

T - 35HP

OWNER'S MANUAL



TALISMAN
AUDIO

T-35HP

CONGRATULATIONS

The Talisman Audio team congratulates you for your acquisition of the high-end T-35HP headphone 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.

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) !

Do not short the headset output  !



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.

GENERAL INSTRUCTIONS

Unpacking

Upon unpacking you should find the following equipment and accessories :

- T-35HP 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>

Preparation and placement

Select an appropriate spot to place your T-35HP : 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-35HP listening experience.

- make sure that the T-35HP is placed on a hard surface with no vibrations ;
- also make sure that the T-35HP is not confined in a closed space, for the T-35HP will remain in a power-on status full time, and its pure class A status and mode of operation will cause a slight rise in the temperature of its casing ;
- avoid placing the T-35HP too close to other electrical equipment, as it could possibly cause static, background noise, vibrations, or excessive heating.

T-35HP

Unique features

OVERVIEW

The T-35HP 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-35HP headset features the following :

- pure A class operation ;
- full dual-mono structure ;
- high quality discrete components ;
- extremely wide bandwidth and very low distortion level.

Those characteristics derive from Talisman Audio's policy of using only the very best high-end components available : the T-35HP's sound is perfect because it builds on this technological base.

The T-35HP'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.

Lastly, the easy use and the technical performances of T-35HP were improved by two lines input will be selected, adjustment of gain, monitoring output and a true preamplifier output giving much possibilities to the T-35HP.

Front Panel

- 1 Power-on light.
- 2 Volume control knob.
- 3 Stereo jack 6,35 mm.

Back Panel and below view

- 4 CINCH line inputs IN1 et IN2.
- 5 CINCH monitoring output MON OUT.
- 6 CINCH preamplifier output PRE OUT.
- 7 Power supply (mains) at base.
- 8 Input selector IN1 ou IN2.
- 9 Gain selector.
- 10 Individual serial number.



T-35HP

INSTALLATION

First Power-Up

Plug into the mains your T-35HP for the first time without connecting it to your hi-fi equipment or to a headset.

The display T-35HP ❶ on the front panel must light up. Then unplug the unit from the mains and proceed with the installation as described here below.

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.

Connecting to a sound feed line

The desired source must be connected to the T-35HP's input (CINCH input jacks ❷) with high quality modulation cable, 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-35HP :

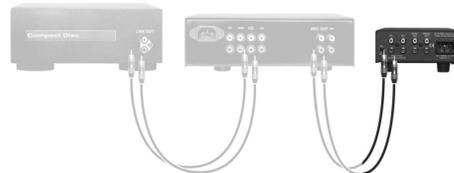
- the direct connection :

Connect one or two sources to the lines inputs IN ❷ and eventually the output MON OUT ❸ to input of your amplifier or preamplifier. It's a good connection to listen one or two sources with headphone ;

- the monitoring connection :

Connect the input ❷ of your T-35HP with the monitoring output (or to the recording output) of your amplifier or pre-amp. You may also connect the output ❸ of your T-35HP 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.



In any event, the insertion of a T-35HP into your hi-fi system shall not degrade in any way the quality of your hi-fi sound connections, provided your T-35HP remains powered on !

Connecting in preamplifier mode

The sound sources to listen must be connected to the inputs of T-35HP (CINCH line input IN ❷), by cables of modulation of high quality, the right way on the red CINCH (mark R), and the left way on the white CINCH (mark L).

With the preamplifier output (CINCH output PRE OUT ❹), you can transform T-35HP into true preamplifier line, with monitoring output (CINCH output MON OUT ❸) !

For that, to connect the preamplifier output ❹ to the amplifier line input, or of any other apparatus accepting this type of use.

Warning : avoid power on or power off the T-35HP whereas the amplifier is powered on.



Connecting the headphone

Plug your headset, fitted with a 6,35 mm stereo jack to the base headset output ❺ on the T-35HP'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-35HP 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-35HP 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-35HP 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-35HP is in power-off mode (i.e. disconnected from the power supply) no equipment should be connected to the inputs/outputs ④ and ⑤ .

Gain selector

To adapt as well as possible to the sensitivity of your headphone, as with that of your amplifier within the framework of a use in preamplifier, T-35HP is equipped with a gain selector ⑨ .

Optimal gain selection :

- high sensibility headphone, impedance lower to 100 ohms : gain 6 dB ;
- medium sensibility, impedance between 100 and 200 ohms : gain 12 dB ;
- low sensibility headphone, impedance higher to 200 ohms : gain 18 dB.

Source selector

You can select the input IN1 or IN2 with the input selector ⑧ . The selected input is directly connected to the output MON OUT ⑤ and preamplifying on the output PRE OUT ⑥ .

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, adjust volume to its lowest level, i.e. the volume knob turned all the way to the left.

Routine maintenance

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

The T-35HP 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.

TROUBLESHOOTING

Front panel light

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.

Sound

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 to ½ knob revolution is enough) ;
- check that all the sources and the headset connections have been carried out as per instructions and that all components of your audio system are operating normally.

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

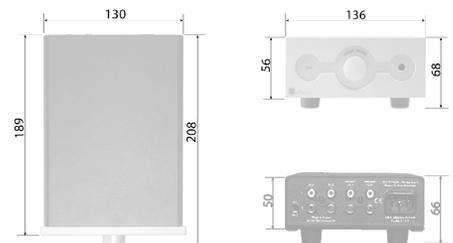
- check that you have properly observed all installation and operation procedures of this manual ;
- check specifications compatibility of your system with the T-35HP.

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.

TECHNICAL SPECIFICATIONS

Inputs	2 CINCH stereo inputs.
Outputs	1 CINCH direct stereo output. 1 CINCH pre-amplified stereo output. 1 amplified output 6,35 mm jack for electrodynamic headset.
Output level	Over 7 Vrms on 30 to 600 ohms headset.
Preamplifier output level	Over 7 Vrms, output impedance 100 ohms.
Output power	Over 150 mW on 30 to 600 ohms headset in A Class.
Input sensitivity	Gain 6 dB : 3,5 Vrms / 47 kohms. Gain 12 dB : 1,7 Vrms / 47 kohms. Gain 18 dB : 0,85 Vrms / 47 kohms.
Output impedance	Less than 0,1 ohm @ 1 kHz.
Harmonic distortion	Less than 0,02 % on 300 ohms charge, output 1 Vrms, audio band.
Signal-to-Noise ratio	Over 90 dBA unweighted.
Bandwith	10 Hz to 1 MHz @ -3 dB, 300 ohms 1 Vrms.
Rise time	Less than 0,5 μ s 10 kHz, +/- 1 V on 300 ohms charge.
Mains connection	Mains on base CEI with internal fuse.
Volume adjustment	Level from 0 to - 80 dB, max deviation 2 dB between L & R channels.
Specific functions	Two sources inputs selected, direct ouput, preamplifier output, three gain possibilities.
Operating modes	Permanently powered.
Main	230 V or 115 V or 100 V +/- 10 %. Nominal power in stdby < 5 W.
Weight	1,4 kg.
Dimensions	136 * 68 * 208 mm.



WARRANTY

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.

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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