

# SAMSUNG

# FULL MANUAL

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## MX-ST90B

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# SAFETY INFORMATION

## SAFETY WARNINGS

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Refer to the table below for an explanation of symbols which may be on your Samsung product.

	<div>CAUTION</div> <div>RISK OF ELECTRIC SHOCK.</div> <div>DO NOT OPEN.</div> 
	This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.
	This symbol indicates that this product comes with important literature concerning operation and maintenance.
	Class II product : This symbol indicates that a safety connection to electrical earth (ground) is not required. If this symbol is not present on a product with a power cord, the product MUST have a reliable connection to protective earth (ground).
	AC voltage : Rated voltage marked with this symbol is AC voltage.
	DC voltage : Rated voltage marked with this symbol is DC voltage.
	Caution. Consult Instructions for use : This symbol instructs the user to consult the user manual for further safety related information.

## WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## CAUTION

- Do not expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases, on the apparatus.
- To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.

## Wiring the Main Power Supply Plug (UK Only)


### IMPORTANT NOTICE

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and if it requires replacing, a fuse approved to BS1362 of the same rating must be used. Never use the plug with the fuse cover removed. If the cover is detachable and a replacement is required, it must be of the same colour as the fuse fitted in the plug. Replacement covers are available from your dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance. However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord. Never attempt to insert bare

wires directly into a mains socket. A plug and fuse must be used at all times.

### IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:– BLUE = NEUTRAL BROWN = LIVE As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:– The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

**WARNING : DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL , OR COLOURED GREEN OR GREEN AND YELLOW.**

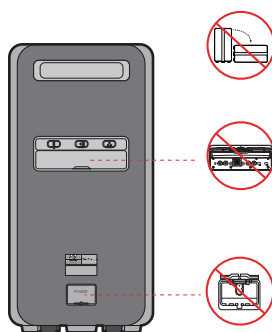
### To avoid deterioration of water resistant

Check the following and use the unit correctly.

- Deformation or damage from dropping the unit or subjecting it to mechanical shock may cause deterioration of the water resistant.
- This unit does not have a design that is resistant to water pressure. Use of the unit in a location where high water pressure is applied, such as in the shower, may cause a malfunction.
- Do not pour high-temperature water or blow hot air from a hair dryer or any other appliance on the unit directly. Also never use the unit in a place subject to high temperatures, such as in a sauna or near a heat source.
- Handle the cap with care. Port cover and AC plug cover plays a very important role in maintenance of the water resistant. When using the unit, make sure that the cap is closed completely. When closing the cap, be careful not to allow foreign objects inside. If the cap is not closed completely the water

resistant may deteriorate and may cause a malfunction of the unit as a result of water entering the unit.

- The product cannot be dumped to ensure it is water resistant.
- IPX5 cannot be met when any JACK is plugged in.
- In a state of electricity, IPX5 can be met when the power cord passes through the cover power slot and the cover power is completely closed, otherwise, it does not.



# PRECAUTIONS

1. Ensure that the AC power supply in your house complies with the power requirements listed on the identification sticker located on the rear of your product. Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (7~10 cm). Make sure the ventilation slots are not covered. Do not place the unit on amplifiers or other equipment which may become hot. This unit is designed for continuous use. To fully turn off the unit, disconnect the AC plug from the wall outlet. Unplug the unit if you intend to leave it unused for a long period of time.
2. During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the unit.
3. Do not expose the unit to direct sunlight or other heat sources. This could lead to overheating and cause the unit to malfunction.
4. Protect the product from moisture (i.e. vases), and excess heat (e.g. a fireplace) or equipment creating strong magnetic or electric fields. Unplug the power cable from the AC wall socket if the unit malfunctions. Your product is not intended for industrial use. It is for personal use only. Condensation may occur if your product has been stored in cold temperatures. If transporting the unit during the winter, wait approximately 2 hours until the unit has reached room temperature before using.

# ABOUT THIS MANUAL

The user manual has two parts: this simple paper USER MANUAL and a detailed FULL MANUAL you can download.



## USER MANUAL

See this manual for safety instructions, product installation, components, connections, and product specifications.



## FULL MANUAL

You can access the FULL MANUAL on Samsung's on-line customer support centre by scanning the QR code on the left. To see the manual on your PC or mobile device, download the manual in document format from Samsung's website.  
(<https://www.samsung.com/us/support/downloads/>)

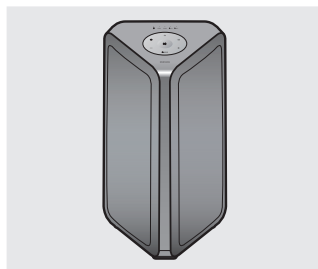
Design and specifications are subject to change without prior notice.

# CONTENTS

<b>01</b>	<b>Checking the Components</b>	<b>2</b>
	Inserting Batteries before using the Remote Control (AAA batteries X 2)	4
<b>02</b>	<b>Product Overview</b>	<b>5</b>
	Top Panel of the Sound Tower	5
	Rear Panel of the Sound Tower	6
<b>03</b>	<b>Connecting the Sound Tower</b>	<b>8</b>
	Connecting Electrical Power	8
	Connecting Group Play Mode	9
<b>04</b>	<b>Connecting an External Device</b>	<b>16</b>
	Connecting an External Device via Analogue Audio Cable	16
	Connecting a mobile device via Bluetooth	17
	Connecting a Samsung TV via Bluetooth	20
<b>05</b>	<b>Connecting a USB Storage Device</b>	<b>22</b>
	Software Update	23
	Connecting an Optional Microphone	24
<b>06</b>	<b>Using the Remote Control</b>	<b>25</b>
	How to Use the Remote Control	25
	How to use Sound Mode	28
	How to use DJ Effect	29

<b>07</b>	<b>Using the Samsung Sound Tower App</b>	<b>30</b>
	Install Samsung Sound Tower App	30
	Using the Samsung Sound Tower App	30
	What you can do with Samsung Sound Tower App:	31
<b>08</b>	<b>Trouble shooting</b>	<b>32</b>
<b>09</b>	<b>Licences &amp; Other Information</b>	<b>35</b>
<b>10</b>	<b>Open Source Licence Notice</b>	<b>36</b>
<b>11</b>	<b>Important Notes About Service</b>	<b>36</b>
<b>12</b>	<b>Specifications and Guide</b>	<b>37</b>
	Specifications	37

# 01 CHECKING THE COMPONENTS



**Sound Tower Main Unit**



**Remote Control /  
Batteries (AAA batteries x2)**



**Power Cord**

- For more information about the power supply and power consumption, refer to the label attached to the product. (Label: Rear of the Sound Tower Main Unit)
- To purchase additional components or optional cables, contact a Samsung Service Centre or Samsung Customer Care.

## Carry the system

When moving the product, in order to avoid personal injury and/ or property damage, and achieve water resistance, please see the illustrations below.

