

Heed

OBELISK
separates

PRE and PX



Users Manual

Thank you for choosing our products!

With the development of the OBELISK separates, our aim was to take our highly praised and award-winning Obelisk Si integrated amplifier to the next level of performance, in terms of both functionality and sound. Using separate components for the various amplifier stages gives more flexibility of use and achieves more transparency, information retrieval and dynamic capability. We sincerely hope that you will agree, and that your Obelisk separates will provide you with many years of impeccable, trouble-free operation.

Happy listening!

These components are designed to offer the finest performance available by avoiding compromise, wherever possible. This detailed guide contains advice specifically related to using this amplifier combination, as well as more general warnings about the use of domestic audio components.

Please read it carefully.

Precautions

Instructions — All safety and operating instructions should be read and adhered to exactly as written here or as depicted on the unit. Please retain for future reference.

Water and Moisture — The unit should not be used near water — that is, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or swimming pool, etc.

Heat — The unit should be situated away from heat sources such as radiators, stoves, etc..

Power Sources — The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.

Power-Cord Protection — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Lightning — For added protection during a lightning storm, or when left unattended and unused for long periods of time, unplug the unit from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

Object and Liquid Entry — Care should be taken so that objects do not fall into and liquids are not spilled into the inside of the unit. For this reason, no objects filled with liquid, such as vases or drinking glasses should be placed on the equipment.

Damage Requiring Service — The unit should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been damaged;
- Objects have fallen, or liquid has been spilled into the unit; or the unit has been exposed to rain respectively;
- The unit does not appear to operate normally or exhibits a change in performance;
- The unit has been dropped, or the cabinet damaged.

The Obelisk PRE preamplifier, as well as its optional PX auxiliary power supply do not have any user serviceable parts. It is essential that repairs and updates are only carried out by our authorised trade partners — distributors and dealers — , or at the factory by Heed Audio itself. Many components are custom made, tested or matched and appropriate replacements are often unobtainable from other sources.



Therefore, users should not attempt to service the units beyond those means described in the operating instructions, or under any circumstances allow anyone to modify them. Unauthorised repairs or modifications will invalidate the guarantee of the units.

Grounding or Polarization — Precautions should be taken so that the grounding or polarization is not defeated.

Radio interference — All Heed components are designed to provide reasonable protection against harmful interference in a domestic installation. However, there is no guarantee that interference will not occur in a particular installation. If your Obelisk does cause harmful interference to radio or television reception, which can be determined by turning off and on, you are encouraged to try to correct the interference by one or more of the following measures:

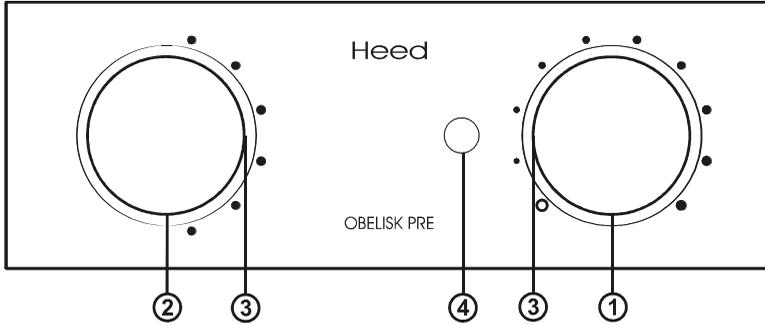
- Reorient or relocate the receiving antenna;
- the separation between amplifier and receiver (radio tuner, television set, etc.);
- Connect the equipment into a power outlet on a circuit different from that to which the receiver is connected;
- your Heed dealer or an experienced radio/TV technician for help.

Maintenance / Cleaning — It is recommended to dust the equipment from time to time with a soft dry cloth.



