



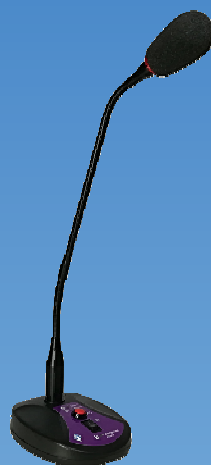
TEMA TELECOMUNICAZIONI

"IP COMMUNICATION AND SECURITY COMPANY"

WWW.TEMATLC.IT

AD696/AA

Microphone Base for PC compatible with ADAM Software



Serie Audio Over IP Network
"SipComStage"

Products for VoIP SIP LAN networking Communications, Paging Amplifiers Systems and Audio Applications. Zone Announcements, Night Ringer, Multicast general call, Background music, Standard SIP call or Emergency call, SD memory with pre-recorded messages, Relays for LAN drives.

PRODUCT MANUAL

Version HW 1.0



| Revision | Date | Revision reason | Prepared | Checked/Approved |
|----------|------------|-----------------|----------|------------------|
| 0 | 01/03/2018 | First release | DP | DP, FL |



DICHIARAZIONE DI CONFORMITÀ CE

DECLARATION OF CONFORMITY CE

We, **TEMA TELECOMUNICAZIONI SRL Via C. Girardengo, 1/4 - 20161 MILANO**

declare under our sole responsibility that the product:

Product name **Base microfonica per annunci per PC**

Trade name **TEMA TELECOMUNICAZIONI Srl**

Type or model **AD696/AA**

and accessories --

to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC, 2006/95/EC, 2004/108/EC).

The product is in conformity with the followings standards and/or other normative documents:

HEALT & SAFETY EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011

EMC EN 55022:2010, EN 55024:2010, EN 61000-3-2:2006
EN 61000-3-3 :2008

MILANO, 27 February 2018

TEMA TELECOMUNICAZIONI SRL
D. Pontillo

I. IMPORTANT INFORMATIONS REGARDING THE RECOVERY AND RECYCLING OF THIS ELECTRONIC DEVICE

The crossed-out wheeled bin symbol below indicates that this electronic equipment is intended to be disposed in a separate collection and not in an unsorted municipal waste, in order to provide for the treatment of WEEE (Waste Electrical and Electronic Equipment) using best available recovery and recycling techniques. Specific treatment for WEEE is indispensable in order to avoid the dispersion of pollutants and other hazardous substances into the waste stream, while recycling leads to reduction of disposal of waste and the negative impacts on environment and human health. That is, priority is given to reuse of WEEE in its components, subassemblies and consumables. As the final holder, the user has an important role in contributing to reuse, recycling and other forms of recovery of WEEE and is responsible to return this waste in the collection facilities set up by EC Member States and to fulfill other duties in compliance with Directive 2002/96/EC and local laws.



TEMA TELECOMUNICAZIONI is a certified company



UNI EN ISO 9001:2015

RECOMMENDATIONS

1. It is recommended to read this entire manual before proceeding to the installation of the device.
2. The installation and commissioning of the device can only be performed by specialized technicians.
3. The device is accurately manufactured and tested. In any case, the product is not recommended for use where an error of operations can cause property damage and/or injury to persons.
4. It is expressly not recommended maintenance inside the device which must be carried out by Tema Telecomunicazioni, the removal of the closures will invalidate the warranty and makes accessible internal parts with risk of electric shock.
5. Tema Telecomunicazioni accepts no responsibility for damage to property and/or persons resulting from incorrect use of the equipment or by procedures that do not comply with the instructions in this manual. Tema Telecomunicazioni reserves the right to make modification to the technical and functional specifications at any time and without any notice.
6. Products powered via PoE (Power over Ethernet) may only be connected with cables coming from the internal network company (inside the building), are not allowed connections LAN cables coming from outside the building.
7. Use for this device only and exclusively original spare parts and consumables supplied by Tema Telecomunicazioni. The company is not responsible for damage caused by the use of materials not supplied by the same.
8. Do not expose the unit to direct sunlight, protect from heat, dust, humidity and chemicals.
9. Tema Telecomunicazioni reserves the right to vary the product characteristics for improvement without prior notice. Check the WWW.TEMATLC.IT website for any updates to the latest firmware, manuals, and technical documentation.
10. This document is property of Tema Telecomunicazioni, It is forbidden any duplication and reproduction, even partial, as well as storage on any medium without written permission of Tema Telecomunicazioni.



This symbol in the descriptions indicates a general warning or a damage danger to equipment or people.



This symbol in the descriptions indicates useful information or a suggestion for the optimization of the device functionality.

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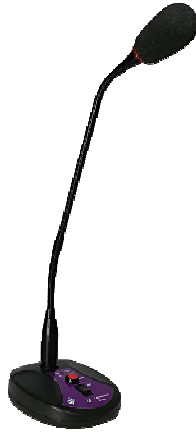
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1. PRESENTATION

The AD696/AA microphone base can be connected to a PC running the ADAM software for the centralized management of Tema IP audio devices.