1. When moving the product, do not drag or pull the product from the ground without the wheels sticking out.

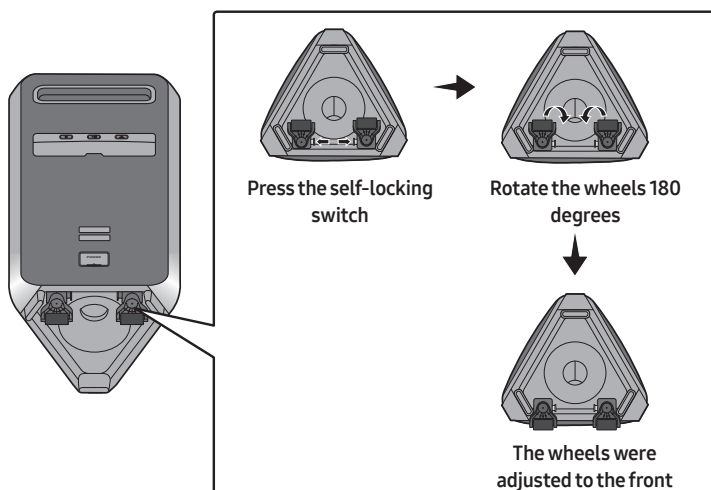


2. Do not lift the set to prevent the set from injuring your feet.

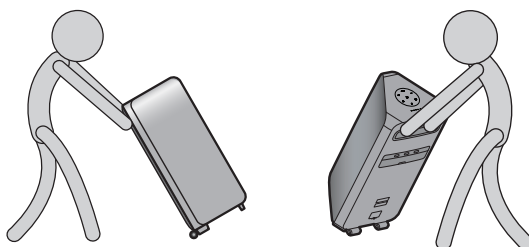


3. To move the set, perform the following steps.

- Press the self-locking switch of the wheels respectively to rotate the two wheels out of the bottom of the set. When it clicks, it means that the wheels are adjusted in place.



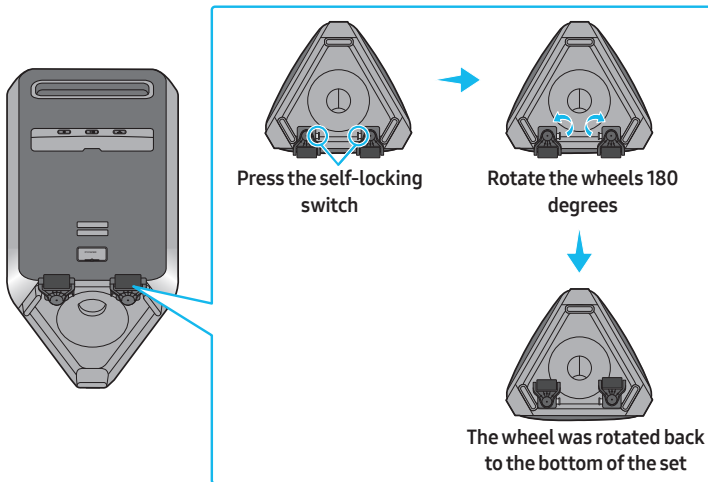
- Use two hands to grab the handle on the back of the set and move it using the wheels as shown below



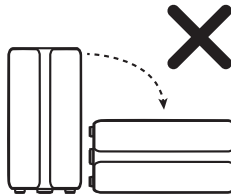
**Warning:**

Use caution when moving the sound tower on an uneven surface to avoid injury or damage to the unit or the surrounding environment.

- After the set is moved, press the self-locking switch of the two wheels respectively to rotate the wheels to the bottom of the set. When it clicks, it means that the wheels are adjusted in place.

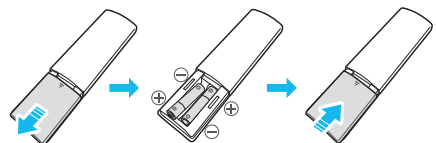


4. The product should not be knocked over to ensure it keeps its water resistance.



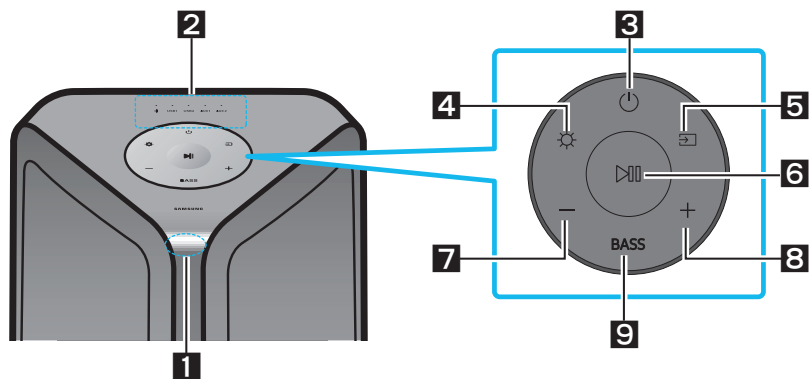
## Inserting Batteries before using the Remote Control (AAA batteries X 2)

Slide the battery cover in the direction of the arrow until it is completely removed. Insert 2 AAA batteries (1.5V) oriented so that their polarity is correct. Slide the battery cover back into position. (the remote control does not support IPX5)



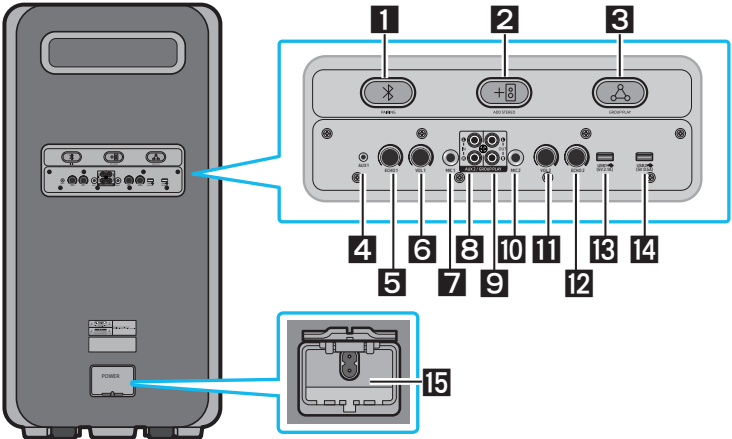
# 02 PRODUCT OVERVIEW

## Top Panel of the Sound Tower




1	Remote Sensor	When operating the Sound Tower system, please aim the front of the remote control at the remote sensor.
2	LED indicator	Displays operating messages or current status of the Sound Tower system. The information sources represented by each LED are as follows: ❦ (BT)    USB1 (USB1)    USB2 (USB2)    AUX1 (AUX1)    AUX2 (AUX2)
3	Power	Turns the Sound Tower on and off.
4	Light	Press the ⚙️ (Light) button to turn the Lighting Mode on.
5	Source	Press to select a source connected to the Sound Tower. Press and hold the ➡️ (Source) button for more than 5 seconds to enter the "SEARCHING TV" mode.
6	Play/Pause	<ul style="list-style-type: none"><li>• <b>Play/Pause</b> Press the ▶️ button to pause a music file temporarily. When you press the button again, the music file plays.</li><li>• <b>Demo play</b> Press and hold the ▶️ button for more than 5 seconds to start the Demo play while the system is turned on. 5 LEDs flashing simultaneously and it plays demo music for 90 seconds.<ul style="list-style-type: none"><li>– Please be careful as it may play louder than the set volume.</li></ul></li></ul>
7	Volume down	Press the — (Volume down) button to lower the volume.
8	Volume up	Press the + (Volume up) button to raise the volume.
9	BASS	Press the BASS button to use the bass boost.