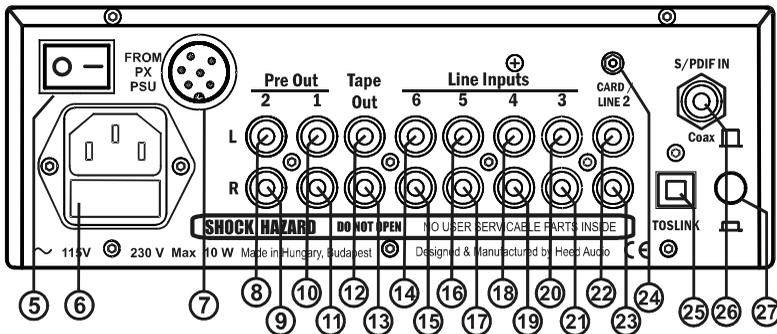
**Do not use cleaning solvents or abrasives for cleaning!
Always switch off and unplug the unit from the power supply when cleaning!**

front panel



1	Volume Knob	3	Position and on/off indicator LEDs
2	Input Selector Switch	4	Infrared sensor

rear panel



5	Power on/off switch	17	No. 5. Line level input right channel
6	Mains connector and fuse socket assy	18	No. 4. Line level input left channel
7	Auxiliary Power Supply connector	19	No. 4. Line level input right channel
8	Pre-out 2, left channel connector	20	No. 3. Line level input left channel
9	Pre-out 2, right channel connector	21	No. 3. Line level input right channel
10	Pre-out 1, left channel connector	22	No. 2. Line level input left channel
11	Pre-out 1, right channel connector	23	No. 2. Line level input right channel
12	Tape Out, left channel connector	24	Earthing (for tonarm cables only)
13	Tape Out, right channel connector	25	TOSLINK digital input (optical fiber)
14	No. 6. Line level input left channel	26	S/PDIF digital input (co-axial)
15	No. 6. Line level input right channel	27	Push-button switch (TOSLINK<->S/PDIF)
16	No. 5. Line level input left channel		

Installation

We believe that a Heed Audio component should, optimally, be installed by an approved Heed dealer. Nevertheless, the procedure is straight-forward enough to enable you to install your new Obelisk PRE, and its PX power supply, if applicable, yourself by following the instructions presented here.

Should any problems be experienced which are not covered here, contact your local dealer. If you are unable to do so, or problems persist, however, do not hesitate to contact our distributor/trade partner in your country (see our website < www.heedaudio.com > — “Worldwide distributors” — for details), or us directly at Heed Audio **we're here for you!**

Unpacking

When opening the box and unpacking the unit, you will find following items supplied:

- (1) Heed Obelisk PRE line-level preamplifier
- (1) OBELISK remote control handset
- (1) 6-pole 'shorting' power supply plug
- (1) IEC-norm mains power cord
- (1) Users Manual



⚠ Before placing the unit in its chosen location, insert the 'shorting' power supply plug into the PSU socket (7) — see rear panel. Alternatively, you can use the Obelisk PX auxiliary power supply via this socket (see below “Upgrade Options”). If the plug is not inserted in the socket, the preamplifier is completely muted because the circuit is disconnected from the onboard power supply, enabling the connection of the Obelisk PX.

Placement

In common with all high-quality audiophile equipment, the Obelisk PRE performs optimally when positioned on its own individual mounting surface, ideally a light rigid structure. There are many purpose-built stands readily available from all better dealers.

Avoid placing the unit on soft surfaces, for example, carpets or soft fabrics. Keep it away from strong magnetic fields.

Connection to mains supply

⚠ Before performing any connections or disconnections, ensure that the unit's power on/off switch (5) is in "off" position.

⚠ Always check that the voltage and frequency of the mains supply corresponds to the specifications, as labelled on the unit!

- ▽ Insert the power cord's IEC-type plug into the power inlet connector (6) of the Obelisk.
- ▽ Connect the power cord's mains plug to your power outlet.

Input connections

The Obelisk PRE has one dedicated digital (co-axial / optical fiber), and five pairs of high quality RCA (cinch) input connections.

