



User Guide

TI 1000 5.1 Speakers



Please read this user manual carefully before using your TI 1000 5.1 Speakers and retain for future reference.

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SAFETY

Safety precautions



A triangle with a lightning symbol draws the user's attention to "dangerous voltage"

without insulation in the cabinet, which may be high enough to entail a risk of an electric shock.



A triangle with an exclamation mark draws the user's attention to important instructions

for use and maintenance in the accompanying manual, which should be studied and adhered to.



The symbol for a CLASS II (double insulation) product.

Warning:

To minimise the risk of fire or electric shock, do not expose the unit to liquid or moisture. Do not open the cabinet as it contains dangerous voltages. Only qualified technicians are allowed to carry out repair and service of this system.

If the plug of the power cord needs to be replaced. It is important that the replacement is identical to the plug that needs to be replaced, or that the new plug has been recommended by the manufacturer.

Caution:

To avoid electric shock, it is important to insert the plug correctly into the wall outlet.

Important safety instructions

Warning:

It is important that you read and observe both the instructions in this manual and the instruction on the unit. Keep this manual for safe future reference. This unit was designed and manufactured with a view to providing maximum safety for the user. Incorrect use of the unit may cause an electric shock or fire. The protection devices built into this unit will protect the user if the procedures below are observed in connection with installation, use and repair. This unit is fully electronic and contains no parts that can be repaired by the user.

Read the manual

After unpacking the unit, please read the manual carefully and observe all the instructions given.

Power supply

Only the power supply indicated on the rating plate must be used for this unit. If you are not sure which power supply you have, please contact your local dealer.

Earthing or polarisation

If the plug cannot be inserted properly into the socket, or if the plug does not fit, the unit must not be used in your country.

Heat

Do not place the unit near sources of heat such as radiators, ovens or other units that produce heat.

Water and moisture

The unit must not be placed close to water, such as bathtub, wash basin, kitchen sink or washing machine, in a damp cellar or close to a swimming pool, etc.

Cleaning

Unplug the unit before cleaning. Do not use liquid detergents and aerosol cleaning agents. Use a dry clean cloth.

Power cords

Wiring must be organised to prevent people from stepping on the cables and to avoid pinching by objects placed on or beside them. Take special care around sockets and plug boxes and where the power cords leave the unit.

Lightning

Unplug the unit for additional protection during storms or when the unit is not used for prolonged periods. This will prevent damage to the unit from lightning and power surges.

Important safety instructions

Penetration of objects and liquid

Never push any foreign objects through the openings into the unit, as they may touch dangerous voltage points or short-circuit parts and cause fire or an electric shock. Do not spill liquid onto the unit.

Accessories

Do not place the unit on unstable surfaces such as a trolley, stand, tripod, shelf or table. The unit may fall and cause serious injury to persons or damage to the unit. Use only trolley, stand, tripod, shelf or table that is very stable or provided with the unit. The unit must be installed in accordance with the manufacturer's instructions and by means of installation equipment recommended by the manufacturer. If the unit is placed on a trolley, the trolley must be moved very carefully. Sudden stops, unnecessary force and uneven surfaces may cause the trolley to turn over.



Loads

Do not place heavy loads on the unit and do not step on it. The load may fall and cause serious injury to persons or damage to the unit.

Damage

Unplug the unit and contact qualified technicians in the following cases:

- A. If the power cord or the plug is damaged.
- B. If liquid has been spilled on the unit or objects have fallen into the unit.
- C. If the unit has been exposed to liquid or moisture.
- D. If the unit does not work properly after adhering to the instructions in the operation manual. Only the settings described in the operation manual must be made as incorrect setting may result in damage and often will make it difficult for a qualified technician to make the unit work properly again.
- E. If the unit has been dropped or damaged in any other way.
- F. When the operation of the unit changes drastically, the unit requires service.

Service

Do not attempt to carry out any service work by yourself. By opening or removing the cover, you will be exposed to dangerous voltage or other hazards. Any service work should be carried out by qualified technicians.

Recycling

If at any time in the future you need to dispose of this product please note that waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



Approval

This product complies with European Low Voltage and Electromagnetic Compatibility Directives when used and installed according to this instruction manual.