# Rear Panel of the Sound Tower



1	Bluetooth PAIRING	Press the <b>PAIRING</b> button to enter pairing mode, "PAIRING" LED on the rear plane will blink quickly.
2	ADD STEREO	Press the <b>ADD STEREO</b> button to connect to another same model Sound Tower wirelessly.
3	GROUP PLAY	Press the <b>GROUP PLAY</b> button to connect up to ten Sound Tower systems wirelessly.
4	AUX1	Use an Audio (AUX) Cable (not supplied) to connect <b>AUX1</b> jack on the main unit to Audio Out on an external device.
5	ECHO1	You can give an echo effect to the sound from a connected microphone ( <b>MIC1</b> ) by adjusting the <b>ECHO1</b> knob.
6	VOL1	Use the <b>VOL1</b> knob on the main unit to adjust the volume of a connected microphone ( <b>MIC1</b> ).
7	MIC1	Connect your microphone to the <b>MIC1</b> jack.
8	GROUP PLAY IN Terminals	Use an Audio Cable (not supplied) to connect <b>AUX2 (IN)</b> terminals on the main unit to Audio Out on an external analogue output device.
9	GROUP PLAY OUT Terminals	Use an Audio Cable (not supplied) to connect <b>GROUP PLAY (OUT)</b> terminals on the main unit to <b>GROUP PLAY(IN)</b> on another Sound Tower.
10	MIC2	Connect your microphone to the <b>MIC2</b> jack.
11	VOL2	Use the <b>VOL2</b> knob to adjust the volume of a connected microphone ( <b>MIC2</b> ).
12	ECHO2	You can give an echo effect to the sound from a connected microphone ( <b>MIC2</b> ) by adjusting the <b>ECHO2</b> knob.

<b>13</b>	<b>USB1</b>	Connect a USB device to the <b>USB1</b> or <b>USB2</b> ports on the main unit.
<b>14</b>	<b>USB2</b>	<p>If you connect your cell phone to the <b>USB1</b> port, you can charge it.</p> <ul style="list-style-type: none"> <li>Press the  (<b>Source</b>) button to select <b>USB1</b> or <b>USB2</b>.</li> </ul>
<b>15</b>	<b>Power</b>	Connect the power cord to the <b>Power</b> jack and connect the other end of the power cord to a wall socket to supply electrical power to the Sound Tower.

## 03 CONNECTING THE SOUND TOWER

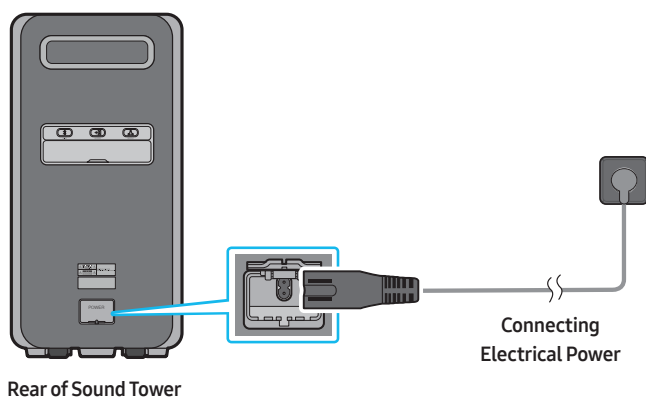
### Connecting Electrical Power

Use the power cord to connect the Sound Tower to an electrical outlet in the following order:

Connect the power cord to the Sound Tower and then to a wall socket.

See the illustrations below.

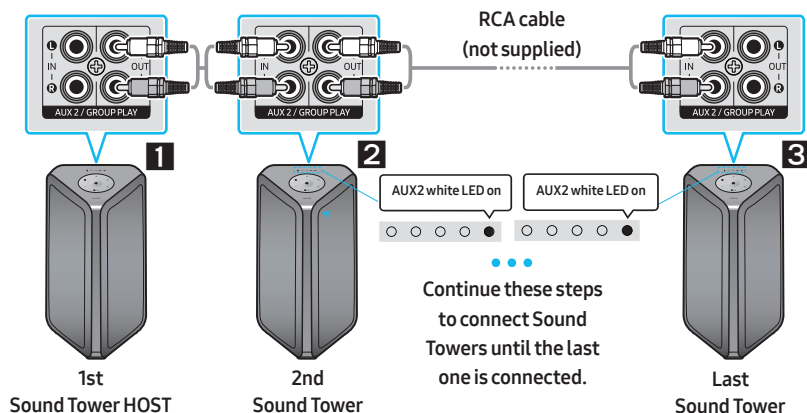
- For more information about the required electrical power and power consumption, refer to the label attached to the product. (Label: Rear of the Sound Tower)
- Water resistance can be met when the AC power cord is plugged in, but make sure that the cap is completely closed. Laying the Sound Tower on its side may damage internal components and keep the unit from being water resistant.




# Connecting Group Play Mode

You can connect multiple audio systems in a wired group play mode to create a more interesting party environment and to produce higher sound output.

## Connecting the wired Group Play mode



- 1** Connect the analogue audio cable to the OUT(Group Play) of the HOST.  
※ Sound Tower HOST can play music from any source.
- 2** Connect the analogue audio cable to the IN(AUX2) of 2nd Sound Tower and Set the source to AUX2.
- 3** Set up Group Play by connecting all the systems using analogue audio cables.  
Use the AUX or  **(Source)** button to change the source to AUX2 for every Sound Tower except the Sound Tower HOST.
  - Set one Sound Tower as the HOST and any music played on it will be shared among any other Sound Tower in the Audio group.

## NOTES

- Analogue audio cables are not supplied.
- Depending on the length or characteristics of the cable, there may be a difference in operating distance.
- Be sure to select the Audio In function on the last system.
- In this configuration, the sound from the last system may lag behind others.
- To stop Wired Group Play:
  - Remove analogue audio cable from the HOST
  - Change to a source other than AUX2 on any Sound Tower in the group besides the HOST
  - Turn off the HOST
- If the Wired Group Play function does not start:
  - Check the connections.
  - Ensure the audio cables are connected correctly.

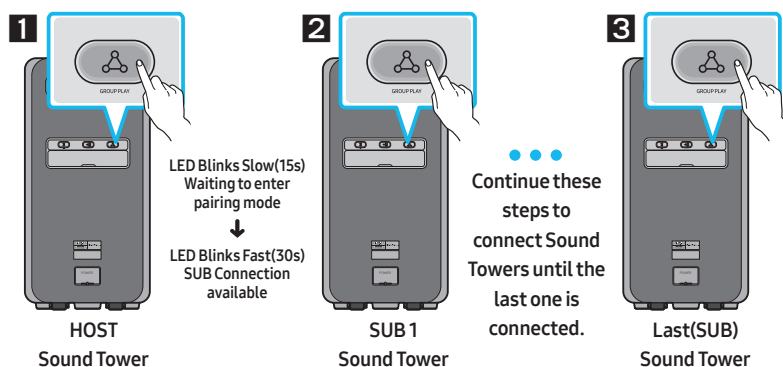
- Make sure that the HOST is turned on, and has a music source connected to it, and the volume is not muted.
- Wired Group Play function does not work properly:
  - Turn off the system. Then, turn it back on again to activate the function.
- When a microphone is connected to the HOST and being used, the MIC sound is output to all the connected Sound Towers in the group.

