

Audionet

PRE G2

Reference Pre - Amplifier

Owner's Manual

How to operate the Audionet PRE G2

Audionets PRE G2 is a high performance audio pre-amplifier. This system is designed for absolutely natural music reproduction and for highest user comfort.

The following will give you all information about how to operate your PRE G2. Please read this carefully before the first use. Following these instructions, your PRE G2 will give you long-lasting pleasure and satisfaction.

Connecting the system

Power supply Please connect the power jack (1) at the rear with your wall outlet (Please refer to page 11). Use the provided power cable or another one allowed for your home country specifications.

NOTE:

The power specifications (2) on the rear must meet to your home country specifications.

The mains-button (3) at rear must be switched off.

Audio sources PRE G2 is a very sensitive system. Please ensure that all used connector cables are in absolutely best condition.

For connecting or removing audio sources, PRE G2 has to be switched off (stand-by state) or should be muted.

Inputs PRE G2 has one balanced and five unbalanced high level inputs (4). Due to the dual mono construction, left and right inputs are separated at the rear. Please connect left and right inputs to the corresponding outputs of the designated high-level sources, like CD-player, D/A-converter,...

Outputs PRE G2 has two balanced as well as one line and one inverted unbalanced outputs (5) for connecting power-amplifiers.

Please connect left and right channel to the corresponding inputs of your power-amplifier. If bi-amping is desired, please use the two balanced or the line and the inverted outputs. In the second case, you have to change the loudspeaker polarity of the one amplifier, that is connected to the inverted PRE G2-outputs (change plus to minus and minus to plus). If you are not sure, your dealer will help you.

Recording systems

To prevent any negative influence on the signal, PRE G2 has no regular tape monitor loop or a rec out selector.

For recording please connect the inputs of your recording system, like DAT or tape-deck with the monitor outputs (6) of PRE G2. When the recorder is connected to the monitor outputs, for playing back you must use inputs No. 6 of the PRE G2.

When input No. 6 is selected and active, the monitor outputs are always switched off. This is necessary to prevent destructive oscillation of PRE G2 and recorder. Therefore Input No. 6 can not be used for a signal source, which should be recorded.

When inputs No. 1 to 5 are selected, the monitor outputs are always on. You are free to use these inputs for playback, when the recorder is not connected to the monitor outputs or the recorder inputs are connected elsewhere.

Audionet-link

In combination with other Audionet products the PRE G2 can switch on and off the whole system. Please connect the Audionet link (7) on the rear with a Toslink optical fibre cable to the Audionet link of other Audionet products.

Switching on and off the mains

PRE G2 is designed as a stand-by unit. To bring PRE G2 into the stand-by state, please press the mains power switch (4) on the rear. PRE G2 will be in the stand-by state displaying "Audionet".

To switch off the mains is only necessary in cases of longer absence like holidays. For switching off please press again the mains power switch on the rear. Looking from above, the switch now shows you a "0" and the display turns off.

Operating the system

All functions of the PRE G2 are completely microprocessor controlled. This guarantees highest precision, exclusive functions, easy operation and protection against operational faults.

Switching on and off in the stand by state

For switching PRE G2 on, please press the **power** button at the front panel. PRE G2 needs 5 sec. for waking up and then works. PRE G2 will come up softly.

To switch the PRE G2 off, please press the power button again and the PRE G2 needs 5 sec. for going to sleep and then will remember all your latest settings.

When switching on and off at the front panel or with the remote control you do not have to care about your other systems.

Setting the volume level

To set the desired volume, please turn the magnetic buffered **volume** knob at the front panel. This is an incremental impulse unit without a stop.

Please turn clockwise if higher and counter clockwise if lower volume is desired.

PRE G2 shows you the master volume with a range from -80 dB to +10 dB in the display. This are real 1 dB-steps relatively to the input signal. To adjust the volume-offset, please read „programming“ (page 7).

Selecting the inputs

PRE G2 has a soft input select function. Please press the **input** button at the front panel to select one of the six inputs by turning the **volume** knob. When changing the input, PRE G2 regulates volume down to -80 dB, mutes the outputs, switches the inputs, activates the outputs and finally regulates volume up to the level before.

Muting

PRE G2 has a soft mute function. If desired or necessary to mute the signal, please press the **mute** button at the front panel.

When muting, PRE regulates volume down to -80 dB and then switches off the outputs. If you press the mute button again, PRE activates the outputs and regulates the volume up to the level before.

If you change the inputs in the muted state, please press the mute button again as before. In this case the volume level will stay at -80 dB. Now you have to set the volume with the volume knob. This is provided to protect you from unexpected levels of signal-sources, which may be much louder as the one before.

