

Audio Assistant

Get in contact with people in need



The Audio Assistant allows a person in need to get in contact with people outside their home, for instance, an Alarm Receiving Center (ARC). The device acts as a speaker phone with additional features, making it suitable for home care and other safety solutions.

The Audio Assistant has a built-in panic button and three additional multi-purpose buttons. The button sends its status to the gateway via Zigbee. Optionally, the Audio Assistant can be delivered with local voice control.

Key features:

- Powered via external power adapter with an optional battery backup (up to 48 hours with 30 minutes call)
- Optional power supply via customized wall bracket
- Connects to the gateway via Zigbee and Bluetooth
- Up to 6 Audio Assistants can be connected to one gateway (of which one can have an active call at a time)
- The voice link can be established by the user or ARC
- Pre-trigger voice recording (10s)

Multiple configuration options

(e.g. no battery, voice controlled alarm, three buttons, alternative design)



AUABT-134
(Standard design)



AUABT-135
White label (MOQ: 3,000)



Custom design example (MOQ: 10,000)

Alarm validation and announcements in care and security solutions

When an alarm is triggered in the home, for example through pressing a panic button or a sensor detecting an absence of activity, an alarm can be sent to an ARC.

Through the Audio Assistant's voice connection, the ARC can validate how urgently help is needed. This way, care personnel is not alerted unnecessarily or an ambulance can be sent urgently if the patient needs help.

Connection to ARC via Squid.link gateway

The connection between the Audio Assistant and the ARC is established via the Squid.link gateway with a care software module and an optional SCAIP or Now-IP software module developed by Onics.

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Technical specifications

Model numbers: AUABT-134 & AUABT-135



General

Dimensions (WxHxD)	105 x 105 x 29 mm
Color	White
Power supply	External adapter 5V DC, USB-C
Power consumption	Typical: 0.08W Max: 0.8W
Standby battery lifetime (optional)	up to 48 hours (replacable)
Radio - Audio (2402 MHz - 2480 MHz)	Sensitivity: - 95dBm, Max. output power: + 13 dBm (BT Class 1)
Radio - Zigbee (2405 MHz - 2480 MHz)	Sensitivity: -100 dBm, Max. output power: EU: +10 dBm
Environment	IP Class: IP20 Operation temperature: 0 – 50°C Battery temperature: 0 – 40°C Relative humidity 10% - 90%, non-condensing

Functionality

Emergency call	Panic button, for emergency calls
Voice	2-way voice, speaker, Frequency range 300-4000 Hz Maximum sound pressure level 82 dBm/1m
Microphone	Sensitivity: - 40 dBV/Pa Actual microphone sensitivity and maximum sound pressure levels are auto adjusted in relation to actual echo cancellation
Pre-triggered voice recordings	10 seconds
Noise-triggered alarms	Auto alarm level: configurable
Local voice control (optional, MOQ: 10,000)	Recognition of 20 local voice commands in 2 language

Communication

Wireless protocol	Zigbee 3.0
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Certifications

Conforming to CE, RED, and RoHS directives, as well as EN safety standards