## Connecting wireless Group Play mode

You can connect multiple audio systems in a wireless group play mode to create a more interesting party environment and to produce higher sound output.


### Precondition

- When connecting a Sound Tower, make sure it is within 1m distance.
- Cannot set the mode to Group Play mode when sound tower is connected to a TV.
- Before using Group Play mode, any sound towers should be taken out of Stereo mode.



- 1** Press the **GROUP PLAY** button on the HOST Sound Tower and wait until the “**GROUP PLAY**” LED switches from blinking slowly to blinking quickly. This Sound Tower will become the Sound Tower HOST.
  - ※ Only BT source can be used, selecting another source will cause Group Play mode to disconnect.
  - ※ Press and hold “GROUP PLAY” button for 5 seconds while the BT source is selected and the Group Play LED will blink quickly immediately.
- 2** Press the **GROUP PLAY** button on the SUB Sound Tower, and it will begin searching for the HOST while the “**GROUP PLAY**” LED blinks, and the LED will turn solid and the speaker will beep after connecting to the HOST.
- 3** If less than 20 minutes have passed since Group Play button was pressed, refer to Step 2 to connect additional SUB. If 20 minutes have passed since Group Play was pressed, repeat steps 1 and 2 to connect additional SUB.
  - Play music on the HOST Sound Tower. Sound outputs from all the connected systems.

NOTES

- All the Sound Tower models can connect in Group Play mode.
- When “**HOST**” Sound Tower connects to a Samsung TV, the Group play mode will automatically disconnect.
- Environmental conditions or other factors with connected devices may have an effect on playback quality.
- If the light bar blinks pink and the speaker outputs a beeping sound, an error has occurred in the **Group Play** mode connection. Try Step 1 and 2 again.
- The **ADD STEREO** button and  **PAIRING** button on the SUB Sound Tower systems are not available while in wireless Group Play mode.
- The **ADD STEREO** button on the HOST Sound Tower is not available while in wireless Group Play mode.
- Bluetooth devices can search and connect with the HOST Sound Tower only, but the SUB cannot connect to any Bluetooth device.
- If you power off or select any source other than BT on a SUB unit, the Group Play mode is disconnected.
- This product does not support aptX audio stream with Wireless Group Play mode.
- In this configuration, the sound from the last system may lag behind others.
- If Wireless Group Play does not work properly:
  - Turn off the system. Then, turn it back on again to activate the function.
- Electronic devices may cause radio interference. Devices that generate electromagnetic waves must be kept away from the Sound Tower main unit - e.g., microwaves, wireless LAN devices, etc.
- When using the wireless Group Play mode function, sound from a connected microphone is only output from the system to which the microphone is connected.

Disconnecting the wireless Group Play mode

1. Press and hold the **GROUP PLAY** button over 5 seconds (HOST or SUB).
  - The speaker will beep and the **Group Play** LED will turn off.
2. If you select any source other than **BT** on the SUB units or turn off the HOST Sound Tower, the Group Play mode is disconnected.

LED Indications










LED	STATE	Description
Green	Blink	Waiting for a wireless Group Play connection.
	Solid	The wireless Group Play connection was successful.
Red	Solid	There is an error with the wireless Group Play connection.

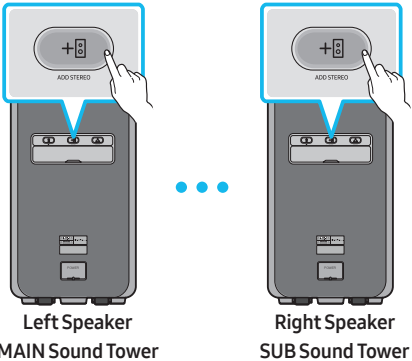
## Connecting Stereo Mode

Connect two Sound Tower and use them with a mobile device to enjoy stereo mode, to make a larger listening area or to hear greater left and right audio separation.

### Precondition

- To use the Stereo mode, both Sound Tower systems must be the same model.
- When connecting a Sound Tower, make sure it is within 1m distance.
- If the sound tower is in Group Play mode, need to exit it before using Stereo mode.
- Cannot set the mode to Stereo mode when sound tower is connected to a TV.

Description	LED Indicator	Light Bar
Connecting		Cyan blink 
		
Connected		Cyan blink once 
		
Failed		Pink blink once 
		



### The initial connection

- After the initial connection is complete, if the **ADD STEREO** button is pressed on the MAIN or SUB Sound Tower, the Left and Right Speaker are swapped.
1. Press the **ADD STEREO** buttons of the two Sound Towers. The LED blinks on the **ADD STEREO** button.
  2. When the connection is complete, each speaker beeps and the **ADD STEREO** LED turns solid. MAIN Sound Tower is identified by the Bluetooth PAIRING LED blinking.
    - The MAIN Sound Tower outputs left channel sound and the SUB Sound Tower outputs right channel sound.
    - Play music by connecting your mobile device to the MAIN Sound Tower via Bluetooth. Sound is output from both Sound Tower.

## NOTES

- Environmental conditions or other factors with connected devices may have an effect on playback quality.
- If the ADD STEREO LED is solid red an error has occurred in the Stereo Group connection. Try steps 1 and 2 again.
- Remote Controller, BT PAIRING, GROUP PLAY and Source buttons on the SUB Sound Tower are disabled while in Stereo Group mode.
- The GROUP PLAY button on the MAIN Sound Tower is not available while in Stereo Group mode.
- In any mode other than "BT" (ex. USB, AUX mode), music is played only from the MAIN Sound Tower and not the SUB Sound Tower.
- The lighting colours between MAIN Sound Tower and SUB Sound Tower may vary.
- This product does not support aptX audio stream with Stereo mode.
- When using the wireless Stereo mode function, sound from a connected microphone is only output from the system to which the microphone is connected.
- Electronic devices may cause radio interference. Devices that generate electromagnetic waves must be kept away from the Sound Tower main unit - e.g., microwaves, wireless LAN devices, etc.

### Disconnecting the wireless Stereo mode

Press the **ADD STEREO** button (MAIN or SUB) for at least 5 seconds while the Stereo Group is connected.

