

Preamplifier, 8-gang

0530 00

GIRA

Functional description

The 8-gang preamplifier amplifies the audio signals of 8 sources, e.g. a tuner, CD player etc., to an output voltage of 5 V AC.

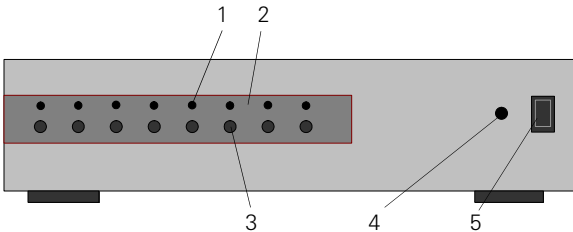
As a result, it is the suitable input component for the other Gira components of the EIB audio system, such as the output amplifier 10/4 DC and the 4-gang audio actuator.

The outputs of the preamplifier are connected to the inputs of the 4-gang audio actuator.

Channel 8 can also be switched over to a microphone input with a slider switch on the back. This also enables announcements to be made easily.

An additional switching input permits the connection of the microphone to channel 1 and the switching off of Line Input 1 during the announcement.

Operating elements on front panel



1 Clipping indicator

2 Removable front cover

3 Level setter

4 Power indicator

5 On/Off switch

Setting output level

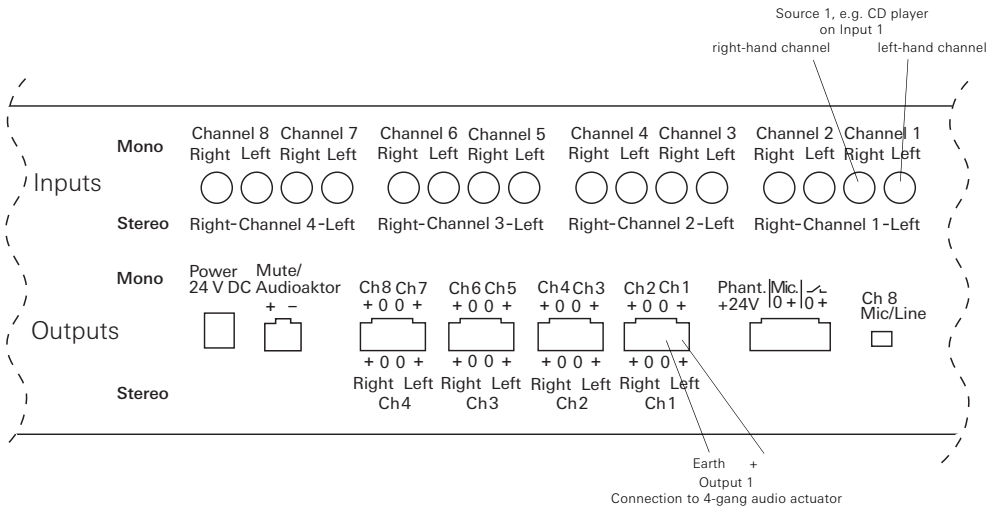
Various sources can be adjusted to the same output level with the level setter on the front panel.

A clipping indicator for each channel simplifies the correct setting. If the threshold of 5 VAC is exceeded (clipping), the display colour changes from green to red. In this case the output level must be reduced with the level setter until the LED turns green again.

Connection assignment for mono mode

In the mono mode up to 8 sources can be connected to the preamplifier.

In the following example the connection of a source is shown in the mono mode.



Channel 1 - Channel 8 Left/Right

Chinch inputs for the audio sources, e.g. CD player, tuner. In the mono mode up to 8 sources can be connected.

Power 24 V DC

Power supply for the preamplifier. Connection socket for the power supply unit provided.

Mute/Audioaktor

The mute switching output can be connected to the "Mute" input of the 4-gang audio actuator.

If this output is switched, disturbing pulses are suppressed, which can result from switching off the preamplifier and the related switching off of the "switched outputs" of the audio actuator.

This use of this function is not necessary if the preamplifier is used constantly.

Ch 1 - Ch 8 +/0

Audio outputs for connection to the 4-gang audio actuator.

Phant. +24 V

The phantom voltage is only required for the connection of certain microphone types.

Mic. 0/+

Microphone input for connection of a microphone.

