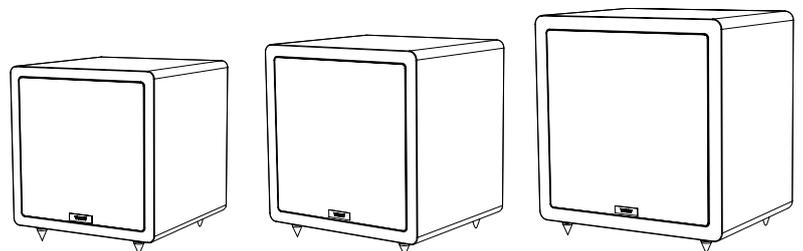


TANNOY®

TS:SUB
OWNER'S MANUAL

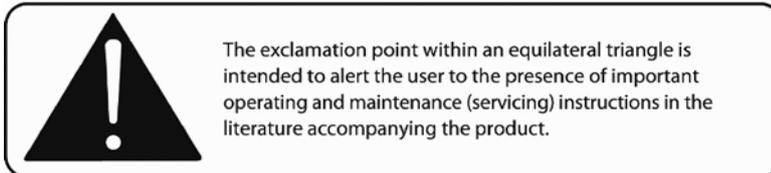
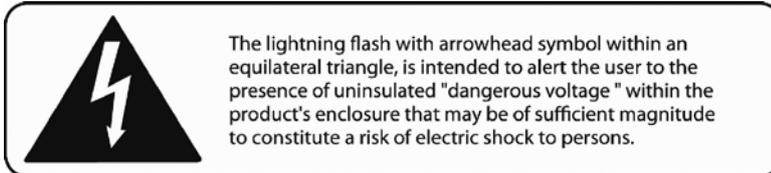


IMPORTANT SAFETY INSTRUCTIONS

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. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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
15. **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.
16. To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle.
17. The mains plug of the power supply cord shall remain readily operable



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



ATTENTION **RISQUE DE CHOC ELECTRIQUE**
NE PAS OUVRIR

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 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.

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)

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.

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.

FCC INFORMATION (USA ONLY)

CAUTION: Any change or modification to this unit could void your authority to operate this equipment, granted by the FCC.

This apparatus has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used according to these instructions, may cause harmful interference to other electronic equipment. However, there is no guarantee that interference will not occur in all installations. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a different circuit than the receiver.
- Consult your dealer or an experienced radio/ television technician for help.

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.

WARRANTY

No maintenance of the TS Subwoofer 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 subwoofer, 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

UNPACKING

To unpack the subwoofer, remove the tape from the top of the carton then fold the flaps right back before inverting the carton and contents. Lift the carton clear of the contents, then remove all inner packaging.

Check carefully for any sign of transit damage. In this unlikely event, notify your shipping company and/or dealer as soon as possible for advice.

It is recommended you store all the packaging to allow protected transport in future.

Ensure that the following accessories are present:

- Mains cord appropriate to your country of use.
- 4 x screw-in cones, for floor coupling.
- 4 x lock nuts.
- 4 x metal cups, for protection of delicate floor surfaces.

FITTING OF FEET

Screw the four cones into the inserts on the base of the cabinet. The points on these cones are designed to go through the weave on a carpet without damage, for rigid and vibration free coupling to the floor surface below. Adjust the lock nuts for stable positioning. With wooden or other delicate floor surfaces, place the metal cups under the cones, to avoid damaging the floor surface.

POSITIONING

The performance of any subwoofer is greatly influenced by the room placement. Corner placement will increase the amount of bass, by using either of the corners next to the front channel loudspeakers. Placing centrally along this wall will result in less bass, while moving the subwoofer out into the room will give less bass still. Be prepared to experiment with both position and the subwoofer controls to get the best results.

Remember that the object of a subwoofer is to enhance the output of your main speakers, not overpower it.

CONNECTING TO YOUR SYSTEM

ALWAYS MAKE AND CHECK ALL CONNECTIONS BEFORE PLUGGING THE SUBWOOFER INTO THE MAINS.