SAFETY

Important safety instructions

Overloading

Do not overload wall outlets or extension cords as this can result in the risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cables, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in electric shock or fire hazard. Periodically examine the power cable - if its appearance indicates damage have it replaced by your service technician.

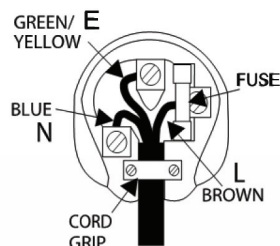


Heat dispersion

Leave at least 10 cm of space between the top, back and sides of the unit and the wall or other components for proper ventilation.

Plug fitting instructions (UK only)

The cord supplied with this appliance is factory-fitted with a UK mains plug fitted with a 5-amp fuse inside. If it is necessary to change the fuse, it is important that a 5-amp fuse is used. If the plug needs to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug must then be disposed of safely, as insertion into a mains socket is likely to cause an electrical hazard. Should it be necessary to fit a 3-pin BS mains plug to the power cord, the wires should be fitted as shown in this diagram.



The colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug. Connect them 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. The wire which is coloured GREEN/YELLOW must be connected to the terminal which is marked with the letter 'E' or coloured GREEN. If a standard 13-amp (BS 1363) plug is used, a 5-amp fuse must be fitted or, if any other type of plug is used, a 5-amp fuse must be fitted, either in the plug or adaptor, or on the distribution board.

INCLUDED IN THE BOX

Accessories

Included with the TI1000 5.1 Speakers are the following accessories:

1 x User Manual

1 x Mains Plugs

1 x 25m Speaker Cable

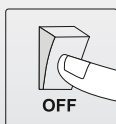
1 x 5m RCA Cable



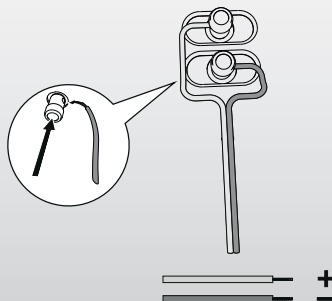
Please save your packaging as you will need this in the event of warranty/service repair or support. We are unable to carry out warranty/service if you are unable to package it correctly. The safest way to package your item in the event of warranty/service repair is in its original box/packaging.

SETUP

Turn off all equipment

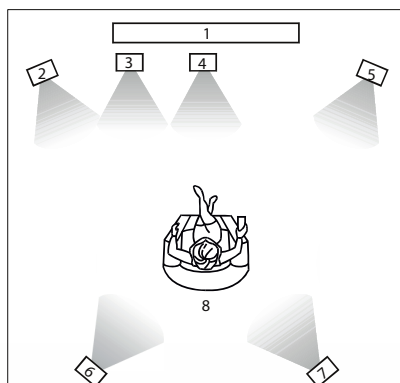


Installation



LOUDSPEAKER POSITIONING

Standard speaker setup for surround sound



- | | | |
|---------------------------|------------------------|--------------------------|
| 1. TV or Screen | 2. Front Left Speaker | 3. Subwoofer |
| 4. Centre speaker | 5. Front Right Speaker | 6. Surround Left Speaker |
| 7. Surround Right Speaker | 8. Listening Position | |

Standard speaker setup for surround sound

1. Front Right and Left speakers - These are the main speakers providing the front stereo effect of the sound image.
2. Centre speaker - Produces a rich sound image by serving as a sound source for the front right and left speakers and enhancing the sonic movement.
3. Surround Right and Left speakers - Adds three-dimensional sonic movement and produces environmental sound associated with the background and effect sound for each scene.
4. Subwoofer - Produces powerful and heavy bass.

Important points regarding speaker placement

Front Right, Left speakers and Centre speaker

Place these three speakers all at the same height.

Place each speaker so that it is aimed at the location of the listener's ears when at the listening position.

Place left and right speakers at the same distance from the listening position.

Subwoofer

Ideally a subwoofer should always be located in front of the listening position between the Front Left and Right speakers. Since all rooms vary, experiment with the placement of your subwoofer for the best overall sound image (placing a subwoofer in the corner of a room often helps to disperse the sound).