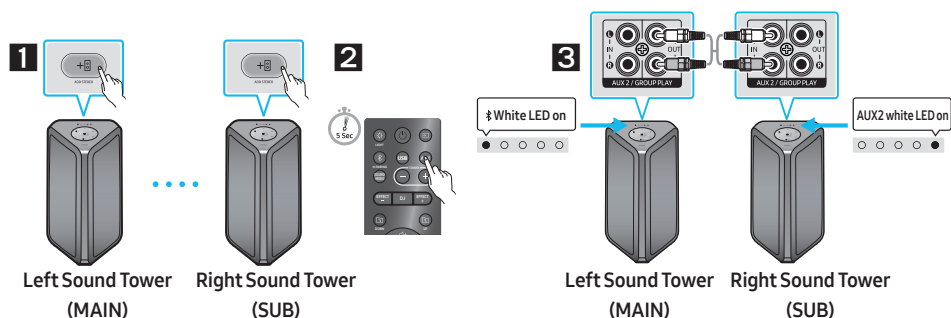
- The speaker will beep and the **ADD STEREO** LED will turn off.

## Using Stereo Mode with a Samsung TV

Connect two Sound Towers and use them with a Samsung TV to enjoy stereo mode, to cover a larger listening area or to hear greater left and right audio separation.

### Precondition

- To use the Stereo mode, both Sound Tower systems must be the same model.
- When connecting a Sound Tower or TV, make sure it is within 1m distance.
- Cannot set to Stereo Mode with Samsung TV if the Sound Tower is already connected to a TV via Bluetooth.
- If the sound tower is in Group Play mode, need to exit it before using Stereo mode.



- 1 Connect two sound towers via stereo mode by pressing the ADD STEREO button on the two Sound Towers.
- 2 In “BT” mode, press the “AUX” button on the MAIN Sound Tower remote control for at least 5 seconds. The LED blinks on the ADD STEREO button.
- 3 Connect a RCA cable to the **OUT(Group Play)** on the MAIN and **AUX2 IN** on the SUB as shown.
  - When the connection is complete, the “ADD STEREO” LED will stop blinking and turn solid, the speakers will beep, and the AUX2 LED on the SUB will turn on.
  - The MAIN Sound Tower outputs the left channel sound and the SUB Sound Tower outputs the right channel sound. Press the **ADD STEREO** button on the MAIN or SUB Sound Tower to swap them between Left and Right.
  - Connect a TV and MAIN Sound Tower via Bluetooth to play audio. Sound is output from both Sound Towers.

## NOTES

- Analogue audio cables are not supplied.
- If the light bar blinks pink and the speakers beep, an error has occurred in the Stereo mode connection. Repeat steps 1 through 3.
- In Stereo Group mode, the remote control, BT PAIRING, GROUP PLAY, and Source buttons on the SUB Sound Tower are disabled.
- The GROUP PLAY button on the MAIN Sound Tower is not available in Stereo Group mode.
- If the Samsung TV supports a simple connection, the connection pop-up is automatically displayed on the TV, and if you select "Yes", it connects to the sound tower. If there is a previous connection history between Samsung TV and Sound Tower, they will be connected without pop-up.
- The lighting colours may vary between the MAIN Sound Tower and the SUB Sound Tower.
- When a microphone is connected to the MAIN and being used, the MIC sound is output to the SUB.

## Disconnecting Stereo mode connection

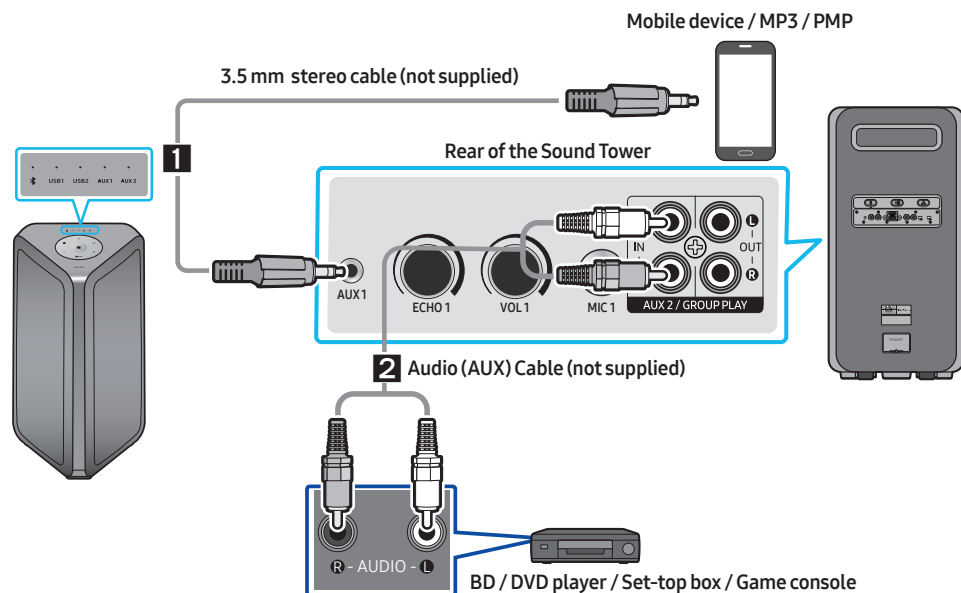
- Press the **ADD STEREO** button (MAIN or SUB) for at least 5 seconds after the Stereo Group is connected. Sound tower will beep and the LED on the **ADD STEREO** button turns off.

## 04 CONNECTING AN EXTERNAL DEVICE


Connect to an external device via a wired or wireless network to play the external device's sound through the Sound Tower.

### Connecting an External Device via Analogue Audio Cable


A phone jack or RCA cable is a physical connection that transfers analogue audio signals.



#### 1 3.5 mm stereo Cable (AUX1)

1. Connect **AUX1** jack on the main unit to the AUDIO OUT jack of the Source Device using a 3.5 mm stereo cable.
2. Select "**AUX1**" mode by pressing the  (**Source**) button on the top panel or on the remote control.
  - You can also select a source using **AUX** button on the remote control.

#### 2 RCA Cable (AUX2)

1. Connect **AUX2 (IN)** terminals on the main unit to the AUDIO OUT terminals of the Source Device using an RCA cable.
2. Select "**AUX2**" mode by pressing the  (**Source**) button on the top panel or on the remote control.
  - You can also select a source using **AUX** button on the remote control.

## NOTES

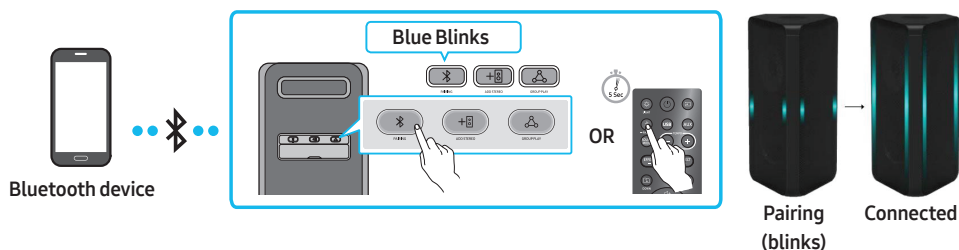
- Analogue audio cables are not supplied.
- Depending on the length or characteristics of the cable, there may be a difference in operating distance.
- AUX1 and AUX2 does not support wireless Stereo and Group Play mode.

## Connecting a mobile device via Bluetooth

When a mobile device is connected using Bluetooth, you can hear stereo sound without the hassle of cabling.