Through the AD696/AA microphone base enabled by the ADAM software, the announcements can be made on the LAN network in Multicast channels to the network amplifiers or to the AD600 series IP-SIP speakers of the SipComStage line.



The arm, which is flexible at two points, is removable and is fixed to the base with a standard XLR connector.

The cable itself has an XLR connector that ends with a 3.5mm jack to be connected to the microphone port of a generic PC.

Typically used with the ADAM program (**), the AD696/AA base allows to operate in different ways

Standard mode, microphone always open and available to the software to make announcements:

from the microphone page of the ADAM program the microphone is activated to be able to emit the message on the network and simply the voice will be broadcasted on the speakers network. This mode is obtained by leaving the switch on the microphone base always in position "I".

Mode with protected message output, ideal for short messages, microphone available to the software to make announcements but open when the button is pressed on the microphone base:

from the microphone page of the ADAM software the microphone is activated to be able to emit the message on the network but the audio received from the microphone is not diffused on the loudspeaker network until the operator presses and holds the button on the microphone base.

Mode with protected message emission, indicated for announcements or long-term warnings, microphone available to the program to make announcements but open to the command of the switch on the microphone base:

from the microphone page of the ADAM software the microphone is activated to be able to emit the message on the network but the audio received from the microphone is not diffused on the loudspeaker network until the operator moves the switch which is normally kept in position "0" on the "I" position. At the end of the announcement, the switch must be returned to position "0".

For all three modes of use, it is possible to precede the message received by the microphone from a CHIME warning issued automatically by the ADAM software when the microphone is activated.

(** = for the complete functions and details on the use of the software refer to the specific product manual)

VoIP SIP Amplifiers-Speakers Products and Accessories of the AD600 "SipComStage" series

AD630 IP-SIP PoE 25W Horn Speaker with 40W internal amplifier (2x20W) IP65 protection.



AD635 IP-SIP PoE 12W speaker for wall mounting with the possibility of integrating a PoE injector adapter.



AD633 IP-SIP speaker 12W PoE ceiling mount version.



AD633C SIP IP-12W PoE Speaker ceiling mount version with IP54 flameproof cover.



AD634 IP-SIP PoE 20W Sound Projector metal version.



AD610 2X2W PoE IP-SIP Amplifier Module, External Amplifier Adapter with Sound Isolation Transformer. Directly pilot external power amplifiers or 8 Ohm external passive speakers.



AD611 IP-SIP PoE 10W Amplifier Module (2X5W). Directly pilot 8 Ohm external passive speakers.



AD612 IP-SIP PoE 40W (2x20W) Amplifier Module when powered with an external power supply. Directly pilot 8 Ohm external passive speakers.



AD615/S Audio Encoder Module from analog to digital on LAN Network in Multicast/Broadcast Channels.



AD333/12XTP Passive 8 Ohm 12W speaker with anti-flame cover (AD333/12TP without cover), internal transformer for 100V audio line. Ideal for connecting to AD610-611-612 or as 2nd speaker to the AD63x series IP-SIP speakers.



AD335/06TP Passive 8 Ohm 6W speaker with 100V audio line transformer. Ideal for connecting to AD610-611-612 or as 2nd speaker to the AD63x series IP-SIP speakers.



AD330/25T Passive horn speaker 25W 8 ohm with transformer for 100V audio line. Ideal for connecting to the AD610-611-612 modules or as 2nd speaker for AD63x IP-SIP speakers series.



AD330/xx Are available Speakers of different power, Horns and Loudspeakers for flush and ceiling mount.

**AA-39DL**

Plug Power Supply 220Vac/12Vdc-1,0A.

**AA-39D1A**

DIN Power Supply 220Vac/15Vdc-1,0A.

**AA-39P4**

PoE injector 230Vac/48Vdc 0,5A.

**AA-39E3 /-E6V**

DIN Power Supplies 220Vac/24Vdc-1,5A 220Vac/24Vdc-2,5A.



AD301R 30W analog amplifier, 2 channels, Volume-High-Low +/-12dB controls



AD320/30 PA 100V audio line transformer 30W, constant voltage, high efficiency toroidal type with low magnetic flux leakage.



AD32 Isolation transformer, balanced, mixer, attenuator, audio signal filter, low impedance output. Ideal for decoupling devices of audio sources to other amplifiers to eliminate noises.



AA-36 Protected Power Relay Actuator 250Vac/16A/4KVA, command in AC/DC 12V/24V, 1 contact, Led, contacts protected by electric arcs. Ideal for driving loads up to 4.000W.



AA-699xxx Flash lights with Xeon lamp or high brightness LEDs. Ideal to be controlled by the relay of the IP-SIP speakers of the AD630 series or by the IP-SIP amplifier AD610, AD611, AD612 modules, with a call in progress add a light signal to the acoustic signal.



