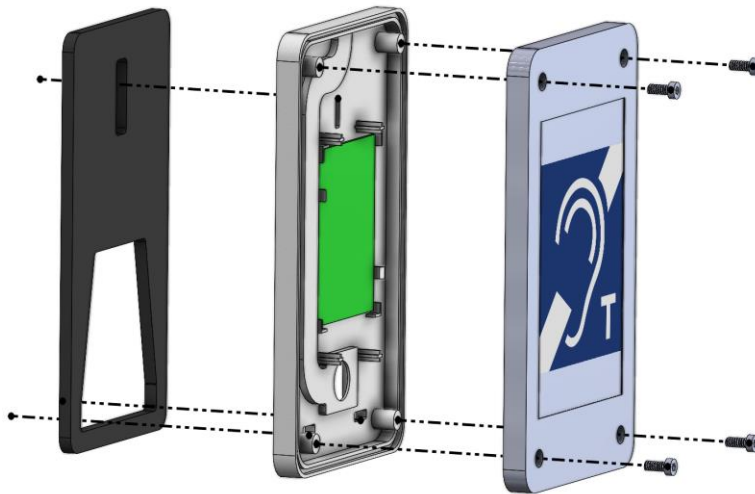
**Figure 3.** Rear entry for cable routing (boxed in red) for the **power cable assembly** and the **audio Y-cable assembly**.

5. Align the included mounting gasket to the rear of the **AHLP-1** unit.



**Figure 4.** Aligning the mounting gasket to the **AHLP-1** unit. Mounting holes and cable/conduit pass-through shown.

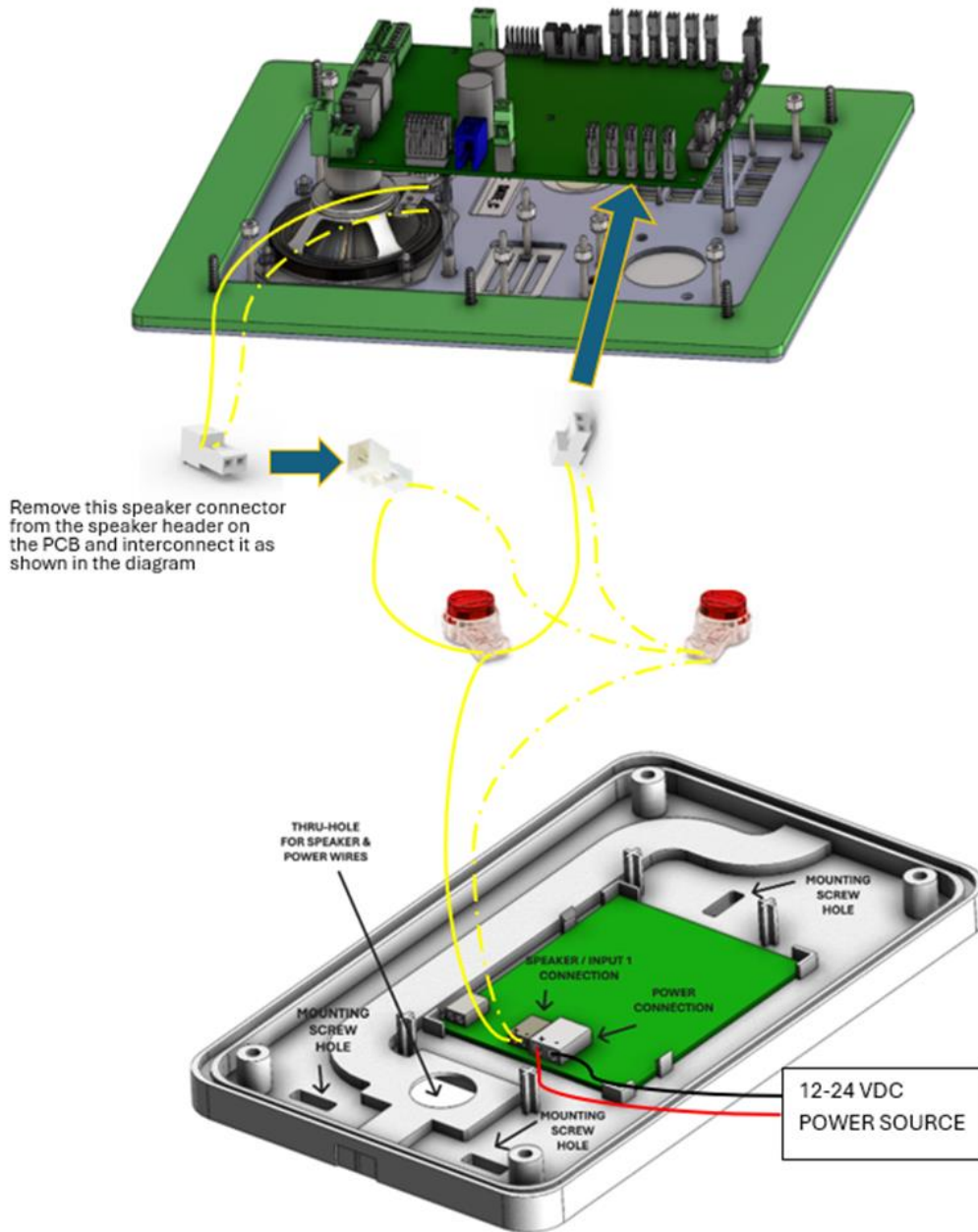
6. Using a 9-inch level, mount and secure the **AHLP-1** through the three (3) mounting holes (#10 mounting screws at the field required length).



