



PA Interface Box for Avaya B159/ B179 Conference Phones

Quick Setup Guide

DESCRIPTION AND INSTALLATION

The PA interface box connects the conference phone with an existing PA system. To match several types of situations and equipment, there are some settings available in the Avaya B159/B179 menu, see the following pages in this setup guide.

Parts included

- Interface box
- Connection cable, 2.5 metres

Output specification

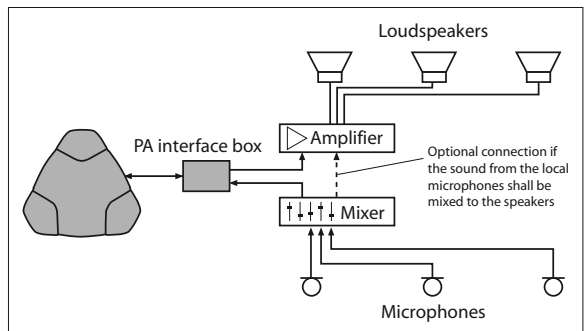
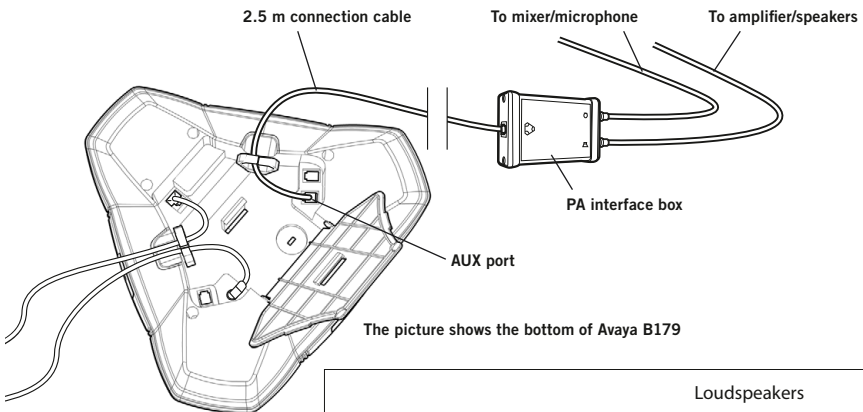
| | |
|--------------|-----------|
| Connector | RCA |
| Impedance | 600Ω |
| Output level | 200mV RMS |

Input specification

| | |
|-------------|-----------|
| Connector | RCA |
| Impedance | 5kΩ |
| Input level | 300mV RMS |

Connecting the PA interface box

- ① Always disconnect the power supply from the electrical outlet before disconnecting or connecting equipment to the Avaya B159/B179.
- ⇒ Connect the PA interface box to the AUX port on Avaya B159/B179 with the included cable.
- ⇒ Connect the external amplifier to the RCA connector marked with a speaker.
- ⇒ Connect the microphone mixer to the RCA connector marked with a microphone.



INSTALLATION SETTINGS

- ① Make sure that the latest firmware is installed before using the PA interface box. Please see the user guide for upgrade instructions (support.avaya.com).
Avaya B159 Conference Phone - User Guide (16-603914)
Avaya B179 SIP Conference Phone - User Guide (16-603918)

Changing the auxiliary port setting

- ⇒ Press **MENU** and select **SETTINGS > BASIC > AUX PORT** (Avaya B159: **SETTINGS > AUX PORT**).
- ⇒ Select the **PA** option to activate features for external microphone mixer and PA system.
- ⇒ Press **OK** to confirm.
- ① Do not select the PA option unless a PA system is connected. This option turns off the internal microphone and speakers.

Activating and deactivating of internal microphone and internal speakers

The internal microphone and speakers are turned off by default when the PA box is connected. It is possible to reactivate them if the PA system only is going to be used for loudspeakers.

- ⇒ Press **MENU** and select **SETTINGS > BASIC > PA** (Avaya B159: **SETTINGS > PA**).



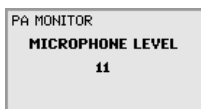
- ⇒ Select **INTERNAL MIC** or **INTERNAL SPKR** and press **OK** to switch between ON (shaded box) and OFF.
- ① To ensure maximum audio quality, do not use internal and external microphones/speakers connected via the PA interface box at the same time.

CALIBRATION SETTINGS

Adjusting microphone volume from the PA system

PA monitor can be used to adjust the microphone level from an external microphone mixer.

- ⇒ Make a call.
- ⇒ Press **MENU** and select **PA > MONITOR**.



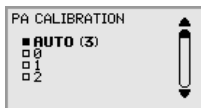
- ⇒ Adjust the microphone level from the mixer so that this level value on the display screen is around 10–12 when speaking in a normal tone of voice.

Adjusting PA calibration manually

If needed it is possible to calibrate the full duplex performance. The calibration value can be set to AUTO or be adjusted manually in steps from 0 to 5 where 0 is the highest grade of duplex.

- Increase the calibration if the remote party experiences disturbing echoes.
- Decrease the calibration if the remote party experiences low duplex, i.e. your voice is muted or clipped when the other party is speaking.
- ① The position of the PA system's microphones and speakers and the amplifier's settings may affect full duplex performance.

- ⇒ Make a call.
- ⇒ Press **MENU** and select **PA > CALIBRATION**.



- ① AUTO is the default setting and is recommended in most cases. The figure shown in brackets is the measured calibration value.
- ⇒ Select different levels and compare the audio quality to achieve your preferred setting.
- ① NB. You must ask the person you are calling to assess the effect of the adjustments you make.