

tangent[®]
DANMARK



Spectrum X5BT

User's manual

Thank you for purchasing this product. We designed it to give you complete satisfaction. The objective of every Tangent product is that fundamentally correct design can produce a product capable of achieving excellent performance and affordability. Please take time to read the following safety instructions.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: Risk of electrical shock. Do not open the unit.

1. Read, keep and follow these instructions.
2. Install in accordance with the manufacturer's instructions.
3. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
4. Only use attachments/accessories specified by the manufacturer.
5. Protect the power card from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
6. Unplug this apparatus during lightning storms or when unused for long periods of time.
7. Do not let objects or liquids enter the product.
8. 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.
9. Opening the unit by unauthorized personnel will void the limited warranty.

CAUTION: Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Cleaning: Use a soft, dry cloth to avoid making scratches to the surface. Do not use cleaning alcohol, or other solvent fluids to clean the surface of the Cabinet as this can both damage the coating and also cause electrical failures and fire if it enters the electronics in the unit! Before cleaning, please unplug the unit from the AC power outlet.

Overloading: To prevent risk of fire or electric shock, avoid overloading wall outlets or extension cords.

Open fire: keep this sound system a safe distance away from any open flame such as a lit candle. No open flame sources, such as lighted candles, should be placed on the unit.

Operating temperatures: The recommended operating temperature range for the sound system is 5 to 40 degrees Celsius (41 to 104 degrees Fahrenheit).

Label location: The product labels and safety related markings are located on the back of the unit and the power adaptor.

Unplugging while in operation: Do not remove the AC power cord if music is playing.

Batteries in the remote control: Keep the remote control battery away from children. It may cause a fire or chemical burn if mishandled. Do not recharge, disassembled, heat above 100 degrees Celsius (212 degrees Fahrenheit). Replace only with a battery of the correct type and model number. (CR2025)

CAUTION: Risk of explosion if battery is replaced incorrectly.

Used batteries: Please dispose of used batteries properly, following the local regulations. Do not place the battery in fire.

This product can be recycled. Products bearing this symbol must NOT be thrown away with normal household waste. At the end of the product's life, take it to a collection point designated for recycling of electrical and electronic devices. Find out more about return and collection points through your local authority.

For European Waste Electrical and Electronic Equipment (WEEE) Directive was implemented to dramatically reduce the amount of waste going to landfills, thereby reducing the environmental impact on the planet and on human health. Please act responsibly by recycling used products. If this product is still usable, consider giving it away or selling it.(WEEE) Directive was implemented to dramatically reduce the amount of waste going to landfills, thereby reducing the environmental impact on the planet and on human health. Please act responsibly by recycling used products. If this product is still usable, consider giving it away or selling it.

INFORMATION

Unpacking

These speakers were carefully tested and inspected during production and before packaging and shipping. After unpacking please check for any damage. It is rare that a unit is damaged during shipping, but if this does happen contact your retailer immediately.

We recommend that you keep the original carton and packing material for future shipping.

Recommended Speaker Setup

Correct speaker placement has a huge impact on sound quality. There are many different theories, but all rooms and tastes are different so it's impossible to specify a correct placement. We do suggest you experiment with a few different locations to see what is best for you.

For the best bass response, we recommend that you keep a minimum distance of 20–25 cm between the speakers and the rear wall. For height, position the speakers with the tweeters at eye level of your most common listening position.

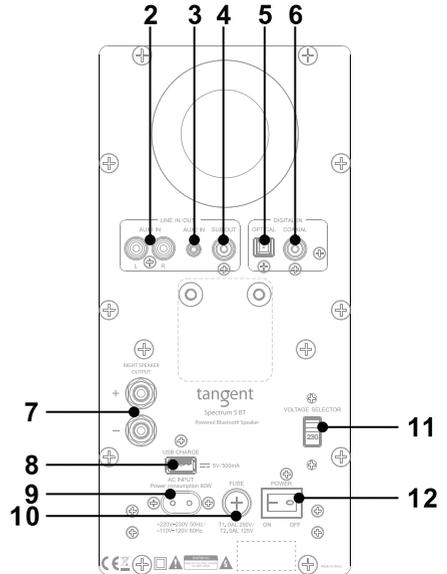
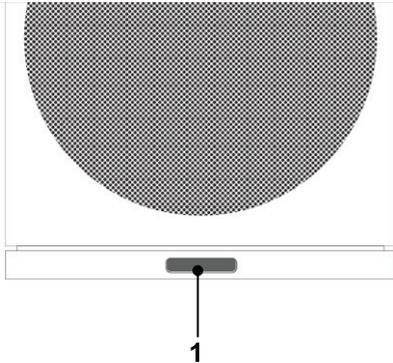
Speaker Conditioning and Break-in

Although a break-in period is not required, we recommend that you play between 24 to 48 hours of music through the speakers before doing any critical listening or speaker placement.