**Figure 5.** Overview of installing the **AHLP-1** unit with the included mounting gasket.

7. Place the cover on the **AHLP-1** and secure it with the included four (4) Torx T25 screws.
8. De-energize power supplied to the Surface/Wall Mount and VOIP-500/VOIP-600 Call Station.
9. If installed, remove the six (6) security screws from the faceplate of the VOIP-500/VOIP-600 Call Station.
10. Disconnect power and Ethernet (data) cables from the VOIP-500/VOIP-600 Call Station and remove the four (4) hex nuts from the rear black plastic backbox to expose the internals.
11. Locate the yellow speaker cable and disconnect the respective connector from the speaker header on the VOIP-500/VOIP-600 printed circuit board assembly (PCBA).

12. Connect the VOIP-500/VOIP-600 speaker cable to the **audio Y-cable assembly**.
13. Connect the other end of the **audio Y-cable assembly** to the speaker header on the VOIP-500/VOIP-600 PCBA.



**Figure 6.** Connecting the audio Y-cable assembly from a **VOIP-500/VOIP-600** Call Station to the **AHLP-1** unit.

# AHLP-1 Active Induction Hearing Loop Panel for VOIP-500/VOIP-600 Series Call Stations Installation Guide

14. Reconnect power and Ethernet (data) cables to the VOIP-500/VOIP-600 Call Station and reinstall the rear black plastic backbox.
15. Reinstall the VOIP-500/VOIP-600 Call Station into the Surface/Wall Mount.
16. Energize power supplied to the Surface/Wall Mount and VOIP-500/VOIP-600 Call Station.
17. Test and certify the installed **AHLP-1** unit.

The installation typically requires a **Certificate of Test and Conformity** to the **IEC 60118-4:2014** standard.

In order to conduct this field test, both a field strength meter (Model **AHLP-FSM-1**) and a signal generator (Model **AHLP-SG-1**) are required. Both are sold separately.

The general procedure and guidelines for the field test are provided here:

[https://www.talkaphone.com/hubfs/documents/AHLP-1\\_Field\\_Conformity\\_Test\\_Guide\\_IEC\\_60118-4.pdf](https://www.talkaphone.com/hubfs/documents/AHLP-1_Field_Conformity_Test_Guide_IEC_60118-4.pdf)

The **Certificate of Test & Conformity** form that will be used to record the results of each test location are provided here:

[https://www.talkaphone.com/hubfs/documents/AHLP-1\\_Certificate\\_Test\\_Conformity\\_Form.pdf](https://www.talkaphone.com/hubfs/documents/AHLP-1_Certificate_Test_Conformity_Form.pdf)

## **7. System Maintenance**

Talkaphone advises an annual inspection and testing be scheduled as part of the preventative maintenance schedule for Blue Light Phones.

- The **AHLP-1** does not contain any field or user serviceable parts. Please contact [support@talkaphone.com](mailto:support@talkaphone.com) for further assistance.
- Servicing of the **AHLP-1** shall be conducted by qualified personnel.
- Clean only with a dry cloth—cleaning solutions or chemicals may affect the operation of the **AHLP-1** unit.

## **8. Servicing**

For product service and repair, please contact:

Talkaphone Support

Email: [support@talkaphone.com](mailto:support@talkaphone.com)

Phone: 773.539.1100

## **9. Limited Warranty Information**

For the latest warranty information, please visit:

<https://www.talkaphone.com/terms-of-use-and-limited-warranty>