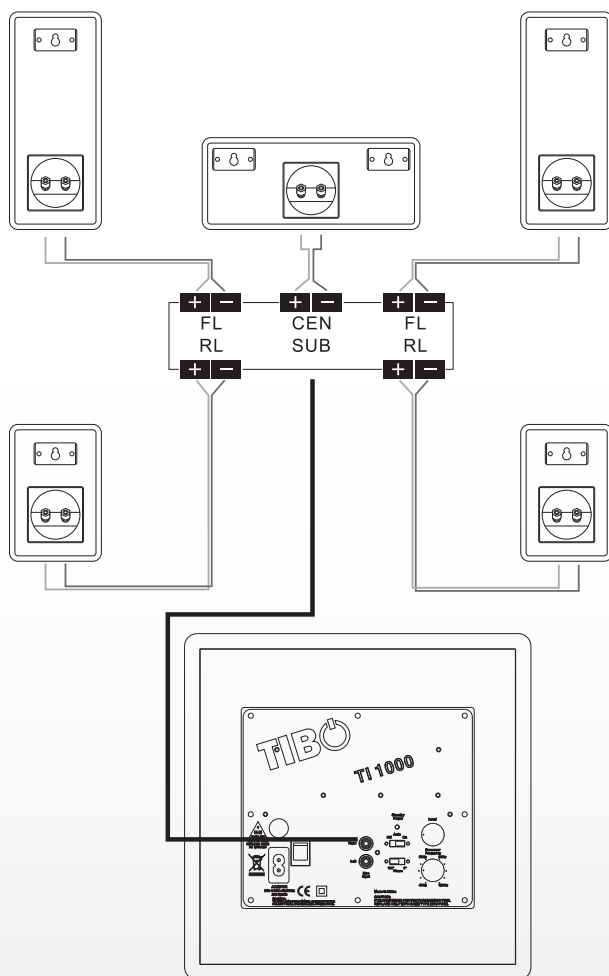
Surround Left and Right Speakers

Place these two speakers all at the same height.

Place each speaker so that it is aimed at the location of the listener's ears when at the listening position.

Place left and right speakers at the same distance from the listening position.

CONNECTIONS



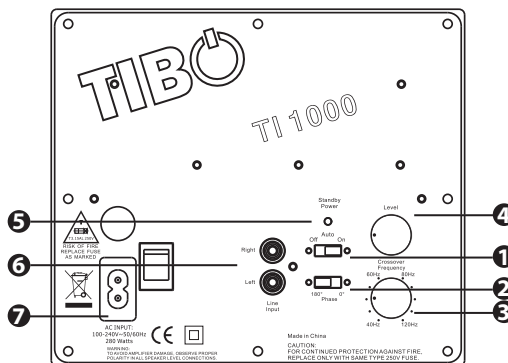
WALL MOUNTING SPEAKERS

Mounting of this unit to the wall should be carried out by qualified technicians. Install in an appropriate location only after checking wall structure and durability for accident prevention. Also make sure there are no cables nor pipes in the wall before drilling. Consult a qualified builder if in any doubt as to the structural integrity of the wall.

TIBO can accept no responsibility for damage to equipment whilst assembling or mounting this unit.

SUBWOOFER CONTROLS

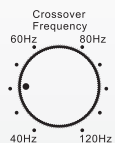
1. Sensitivity
2. Phase
3. Crossover
4. Level
5. Status
6. Line Input
7. AC Power Input



With this switch set to **AUTO (1)**, when not in use the Subwoofer shuts down to save power and switches on when it senses a signal. This can be over-riden by switching to ON or OFF.



The **Phase Switch (2)** changes the phase of the Subwoofer so that it works in phase with the rest of the speakers in the system. Place the Subwoofer more than 1 metre away from the front speakers and switch the phase between 0° and 180°. When the Subwoofer sounds louder and fuller then it is in phase.



The **Crossover control (3)** changes the frequency at which the Subwoofer starts to work. It is recommended that the crossover point is set to the 'AV' setting on the dial when used with the TI 1000 5.1 System. If you are using the Subwoofer with a non TIBO system then you change the crossover point to suit your system.



The **Level Control (4)** increases or decreases the volume of the Subwoofer in relation to the other speakers in the system. Start with the volume at 0 on the dial then turn it up slowly until you can hear it. The Subwoofer should be heard as part of the overall sound and not overpower the rest of the system. There is no rule for setting the volume on the Subwoofer so experiment with different music and films to set it to your tastes.