Programming

PRE G2 is programmable for functions providing you with new and easy possibilities to adjust the system to your needs. All individual settings will be remembered, also when PRE G2 will be switched off the mains.

You can programme the following:

- The balance can be adjusted due to individual conditions
- Inputs, which usually have different signal level, can be adjusted to the same volume
- Inputs can be given an individual name, e.g. "CD1", "CD2", "Darling" etc.

Display The two line alphanumeric display will give you all information you need about settings:

- First line: channel, given name of the channel
- Second line: master volume level, programmed volume level offset

For selecting the function, which should be programmed, please press the **set** button at the front panel.

Balance For programming, please do the following:

1. Push the set button once for a short time.
2. Turning the volume knob clockwise decreases the level of the left channel, turning counter clockwise will decrease the right channel's level.
The level of every channel can be decreased up to 9 dB. The setting is displayed numerically and by arrows.
3. Push the set button five times to leave the programming menu or once for 'volume offset' and continue with step 3 of the following

Volume offset

1. Select the channel to be adjusted
2. Push the set button twice for a short time. The display shows you a flashing character on the display at "programmed level offset"
3. Turn the volume knob to adjust the desired level. This is possible within a range of +/- 6 dB to the master volume
4. Push the set button four times to exit or once for 'name programming' and proceed with step 3 of the following

Name programming

1. Select the channel to be given a new name
2. Push the set button three short times. You will see a cursor under the first character of the name
3. Turn the volume knob and set the first character, number or sign, which is required for name
4. Push the mute button once. The display now shows the cursor under the second character
5. Turn the volume knob as described in step 3 ...and so on. All in all you can set 10 characters
6. Push the set button three times to exit or once for changing the 'input sequence'. If so, proceed with step 3 of the following.

DC Servo

1. Select the channel, in which the DC Servo has got to be active.
2. Push the set button four short times
3. Turn the volume knob to the right to activate and to the left to deactivate the DC Servo.
4. Push the set button twice to exit. If the DC Servo is active on the current input you will see a small star at the upper right corner of the display.

Choose stand-by text

1. Push the set button five short times
2. Turn the volume knob to select stand-by text between “AUDIONET” and “//”.

The chosen text will be displayed when the PRE G2 is in stand-by mode.

Note:

If no changes are made for about 10 seconds, the PRE G2 will automatically exit the programming menu.

Dimming the display

The display can show you its information with five states of brightness: from 100% to off in five steps. To set this please push the set-button for longer than two seconds and then you can adjust the brightness with the volume knob.

Nevertheless, in the display off-state the following is shown

- the mute-state
- changing the inputs (for a few seconds)
- all programming works

WARNING:

Long term usage of the display set to maximum brightness (setting 100%) may cause extended signs of wear resulting in a decay of contrast or brightness of individual dots in the display. Do not use the display with a brightness set higher than the factory default setting of 50% over a longer period of time

Using the remote control

All functions of the PRE G2 can be operated by Audionets remote control in the same way as described for the front panel.

Please push the corresponding buttons of the remote control unit. Using the remote control the inputs can be directly selected. For setting the volume level, please push + or - of the remote control volume button pair.

