

AUDICO AVECG2

AAE 801B

ZONE PAGING CONSOLE FOR AUDICO AVEC G2 SYSTEM



The AAE 801B is a paging console that can be connected to Audico AVEC and AVEC G2 system. It has a gooseneck microphone, which allows you to make an announcement/paging for one of the freely defined programmed paging area. Ideal application for the console is a situation where there are many agents of the paging and they change frequently, for example, information desks. There is only one press button, which allows the paging to be activated and terminated. The button action can be chosen from either the PTT (paging is active when the button is pressed) or TOGGLE (at the push of a button to activate, another push to terminate the paging). There are 4 indicator lights around the switch to indicate the status of the device and the operation status.

The console has a connector for the speaker muting in cases where the console is in the immediate vicinity of the loudspeakers, which needs to be muted to avoid acoustical feedback during paging.

The console can be placed on a table or embed into the table. In addition, the console can be attached to the wall or into the wall enclosure with the brackets that are supplied as an accessory.

The consoles are connected to the Main or Spare bus of the system, or, alternatively, to audio input with dry-contact paging control. The maximum number of devices on the bus is 15, but there is no limit on the number of devices with dry-contact paging control in the system.

FEATURES

Configurable per device features:

- interface bus (System or Local Bus)
- device name
- address 1...15
- priority 1...15
- paging area freely selected from maximum of 512 amplifier channels
- chime tone from the system's audio library
- status polling
- automatic paging termination function for TOGGLE paging when the microphone is not spoken at the set time (VOX function)
- dry contact control during the paging -function from system central

The properties that are defined with the DIP switch on the back of the device:

The DIP switch number:

- 1-4: binary device address 1 ... 15
- 5: Function of the Call Button: Off = PTT, On = TOGGLE
- 6: Off = Normal use (connected to the bus), ON = audio + dry-contact control use



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PAGING

Paging is activated from the Paging button. Action mode is defined with the DIP switch 5. On the PTT mode the paging button is pressed during the whole paging, and the paging is stopped by releasing the button. On the TOGGLE mode the paging is started by pressing the button once and the paging will stop by pressing the button again.

If the paging console has a chime defined this is played before the opening of the microphone. The button lights flash during the chime and lights up constantly when the microphone is open. Speak to the microphone from a distance of 15-25 cm.



If the system has a higher priority paging running and system is reserved, it shall be notified with a few quick light flashes. In this case, wait until the higher priority paging has ended and try again.



TECHNICAL SPECIFICATIONS

Audico type	AAE 801B Audico AVEC Paging and Control Console
Audico code	N62299
EAN code	6430029191443 EAN
Microphone	Electret Microphone, cardioid pattern
Goose neck	220 mm
Frequency response	200-17 000 Hz (HPF) , 50-17 000 Hz -3dB
Power supply	24VDC audio, 12VDC input digital, bus powered. In the special case local power supply 12VDC/0, 5A
Connections:	RJ-45 Main Bus RJ-45 Spare Bus 3-pole removable screw terminal max. Ø 0.75 mm ²
Operating temperature	-15 ... 55°C
Humidity	20% ... 90% no condensation
Weight	0.47 kg
Packaging	0.41 x 0.16 x 0.18 m
Package volume	0.0012 m ³

INSTALLATION AND START-UP

1. Connection of the console

The rear panel of the device has two RJ45 bus terminals, each of which can be used to connect the device to the system bus. The device will first try to get status information from the MAIN bus and if it does not, it will make status query from the SPARE bus. The device will use the bus, it receives approved response of the status query.

Cabling between the console and the central unit is according to TIA-586B. The coupling must be checked prior to the start-up of the device. *Please note! Incorrect coupling can break the device!*

1	Audio +		P2
2	Audio -		P2
3	Audio GND		P3
4	Digital GND		P1
5	Digital +12V		P1
6	Analog +24V		P3
7	Data (A)		P4
8	Data (B)		P4

2. Address setting

The address of the device is set with DIP switches 1 ... 4 in binary form (the address needs to be set in accordance with the Aveclizer definitions):

address	DIP SWITCHES					
	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Please note! Make sure that the addresses are correct and that two devices in the system does not have the same address!

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3. The definition of the behaviour of the device

The DIP switch number:

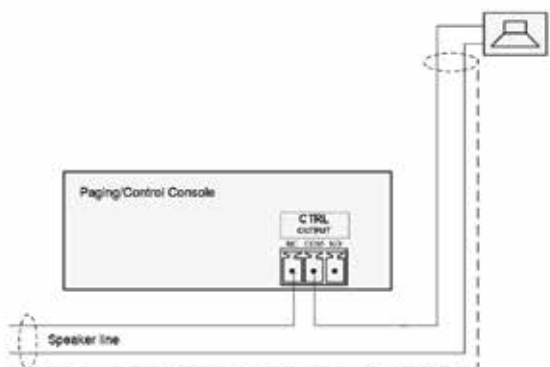
- 5: Function of the Call Button: Off = PTT, On = TOGGLE
- 6: Off = interface bus, ON = dry-contact control

PTT function applies to sites where paging times are short, or where you want to make sure that the console is not left accidentally to paging state. The TOGGLE function applies to sites where paging times are longer, and / or hands needs to be free during paging.

Please note! If the operating mode of the console is the dry-contact control, the console must be connected according to the separate instructions accompanied the system delivery!

4. Connection of the muting relay

If any of the system speakers are located near the paging console, the other wire of the speakers needs to be wired through the console muting relay (see the picture).



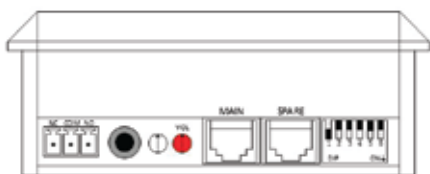
5. Device boot sequence

When the device starts, the green lights on the paging button flash until the device receives status information from the central unit. After this the lights go out.



6. Volume control

The sound output level can be adjusted per device with the trimming potentiometer located in the rear panel of the device. Please note! Use a suitable small flat or cross head screwdriver. Suitable sizes are: cross head: #00 or #0, Flat head, 1.4-1.8 mm.



TROUBLESHOOTING

The device flashes status lights and does not progress

- make sure that the address of the device is set correctly
- make sure that the console is programmed into the system (with Aveclizer)
- try to connect to the SPARE bus connector

The chime is heard normally, but the paging sounds too quiet or too loud

- Adjust the volume to the correct level with the trimming potentiometer
- If the volume is still too low, check the network audio pair (white-orange, orange) coupling

Console's is behaving slow and/or vague

- make sure that the system does not have two of the same type devices with the same address

CONTENT DELIVERY

- user manual
- 3 m CAT6 cable
- 3-piece removable screw connector for the relay terminals
- microphone windscreen

ACCESSORIES

- AAE 808 wall bracket pair, Audico code N12851
- TMT040, XLR4(M) connection box for muting connector, Audico code N10481
- Connection cable for AAE-series: Paging console - TMT040 connection box, Audico code N10330



Standards

The product is RoHS-compliant, it is tested and approved by SGS Fimko for all relevant safety and electromagnetic compatibility standards (EMC). Product recycling according to WEEE regulations.



Audico Technology Oy
Rautatehtaankatu 22, 20200 Turku, FINLAND
tel: +358 (0)20 747 9340 | info@audico.fi | www.audico.fi