

TECHNICAL SPECIFICATIONS

Input:	3 mV/47 kOhm (Questar MM) 220 μ V/100 Ohm (Questar MC)
Gain:	42 dB (Questar MM) 64 dB (Questar MC)
Frequency response:	20 Hz — 20 kHz/± 0,3 dB
THD (at 0 dB, 1 kHz):	0.02 %
Signal-to-noise ratio (A-weighted):	82 dB (Questar MM) 74 dB (Questar MC)
Headroom:	20 dB (Questar MM) 18 dB (Questar MC)
Channel separation:	50 dB (1 kHz)
Power consumption:	<10 W
Dimensions:	9x6x22 cm (W/H/D)
Weight:	0.9 kg (PSU: 0.4 kg)

WARRANTY

If within three years of the purchase date your Heed QUESTAR proves 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/importer. Warranties granted in these countries are entirely at the discretion of distributor.**

DISTRIBUTOR CONTACT



FACTORY CONTACT

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Heed Questar Users Manual 1.1 (2009)

Heed QUESTAR Phono Preamplifier



Thank you for choosing our product!

The Heed QUESTAR is an excellent value-for-money phono stage for the discerning music lover on a budget. In terms of music reproduction, it is head and shoulders above the vast majority of its direct competitors. A broad range of middle-priced turntables and cartridges perform at their best with this genuinely musical device.

We sincerely hope that you will agree, and that your QUESTAR will provide you with many years of impeccable, trouble-free operation.

Happy listening!

The Heed Team

The functions and operation of the QUESTAR are extremely simple and straightforward. The following notes are provided to explain all aspects of its installation and use, primarily as phono preamplifier but also in general as a domestic audio component.

Please read them 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, or other appliances that produce heat.

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.

This amplifier does 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 unit beyond those means described in the operating instructions, or under any circumstances allow anyone to modify it. Unauthorised repairs or modifications will invalidate the guarantee of the unit.

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 CanAmp 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;
- Increase 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;
- Consult your Heed dealer or an experienced radio/TV technician for help.

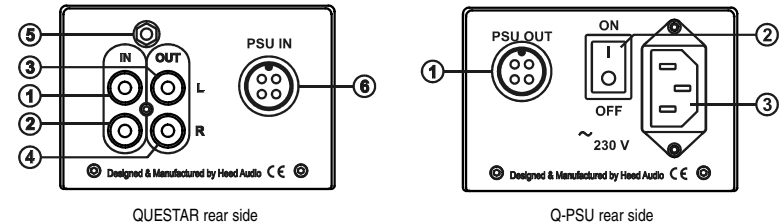
Maintenance / Cleaning — It is recommended to dust the equipment from time to time with a soft dry cloth. Do not use cleaning solvents or abrasives for cleaning!

! Always switch off and unplug the unit from the power supply when cleaning!

installation

! All connections must be made before the wall wart mains adaptor (or Q-PSU) is plugged in, and before amplifier and source component connected are switched on.

! If you use a Q-PSU instead of the wall wart device ensure that the power on/off switch (2) of the unit is in "off" position. Check that the voltage and frequency of the mains supply corresponds to the specifications as labeled on the unit!



CONNECTION TO MAINS SUPPLY

- ▼ Connect the 4-pin plug of the wall wart adaptor — or the Q-PSU's supply cable which of course has to be connected with its opposite 4-pin plug to the power outlet of the Q-PSU marked by **PSU OUT** (1) — into the power inlet connector (6) of the QUESTAR.
- ▼ Connect the wall wart adaptor's 'flying' power cable, or if using Q-PSU its IEC power cable with its mains plug into your power outlet, and its IEC plug end into the IEC socket (3) of the Q-PSU respectively.

INPUT AND OUTPUT CONNECTION

You find 2 pairs of high quality phono sockets (RCA) on the rear panel.

The sockets (1, 2) marked by **IN** are to take the signals of your analogue turntable. The output from the turntable is normally terminated on two phono plugs (RCA jacks). The level is dependent on the type of cartridge used, and in the case of moving magnet will normally be around 2 – 5 mV, and for moving coil 200 – 500 μ V (0.2 – 0.5 mV). Most MM cartridges will be properly matched by using the QUESTAR MM, while low-output moving coil cartridges will require the QUESTAR MC.

By plugging the signal leads from your turntable into the QUESTAR input (1, 2), the signal will be boosted to LINE level at its output marked by **OUT** (3, 4). The output from the QUESTAR can be connected to most integrated amplifier's and preamplifier's line inputs via a regular Phono-to-Phono (RCA-to-RCA) stereo interconnect lead. To prevent hum pick-up, it may be necessary to join the turntable's earth lead to the QUESTAR ground terminal (5). When connecting cables ensure that they are wired up correctly i.e. "+" (red) to "+" and "-" (black) to "-" to the input sockets of your amplifier.

! Once the unit is connected to mains supply, as well as to source and amplifier, remove the protective film from the front panel. You can detach it by peeling off and grabbing the film at any of the corners.

operation

When all connections are correctly completed, your QUESTAR is ready for action! You can proceed playing your turntable as you usually do.

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

It is necessary for the QUESTAR to be 'burned in' for at least 72 hours before its full sound quality potential can be realised. As the QUESTAR draws very little power, unless it is out of use for a long period, it is recommended to leave it switched on permanently.

Should any problems be experienced with installing or operating the unit, contact your local dealer. If you are unable to do so, or problems persist, however, do not hesitate to contact our distributor in your country, or us directly at Heed Audio ...we're here for you!

see contacts ➔