The **Line Input-LFE (6)** is TIBO preferred AV connection to the amplifier. Using the cable provided, connect this to the Subwoofer output on your AV amplifier or DVD. Use R and L if your amplifier output is split left and right.

SPECIFICATION

Front LCR Satellite speaker

- » Enclosure Type: 2-way bass reflex enclosure.
- » Enclosure Material: MDF with Leather.
- » Low Frequency (woofer): 2pcs x 3inch (7.62cm) glass fiber cone Long Throw.
- » High Frequency (tweeter): 0.75inch (1.9cm) silk dome with Neodymium magnet.
- » Power Handling: 15 - 100W.
- » Frequency: 95Hz - 20Khz.
- » Sensitivity: 85dB @ 2.83V (Free Space).
- » Impedance: 6 ohm.
- » Overall Dimensions: (HxWxD) 101 x 241 x 101mm.
- » Weight (Net): 1.48Kg.

Rear LR Satellite speaker

- » Enclosure Type: 2-way bass reflex enclosure.
- » Enclosure Material: MDF with Leather.
- » Low Frequency (woofer): 3inch glass fiber cone Long Throw.
- » High Frequency (tweeter): 0.75inch (1.9cm) silk dome with Neodymium magnet.
- » Power Handling: 15 - 70W.
- » Frequency: 110Hz - 20Khz.
- » Sensitivity: 83dB @ 2.83V (Free Space).
- » Impedance: 6 ohm.
- » Overall Dimensions: (HxWxD) 151x101x101mm.
- » Weight (Net): 0.92Kg.

8inch (20.32cm) active subwoofer

- » Enclosure Type: Sealed Enclosure.
- » Enclosure Material: MDF with Leather.
- » Low Frequency (woofer): 8inch High-Excursion Driver.
- » Power: 100V-240V 50/60Hz.
- » Power Handling: 150W Class-D.
- » Frequency: 35Hz - 200Hz.
- » Overall Dimensions: (HxWxD) 271x271x271 (Excluding feet).
- » Weight (Net): 6.6Kg.

* Design and specifications are subject to change without notice.

AV AMPLIFIER CONFIGURATION

Front Speakers	Small
Centre Speakers	Small
Surround Speakers	Small
Subwoofer	Yes
Subwoofer Frequency	30Hz - 220Hz

All speakers must be set to Small in the AV Amplifier menu. Failure to configure your system correctly may result in damage to the speakers.

CONTACTS

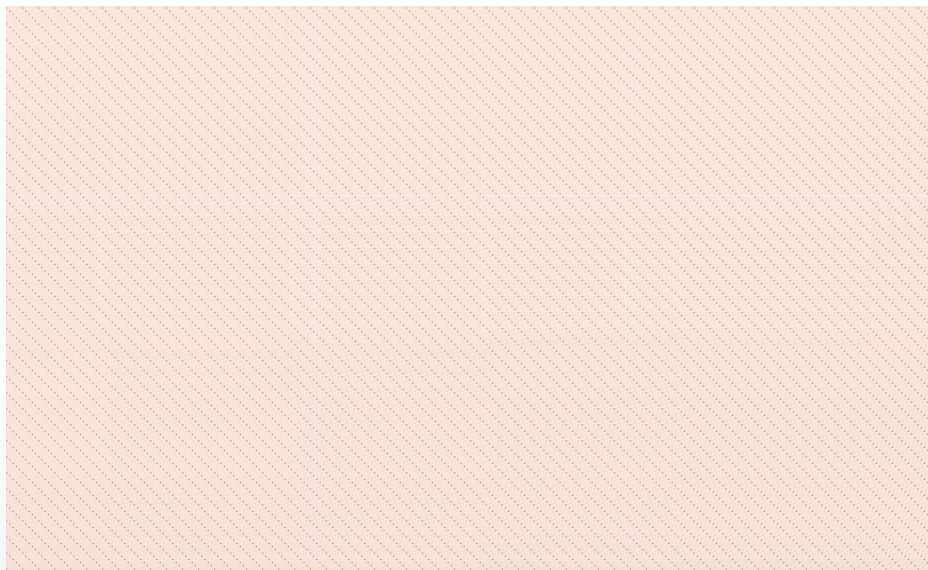
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