Input 1 (25,26) is a true digital connection accepting digital output signals from various digital devices such as CD-transports, CD- or DVD-players via their digital outputs, as well as computer music servers and DAB-tuners. This input works via either optical fiber TOSLINK (25) or co-axial S/DIF (26) connection, if the input is equipped with the optional **Heed Audio Dactil** DAC module. Input 2 (22,23) can also be used as digital input (co-axial only), if equipped with its own DAC module. (Either the Left or Right RCA jack may be used to accept a suitable digital source, but only one (1) of them may be used as such, with the other remaining unconnected.) This input, as opposed to the digital-only Input 1, can be used, alternatively, as a standard line level input or even as a phono input for connecting a turntable, if equipped with the optional **Heed Audio Vinyl-1** MM phono module.

Inputs numbers 3 to 6 (14-21) are standard line level inputs. See the specifications section for the sensitivity data of the inputs.

Output connections

PRE OUT: The Obelisk PRE has two pre-out (RCA) connections (8,9 and 10,11). Here you can connect your power amplifier, ideally the **Heed Audio Obelisk PS** stereo amplifier or a pair of **Obelisk PM** mono power amplifiers to drive your loudspeakers.



When connecting the Obelisk PRE to power amplifier(s) ensure that the “L” (left) and “R” (right) channels are connected correctly.

As the Obelisk PRE features two pre-out connections, it is also possible to use two Obelisk PS, or four Obelisk PM units for bi-amplification. This configuration benefits most loudspeakers. Provided your speakers have a terminal with separate connectors for low/mid and high frequencies, remove the “bridge” between them (which must be used if driving them with a single amp set) and connect the low/mid way to “Pre Out 1” with one set of interconnect cables and the high way to “Pre Out” 2 (or the other way round) with another set of interconnects. If you have problems, contact your Heed dealer and seek advice.

TAPE OUT: Using this output, you can connect an analogue or digital recorder to your Obelisk PRE. If you also want to listen to the recorder, you have to connect the output of the recorder to one of the line-level inputs (14-21) of the Obelisk PRE. Alternatively, it is possible to drive a headphone amplifier via the “Tape Out”, ideally our **Heed Audio CanAmp**.

It is strongly recommended to use decent interconnect cables between your Obelisk PRE and your other hi-fi components connected to it — better quality interconnects can usually enhance the performance of your system. One of the best choices is our HEED ConCord cable. Your HEED dealer will certainly help you to choose the right connections for your particular set-up.

Operation



Once the Obelisk PRE is connected to the mains supply, as well as to source component(s) and power amplifier(s), remove the protective film from the front panel(s) — the same applies to the PX power supply, if applicable. You can detach it by grabbing the film at any of the corners and peeling it off.

Note: This step concerns only the appearance of the units, it has no electrical or mechanical influence on their functioning.

When all installation steps have been correctly completed, your amplification is ready for action!

- ▽ Turn the Volume Knob (1) counter-clockwise to the minimum setting.
- ▽ Switch on your desired source components.
- ▽ Switch on amplifier units with power on/off switch (5,29) and allow some time for warming up.



If your unit was transported or stored in a cold environment, allow it to warm up to room temperature before switching on!

- ▽ Select the component that you'd like to listen to with the Input Selector Switch (2).
- ▽ Begin playing the source component.
- ▽ Adjust the volume level with the Volume Knob (1) or with the **Remote Control Handset** >>> to your preferred setting: up with , down with . You can also mute the amp by pressing .
- 😊 Sit back and enjoy!



Note: Although the components can be used within seconds of switching on, as with all audio equipment the best sound quality will be reached after a warm-up period: a minimum of 30 minutes, preferably a couple of hours.

As the units draw very little power, unless it is out of use for a long period, we recommend keeping them switched on permanently for optimum performance. However, all units should be switched off if left unattended for extended periods, or in the event of a thunderstorm.

