

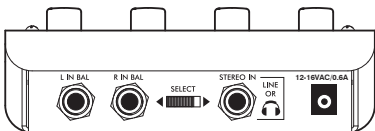
Instruction Manual



www.aphex.com



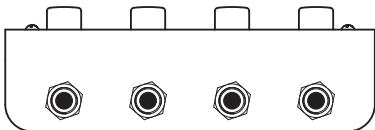
Hook-Up



Balanced
TRS Inputs
T: POS, R: NEG, S: GND
Zin = 20K Ω

Unbalanced
Stereo TRS Inputs
T: Lt, R: Rt, S: GND
Zin = 10K Ω

Power
12-16V
AC Only



Outputs to Stereo Headphones 8 - 1000 Ω
Zout = 10 Ω

Note On Obtaining More Outputs

For additional headphone outputs, you can use standard “Y” adapters to split a balanced or unbalanced source to drive two HeadPods. This is preferred over daisy chaining one HeadPod output to another HeadPod input. “Y” splitting two headphones off one HeadPod output is not recommended.

Balanced Inputs

Active balanced inputs receive separate left and right balanced or unbalanced sources. For unbalanced sources, use store bought phone plug to RCA adaptors. Otherwise, wire tip to hot and ring and sleeve to ground. Many times ground loop hum can be eliminated by using only the ring for ground and not connecting ground to the sleeve.

Unbalanced Inputs

The TRS jack accepts a wide range of inputs and input levels. You can use suitable cables to connect to a stereo headphone output jack, for example. Stereo line outputs such as found on computers, and portable sound players will also interface perfectly with this input.

“SELECT”

This switch lets you choose which input type you are to use.

Power Jack

Caution: 12-16V AC Sources Only. At least 6 Watts capacity is required. A DC input may damage your HeadPod and possibly your headphones. The warranty does not cover damage caused by an improper power supply.

Barrel Size = 2.1mm x 5.5mm



Controls



Master (Input Gain)

This control lets you match your HeadPod to the audio source. Adjust it so the individual output volume controls are operating at convenient settings. If you hear distortion it is probable the Master is set too high while the Volumes are set too low.

Volume (1, 2, 3, 4)

These controls adjust their associated headphone amplifier to allow the desired listening volume. The volume can get very loud, so start with a low setting.

Please be sure to turn down the Volume before plugging in your headphones or playing any audio source.

The large available headroom of your HeadPod makes high volume levels with low distortion possible. Ear protection is your personal responsibility at all times. Always start with a low volume and adjust it for comfort.



Specifications

Model 454	
Input Z	Bal: 20K Ω ; Unbal: 10K Ω
Output Z	10 Ω
Maximum Input Level	Bal & Unbal: +24dBu
Frequency Response	10Hz - 120kHz +/- 1dB
SNR (Typical)	100dB
Crosstalk, dB:	-80 @ 1KHz, -70 @ 10KHz
Maximum Gain	35dB
THD+N, 1KHz	<.001%, 100mW into 25 Ω
SMPTE IMD	<.001%, 100mW into 25 Ω
Weight	16oz. (0.45kg)
Dimensions	5.5W x 1.9H x 4.5D in. 13.8W x 4.8H x 11.4D cm.
External Power	12-16VAC, 850mA 5.5mm x 2.1mm Power Jack

Aphex reserves the right to continually improve our products. All specifications are subject to change without notice.

Limited Warranty

PERIOD

One year from date of purchase

SCOPE

All defects in workmanship and materials. The following are not covered:

- a. Voltage conversions
- b. Units on which the serial number has been defaced, modified, or removed
- c. Damage or deterioration:

1. Resulting from installation and/or removal of the unit.
2. Resulting from accident, misuse, abuse, neglect, unauthorized product modification or failure to follow instructions contained in the User's Manual.
3. Resulting from repair or attempted repair by anyone not authorized by Apex Systems.
4. Occurring from shipping (claims must be presented to shipper).

WHO IS PROTECTED

This warranty will be enforceable by the original purchaser and by any subsequent owner(s) during the warranty period, so long as a copy of the original Bill of Sale is submitted whenever warranty service is required.

WHAT WE WILL PAY FOR

We will pay for all labor and material expenses for covered items. We will pay return shipping charges if the repairs are covered by the warranty.

LIMITATION OF WARRANTY

No warranty is made, either expressed or implied, as to the merchantability and fitness for any particular purpose. Any and all warranties are limited to the duration of the warranty stated above.

EXCLUSION OF CERTAIN DAMAGES

Apex Systems' liability for any defective unit is limited to the repair or replacement of said unit, at our option, and shall not include damages of any other kind, whether incidental, consequential, or otherwise.

Some States do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.



Service Information

1. If it becomes necessary to return this unit for repair, you must first contact Aphex Systems, Ltd. for a Return Authorization (RMA number).
2. Pack the equipment in a strong carton containing at least two inches of padding on all sides. Be sure the unit cannot shift around inside the carton. Include a letter explaining the symptoms and/or defects. Be sure to reference the RMA number in your letter and mark the RMA number on the outside of the carton.
3. If you believe the problem should be covered under the terms of the warranty, you must also include proof of purchase.
4. Insure your shipment and send it to:

Aphex Systems, Ltd.
11068 Randall Street
Sun Valley, CA. 91352
PH: (818) 767-2929 FAX: (818) 767 -2641