

T - 31H

OWNER'S MANUAL



The Talisman Audio team congratulates you for the acquisition of the high-end T-31H headset stereophonic amplifier.

Our team designed and manufactured this product with utmost professionalism and care. We trust that the highest standards of technology and quality which we build into all our products will serve you well, and make you enjoy your new amplifier for many years to come.

The T-31H was designed to provide the absolute best in electrodynamic headset listening : as such, it is a full-fledged member of the elite family of Talisman Audio equipments.

The T-31H profits from a technical design without concession, reserved for the High End material. It is on this technical basis that we could develop the exceptional sound of this apparatus.

The T-31H's high-capacity intensity and voltage output enables it to seamlessly hook up into a wide range of electrodynamic headsets, no matter whether they feature high or low input impedance. Quality brand-name headsets are especially appropriate, so that the manifold qualities of fidelity, naturalness and excellent sound dynamics are fully utilised.



T-31H

Unpacking, preparation and placement

GENERAL INSTRUCTIONS

Upon unpacking you should find the following equipment and accessories :

- T-31H amplifier in its protective bag ;
- power cord ;
- a two-parts foam wedging.

We advise you to keep this packing, in case you had to return the product, to ensure safe travel conditions.

Nota : this leaflet can be found on our site <http://www.talisman-audio.com>

Select an appropriate spot to place your T-31H : i.e. near enough from your hi-fi equipment so that all necessary connections may be made unhindered, and also close enough to wherever you may want to sit back and relax to enjoy the T-31H listening experience.

- make sure that the T-31H is placed on a hard surface with no vibrations ;
- also make sure that the T-31H is not confined in a closed space, for the T-31H will remain in a power-on status full time ;
- avoid placing the T-31H too close to other electrical equipment, as it could possibly cause static, background noise, vibrations, or excessive heating.

OVERVIEW

Front panel

- 1 Power-on light.
- 2 Volume control knob.
- 3 Stereo jack 6.35 mm.

Back panel

- 4 CINCH stereo input.
- 5 CINCH outlets for direct stereo output.
- 6 Individual serial number.
- 7 Power supply (mains) at base.



TECHNICAL SPECIFICATIONS

- input : 1 Cinch stereo input ;
- output : 1 Cinch direct stereo output and 1 amplified output 6,35 mm jack for electrodynamic headset ;
- output level : < 7 Vrms headset on 30 to 600 ohms headset ;
- power / sensitivity : > 150 mW on 30 to 600 ohms headset / 1,7 Vrms with 47 kohms, gain = 12 dB ;
- output impedance : < 0,15 ohms @ 1 kHz ;
- harmonic distortion : < 0,02 % on 300 ohms charge, output 1 Vrms, audio band ;
- signal-to-Noise ratio : > 90 dBA unweighted ;
- bandwidth : 10 Hz to 500 kHz with 300 ohms, 1 Vrms, -3 dB ;
- rise time : < 1 μ s 10 kHz, +/- 1V on 300 ohms charge ;
- mains connections : mains on base CEI with internal fuse ;
- volume adjustment : level from 0 to - 80 dB, max deviation 2 dB between channels L & R ;
- specifics functions : direct Cinch output for insertion of amp in sound feed line, either in monitoring loop output ;
- operating mode : permanently powered ;
- mains : 230 V / 115 V / 100 V +/- 10 %. Power < 2 W in standby mode ;
- weight & dimensions : 1,2 kg / 136 * 68 * 208 mm.

T-31H



SAFETY PRECAUTIONS

To reduce the risk of electrical shock, do not expose to rain, water, splattering, or humidity !

Do not open housing. Risk of electrical shock !

You must use the electrical cord supplied. Connect it to a grounded mains outlet !

Make sure that the operating voltage of the unit is the same as the voltage provided by your local electrical grid (local mains) !

Never short the headset output **3** !



The « CE » indication at the back of the T-3H indicates that the unit was developed and manufactured in conformity with the Electromagnetic compatibility and Low Voltage directives of the European Union.

SAFETY : HD 195-S6, EN 60065.

EMC : Emission EN 55013, Immunity EN 55020, conform to CISPR 16-1, CISPR 16-2, IEC 801-2 class B, IEC801-3 class A, IEC 801-4 class B.

INSTALLATION

First Power-Up

Plug into the mains your T-31H for the first time without connecting it to your hi-fi equipment or to a headset.

The display T-31H **1** on the front panel must light up. Then unplug the unit from the mains and proceed with the installation as described here below.

Connecting to a sound feed line

Whenever effecting such connections, it is recommended to first switch off all of the units making up your hi-fi equipment (your audio/video chain) and to abstain from wearing your headset yet. In any event, the insertion of a T-31H into your hi-fi system shall not degrade in any way the quality of your hi-fi sound connections – provided your T-31H remains powered on !