Connection may be made either at LINE level, using the phono connectors on the back of the unit, or using the nearby speaker HI LEVEL terminals, which require bare wire or 4mm speaker plugs.

FOR LINE LEVEL CONNECTION

For use with an AV receiver or DVD receiver, connect a screened phono cable from the receiver SUB output to either RIGHT or LEFT low level phono input on the rear of the subwoofer.

NOTE: FOR THIS MODE OF OPERATION, THE CROSSOVER FREQUENCY CONTROL ON THE SUBWOOFER SHOULD BE INITIALLY SET TO 'LFE'- YOUR AV RECEIVER OR DVD RECEIVER WILL DETERMINE THE EXACT CROSSOVER FREQUENCY, TYPICALLY 80HZ.

If you are using the subwoofer with a 2 channel or stereo system and your preamplifier has a spare set of outputs, connect left and right to the subwoofer L and R inputs using screened phono cables.

FOR SPEAKER LEVEL CONNECTION

If you wish to connect to a 2 channel or stereo system using your amplifier speaker outputs, proceed as follows. Using a length of speaker cable for each channel, wire your amplifier outputs to the subwoofer HIGH LEVEL terminals, ensuring that red (+) goes to red (+), and black (-) to black (-). Double check connections before switching on the subwoofer and your stereo amplifier.

CONTROLS AND ADJUSTMENTS

With the exception of the main power switch, all control settings are accessed by the cursor keypad on the top of the subwoofer cabinet, next to the display.

After powering on, the stored settings are loaded, and the display shows the default screen, stating product name.

There are two specific menus in terms of operation:

USER- this gives access to commonly needed settings

SETUP- this gains access to more advanced settings and adjustments

USER CONTROLS

There are two functions available:

VOLUME- pressing any button gains access to this function. The LEFT and RIGHT arrow buttons are used to decrease or increase volume respectively. After five minutes of no activity, the default screen is again shown.

PRESET- from the VOLUME menu, press either UP or DOWN buttons. There are three options of either AUDIO, VIDEO or NIGHT mode. These can be selected using either the LEFT or RIGHT buttons. Return to the VOLUME menu using either the UP or DOWN buttons.

AUDIO: This gives the flattest and most extended frequency response, ideal for the accurate reproduction of music.

VIDEO: This gives boost to certain low frequencies, to give enhancement to movie special effects.

NIGHT: This reduces both the output level and bass extension of the subwoofer, to avoid disturbance of those nearby.

SETUP CONTROLS

This menu is accessed by pressing the ENTER (centre) button for more than three seconds, and gives access to the following options, selected by the UP and DOWN buttons:

LOWPASS- This is used to adjust the subwoofer's upper frequency limit to achieve a correct balance with the main speakers. The LEFT and RIGHT buttons give a range of 50Hz to 150Hz. Attempting to increase the limit beyond 150Hz switches the subwoofer filter out, into so called LFE mode (Low Frequency Effects), where the filters in the AV receiver are left to set the transition to the main speakers, generally at 80Hz. This is the most common form of operation, but refer to the manual of your AV receiver for more details. Sometimes, in a difficult acoustic environment, it is beneficial to provide additional filtering within the subwoofer, even though the AV receiver has been set in LFE mode.

PHASE- This can be adjusted between 0 degrees (in phase) to 180 degrees (out of phase), using the LEFT and RIGHT buttons. The correct setting depends on room acoustics and the position of the subwoofer in the room. Starting with the 0 degrees setting, then the 180 degree setting, see which one results in the greatest amount of bass at the listening position, being aware that all bass frequencies should sound evenly balanced. This is generally easier to achieve using music. If neither setting is satisfactory, try the intermediate settings.

SHELF- This gives either a progressive increase or reduction of output with reducing frequency, down to 35Hz. A range from -6dB to +6dB is available using the LEFT and RIGHT buttons respectively. This control can be used to tailor to subwoofer more accurately to the room or to personal taste. This function is intended for advanced users or installers, and for general use should be set to 0dB (IE no boost or cut applied).