0/+

The switching input permits the connection of a microphone to channel 1 and the switching off of Line Input 1 during the announcement.

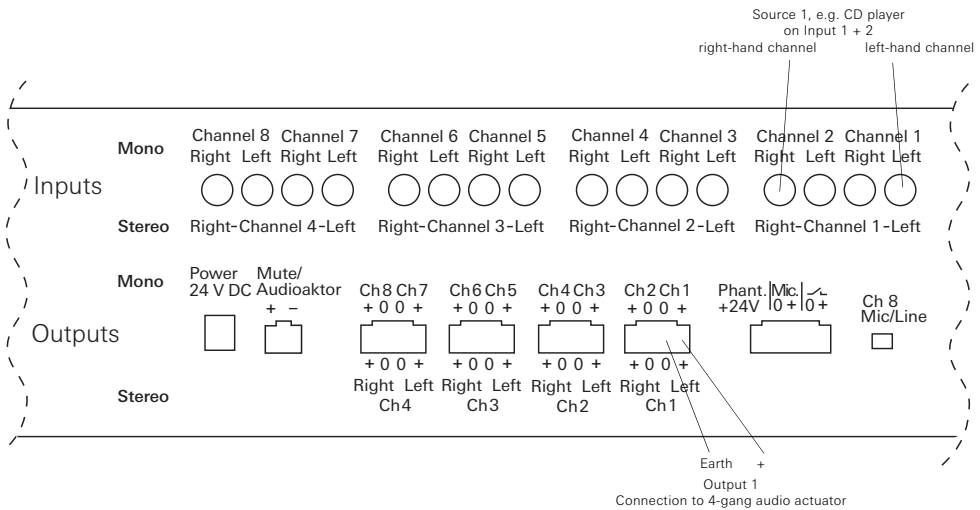
Ch 8 Mic/Line

The changeover switch (Microphone - Line) switches the input of Channel 8 to Microphone or Line. The switch is set to Line at the factory.

Output assignment for stereo mode

In the stereo mode up to 4 sources can be connected to the preamplifier.

In the following example the connection of a source is shown in the stereo mode.



Channel 1 - Channel 4 Left/Right

Chinch inputs for the audio sources, e.g. CD player, tuner. In the stereo mode up to 4 sources can be connected.

Power 24 V DC

Power supply for the preamplifier. Connection socket for the power supply unit provided.

Mute/Audioaktor

The mute switching output can be connected to the "Mute" input of the 4-gang audio actuator.

If this output is switched, disturbing pulses are suppressed, which can result from switching off the preamplifier and the related switching off of the "switched outputs" of the audio actuator.

This use of this function is not necessary if the preamplifier is used constantly.

Ch1 - Ch 4 Left/Right

Audio outputs for connection to the 4-gang audio actuator.

Phant. +24 V

The phantom voltage is only required for the connection of certain microphone types.

Mic. 0/+

Microphone input for connection of a microphone.

0/+

The switching input permits the connection of a microphone to channel 1 and the switching off of Line Input 1 during the announcement.

Ch 8 Mic/Line

The changeover switch (Microphone - Line) switches the input of Channel 8 to Microphone or Line. The switch is set to Line at the factory.

Technical data

Operating voltage:	24 V DC	Mute switching output:	5 to 12 V DC
Power consumption:	4 W max.	Phantom voltage:	23 V DC
LINE input voltage:	0.4 V AC		
MIC input voltage:	4 mV AC	Housing:	Metal housing
Control range:	approx. 60 dB	Dimensions	
LINE input impedance:	47 k Ω	(approx. W x H x D):	430x103x290 mm
MIC input impedance:	4.7 k Ω	Weight:	3.8 kg
Output voltage:	5 V AC		
Output impedance:	50 Ω	Plug-in power supply unit:	
Frequency range (-1.5 dB):		Input voltage:	90 to 264 V AC
MIC:	30 Hz to 16 KHz	Output voltage:	24 V DC
LINE:	30 Hz to 20 KHz	Output current:	0.5 A
Total harmonic distortion:	less than 0.1 %	Temperature range:	0 °C to 40 °C
Microphone switching relay:	24 V DC/8.5 mA		

Warranty

We provide a warranty in accordance with the statutory requirements.

Please send the device postage paid with an error description to our central customer service centre.

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