### Precondition

- When connecting to a new BT device, make sure it is within 1m distance.
- Disconnect from any Samsung TV before connecting to a mobile device.
- SUB speaker can't connect to BT when using Group Play or Stereo mode.



1. Press the **PAIRING** button on the rear panel of sound tower.  
(OR) Press and hold the **PAIRING** button on the remote control for more than 5 seconds to enter the "BT PAIRING" mode.
2. On your device, select "[AV] MX-ST9B Series" from the list that appears.
  - After the device is connected. The light bar will all be lit cyan, and the Bluetooth light on the rear panel is solid.
3. Play music files from the device connected via Bluetooth through the Sound Tower.

## NOTES

### If the device fails to connect

- Sound tower will beep if BT is disconnected.
- If a previously connected Sound Tower listing (e.g. "[AV] MX-ST9B Series") appears in the list, delete it.
- Then repeat steps 1 and 2.

### Bluetooth connection

- In Bluetooth connection mode, the Bluetooth connection will be lost if the distance between the Sound Tower and the Bluetooth device exceeds 10 meters.

- The Sound Tower automatically turns off after 20 minutes in the Ready state.
- The Sound Tower may not perform Bluetooth search or connection correctly under the following circumstances:
  - If there is a strong electrical field around the Sound Tower.
  - If several Bluetooth devices are simultaneously paired with the Sound Tower.
  - If the Bluetooth device is turned off, not in place, or malfunctions.
- Electronic devices may cause radio interference. Devices that generate electromagnetic waves must be kept away from the Sound Tower main unit - e.g., microwaves, wireless LAN devices, etc.

### What is the difference between BT READY and BT PAIRING?

- **BT READY** : In this mode, you can use the previously connected TV or mobile device to connect to Sound Tower.
- **BT PAIRING** : In this mode, you can connect a new device to the Sound Tower.  
(Press and hold the **PAIRING** button on the remote control for more than 5 seconds or press the **PAIRING** button on the rear of the Sound Tower to enter the “**BT PAIRING**” mode.)







### Using Bluetooth Multi connection

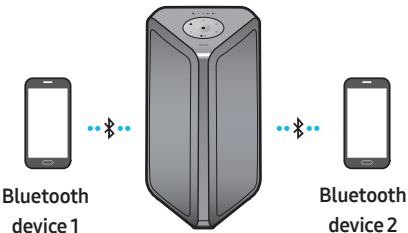
The Sound Tower can be connected to 2 Bluetooth devices at the same time.

#### Precondition

- When connecting to a new BT device, make sure it is within 1m distance.
- Disconnect from any Samsung TV before connecting to a mobile device.
- SUB speaker can't connect to BT when in the Group Play or Stereo mode.

### Bluetooth Multi Connection Indicator

Description	LED Indicator	Light Bar
Connecting	Blue fast blink 	Cyan blink 
Connected	Blue solid 	Cyan blink once 
Failed	Blue blink 	Pink blink once 



1. Put the Sound Tower into "BT PAIRING" mode and connect each mobile device.
2. On your device, select "[AV]MX-ST9B Series" from the list that appears.
3. When the Sound Tower is connected to two mobile devices, The light bar will be fully lit in cyan, and the Bluetooth light on the rear panel will be solid.

## **How to operate Bluetooth Multi Connection Function**

Play music from one of the connected Bluetooth devices while two devices are connected. If music is played from the Bluetooth device "B" while playing from device "A", the music starts playing from device "B" and automatically pauses on device "A".

### **NOTES**

- When connecting to a Samsung TV, the BT multi connection will automatically disconnect
- If you want to connect the Sound Tower to a third device, you can disconnect the Sound Tower from one of the two currently connected devices and then connect the Sound Tower to the third device.
- With the Sound Tower and two devices currently connected, when pairing to a new Bluetooth device, the devices currently connected may be disconnected.
- Environmental conditions or other factors with connected devices may have an effect on playback quality.
- Electronic devices may cause radio interference. Devices that generate electromagnetic waves must be kept away from the Sound Tower main unit - e.g., microwaves, wireless LAN devices, etc.
- Bluetooth Multi connection may not be supported depending on the connected device's specifications.
- Removable/detachable Bluetooth devices (Ex: Dongle etc..), windows phone, laptops, TV, etc. do not support Bluetooth Multi connection.
- After Bluetooth Multi connection pairing, there may be a slight delay before music starts playing depending on the Bluetooth devices.
- If you move too far out of range from the Sound Tower without first disconnecting your Bluetooth device, it may take a few minutes to connect other Bluetooth devices. If you turn the Sound Tower off and back on, you can connect other Bluetooth devices without waiting.

### **Disconnecting the Sound tower from the Bluetooth device**

Press the Source button on the top panel or on the remote control, and then change to any mode except "BT".

- Disconnecting takes time because the Bluetooth device must receive a response from the Sound tower.
- When the Soundtower is disconnected from a Bluetooth device, the sound tower will beep.

## Using Bluetooth Power On

When the Sound Tower is turned off, you can connect your smart device via a Bluetooth connection to turn it on.

1. Press and hold the **BASS** button on the remote control or on the top panel to enable the Bluetooth Power On function. Lighting bar will blink white once.
2. When the Sound Tower is off, connect your smart device via Bluetooth. (For information on Bluetooth connections, refer to your smart device's manual.)
3. When the connection is complete, the Sound Tower turns itself on automatically in Bluetooth mode.
  - Select the desired music to play from your smart device.

### NOTE

- Each time you press and hold the **BASS** button for 5 seconds, the LED lighting bar will blink white once and the status will alternate as follows:

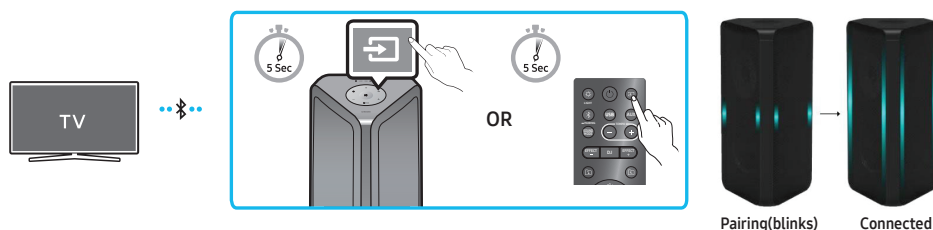
**BLUETOOTH POWER-ON→BLUETOOTH POWER-OFF**


## Connecting a Samsung TV via Bluetooth

When a TV is connected using Bluetooth, you can hear TV sound without the hassle of cabling.  
(Only one TV can be connected at a time)

### Precondition



- When connecting to a new BT device, make sure it is within 1m distance.
- While in wireless Group Play or Stereo mode, the Sound Tower cannot search for a TV via Bluetooth.
- If the Samsung TV doesn't support "**Easy Connection**", "**SEARCHING TV**" mode can not connect to a TV. Set your Sound Tower to "**BT PAIRING**" mode and connect the Samsung TV.