PEQ GAIN- Parametric Equaliser gives a boost or cut to a narrow range of frequencies to compensate for room resonances and other effects, and is again aimed at advanced users and installers. A range from -6dB to +6dB is available using the LEFT and RIGHT buttons respectively.

PEQ WIDE- This selects the width of frequencies boosted or cut. Use either the LEFT or RIGHT buttons to select between NARROW (Q=6), NORMAL (Q=3.5) or WIDE (Q=2).

PEQ FREQUENCY- Selects the frequency at which the maximum boost or cut occurs. Use the LEFT and RIGHT buttons to vary between 20Hz and 100Hz.

POWER- Use either the LEFT or RIGHT buttons to select subwoofer ON, OFF or AUTO. In AUTO mode, the subwoofer will switch on in the presence of a signal, reverting to STANDBY if no signal is detected for approximately 15 minutes. In ON mode, the subwoofer is left powered continuously. ON state is indicated by the light behind the speaker cloth glowing green, while OFF or STANDBY is indicated by red.

BRIGHTNESS- Use either the LEFT or RIGHT buttons to set display brightness to LOW, MEDIUM and HIGH.

EXIT- Use either LEFT or RIGHT buttons to select YES or NO, then centre button to exit to the initial default screen.

REMOTE CONTROL

An IR remote control sensor is provided behind the grille cloth on the front of the subwoofer, to enable USER settings to be changed by a universal remote control or system controller.

The hexadecimal control codes are as follows:

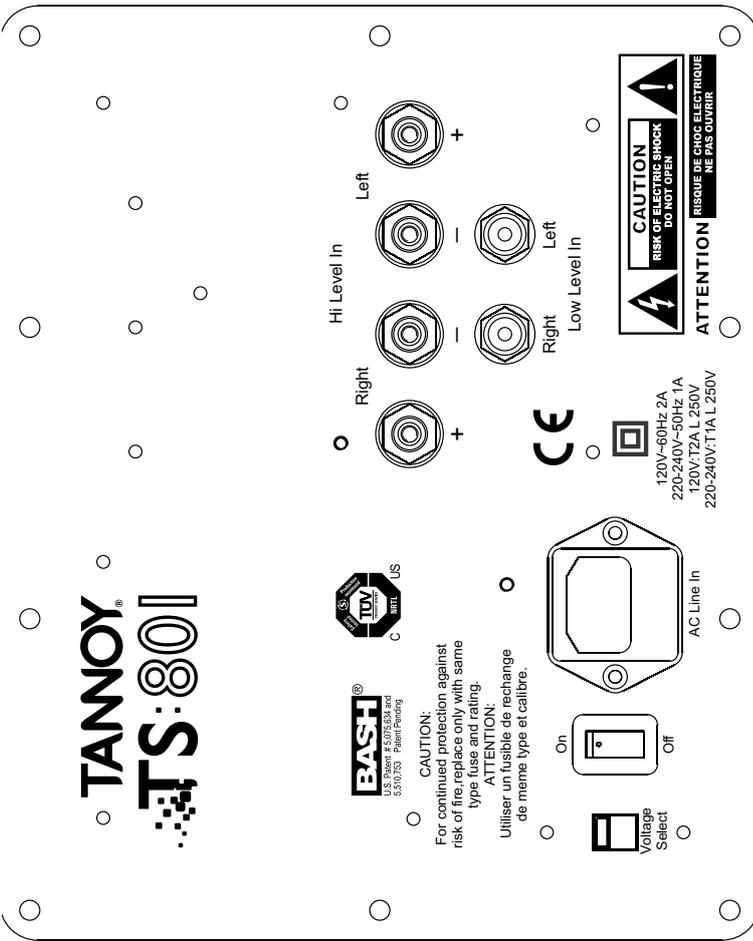
Manufacturer code:	A55A
Volume up:	20DF
Volume down:	A05F
Audio:	807F
Video:	C03F
Night:	40BF
Power:	00FF

Please refer to the instruction manual for your remote control or system controller, as Tannoy are not able to offer technical support in this matter. A dedicated remote control is not available.

