Advantage through intelligent conception.

Technical details:

RON
(Resistor Optimized Network)

The very heart of the new **purist pre** is a newly developed passive volume control circuit. It consists of one of the highest precision switched damping network, featuring a very low and constant output impedance in together with a minimum of parts count. These are the qualifications common volume control circuits do not fulfill. Top grade reproduction as such is impossible.

RON achieves a *constant output resistance* scaling over *100 precise 1dB-steps*. Common solutions fail in the uniformity of the output impedance or allocate just a very reduced number of volume steps or raises the parts count raises considerably.

For the **purist pre**, we use extremly tight tolerated non-magnetic, induction- and noise-free resistors. They represent the culmination of current resistor technology.

The *"O"* in *RON* stands for optimized. Truly optimized one could say, because only very few resistors and relay-contacts form the signal chain. The tiny music signal passes very short lengths of conductor traces and relays with paralleled contacts, specified to switch lowest level signals precisely. This ensures maximum signal quality and the lowest possible loss. *Purism in detail!*

BASE-Technology:

We named the active input- and output-modules our *BASE-technology*. Its the abbreviation for *Ba*lanced *S*ingle *E*nded. It features the use of *high voltage J-FET-Transistors* that work in single ended fashion without the use of global feedback. While this technology guarantees excellent sonic qualities and good measurement values, it allows for simple and very straightforward circuit designs. But it demands special components and extensive screening of the used devices. Just about 20 out of 1.000 tested transistors meet the strict requirements. This screening and device quality can be found in all our cicuitry. The reward is a maximum in dynamics and refined resolution of musical detailss. *Purism obliged!*

The Power Supply:

The active modules of the **purist pre** are supplied with extremely low noise current by state-of-the-art-power supplies. The negative impacts from a possibly disturbed line voltage are prevented from reaching the audio signal. *Uncompromising!*

The Chassis:

The walls of the chassis are made from up to 0.4" thick aluminium. The cabinet shields the audio signal against any perturbations from the outside, absorbs mechanical resonances and averts microphonic effects. It is divided into three shielded chambers, one containing the power supply, the second the controller-board and the third containing the audio-circuitry.

Any possible interference of those three sections is stopped. The feet are designed in a way that emulates a mechanical diode. Resonances are guided into the rack. The self levelling and high changeable feet ensure a tight coupling of the surface to the rest. *Consequent!*

The Handling:

It was our aim to create a optical design so simple and intuitive that not even a lettering on the faceplate is needed. The **purist pre** is operated via the single actuator unit located in the middle of its front panel or via the IR-commander. The newly developed actuator unit works completey free of mechanical contacts and wear with optical sensors. A 3-digit display informs you about the settings. You can choose it to be constantly on or to dim low 10 seconds after the last command. The Purist Pre features a memory. It saves the actual settings and activates with the same settings the next time. Exempt from this is a 3-level protection function that prevents a start-up with excessively high volume levels. *Innovative!*

The Options:

The **purist pre** is regularly equipped as standard with *BASE-In modules*. We offer a passive or an active version. The *BASE-Out modules* are fitted according to your wish.

For those who cherish black vinyl we offer a very flexible phono stage. The inputs No. 5 and 6 (XLR or RCA) can be used with this module. The phono stage can accomodate nearly each and every pickup on the market. Besides the user changeable input impedance you can change the gain. Is your pick up a low-output MC or a high output MM? You prefer symmetrical XLR inputs or asymmetrical ones with RCA connectors?

You rather listen to the Neumann- or the RIAA/IEC playback curve?

You name it, you get it!

By using the finest fastidiously screened electronic devices and intelligent circuitry, we achieve the same level of precision and quality of playback that equals the quality of our components.