1. Press and hold  (**Source**) for more than 5 seconds on remote control or top panel then Sound Tower will start to search for the Samsung TV. Lighting bar will blink white once and then blink cyan, The "**PAIRING**" LED will slowly blink.  
(Or, when the wired Stereo Group mode connection is complete, the "**SEARCHING TV**" mode is automatically activated.)
2. If Samsung TV has connected with Sound Tower before, Samsung TV will be connected without popup.

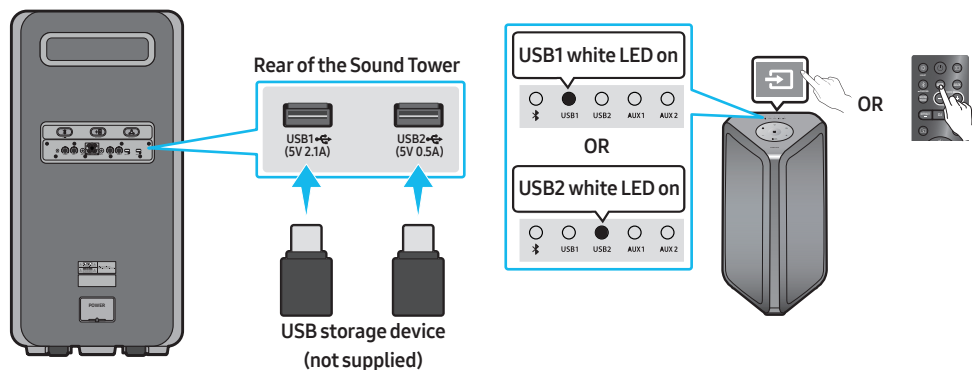
3. Sound from the TV will be heard once the Sound Tower connects via Bluetooth.
  - If Sound Tower can not find any Samsung TV within 5 minutes, Sound Tower will terminate “**SEARCHING TV**” mode and turn to “**BT PAIRING**” mode. If any Samsung TV is found, the Sound Tower will request connection to the TV.


## NOTES

- To stop searching for a Samsung TV, turn off the Sound Tower or press the  (Source) or  **PAIRING** button.
- Sound Tower does not support multi connection if Samsung TV is connected.
- While Samsung TV is connected, Sound mode is **PARTY** and **SOUND MODE** button is not available.
- While Samsung TV is connected, Sound Tower APP can not connect with Sound Tower.
- Connection popup may not be displayed according to TV spec, you can try pressing the **PAIRING** button on the rear panel of sound tower. On your Samsung TV, select “**[AV] MX-ST9B Series**” from the list that appears.
- You can select and connect directly from the Bluetooth speaker list on your TV when the connection pop-up does not appear on your TV.
- When the Sound Tower is connected to your TV by Bluetooth connection, the video on the TV and audio from the Sound Tower may not be synchronised because the distance between the Sound Tower and the TV is too far.

## 05 CONNECTING A USB STORAGE DEVICE

You can play music files located on USB storage devices through the Sound Tower.



1. Connect a USB storage device to the USB jacks on your Sound Tower.
2. Press the  (**Source**) button on the top panel or USB button of remote control, and then select "USB".
3. The **USB** indicator on the top panel is solid and when the files on the USB are read, the Lighting LED will blink blue. After reading the music file, the sound tower will automatically play the music.
  - ※ The lighting LED blinks white once when pressing the button (TEMPO+/-, Repeat, FOLDER UP/DOWN, Play/Pause, Skip) on remote control.
  - ※ Using with the Sound Tower App will provide a better experience.

### CAUTION

- DO NOT connect microphone dongle to the USB port, it may damage the Sound Tower.

### NOTES

- This product only supports USB storage devices that are formatted in the FAT and FAT32 file system.
- This product does not support HDD storage or storage on mobile devices.
- A maximum of 999 files can be played via USB storage device.
- A maximum of 256 folders can be read via USB storage device.
- The Sound Tower automatically turns off (Auto Power Down) if USB device is not connected, playback stopped, or there is no input for more than 18 minutes
- USB source does not support wireless Stereo and Group Play mode.

## Supported Audio Formats

File Extension	Audio Codec	Sampling Rate	Bit Rate
*.mp3	MPEG 1 Layer3	32 kHz ~ 48 kHz	32 kbps ~ 320 kbps
	MPEG 2 Layer3	16 kHz ~ 24 kHz	8 kbps ~ 160 kbps
	MPEG 2.5 Layer3	8 kHz ~ 12 kHz	8 kbps ~ 160 kbps
*.wma	WMA7/8/9	8 kHz ~ 48 kHz	32 kbps ~ 320 kbps
*.aac	AAC	8 kHz ~ 96 kHz	< 1728 kbps
	AAC-LC	8 kHz ~ 96 kHz	< 1728 kbps
	HE-AAC	8 kHz ~ 96 kHz	< 1728 kbps
*.wav	PCM/LPCM/ IMA_ADPCM	8 kHz ~ 192 kHz	< 5 Mbps
*flac	-	8 kHz ~ 192 kHz	< 5 Mbps

### NOTES

- This product does not support WMA Professional codec.
- The above table shows supported sampling rates and bit rates. Files in formats that are not supported will not play.
- AAC files only support the ADTS native format.

## Software Update

### Samsung may offer updates for the Sound Tower's system firmware in the future.

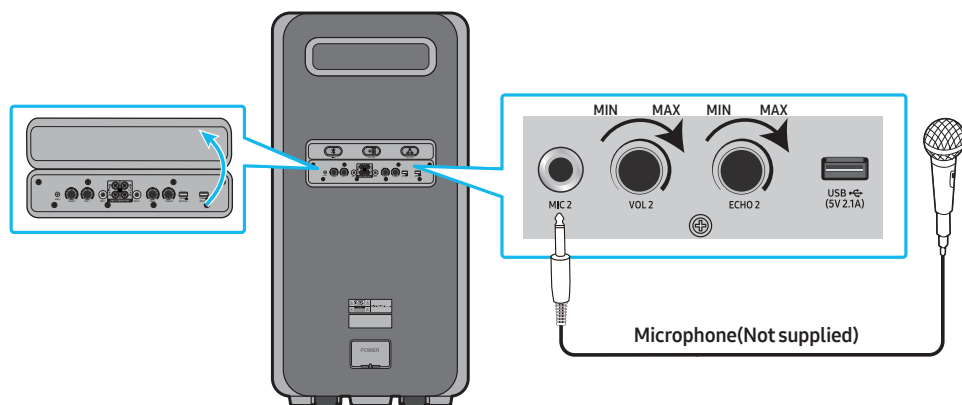
If an update is offered, you can update the firmware by connecting a USB device with the firmware update stored on it to the **USB2** port on your Sound Tower. For more information about how to download update files, go to the Samsung Electronics website at [www.samsung.com/us/support/](http://www.samsung.com/us/support/). Then, enter or select the model number of your Sound Tower, select the Software & Apps option, and then Downloads. Note that the option names can vary.

### NOTE

- If the upgrade takes more than 10 minutes, it means the upgrade process is stuck, Please unplug the power cord Wait until the sound tower is powered off and plug it back in again. Next, make sure the USB device is in the USB2 port. Then, wait 1 minute, and the sound tower will automatically restart, and then wait until the upgrade is complete. (Reset upgrade only supports FAT format)

# Connecting an Optional Microphone

You can output your voice from the system by connecting a dynamic microphone with a normal plug.