Speaker Cleaning

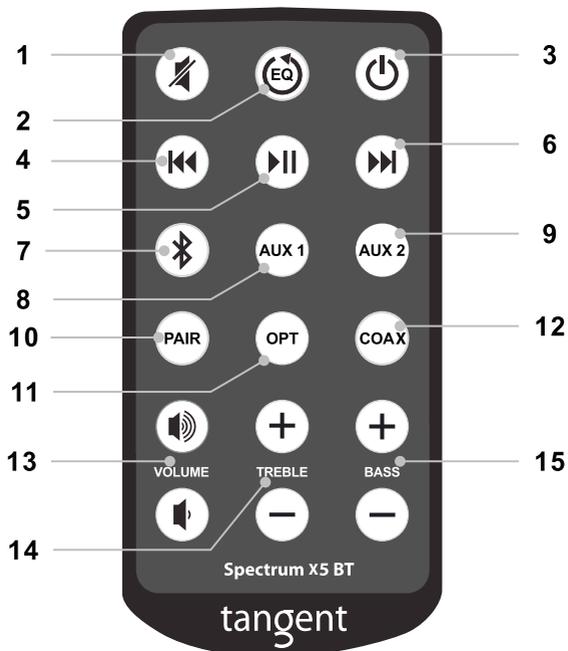
We don't recommend using any solvents or cleaners on cabinets or speaker driver units. Just wipe down with a soft, dry cloth.

FRONT AND REAR PANEL



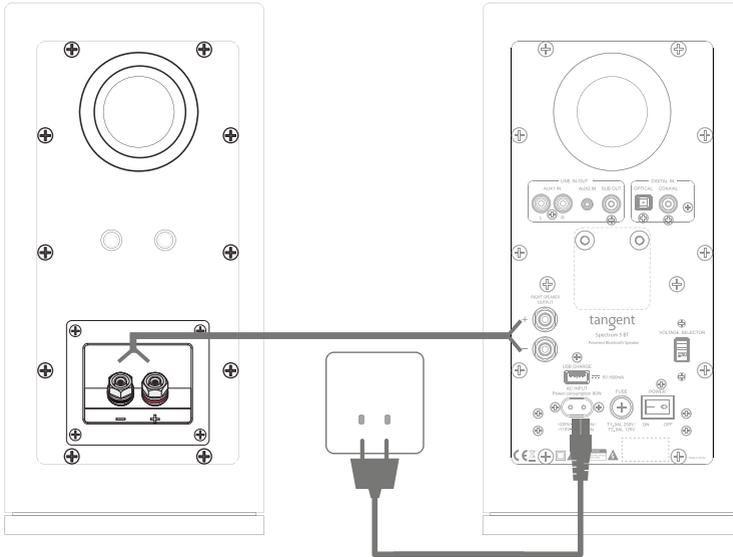
1. Power and BT Led
2. Aux in1
For right/left RCA stereo plugs from CD/DVD, TV etc.
3. Aux in2
For 3.5mm mini-jack plug, from iPod, PC etc.
4. SUB OUT For connection to a powered subwoofer
5. Optical audio in
6. Coaxial audio in
7. Right speaker output
Signal output, for connecting the right passive Spectrum X5 BT speaker.
8. USB charge socket
5V DC charge for iPod etc.
9. Power supply input
10. Fuse holder, if fuse needs to be replaced only, use same type and value.
IMPORTANT: remember to unplug the power cable from mains socket before opening the fuse holder.
11. Switch for input voltage
12. Power ON/OFF

REMOTE CONTROL



- | | |
|-----------------------------|--|
| 1. Mute | 9. AUX2
3.5 mm Stereo Mini-Jack
Input Select |
| 2. Reset Bass and Treble EQ | |
| 3. Power / Standby | 10. Bluetooth pairing button |
| 4. Previous Track | 11. Optical Input Select |
| 5. Play / Pause | 12. Coaxial Input Select |
| 6. Next Track | 13. Increase / Decrease Volume |
| 7. Bluetooth Input Select | 14. Increase / Decrease Treble Output |
| 8. AUX1
RCA Input Select | 15. Increase / Decrease Bass Output |

SPEAKER WIRING DIAGRAM



Connect the RED (+) and BLACK(-) terminals from the left speaker to the corresponding terminals on the right speaker using the included speaker cable. Insulation on cable must be stripped on all ends.

