

TANNOY®



HTS
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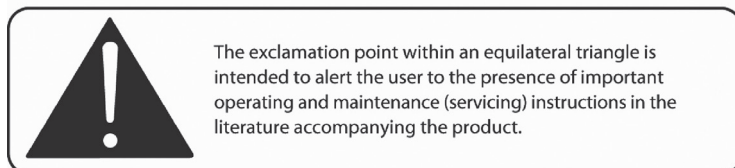
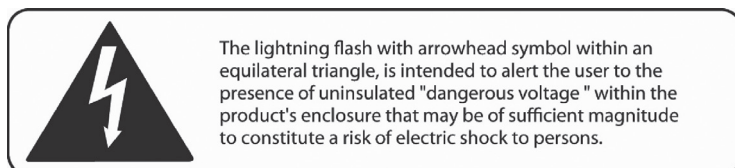
Owner's Manual

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1 IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Caution, do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. **WARNING:** Sharp points on supporting feet. Remove from product when not in contact with the floor surface.
9. This loudspeaker must only be used in open space
10. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
11. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
13. Only use attachments/accessories specified by the manufacturer.
14. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, please use caution when moving the cart/apparatus combination to avoid injury from tip-over.
15. Unplug this apparatus during lightning storms or when unused for long periods of time.
16. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped
17. **WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
18. To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle.
19. The mains plug of the power supply cord shall remain readily operable.



The below warning is located on the rear of the unit:

CAUTION		ATTENTION	
BEFORE OPENING PULL MAIN PLUG		DEBRANCHER CORDON SECTEUR AVANT D'OUVRI	

WARNING:

Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel.

Check that the voltage rating displayed on the rear panel is correct for your area before connecting. If it is incorrect, please refer to your local dealer or authorised service agent. Use only with the detachable power cord supplied with the apparatus, or by your local distributor or dealer.

2 FUSE PROTECTION

A mains fuse is provided in the IEC power inlet on the back of this apparatus, which can only be removed with the power cord unplugged. This must be replaced by a fuse of the same type and rating (see Specifications or refer to rear panel).

3 IMPORTANT NOTICE FOR THE UNITED KINGDOM (CONNECTING THE PLUG AND CORD)

The wires in the mains lead are coloured in accordance with the following code:

BLUE - NEUTRAL

BROWN - LIVE

As the colours of the wires in the mains cable may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Make sure that neither wire is connected to the earth terminal of the three pin plug.

4 WARNING - STRONG MAGNETIC FIELD

Due to the powerful drive unit magnet, do not place within 1 metre (3 foot) of a cathode ray tube (CRT) television or monitor. There is no issue with plasma and LCD devices.

5 ELECTROMAGNETIC COMPATIBILITY

This equipment has undergone safety and EMC testing, and complies with the European Low Voltage Directive 73/23/EEC and Electromagnetic Compatibility Directives 89/336/EEC and 2004/108/EC.

6 WARRANTY

No maintenance of the loudspeaker is necessary.

This equipment has been produced and tested with care and precision. It is built to give first class service and carries a 2 year warranty on the electronics and 5 years on the drive unit. If the equipment proves to be defective within this period for any reason other than accident, misuse, unauthorised modification or fair wear and tear, Tannoy will repair any such defect or, at our option, replace it without charge for parts, labour or return carriage. This warranty is given in addition to the customer's statutory rights.

If you suspect a problem with your loudspeaker, please contact your local Tannoy dealer who will be able to advise on appropriate action. If you require further assistance, then we ask you to deal directly with your local Tannoy distributor. If you cannot locate your distributor, please contact us directly:

Customer Services, Tannoy Ltd., Rosehall Industrial Estate, Coatbridge, North Lanarkshire, ML5 4TF, Scotland

Telephone: 01236 420199 (National)
+44 1236 420199 (International)

Fax: 01236 428230 (National)
+44 1236 428230 (International)

Email: enquiries@tannoy.com

DO NOT SHIP ANY PRODUCT TO TANNOY WITHOUT PREVIOUS AUTHORISATION

7 CONNECTING THE HTS SUBWOOFER TO YOUR SYSTEM

This high performance subwoofer has been built and tested with care and precision, to provide first class performance and reliable operation. To ensure maximum benefit from ownership, and for reasons of safety, please read the following information before using for the first time.

The HTS subwoofer should be connected directly to your 5.1 decoder, AV home cinema receiver or integrated DVD/ decoder/ amplifier as follows:

- Locate the RCA or phono socket on your equipment labeled 'LFE OUT', 'SUB OUT' or 'SUBWOOFER OUTPUT'.
- Using a single RCA to RCA (also known as phono to phono) good quality interconnect cable of suitable length, connect from the 'LFE/ SUB/ SUBWOOFER OUTPUT' on your equipment to the 'LINE INPUT' on the subwoofer.
- Locate and connect the mains lead supplied to the HTS subwoofer.

