

Verto - read before you use

Verto was designed primarily for giving owners of RKV 2 + 3 the possibility of using electro-static and magneto-static headphones.

Verto now offers these possibilities in only a single product. On the front panel there is a 3 - mode switch with which to configure Verto.

Please plug the signal - cable with 6.3 mm jack plug to your RKV (OTL - out) on. Now you stick purely their headphones with jack in the upper or lower combo jacks. These are left on the front panel Verto`s.

The settings for 8 + 32 ohm offer the use of dynamic or static magneto headphones appropriate impedance. Please select the required impedance for your headphone.

In operation for an electrostatic headphones - such as for example Stax - please use the right socket on the front Verto. Again, the feed-the signal via the supply line from the RKV in the Verto into (OTL signal) . Now use at Verto but the STAX - mode - this is the right switch position of the mode switch on the front Verto. Drag this mode, all other headphones that are disconnected from Verto, so that the full signal - power is only used for the electro-static headphone. After about 1 - 2 minutes which is the BIAS - charged (white LED) you can now your STAX using Verto enjoy, without having to resort to more expensive products. Have fun with it.

SUMMARY

Verto - that universal genius - can handle 6 different mode.

low magnetostatic / dynamic headphones

- 1) 6.3 mm jack at RKV in mode 1 or 2 on VERTO
- 2) 6.3 mm jack plug and an adapter cable and connect to any large and small transistor amp (VERTO mode 1 or 2)

Speakers

- 3) the 6.3 mm jack in RKV and speakers connecting at the speaker terminals of VERTO (VERTO mode 1)
electrostatic headphones (generation of the bias voltage independently)
 - 4) the 6.3 mm plug to RKV model 2 + 3 (VERTO mode 3)
 - 5) the 6.3 mm jack plug in an adapter cable to a large transistor amplifier (VERTO mode 3)
 - 6) signal feed - in to the speaker terminals from VERTO connected by a transistor amp (VERTO mode 3)
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Caution - important note !!

If you use the VERTO in REVERSE MODE, beware of the following:

IMPORTANT: In REVERSE - MODE the 6.3 mm Verto jack must be plugged in the female bush.

Unlock the power amplifier what you want use as driver vor VERTO first, reducing your volume control poentiometer at the amplifier.

Now connection the speaker cable for the power amplifier and Verto. First to VERTO and then to the amp.

Turn the MODE switch on the VERTO to right position in the STAX mode.

Now turn on the power amplifier and slowly turn up the volume, now you should listen to music in your STAX headphones and the white LED start shinning.

If not, check your wiring.

How to setup the AudioValue VERTO to achieve true high-performance from your Dynamic, Planar Magnetic and Stax headphones from one system.

Helmut Becker of AudioValue has designed a unique passive device called the **VERTO**. The VERTO will allow you to use your existing components and setup one system that will be capable of driving your dynamic, planar magnetic and electrostatic headphones to peak performance.

The VERTO is a passive device (no power supply required) powered by the signal from the power amplifier. This allows the VERTO to be **transparent** as it will yield the true sonic signature of the power amplifier and other components you use in the system.

This is a huge advantage over dedicated amplifiers for your Planar Magnetic or Stax headphones as they can be very costly and many are overpriced yielding less than optimal performance.

But with the VERTO you have no limit as you may use it with your favorite high-performance power amplifier(s) and other components to achieve **superb** results driving any type of headphone.

Below is my recommended system setup with the VERTO. In this configuration there are no sonic compromises in terms of which headphones you use with the system as Dynamic, Planar Magnetic and Electrostatic headphone all perform superbly.

First off, to achieve the absolutely top performance from the VERTO and the rest of the components in your system it is extremely important to use vibration control and properly designed system cables for all the components in the system. These two very important and over-looked “components” will for lack of a better term “double or “triple the capabilities of the collective components very notably improving the overall system performance. See the following information on the www.mapleshaderecords.com website:

<http://mapleshadestore.com/feedback.php>

The large front Mode Knob on the **VERTO** allows you to change the impedance depending on the design of the headphones (Dynamic, Planar Magnetic or Electrostatic):

8R (8 ohm resistance) is for Dynamic Headphones.

32R (32 ohm resistance) is for Planar Magnetic Headphones.

ESH (Electrostatic Headphones) is for the Stax or similar headphones.

With rigorous testing I have determined that the VERTO drives the Stax and the higher impedance HiFiMan HE5/6/1000 and Audeze headphones extremely well when both types of headphones are set to the **ESH** setting. With the HiFiMan and Audeze headphones, it is somewhat splitting hairs as they still sound **great** on the **32R** setting (the intended planar magnetic headphone setting) but I eventually heard slightly better dynamics with them on the **ESH** setting. Try both as you may find both to be equal or the 32R setting better suited for the planar magnetic headphones you use in your particular system.

Another important aspect of the VERTO I have learned while testing is the lower impedance Audeze headphone and all the Dynamic headphones did perform better than when connected to the VERTO when instead using a high quality headphone amplifier (which can produce 1 watt or more of output) connected to the pre-amp outputs of the high quality integrated tube or SS power amplifier – the same amplifier in which the speaker outputs are connected to the speaker inputs on the front panel of the VERTO.

So here is my recommended setup based on extensive testing of all the combinations available from the front panel of the VERTO:

- Choose and use any source(s) you prefer: CD, Vinyl, Streamer, Reel to Real etc.
- Connect your source(s) to **one high- performance integrated tube or solid state power amplifier.**
- Use the speaker outputs of the integrated power amp you have chosen and connect your speaker cables to the speaker inputs on the front panel of the VERTO.
- Your system is now setup so you can connect your high impedance Planar Magnetic and the Stax headphones to the front panel of the VERTO. The volume will be controlled by the integrated power amplifier.
- Now use your headphone amp to drive all your Dynamic and low impedance Planar Magnetic Headphones by doing the following. If your integrated amplifier you have chosen for use with the VERTO has a tape output, connect your headphone amplifier with interconnects to the tape outputs and use the volume control of the headphone amp. to make volume adjustments. If your integrated amplifier does not have a tape output, connect your headphone amplifier with interconnects to the preamp. outputs of the integrated power amplifier. If you are using the preamp outputs, set the volume control on the integrated amp. at a low setting and control the volume by the headphone amplifier volume knob.

You can try any headphone amp. you prefer (other than one that produces an output of 1 watt or higher) and test the results as the performance of this headphone amp. in your system might prove to be excellent as well.