Technical Data:

purist pre

6 stereo input channels, 2 of which are free to configure with an optional phono stage, 3x XLR (Neutrik), 3x RCA (WBT), 2x2 stereo output channels, bi-amping capable 2xXLR (Neutrik), 2x RCA (WBT)

single actuator unit featuring a 3-digit display, touch- and turn sensors 14-button IR-commander, BASE-In module 0dB/+6dB switchable gain RON

Range of Volume Control:
0 to -100dB in 1dB steps (+-0.1dB)

Range of Balance:
0 to -100dB left/right in 1dB steps

Signal to Noise ratio (passive mode):
techical limits

Signal to Noise ratio (active mode):
> 100dB

Distortion measurements (passive mode)
techical limits

Distortion measurements (active mode):
< 0,01%

Bandwidth (passive mode):
>200kHz

Bandwidth (active mode):
> 100kHz (-3dB)

Colors of chassis:
silver, black

Color of display:
blue, red, green

Dimensions:
17.2" x 4" x 16.7" (WxHxD)

Weight:
app. 22lbs (wo. options)

Technical details or configurations may be subject to change without prior notice. Warranty: 5 years.

Home service:

*Give us a try at your home without obligation and free of charge. Make an appointment today and experience the **purist pre** live!*

Preferences of the **purist pre**

- *exceptional neutrality*
- *mainly passive signal conditioning*
- *scalable signal path*
- *measurement values at the limits*
- *highly flexible, modular conception*
- *easy and intuitive handling*
- *massive multi-sectional chassis*
- *elegant and timeless appearance*
- *updateable*
- *made in Germany*
- *5 years warranty*

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Handed over by:

purist pre

The next generation in high end audio

The Preamp

AMI HIFI

www.ami-hifi.de

The **purist pre** plays music with a yet unheard and unsurpassed naturalness and realism.

How is this possible?

The technology used allows for a dramatic reduction of parts count of the devices directly involved in signal conditioning.

Less is more!

The new passive volume control, the RON preserves the precious music signal in its purity without loss and distortion.

You like straightforwardness and simplicity?

Then the Purist Pre will be the prime choice!

Why?

*Because the **purist pre** will offer you a unique musical experience, moving, vivid, dynamic and emotional as never heard before!*

The Principle:

In more than 95% of all cases a preamplifier does not need any amplification at all. Modern audio sources generate sufficiently high signal levels. The precious music signal actually has to be reduced in level before it can be processed further. Additional amplification is completely unneccessary.

You realize the contradiction: Reduction ... Amplification!

Obviously one function is dispensable. Once this fact is acknowledged, you have the potential for innovative solutions. "Why", you may ask: "are preamplifiers still built using the principles of the old days?" Well, we assume that the reasons are tradition for one and general suitability for second. With the introduction of the CD in the early 80s the signal sources became louder.

Till then a preamplifier had to do what it was named to do....to amplify! To comply with those specifications, the typical preamplifier wastes sonic potential instead of concentrating on whats really needed. That is a very unfortunate situation when you own modern, highly capable devices.

You´ve never experienced the full dynamics and beauty of the music because every unneccessary amplification means a manipulation towards the worse sound reproduction.

The Technology:

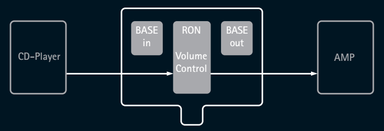
This is different with the **purist pre**: It does without amplification as you wish, but can amplify when you need it. We called this technique "*scalable signal path*". Therefore the Purist Pre is partitioned into three sections.

We call these independant sub-assemblies "*input section BASE-In*", "*passive volume control RON*" and "*output section BASE-Out*". You can comfortably switch sections on and off via IR-commander. Now its within your choice to decide how much signal conditioning is best. Configure the preamplifier to your needs. *Do it y our way ...*

Scenario 1: Passive Volume Control

If you are the owner of a CD-player or a Phono-preamplifier you only need to control the volume. You can then run the **purist pre** in the completely passive mode. The music signal passes through so no sound degrading electronic parts such as transistors, capacitors or inductors. Apart from the chosen reduction in level, it leaves the preamplifier precisely the same as it entered.