2. TECHNICAL SPECIFICATIONS

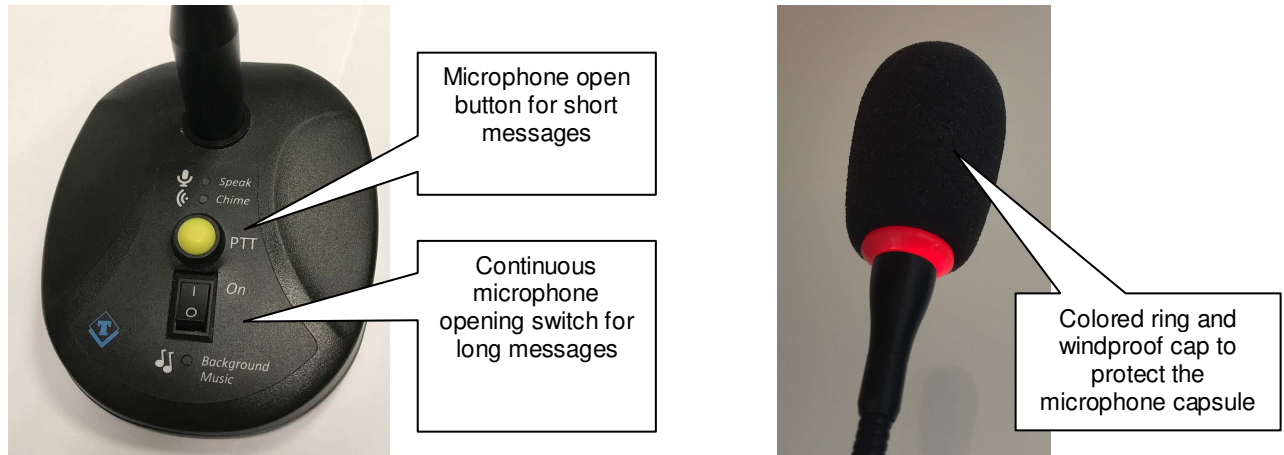
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|-----------------------|---|
| Microphone capsule | Electret condenser |
| Polar diagram | Cardioid |
| Frequency response | 50 ÷ 16.000 Hz |
| Output impedance | 1000 Ohm |
| Sensitivity | -40dB (0dB 1V/Pa @1Khz) |
| Controls | Momentary PTT button, "ALWAYS-ON" switch |
| Arm | Flexible gooseneck in 2 points (removable from the base, inserted on XLR connectors) |
| Arm length | 455mm |
| Body | Shock and handling resistant metal alloy |
| Windproof cap | Black polyurethane foam |
| Power supply | From the microphone port of the sound card to which it is connected |
| Connector/Cable | With XLR connector and 3.5mm jack |
| Operating temperature | -10° ÷ -55°C |
| Storage temperature | -20° ÷ +65°C |
| Umidity | 0-95% non-condensing |
| Dimensions | 113 x 140 x H35 mm (base) + 455 mm (arm) |
| Weight | 0.5 kg cable included |

3. PACKING LIST

The systems are supplied with the parts included in the following list:

- One AD969/AA base with the cable, microphone arm and windproof cap
- A printed system documentation, installation, programming, user manual

4. OPERATION



The operator who has the AD696/AA microphone base at his disposal, to issue an announcement on the speaker network after activating the "Microphone" function on the ADAM software window can:

switch in "I" position On permanently enabled microphone (Recommended with ADAM software)

- Speak immediately afterwards in a clear and calm way to give the announcement

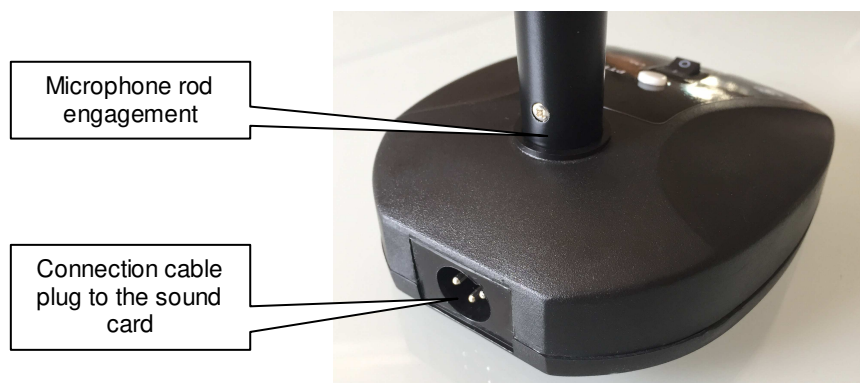
switch in "0" position Off (Microphone not permanently active)

- Press the unstable button for the duration of the announcement

End the activity by deactivating the "Microphone" window of the ADAM software.

5. CONNECTING THE MICROPHONE BASE TO THE PC

Connect the cable with the supplied XLR connector on the back of the microphone base.



The other end of the cable will be connected to the audio system used, typically a sound card inserted into a computer where the ADAM software is running.