

ModWright Instruments Inc.

ModWright Truth Modified Transporter

Owner's Manual

Introduction:

Welcome to the world of the ModWright Modified Transporter. You may now enjoy the convenience of computer server based audio with Truth Class A audio performance. The unit is designed to require minimal maintenance. Tubes are self-biasing and have a long life. Once the computer network and setting are established, use will be convenient and trouble free.

Setup:

When you open the box, you will first need to screw the WiFi antennas onto the back of the unit. Next, you will need to install the two 9-pin 'noval' type output tubes. There are two tubes, one per channel and they are not channel specific. The rectifier tube is an octal base type and is easily distinguishable from the output tubes. Both power tube and output tubes will only fit one way into the tube sockets. The power tube has a spline or key at the base of the tube that aligns with the octal tube socket. The 9-pin output tubes fit only one way into the 9-pin sockets.

Plug AC power into the back of the Transporter. You will also find a small silver toggle switch adjacent to the power inlet socket. This is the power toggle for the tube stage. While it is recommended to leave the Transporter plugged in all the time, you may turn the tube stage power off at the end of the day or listening sessions, to prolong tube life.

When you first plug in the transporter the unit will 'boot up' and you will need to follow the instructions on the display. You have an option of either using the unit via Ethernet or WiFi in conjunction with your computer network. If you have a WiFi capable computer network established or at least a router such as a DSL or high-speed internet modem/router, that has WiFi capabilities, then this is adequate. Otherwise, you may have a separate router (Netgear, Linksys, or other) and most will allow both Ethernet and WiFi functionality.

You will need to have Slimserver software installed on the computer that will serve as the main control center for the Transporter and will also act as a music server via its own internal or external hard drive. You may download the software (free) from www.slimdevices.com . (This is all covered in the owner's manual that comes with the stock unit.)

Provided that you have a computer network, a router, Slim Server software installed and WiFi antennas screwed onto the back of the transporter, the transporter and computer should recognize each other and you will simply follow the on-screen instructions. If you choose to run the unit via an Ethernet network, then you simply need to connect an Ethernet cable between the router and Transporter. Please note: you may not simply directly connect a PC to the transporter via Ethernet cable. This needs to be established via a network connection through a router.

Playing Music:

Once all computer connections are established and Ethernet or WiFi network operation has been decided, you need only power on the tube power supply. When you first turn on the tube supply, there will be a 30 second delay while the stays in mute as voltages stabilize, to prevent DC transients. After this time, the unit is ready to play music. You may explore the music on our computer hard drive or music server.

You may connect the Transporter either directly to the amp and control volume via the Transporters' own built in digital volume control or you may (ideally) run it at full volume, into a high-quality pre-amplifier, to the amp.

Trouble Shooting:

If you find that the Transporter appears to be working and playing music, but there is no output, then check the following:

1. Are the tube stage powered on (toggle on rear) and all tubes lit? If power is on, but tubes are not lit, then unplug unit, remove cover and check fuse. If rectifier tube is not lit, then try another rectifier tube.

2. If you have all tubes lit and on and still have no output, then check the Transporter volume control to be sure that it is not turned all the way down.
3. If conditions one and two are satisfied, verify that you have analog IC's connected to the new and upgraded RCA's or stock XLR's. Stock RCA analog outs are rendered non-functional after the mod. Check also to see if the volume is turned all the way down on your pre-amp and that the amp is turned on.
4. If ALL of these have been verified, you may perform the following: Unplug power cord, turn off tube power. Wait 20-30 seconds. Plug the Transporter power cord back in and push the number '1' button on the remote at the same time. You should see a message indicating that the Xilinx chip is being reset. This may take a minute or so. After which time, turn the tube power on and, after it comes out of mute, verify that you have audio.
5. If you have done all of these things and still do not have audio output, then please call us for customer service at: 360.247.6688.

Conclusion:

The Transporter should provide excellent and trouble free service and beautiful music, combined with the convenience of modern technology. You may experiment with different rectifier tubes, including: 5AR4/GZ34, GZ37, 5U4G, 5U4GB, 5V4, 5V4G. You may also experiment with different output tubes, including: 6N1P, 6H30, 6CG7/6FQ7, 6BQ7, 6BG7.

CAUTION: You may NOT use the following output tubes: 12AX7, 12AT7, 12AU7, 6922, 6DJ8, 7308. Use of some of these tubes may damage the unit. Use of 6DJ8 tubes, while pin-compatible, will result in damage to the tubes, because the unit is designed to operate in a range unsuitable for these tubes.