How to operate the Audionet PRE I

Your Audionet PRE I is a high performance audio pre-amplifier. This system is designed for absolute natural music reproduction and for highest user comfort.

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

I)   Connecting the system

Power supply

Please connect the power jack (1) at the rear with your wall outlet (Please refer to page 7). Use the provided power cable or another one allowed for your homecountry specifications.

NOTE:
The power specifications (2) on the rear must meet to your homecountry specifications.
The mains-button (3) at rear must be switched off. The PRE I is a Class I system and must be earthed. Please ensure that the earth-connection is in best condition. For best performance connect the hot wire seeing from the front with the left pin.

Audio sources

The Audionet PRE I is a very sensitive system. Please ensure that all used connector cables are in absolutely best condition.
For connecting or removing audio sources, PRE I has to be switched off (stand by-state) or must be muted.

Inputs

The Audionet PRE I has one balanced and six unbalanced high level RCA inputs (4). Additionally, a true monitor loop is available. Please connect left and right inputs to the corresponding outputs of the designated high-level source.

Outputs

The Audionet PRE I has two unbalanced outputs (5) for connecting power-amplifiers.
Please connect left and right outputs to the corresponding inputs of your power amplifier. All in all you can connect two stereo or four mono power-amplifiers. Therefore bi-amping is easily possible. If you are unsure, your dealer will help you.

recording systems	Three recording systems can be connected at the same time to PRE I for recording and playing back simultaneously. For recording please connect the inputs of your recording system, like DAT or tape deck with the **rec** outputs five and/or six (6) of your PRE I. Every time when the recorder is connected to the rec outputs, please use the inputs No.5 and/or 6 for playing back. When input No.5 or 6 is selected, the corresponding rec outputs will be muted. This is necessary to prevent destructive oscillation of the pre amplifier and the recorder. Therefore every signal source, which should be recorded has to be connected to the remaining inputs. Your PRE I is fitted with a monitor loop. This enables your to listen to the recorder without interrupting the signal source being recorded. To use this feature please connect the inputs and outputs of the recorder with the corresponding monitor output and input (7) of your PRE I. Your PRE I can be equipped with an optional phono preamplifier. For connecting a record player please use the input 7 in this case.
Audionet-link	In combination with the Audionet AMP I and/or DAC the PRE I can switch on and off the whole system. Please connect the Audionet link (8) on the rear with a Toslink optical fibre cable to the Audionet link of AMP I and/or DAC.

II) Switching on and off the mains

Your PRE I is designed as a stand-by unit. To bring your PRE I into the stand-by state, please press the mains power switch (3) on the rear. The PRE I will come up in the stand-by state displaying „Audionet". Then, the PRE I will start automatically with your latest settings.

Switching off the mains at the rear is only necessary in cases of longer absence like holidays. In this case, 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.

For regular use, simply touch the **power** key on the front panel or the optional remote control.

NOTE:
All systems connected with the outputs must be off and powered down when PRE I is to be switched on or off the mains at the rear.

III) Operating the system

All functions of your PRE I 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 your PRE I on, please press the **power** button at the front panel. The PRE I needs 5 seconds for waking up and then works. PRE I will come up softly.

To switch the PRE I off, please press the **power** button again and the PRE I needs 5 seconds again for going to sleep storing 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 **volume** knob at the front panel. This is an incremental impulse unit without a stop.
Please turn clockwise if higher and counterclockwise if lower volume is desired.
The PRE I shows you the master volume with a range from 0 to 64. This corresponds to -70 dB to +10 dB in 64 steps relatively to the input signal. To adjust the volume offset for each separate channel, please read „programming" below.

Selecting the inputs

Your PRE I has a soft input select function. Please turn the **input** button at the front panel to select one of the seven inputs. The PRE I sequentially selects the inputs from No. 1 to No. 7. When changing the input, the PRE I regulates the volume down to -70 dB, mutes the outputs, switches the inputs, activates the outputs and finally regulates volume up to the level before.

Monitor

To activate the monitor input please push the **monitor/set** button for a short time. The originally selected input remains active for recording. This input can be chanced during the monitor loop is activated, of course. To come back to the standard input simply press the described button a second time.

Programming

Your PRE I 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 I will be switched off the mains or transported.

You can program the following:

* The balance can be adjusted to individual preferences

* Inputs, which usually have different signal level, can be adjusted to the same volume

3

＊ Inputs can be given an individual name out of a selection list.

Display   The alphanumeric display will give you all information you need about your individual settings:

＊ Channel, given name of the channel, master volume level, programmed volume level offset

The programming ignition sequence is entered pressing the **monitor/set** button longer than one second.

For programming, please do the following:

Balance   1) Push the **monitor/set** button once for at least one second.

2) Now you are enabled to adjust the stereo balance of your system. Turning the volume knob clockwise decreases the level of the left channel, turning counterclockwise will decrease the right channel's level.
The level of every stereo channel can be decreased up to 9 * 1.25 dB. The setting is displayed numerically and a hyphen.

3) To leave the programming mode, push the **monitor/set** a short time. Alternatively you can proceed adjusting to the next step with another long keypress (go on with (3) in this case):

Volume offset   1) Select the channel to be adjusted

2) Push the set button twice for longer than one second. The display shows you the channel number and „offset".

3) Turn the volume knob to adjust the desired channel level. This is possible within a range of +/- 9 * 1.25 dB to the master volume

4) To leave the programming mode, push the **monitor/set** a short time. Alternatively you can proceed adjusting to the next step with another long keypress (go on with (3) in this case):

Name programming   1) Select the channel to be given a new name

2) Push the set button twice for at least one second. The display changes to „Text" adjustment.