Note: Because this system is self-powered, do not connect the speaker terminals to the speaker outputs of a stereo receiver.

Connect the power cord into the left speaker and the other end into the wall outlet.

BLUETOOTH FUNCTION

BLUETOOTH PAIRING

1. Power on your Spectrum X5BT.
2. On the remote, select Bluetooth.
3. Please make sure that the Bluetooth function is enabled on your Bluetooth Audio Device.
4. On the remote, select Pair. This will put your Spectrum X5BT into detectable state. Front LED will blink quickly.
5. On your Bluetooth Audio Device, please select Tangent Spectrum. If you are asked for code please use 1234 or 0000.
6. If pairing is successful, front LED will stay solid.

Pairing between your Spectrum X5BT and your Bluetooth Audio Device is to be made only once. Further connections will not need pairing.

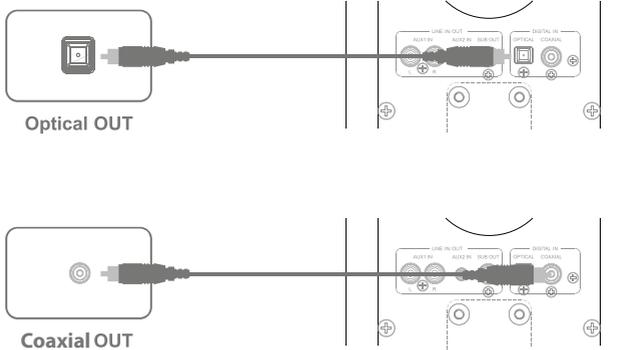
REMOTE CONTROL OF YOUR BLUETOOTH AUDIO DEVICE

Using the Spectrum X5BT remote control, you will be able to use the following order:

- Play
- Pause
- Next track
- Previous Track

For this to work, your Bluetooth Audio Device will need to be compatible with AVRCP

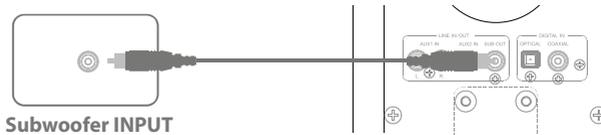
CONNECT A DIGITAL AUDIO SOURCE



In order to get the best audio quality, please use the digital input of the Spectrum X5BT.

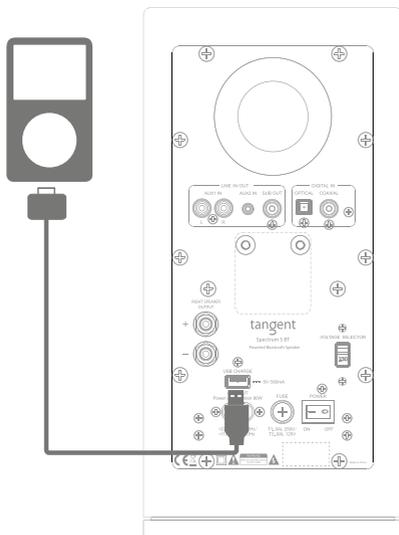
Those digital input are only compatible with stereo signal (PCM).

CONNECT A POWERED SUBWOOFER



If you need more bass, you can connect a powered Subwoofer to your Spectrum X5BT by using an analog RCA cable.

CHARGING YOUR DEVICE



In case of low battery of your device, you can charge it on the USB plug at the back of your Spectrum X5BT.

This USB plug is limited to 5V/ 500mA.

SPECIFICATIONS

MODEL	Spectrum 5 BT
Speaker Type/Crossover	2-Way DSP Powered Speaker
Tweeter/Midrange/Woofer	2x1" / 2x5"
Nominal Imp / Sensitivity	4ohm / 87±2dB
Nominal /Max Power	2x30W / 2x 50W
Frequency Resp.	60-20KHz
Amplifier Type /AC Power	Class-AB/ AC110-120V/60Hz or AC220-230V/50Hz
Input Connection	Bluetooth/JACK 3.5/Line RCA/Optical/Coaxial
Cabinet /Surface Disposal	Black, White matte painting finish
Cabinet(W×D×H)mm	435x285x425
Gross Weight(KG)	12 KG

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For further information visit our website:

www.tangent-audio.com