This is the Purist way by principle! Emotions and goose bumps guaranteed! The gain in sonic quality is tremendous!

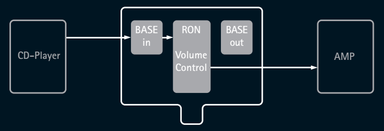


Pic 1: the music signal only passes through the RON, our new and unique volume control circuit..

Scenario 2: Signal Conditioning

Your setup contains of a signal source that runs via RCA cabling into the preamplifier and via XLR cabling to the power amplifier? Well, just switch the input section "*BASE-In*" into the signal chain. It allows for the conversion from RCA (asymmetrical) to XLR (symmetrical) standard. It features first class audio transformers. For those who generally prefer active solutions, we offer the *active BASE-In module*. It allows for IR-switchable gain settings of 0dB and +6dB. It is intended to be used with signal sources featuring very low signal levels and/ or high output resitances.

Using the *passive BASE-In module*, no active electronic device degrades the sound quality. Using the *active BASE-In module*, you can be sure that we developed it with the highest Purist ideal in mind and that the sonic degradation is truly negligible

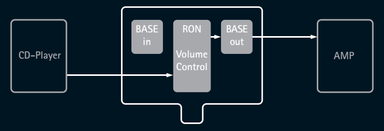


Pic 2: the music signal passes through the passive or active BASE-In module and the RON.

Scenario 3: Long Cable Runs

You can run the **purist pre** in buffered mode when the *optional BASE-Out module* is plugged into its position. Simply activate it via IR-command and the longer cable is not critical for your power amplifier or for your active loudspeakers.

Of course the *BASE-Out modules* are developed after the same high standards and effort all our circuitry undergo.

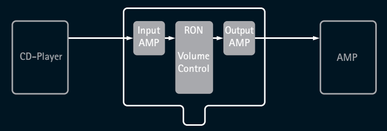


Pic 3: the music signal passes through the RON and the output buffer "BASE-out".

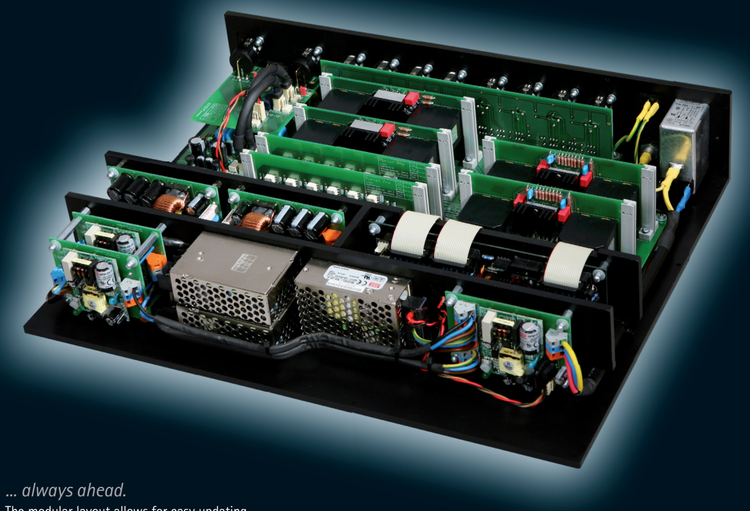
Scenario 4: Signal Conditioning and Long Cable Runs

This is the combination of the previously described situations. It is the configuration that comes the closest to a "normal" preamplifier. As you can imagine this setup is probably the worst and quite an unlikely case. That is what you have to live with when using other preamplifiers.

You can´t simply switch off what you do not need. You only can face up to the fact that you listen to sonically degraded music.. always!



Pic 4: the music signal passes through the "Base-In", the "RON" and the "BASE-Out".



... always ahead.
The modular layout allows for easy updating.