DO NOT CONNECT THE MAINS LEAD (POWER CORD) TO THE MAINS POWER SUPPLY JUST YET.

8 ALTERNATIVE METHODS OF SUBWOOFER CONNECTION

If you are using the subwoofer with equipment which does not have a special subwoofer output, or, for simple 2 channel stereo with additional subwoofer (2.1 operation) you can connect the subwoofer using your amplifier's speaker output terminals to provide speaker signal level feeds to the HTS subwoofer 'SPEAKER LEVEL' inputs as follows:

- Prepare 2 lengths of twin speaker cable. One from the left channel amplifier output terminals to the subwoofer and one from the right channel amplifier output terminals to the subwoofer.
- Remove the existing speaker cables from your amplifier terminals in turn and twist the speaker and subwoofer signal feed cables together and reconnect to each terminal. Remember to keep +/RED to +/RED and -/BLACK to -/BLACK meticulously on both sets of cables.
- If your amplifier has two sets of speaker terminals, usually labeled 'A' and 'B' you can use the unused second set to connect the subwoofer feed cables. Remember to switch the second set of speakers ('B') to 'on' if necessary.
- Make sure the polarity of the speaker cables and the subwoofer cables is correct - failure to observe this may result in short circuits and consequential damage to your amplifier.
- At the subwoofer connect the left feed cable to the SPEAKER LEVEL terminals marked + LEFT - and the right feed cable to the terminals marked + RIGHT –
- Do not switch the subwoofer on at this stage. Make sure that the mains power switch on the subwoofer is set to OFF by pushing the power switch rocker adjacent to the OFF label and that the mains lead is not connected to the wall socket.

9 SETTING UP TO LISTEN

- As the subwoofer produces bass sounds only, it is difficult to detect its location by ear. Ideally though, position the subwoofer alongside the wall nearest to the screen. A corner position will produce more bass output for a given volume setting.
- Make sure the POWER switch on the HTS subwoofer is in the OFF position. Set the subwoofer controls as follows:
- Set the HTX subwoofer VOLUME to MIN, PHASE SWITCH to 0, CROSSOVER to half way between 50 and 200 (marker pointing vertically).
- Set your 5.1 receiver/ decoder to SMALL SPEAKERS, LFE or SUB output to ON, switch the rest of your system ON and play a favourite movie. Refer to the equipment manufacture's instruction manual if you need help in making these settings.
- Connect the HTS subwoofer to a convenient mains socket using the lead and plug supplied.
- Switch the HTS subwoofer to ON and set the VOLUME half way between MIN and MAX. Assess the bass signal strength and adjust VOLUME accordingly. The purpose of a subwoofer is to enhance the bass or low frequencies but not to overpower the music or film dialogue.
- The set up can be checked by using the noise signal calibration facility in most 5.1 receivers/decoders. Using this noise signal the HTS subwoofer will produce a low frequency sound a little like a continuous distant thunderstorm. The noise signal should be of the same loudness from all the speakers as the test signal cycles round the system. Adjust the individual channels on the decoder to achieve this.
- If it proves impossible to produce an even and well integrated bass with your main loudspeakers, try setting the PHASE switch to 180. You may also wish to experiment with the CROSSOVER frequency setting.

