AUDICO AVEC G2

AAI 800

TEHTY SUOMESSA
MADE IN FINLAND

INPUT / CONTROL DEVICE

85x85 mm, installation depth 20mm
The adjusting plate and frame are not inclded.

The AAI 800 device is used for connecting and routing of a local sound source. With the three buttons on the panel preset settings of the system can be chosen. The panel also has a 3,5mm stereo plug with local volume control. The circuit board also has additional connectors for connecting XLR plug. The properties of the panel are defined with the Avec configuration software.
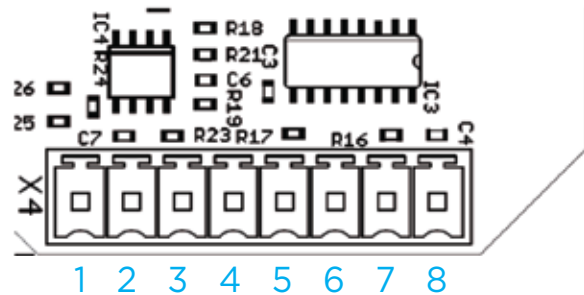
The panel is connected to the ADA 8x8 central unit with CAT 5/6/7 cable to the local or system bus. No other active devices or swithers can be connected to the bus lane. Each panel has its own address set with the DIP switches. The panel gets its power from the central unit.

MOUNTING INSTRUCTIONS

The device fits into a Finnish standard size mounting box. The delivery does not include the adjusting plate or the frame. Suitable adjusting plates are for example: Schneider Electric 70X70mm KL 48X48 mm:lle VA, electrical number: 21 605 05 or ABB, Jussi, 48x48, electrical number: 21 660 10. Screw the AAI 800 device with its fastening plate to the wall box. Connect the front panel to 8-pin connector on the AAI 800. Note! Disconnect the device from AAE bus and make sure that fron panel connector is correctly connected before reconnection to bus. Place the 48x48mm adjusting plate and the case frame (not included) on top of another and thread the centre plate from below through the adjusting plate. Press the centre plate into the sinking of the adjusting plate in a way that the clips on the upper and lower edge will lock to the fastening plate.

BUS CONNECTION

AAI 800 is connected to bus with CAT5/CAT6 cabel and TIA586B standard connection.

The following table describes pin order:

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

Data bus can be continued in connector X4 by connecting incoming and outgoing cable together.

RESET SEQUENCE

On power-up the three led on the front panel indicate the function of the system in the following way: After power-up the leds 1-3 glow in sequence and are switched off when the device gets its status data from the central unit (ADA 8x8). The device is now ready for operation. In case leds 1-3 blink in sequence the device has not been defined by Audico Avec software (check the device address).

SETTING OF PHANTOM VOLTAGE AND TERMINATION RESISTOR

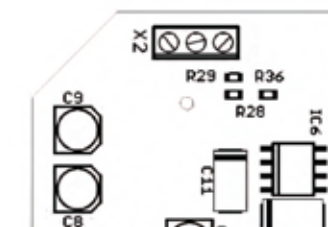DIP switch 6 activates phantom-power (+24VDC) to MIC input for condensator microphone use.

0	Phantom voltage not active
1	Phantom voltage active

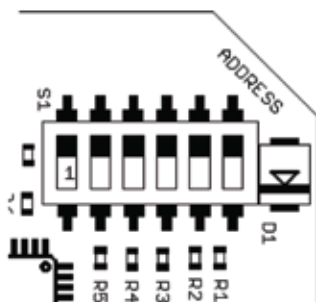## AUDICO TECHNOLOGY

AAI 800

MICROPHONE CONNECTORS

On the front panel of the device there is a 3,5mm jack connector for audio source. Also an external connector can be attached to the device. Connector X2 on the AAI 800 is used for external connection.

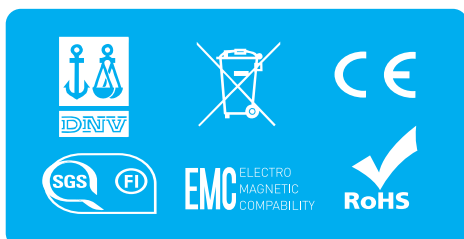|	
1	GND
2	AUDIO +
3	AUDIO -

ADDRESS SETTING

Set the device address using switch S1 according to the following table

Address	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	1	1	0	0
4	0	0	1	0
5	1	0	1	0
6	0	1	1	0
7	1	1	1	0
8	0	0	0	1
9	1	0	0	1
10	0	1	0	1
11	1	1	0	1
12	0	0	1	1
13	1	0	1	1
14	0	1	1	1
15	1	1	1	1
16	0	0	0	0

The product is Rohs-compliant, it is tested and approved by SGS Fimko for all relevant safety and electromagnetic compatibility standards (EMC).

DEVICE FUNCTIONS

AAI 800 device can execute several kinds of functions:
- local paging
- message paging
- ADA 8x8 control output function
- change ADA 8x8 Preset
- call off for paging area

Function buttons are programmed with Audico Avec configuration software.

LOCAL PAGING

Connect a microphone or other audio source to MIC/LINE jack connector (3,5mm) and press programmed function button to activate a local paging to the pre-defined area. If a chime is defined, the led on button will blink rapidly during the chime. When the led is switched on the audio channel is activated. The outgoing signal level can be altered with trimmer above the MIC/LINE connector. Paging will terminate and the led is switched off when the paging button is pressed again.

MESSAGE PAGING

A single or continuous message paging can be activated to a pre-defined area. If a chime is defined, the led on button will blink rapidly during the chime. During the message led blinks slowly. The single message will terminate automatically. Continuous message needs to be stopped manually by another press of button.

REMOTE CONTROL

A remote control of ADA 8x8 control outputs can be made as a toggle (ON/OFF) operation or 1-20s pulse. Led is turned on when control output is activated.

CHANGING THE ADA 8x8 PRESETS

Preset states of ADA 8x8 units on the system can be changed with AAI 800 device. For example activating the audico inputs, changing the output levels etc. The led blinks once when the operation has been executed.

CALL OFF

Paging can be forbidden temporary for certain areas. Led is on when call off is activated.

AAI INPUT / CONTROL DEVICE
Audico code N12845
Electrical number 7931107
EAN code 6430029190071