



Connecting and
protecting people

Installation guide

Microphone and External Speaker for PSTN Phone LPBus (PNB)

MU-99640AV101-EN

V1



Installation

Guide to be used with products: MU-99640AV101-EN

Secure the microphone and speaker using the preferred method: adhesive or screws. Establish the electrical connection with the PNB. Adjust the PNB switches to activate the external microphone and speaker.

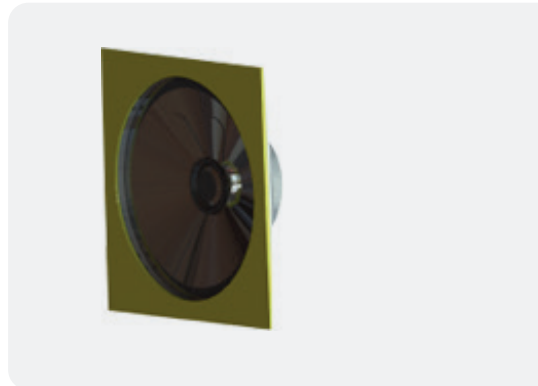
Fixing

Both the microphone and speaker can be affixed using either the provided adhesives (recommended) or bolts. For bolt fixing, refer to figures 1 and 2 for mechanical dimensions. Ensure the surface where components are placed is clean and grease-free.

Fixing: Speaker

Before mounting the speaker, confirm air outlet (sound) holes are present on the sheet surface. Without these, the speaker may not function correctly, potentially causing coupling issues that hinder external communication. Aim for a drilling or milling ratio exceeding 50% of the speaker cone surface (max Ø 50 mm).

- 1 Gently remove the yellow protective paper from the front face.
- 2 Firmly press the assembly onto the surface designated for the speaker.
- 3 **Note** that once the speaker is affixed, its position cannot be altered as the adhesive is permanent.



Installation

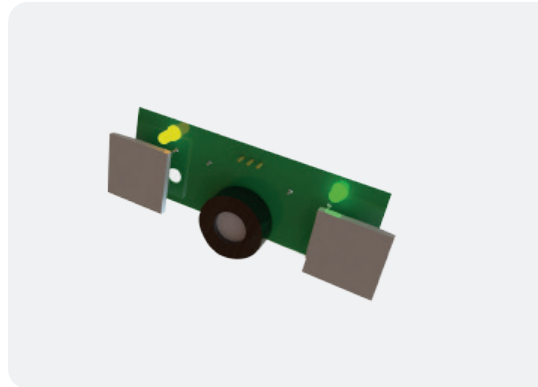
Fixing: Microphone & LEDs

Before mounting the microphone, ensure air inlet (sound) and LED holes are present on the sheet surface. Without these, the microphone may not capture cabin audio properly, potentially causing coupling issues that hinder external communication. Aim for a drilling or milling ratio exceeding 50% of the microphone surface and less than 9mm.

1 Carefully remove the white protective paper from the front faces of the spacers.

2 Firmly press the assembly onto the surface designated for the microphone.

3 **Note** that once the plate is affixed, its position cannot be altered as the adhesive is permanent. If LEDs are not desired, they can be cut using cutting pliers, and the corresponding cable should not be connected to the LED connector on this plate.



Connection

Microphone

- 1 Insert the Microphone connector into the “**Mic**” marked connector on the PNB, ensuring it clicks into place.the PNB, ensuring it clicks into place.
- 2 Switch the microphone selector from “**Int**” to “**Ext**”. Verify correct insertion for completion of the connection process.



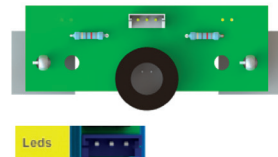
Speaker

- 1 Insert the Speaker connector into the “**Spk**” marked connector on the PNB, ensuring it clicks into place.
- 2 Switch the speaker selector from “**Int**” to “**Ext**”. Verify correct insertion for completion of the connection process.



LEDs (Pictograms)

- 1 Insert the LED connector into the designated slot on the LEDs & Mic plate until it clicks into place.
- 2 Insert the LED connector into the “**LEDs**” marked connector on the PNB, ensuring it clicks into place.



IMPORTANT!

DECLARATION OF CONFORMITY




Avire confirms that this product complies with the essential requirements and other relevant provisions of the following Directives: 2014/30/EU; 2014/33/EU; and 2011/65/EU.


ELECTRONIC EQUIPMENT WASTE




The existence of this symbol on the product or on the packaging means that this product cannot be disposed of as domestic waste. It is the responsibility of the user to deliver this product to a Recycling Collection Point or alternatively, it must be returned to Avire for proper recycling management.

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