10 AUTO POWER/ SLEEP FUNCTION

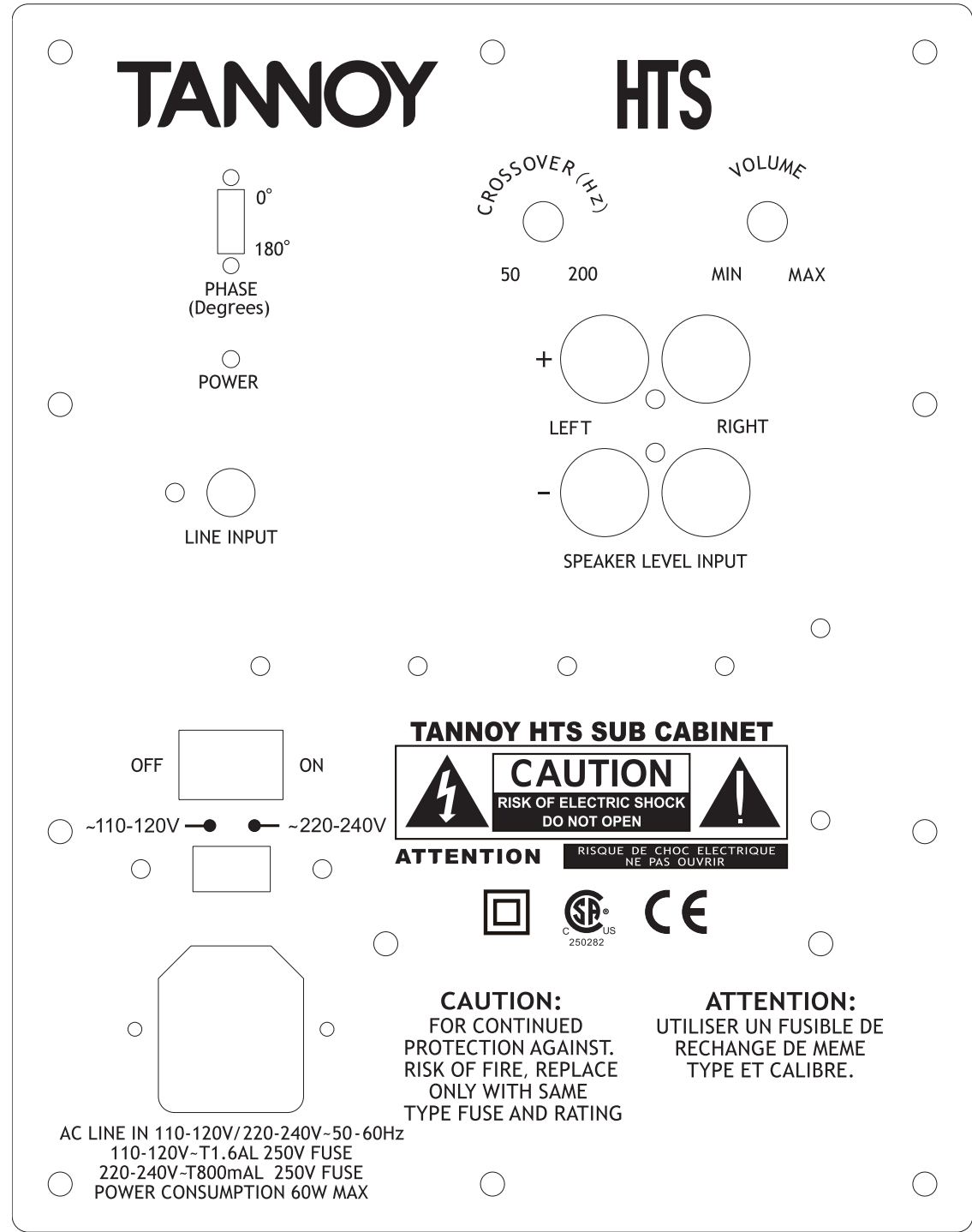
The HTS subwoofer can be left permanently switched ON. When a signal is present from the 5.1 decoder it will 'waken up' and operate normally. When a signal is absent for approximately 20 minutes it will go back to 'sleep mode' and consume very little power. If you are not using your subwoofer for long periods of time, for example going on holiday, then switch to OFF and remove the power cable plug from the mains outlet.

11 CARE OF CABINET

The cabinet should only be cleaned with a dry cloth, or with a light application of quality non-silicone furniture polish.

12 TECHNICAL SPECIFICATION

Power Output	100 Watts
Frequency Response (-6dB)	29Hz – 200Hz
Crossover Frequency	50Hz – 200Hz, variable control
Driver	200mm (8") paper cone, long throw
Inputs	LFE / Line Input (RCA / phono), or Left & Right speaker level inputs
Power Requirements	115 or 230V AC Nominal, 50- 60Hz (switchable), 60VA maximum
Fuse Rating	AC 110 - 120V T1.6AL 250V AC 220 - 240V T800mAL 250V
Additional Features	Energy saving AUTO power function Switchable Phase, 0 or 180 degrees Volume and Crossover Frequency controls
Magnetic Shielding	No
Dimensions (including feet) (H x W x D)	420mm x 275mm x 370mm (16.5" x 10.8" x 14.6")
Weight	10.0kg (24.3lbs)
Supplies Accessories	Country specific mains cable (cord)



14 DECLARATION OF CONFORMITY

The following apparatus is/are manufactured in China by Tannoy Ltd of Rosehall Industrial Estate, Coatbridge, Scotland, ML5 4TF. The following equipment is marked with the CE label and conform(s) to the protection requirements of the European Electromagnetic Compatibility Standards and Directives. The apparatus is designed and constructed such that electromagnetic disturbances generated do not exceed levels allowing radio and telecommunications equipment and other apparatus to operate as intended and, the apparatus has an adequate level of intrinsic immunity to electromagnetic disturbance to enable operation as specified and intended.

HTS

Details of the Apparatus: HTS Subwoofer

The equipment listed above is covered by this certificate and marked with the CE- label, conforms to the following standards:

EN 60065 (IEC 60065)	Safety requirements for mains operated electronic apparatus for household and similar general use.
EN 55013	Sound and television broadcast receivers and associated equipment. Radio disturbance characteristics, limits and methods of measurement.
EN 55020	Sound and television broadcast receivers and associated equipment. Immunity characteristics, limits and methods of measurement.

With reference to regulations in following directives:
73/23/EEC, 89/336/EEC and 2004/108/EC

Signed:



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Position: Director of Engineering

Date: 15/12/2009

For Tannoy Ltd.

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