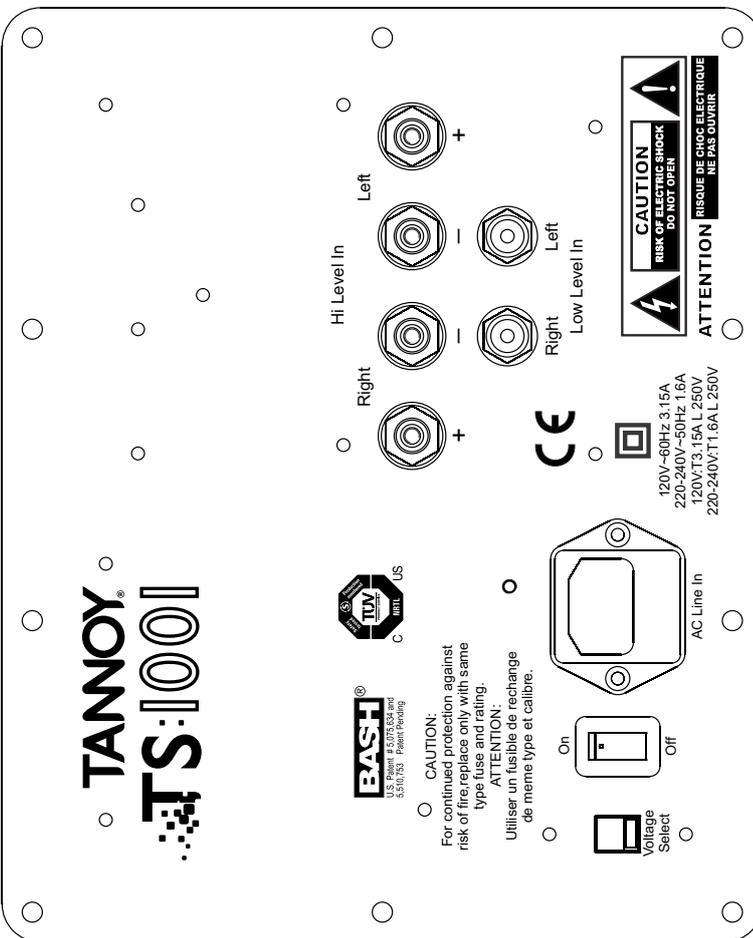
CARE OF CABINET

Clean only with a soft dry cloth. The front speaker grille assembly is not removable.