Upgrade Options

D-to-A converter (DAC) and MM phono modules

Upon installation of the **Heed Audio Dactil** DAC module for Input 1 and/or Input 2, your Obelisk PRE will be able to receive the digital signal of CD-transport, CD- or DVD-players, music servers or any other source component with a digital output, and convert it into a line-level analogue signal. If you don't use Input 2 for vinyl replay, you can connect up to two digital source components and use them simultaneously, although you need a DAC module for each. Additionally, you can share Input 1 between two source components — one connected via S/PDIF and the other via TOSLINK — and use them by toggling (27).

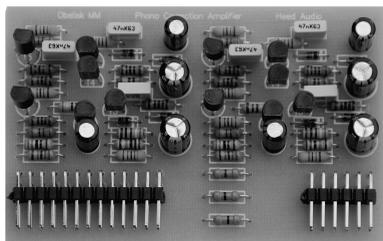
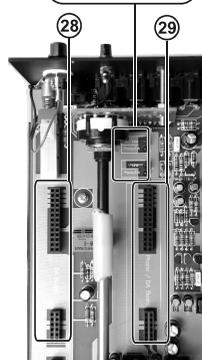
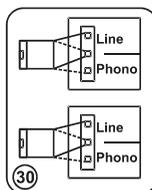
Note: While Input 1 comes with both S/DIF (co-axial) and TOSLINK connections, Input 2 can be used as a co-axial connection only.

Upon installation of the **Heed Audio Vinyl-1** MM phono module, your Obelisk PRE will be able to amplify a signal directly from the cartridge (moving-magnet) of your record player. **Note:** only Input 2 (22,23) can be used with the phono module. If you use Input 2 for vinyl replay, you need to change the jumper settings (Line — Phono) on the PCB inside the unit.

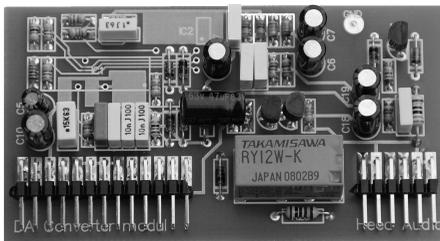
⚠ We strongly recommend that the installation of modules and changing of jumper settings be carried out by your authorised Heed Audio dealer, so the description outlined below is for reference purposes only!

Before installation of the module your equipment must be switched off, and disconnected from the power supply. All input/output cabling should be disconnected.

1. Remove the housing cover.
2. Set the correct position of the jumpers (30) with a pair of tweezers or even with your fingertips: "Phono" for the Vinyl-1 phono or Dactil DAC module respectively, "Line" for any line-level source component (slot remains vacant). Input 1 accepts only the Dactil DAC module and therefore needs no jumpering.
3. Connect the module(s) to the main PCB by sliding it on the pin connectors of the slot(s) — No. 28 for Input 1 and No. 29 for Input 2.
4. Reassemble the housing cover.
5. Re-connect all cables — see "installation", page 4.
6. Connect your turntable to Input 2 (22,23) and its tonearm's grounding cable, if available, to the "earthing screw" (24). Pay attention to polarity ("+" to "+", "-" to "-"). [OR] Connect your digital source (CD-transport, computer server, DAB-tuner, etc.) via co-axial interconnect cable to either the Left or Right RCA jack of Input 2 (22,23), leaving the other jack unconnected.
If you have a DAC module connected to Input 1, you will probably use your primary digital source with it (connected to No. 25 via TOSLINK, or No. 26 via S/PDIF).



phono module **Heed Audio Vinyl-1** MM



DAC module **Heed Audio Dactil**

Obelisk PX auxiliary power supply (optional)

The Obelisk PX is a fully regulated auxiliary power supply which fundamentally improves the sonic performance of the Obelisk PRE preamplifier.