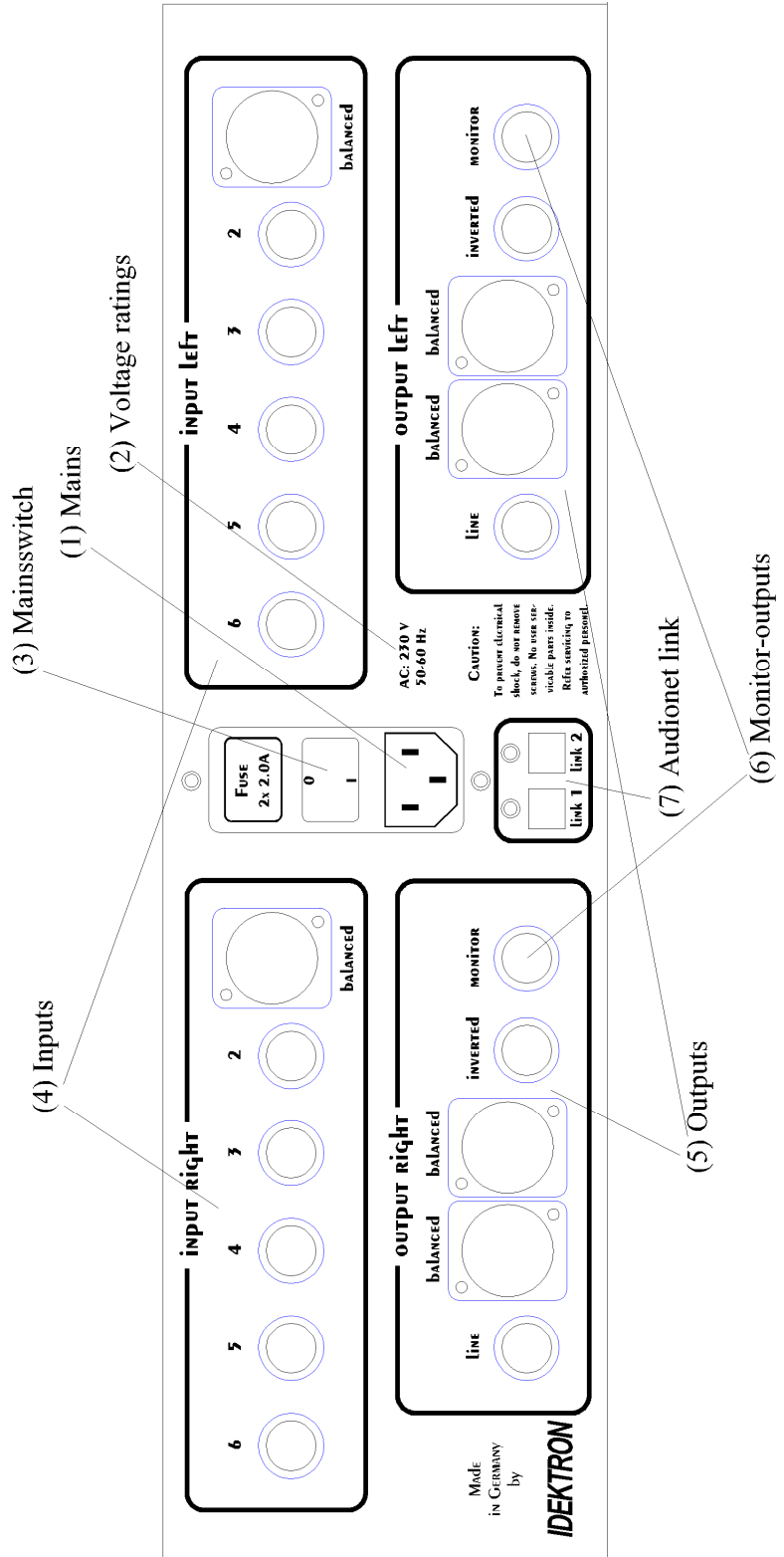
Additional Ground

In addition to the Audionet Power Cord you will find in the packing there is a green/yellow ground cord for additional grounding the preamplifier. This cord should be screwed tight to the gold plated ground socket at the back of the PRE G2 and then plugged in the wall outlet.

We hardly recommend the use of the additional ground cord because of the positive influence to the sound of the whole signal chain.

Rearview

Rear : Audionet PRE G2



Precautions

- Avoid packaging material, especially plastic bags, to come into children's hands.

- Store and operate the unit in a dry room at a reasonable room temperature

- Avoid moisture or any liquid to get into the unit

- Set up the unit in a free position so that the air is allowed to flow through the unit slits,

- **Do not cover**, e.g. with a blanket

- **Do not open** the case. Unauthorised opening will cause loss of guarantee.

- Use a dry cloth for cleaning

Technical Data

Funktion	microprocessor controlled preamplifiersystem
Frequency response	0 - 2.000.000 Hz (-3 dB) 2 - 2.000.000 Hz (-3 dB) with DC-Servo
THD	> 107 dB from 20 Hz to 20 kHz > 116 dB at 1 kHz
SNR	> 108 dB at 2 V _{eff}
Input impedance	47 kOhm , 22pF
Output impedance	22 Ohm
Output current	max 60 mA
Inputs	5 RCA in (gold plated) 1 Balanced in (Neutrik XLR) (1: GND, 2: Pos, 3: Neg)
Outputs	1 RCA out (gold plated) 1 RCA out inverted (gold plated) 2 Balanced out (Neutrik XLR) (1: GND, 2: Pos, 3: Neg) 1 RCA out monitor (gold plated)
Power supply	230 V, 50 Hz
Power consumption	5 VA Stand by max 70 VA
Dimensions	430 mm * 125 mm * 420 mm (w * d * h)
Weight	18kg
Top	brushed aluminium, available in black
Chassis	steel, black coated
Front	brushed aluminium, available in black or silver
	Subject to modification

Engineered and produced by:
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