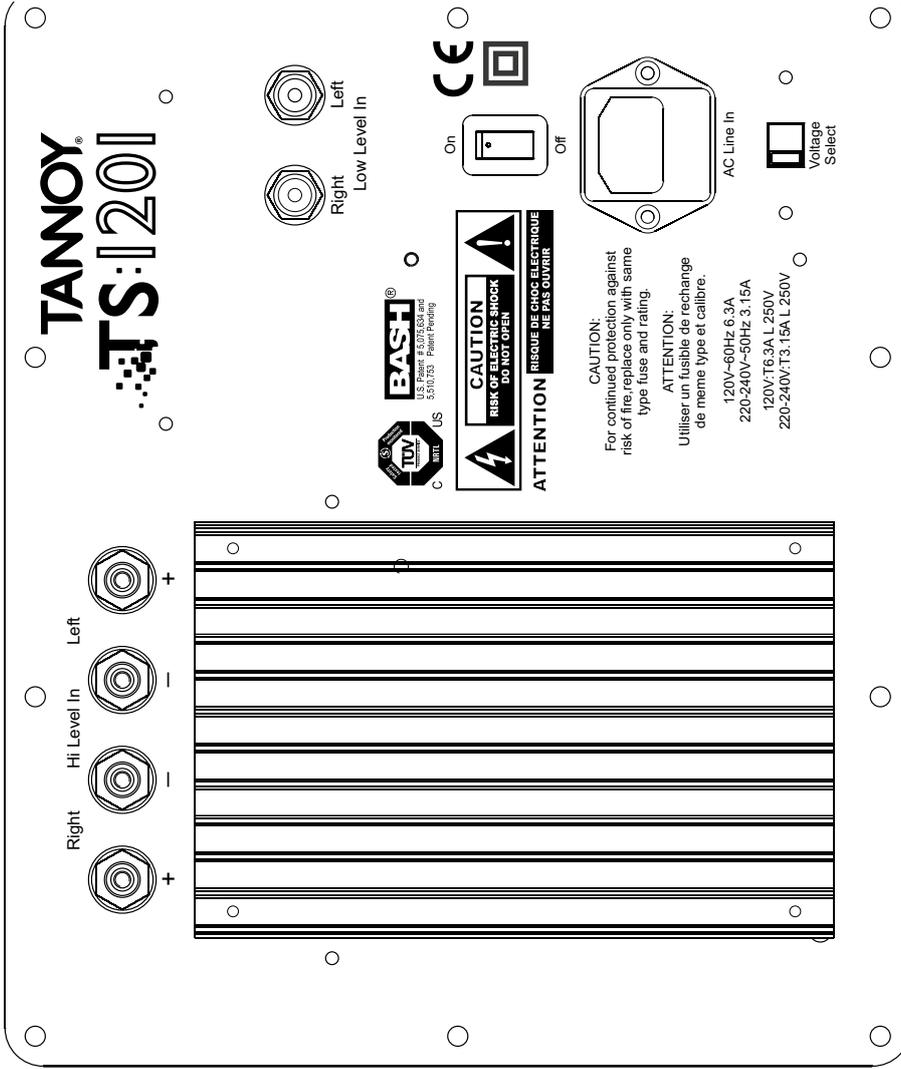
REAR PANEL LAYOUT TS801



REAR PANEL LAYOUT TS1001



REAR PANEL LAYOUT TS1201



TECHNICAL SPECIFICATION

	TS801	TS1001	TS1201
Output Power	200W RMS	300W RMS	500W RMS
Low Frequency Response (-6dB) (Typical In Room)	29Hz	24Hz	21Hz
Inputs	2 x Phono Line Level, 2 x Speaker Level		
Input Filter	50-150Hz, 2nd Order Low Pass, with LFE Provision		
Auto Mute	After Approximately 15 mins in Absence of Input Signal		
Driver Type	200mm (8")	250mm (10")	300mm (12")
Enclosure Type	Closed Box, Forward Firing		
Enclosure Volume	16 litre (0.57 cu. ft.)	23 litre (0.81 cu. ft.)	32 litre (1.13 cu. ft.)
Additional Features	Mode Presets: Audio, Video, Night Variable Phase Control, 0-180 degrees Shelf Filter +/- 6dB Range, Lower Limit 35Hz Parametric Equaliser (PEQ). +/- 6bB Range, 20-100Hz, Wide Setting (Q=6), Normal (Q=3.5), Narrow (Q=2) Infra Red (IR) Receiver Functionality		
Enclosure Dimensions, (W x H x D)	300 x 300 x 280mm	340 x 340 x 305mm	365 x 365 x 355mm
Excluding Feet	11.81 x 11.81 x 11.02"	13.39 x 13.39 x 12.00"	14.37 x 14.37 x 13.98"
Enclosure Weight	9.3kg (20.5lbs)	12.1kg (26.7lbs)	16.7kg (36.8lbs)
Mains Voltage	120V Nominal AC 60Hz, 230V Nominal 50Hz (Switchable)		
Maximum Power Consumption	312VA	475VA	810VA
Mains Fuse	120V-T2AL 250V 230V-T1AL 250V	120V-T3.15AL 250V 230V-T1.6AL 250V	120V-T6.3AL 250V 230V-T3.15AL 250V

NOTE: Tannoy adopts a policy of continuous improvement and product specification is subject to change without notice.

NOTES

Tannoy United Kingdom	T: 00 44 (0) 1236 420199	E: enquiries@tannoy.com
Tannoy North America	T: 00 1 (519) 745 1158	E: inquiries@tannoyna.com
Tannoy Deutschland	T: 00 49 (180) 1111 881	E: anfragen@tannoy.com
Tannoy France	T: 00 33 (0)1 7036 7473	E: ventes@tannoy.com



Tannoy adopts a policy of continuous improvement and product specification is subject to change.