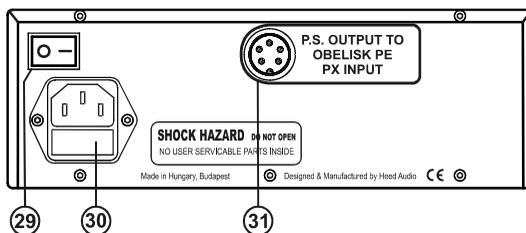
In this enhanced two-box configuration, the Obelisk PX power supply will take over the support of all audio and operational stages of the Obelisk PRE from its on-board power supply. To avoid unwanted electrical and magnetic interference, the Obelisk PRE must be switched off when supported by the Obelisk PX.

Connecting the Obelisk PX to the Obelisk PRE

⚠ Before performing any connections or disconnections ensure that the power on/off switch (5) of the unit is in the "off" position.

1. Connect one end of the supplied P.S. connector to the P.S. output socket of PX (31), and the other end to the P.S. input socket of Obelisk PRE (7).
2. Connect the supplied power cord's IEC type plug into the power inlet connector of the Obelisk PX (30), and its mains plug into your power outlet.
3. Switch the PX power on/off switch (29) to "on". Confirm blue LED power indicators are lit on both PRE and PX units. Allow time for warm-up. Enjoy!

Note: Obelisk PRE remains switched off.



**Obelisk PX
rear panel**

⚠ Never attempt to connect any other type of power supply to this connection as it may cause your equipment to fail!

Obelisk PS stereo and PM mono power amplifiers

The Obelisk PRE is a highly versatile preamplifier and can be used with the vast majority of power amplifiers. We suggest, however, that you combine it with one (or more) of our Obelisk power amplifiers, which is a perfect match both technically and sonically.

Follow these steps when connecting pre- and power amplifier(s):



⚠ Before performing any connections or disconnections ensure that the power on/off switches (5) of the units are in the "off" position.

Connect the pre- and power amplifiers by plugging a pair of interconnecting RCA (cinch) cables into one of the pre-out connectors (8,9 and 10,11) of the Obelisk PRE and to the input connectors of the Obelisk PS or PM at the other end.

⚠ Ensure that the "L" (left) and "R" (right) channels are connected correctly to preamplifier and power amplifier(s).

Switch on the units with their power on/off switch — first PRE (or PX) and then power amplifier(s).

For a detailed description, refer to the separate instruction manual supplied with the Obelisk PS or PM.

SPECIFICATIONS

Input (1) impedance:	75 Ohm
Input (2-6) impedance:	10 kOhm
Input (2-6) sensitivity (at 775 mV _{RMS} out):	220 mV _{RMS}
Input (2) sensitivity / impedance with MM phono module	5 mV / 47 kOhm
Output impedance (Pre Out, Tape Out):	35 Ohm
Maximum output level (at THD = 1%):	7.5 V _{RMS}
Gain:	10 dB
Headroom:	20 dB
Signal-to-noise ratio (A-weighted):	98 dB
Total harmonic distortion (at 775 mV _{RMS} out), unweighted):	<0,005 %
Frequency response (+0, -1 dB, unity gain):	1 Hz - 105 kHz
Frequency response (+0, -3dB, unity gain):	1 Hz - 220 kHz
Power consumption:	<10 W
Power consumption (standby):	4 W (+1 W per module)
Weight (Obelisk PRE):	4.2 kg
(Obelisk PX):	5 kg

WARRANTY

If within three years of the purchase date your Heed OBELISK PRE or PX prove to be defective for any reason other than accident, misuse, neglect, unauthorised modification or fair wear and tear, Heed Audio Ltd. will, at its discretion, replace the faulty parts without charge for labour. This factory warranty is valid only for units sold into countries with no appointed Heed distributor. **Service enquiries in countries with appointed distributor should be addressed first to the supplying dealer and/or Heed distributor. Warranties granted in these countries are entirely at the discretion of distributor.**

DISTRIBUTOR CONTACT



FACTORY CONTACT

HEED Audio Kft. (Ltd.)
Reviczky Gyula u. 9-11
H-1181 Budapest
Hungary

Tel/Fax: +36 1 2947401
eMail: info@heedaudio.hu

Web: www.heedaudio.com