3) Turn the volume knob to select one of the provided names. Find your preferred name from the following list: SYM, CD, CD, DAT, DAT2, TAPE, TAPE2, CASS, CASS2, MD, MD2, BAND, BAND2, VCR, VCR2, TapeMon, Monitor, TUNER, DSR, DAB, PHONO, TV, COMP, PC, AUX, AUX1, AUX2, AUX3.

4) Push the set button once again to finish programming.

Note:
If no changes are made for 10 seconds, your PRE I will automatically exit the programming menu.

IV) Using the remote control

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

For setting the volume level, please push + or - of the remote control volume button pair. The button **mon** corresponds to **monitor/set** button: push short for selecting the monitor loop; push long for selecting the programming functions.

Using the remote control the inputs can be selected directly. Please push the button **6/7** to select the inputs six and seven: push short to select the input six and long to call the input seven.

Additionally, the following functions are possible:

PRE I has a soft mute function. If desired to mute PRE I; please press the **mute** button on the remote control. When muting, PRE I regulates volume down to -70 dB and then switches off the outputs. If you press the mute button again, PRE I activates the outputs and returns to the volume before.
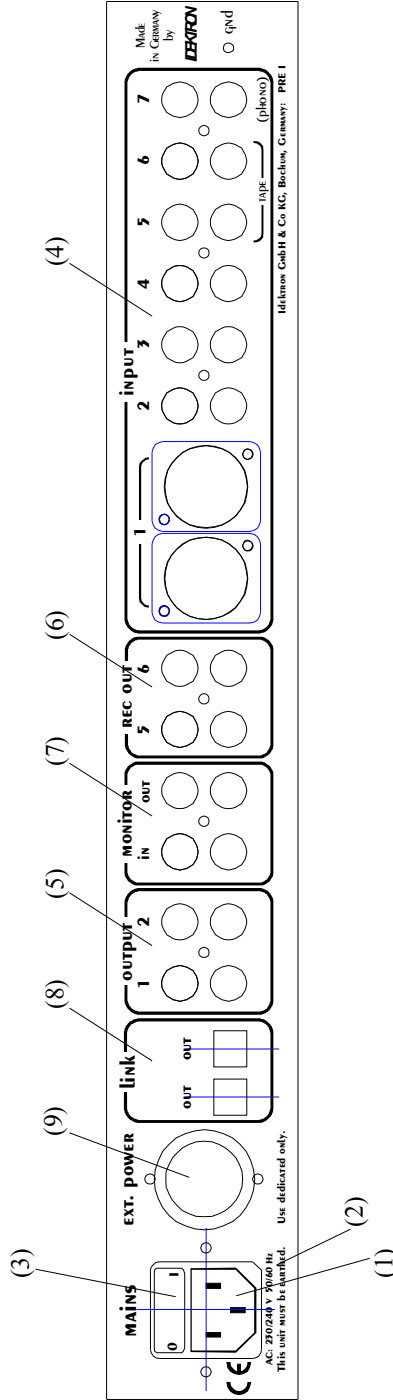
The display can show you its information with three levels of brightness: Bright, normal and off. Push the **dim** button to toggle through these three modes.

Even in display-off-mode major operations are shown:

∗ the mute-state

∗ changing the inputs (displayed for about one second)

V) Rear View

Back Panel PRE 1

VI) Technical information

Fundamentals

The circuit is constructed implying the shortest possible signal paths to ensure best high frequency characteristics. The ground is focused in one centre point. All construction is optimized in capacity and inductive manner.

The system is supervised and controlled by a powerful microprocessor. The digital section is fully separated and shielded from the analogue.

Power-supply

The power supply is provided by a 50 VA encapsulated toroid transformer. The filter capacity is as large as 40 000 µF. All supply voltages are cleaned twice, by pre voltage regulators and local voltage regulators.

circuit

All amplifiers are optimized using the most modern discrete circuitry. The volume is regulated by a precision resistor network instead of a simple and fault susceptible potentiometer.

A 16-character alphanumeric display informs about the operational state.

data

function	microprocessor controlled preamplifier
bandwidth	1 - 2,000,000 Hz ($\pm$ 3 dB)
	10 - 200,000 Hz ($\pm$ 0.1 dB)
THD	> 105 dB (20 Hz to 20 kHz)
SNR	> 107 dB for 2 V_{RMS}
SNR (A)	> 110 dB for 2 V_{RMS}
crosstalk	
stereo	>63 dB at 20 kHz
btw. inputs	>100 dB at 20 kHz
source/monitor	>100 dB at 20 kHz
volume linearity	typ. 0.03 dB
output impedance	22 ohms
output voltage	max. 9.3 V_{RMS}
output current	max. 50 mA
inputs	6 high level RCA inputs (gold plated)
	1 balanced XLR input (gold plated)
	1 RCA monitor (gold plated)
outputs	2 line out RCA outputs (gold plated)
	2 rec out RCA outputs (gold plated)
	1 RCA monitor output (gold plated)
mains	110 - 120 V, 50 - 60 Hz
power consumption	2 VA Stand by; max. 14 VA
dimensions	430 mm * 63 mm * 310 mm (w * h * d)
weight	6 kg
finish	front: brushed black aluminium, white printing
	top: black microlized aluminium
optional	front: brushed nature aluminium, printing: black
options	remote control, phono MM/MC preamplifier, external power supply
	Subject to modification

VII) Security advice

* 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