The desired source must be connected to the T-31H's input (CINCH input jacks **4**) with high quality modulation cords, the right-hand channel corresponding to the red jack and the left-hand channel to the white jack.

You have two possibilities to connect your T-31H :

- direct connection : Plug the sound feed line into the input **4** of your T-31H to, and connect the output **5** of your T-31H to the input of your amplifier or pre-amp. This type of connection is appropriate if you intend to use a single sound feed into your headset ;

- monitoring connection : Connect the input **4** of your T-31H with the monitoring output (or to the recording output) of your amplifier or pre-amp. You may also connect the output **5** of your T-31H to the input of a recorder or a processor used in a monitoring loop.

This type of connection is appropriate if you wish to feed several separate sound sources into your headset (such as CD, DVD, tuner, phono, tape ...), or if you have a complete audio/video system.

Connecting the headset

Plug your headset, fitted with a 6,35 mm stereo jack to the base headset output **3** on the T-31H's front panel. Avoid handling or fiddling with this plug whenever wearing the headset. Upon plugging in the headset make sure volume is set at its lowest value.

USE & MAINTENANCE

Power On and Off

The T-31H does not feature an off/on switch, because it was designed to remain permanently on so as to ensure optimal electrical and thermal operating conditions.

Upon first power-on, or whenever your T-31H has been disconnected from the mains for a long time, it is recommended that you wait for about one hour before use.

Should you not use your T-31H for a long period of time, simply unplug its power cord. It is recommended that when you do so you switch off your entire hi-fi system and disconnect your headset.

Warning : whenever the T-31H is in power-off mode (i.e. disconnected from the power supply) no equipment should be connected to the inputs/outputs ④ and ⑤ lest their sound quality become impaired.

Volume control

Warning : too high a sound volume used over long periods of time may significantly damage your hearing . Please be reasonable !

Volume is set by means of knob ② which controls a high quality ALPS stereo potentiometer. Upon first starting be sure to lower volume to its lowest level, i.e. the volume knob turned all the way to the left, before you put on the headset.

Routine maintenance

Warning : never ever conduct any care & maintenance-related tasks with the power on !

The T-31H was designed to operate for years without any maintenance nor adjustment.

If dust gathers on the unit simply wipe it off with a dry cloth.

In case the unit was dirtied or soiled do NOT use any detergent or solvent. Do not either use common household cleaning papers whose textures are abrasive. Use instead a soft wet cloth and if need be soap. Then carefully wipe the unit clean with the soft wet cloth.

Troubleshooting

Upon Power-on, the front panel light ① does not come "On" :

- check that the power cord is correctly plugged into the base ⑦ and connected to the mains ;
- check that the mains outlet is live.

Light ① comes "On" normally but the headset has no sound :

- check that the sound feed line is live (music is being fed) and that volume control ② is not turned all the way down (¼ knob revolution is enough) ;
- check that all the sources and the headset connections have been carried out as per instructions, and that all components are operating normally.

Bad sound quality (e.g. too loud, too weak, background noise, distortion, rumble ...) :

- check that you have properly observed all installation and operation recommendations in this manual ;
- check that the technical specifications of your other equipment are compatible with the specs of this unit : refer here to the « Technical Specifications » chapter.

After-sale service

There still is a problem with unit operation. Contact the seller of your unit or use the warranty as set out in the 'warranty' chapter of this manual.

WARRANTY

General conditions

Talisman Audio guaranties this equipment when used according to its technical specifications, against any manufacturing defects or component flaws.

This warranty applies to both materials and labor.

In case of defect Talisman Audio will, for TWO years from the purchase date, repair the unit free of charge to the owner. Shipping costs to the Talisman Audio premises shall be however borne by the owner of the unit under warranty.

Under no circumstances can this warranty give rise to any kind of damages or liability.

Talisman Audio guaranties the equipment only if :

- it was purchased either on the Talisman Audio web site, or through an official dealer ;
- the defect occurs within the two years period following the purchase ;
- the defect is not caused by an abnormal use of the product, or by an outside factor ;
- the product was not opened and modified by an outside personne.

After-sale service

The claim for warranty should be made in the following way :

- if the product was bought through an auditorium, please refer to this dealer who will examine your problem, will try to solve it and will give you the correct procedure to contact Talisman Audio, if necessary ;
- if the product was bought on the web site, then tell us directly about your problem using our email adress amplify@talisman-audio.com. You will then receive instructions for the return of your product.

MANUFACTURING

Talisman Audio products are manufactured by the Get Electronique Company, a French corporation incorporated under the register number RCS Castres 447 794 363.

All design and production procedures are carried out according to strict quality standards ISO9000:2000 (certificat n°124 832).

Talisman Audio certifies that all products delivered to its clients are individually tested and controlled, and that they comply with the acceptance criterias defined for each model.

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