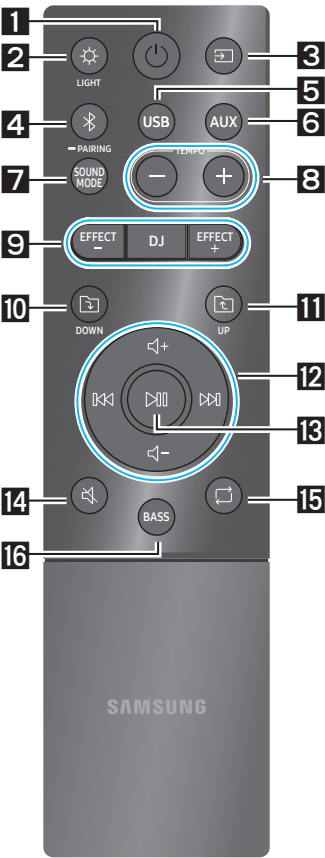
1. Open the rear panel cover.
2. Turn the MIC1/2, VOL1/2 & ECHO1/2 knob to MIN to reduce the microphone level.
3. Connect an optional microphone to the MIC jack on the unit.
4. Adjust the volume using the MIC "VOL1/2" knob.
5. Adjust the Effect of the echo using the MIC "ECHO1/2" knob.
6. Speak or sing into the connected microphone.







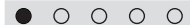






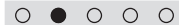

## NOTES








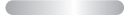







- Microphone is not supplied.
- When using the wireless Group Play or stereo mode function, sound from the microphone is only output from the system to which the microphone is connected.
- There may be distortion or noise caused by the quality of the microphone that is connected.




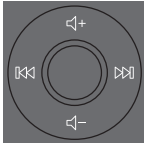



















# 06 USING THE REMOTE CONTROL


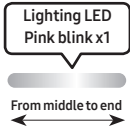
## How to Use the Remote Control



1	 Power	Turn the Sound Tower on and off.
2	 LIGHT <div>Lighting LED white blink x1</div> 	Press the  (LIGHT) button to turn the Lighting Mode on. (Only active during music playback) Press the button repeatedly to cycle through the available light modes: <b>AMBIENT, PARTY, DANCE, THUNDERBOLT, STAR</b> or <b>OFF</b> .
3	 Source <div>Lighting LED white blink x1</div>  <div>White LED moves to right on</div> 	Press to select a source connected to the Sound Tower. Press the button repeatedly to cycle through the available sources: <b>BT, USB1, USB2, AUX1</b> or <b>AUX2</b> .
4	 Bluetooth PAIRING <div>Lighting LED Cyan blinks</div> 	Press to select a source connected directly to "BT" mode. Press and hold the button for more than 5 seconds to enter the " <b>BT PAIRING</b> " mode. You can connect the Sound Tower to a new Bluetooth device in this mode by selecting the Sound Tower from the Bluetooth device's search list. <div> white LED on</div> 
5	 USB <div>Lighting LED white blink x1</div> 	Press to select the <b>USB1</b> or <b>USB2</b> source connected to the Sound Tower. <div>USB1 white LED on</div>  OR <div>USB2 white LED on</div> 

<p><b>6</b></p>	 <p><b>AUX</b></p> <p>Lighting LED white blink x1</p> 	<p>Press to select the <b>AUX1</b> or <b>AUX2</b> sources connected to the Sound Tower.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <p>AUX1 white LED on</p>  </div> <p>OR</p> <div style="text-align: center;"> <p>AUX2 white LED on</p>  </div> </div> <p>LED indicator on the top of the product</p>
<p><b>7</b></p>	 <p><b>SOUND MODE</b></p> <p>Lighting LED white blink x1</p> 	<p>Press the button repeatedly to cycle through the available sound effects: <b>PARTY, STANDARD, HIPHOP, EDM, ROCK, LATIN, HOUSE</b> or <b>REGGAE</b>.</p>
<p><b>8</b></p>	 <p><b>TEMPO +, -</b></p> <p>Lighting LED white blink x1</p> 	<p>Press the <b>TEMPO +</b> or <b>TEMPO -</b> buttons to change the tempo of the music up or down.</p> <ul style="list-style-type: none"> <li>This function only works in the <b>USB1</b> and <b>USB2</b> mode.</li> </ul>
<p><b>9</b></p>	 <p><b>DJ</b></p> <p>Lighting LED white blink x1</p> 	<p>This function lets you turn on the DJ effect function.</p> <p>Press the button repeatedly to cycle through the available DJ sound effects: <b>NOISE, FILTER, CRUSH, CHORUS, WAHWAH</b> or <b>OFF</b>.</p> <ul style="list-style-type: none"> <li><b>NOISE</b>: Mixing white noise into the original sound.</li> <li><b>FILTER</b>: Filter out the sound of some frequencies.</li> <li><b>CRUSH</b>: Make the original sound sharp.</li> <li><b>CHORUS</b>: Separate the original sound into several track and delay them separately, then mix again. Create a chorus effect.</li> <li><b>WAHWAH</b>: WAHWAH effect created by enhancing some specific frequencies of original sound.</li> </ul>
	 <p><b>EFFECT +, -</b></p> <p>Lighting LED white blink x1</p> 	<p>Press the <b>EFFECT +</b> or <b>EFFECT -</b> buttons to change the level of each DJ sound effect up or down.</p> <p>Effect value default is 5, can be changed to -15 ~ 0 ~ +15</p>
<p><b>10</b></p>	 <p><b>Folder DOWN</b></p> <p>Lighting LED white blink x1</p> 	<p>Press the  (<b>DOWN</b>) button to move to the next folder in the USB device.</p>

<p><b>11</b></p>	 <p><b>Folder UP</b></p> <p>Lighting LED white blink x1</p> 	<p>Press the  (<b>UP</b>) button to move to the previous folder in the USB device.</p>
<p><b>12</b></p>	 <p><b>Volume up, Volume down / Skip</b></p> <p>Lighting LED White blink x1</p>  <p>⏮+ From down to up → ⏭- From top to bottom ←</p>	<ul style="list-style-type: none"> <li>• <b>Volume up, Volume down</b> Press the + (<b>Volume up</b>) or - (<b>Volume down</b>) to adjust the volume level up or down.</li> <li>• <b>Music Skip</b> Press the  button to select the next music file. If the track has been playing less than 3s, press the  button to select the previous file, otherwise it will start the same track over. Press and hold the  button or the  button for more than 3 seconds in USB play mode to Fast Forward or Fast reverse. Press and hold the  button or the  button for more than 3 seconds again to get back to normal play.</li> </ul>
<p><b>13</b></p>	 <p><b>Play / Pause</b></p> <p>Lighting LED white blink x1</p> 	<p>Press the  button to pause a music file temporarily. When you press the button again, the music file plays.</p> <ul style="list-style-type: none"> <li>• <b>Auto Power Down Function</b> To turn off Auto Power Down function while the unit is in <b>AUX1</b>, <b>AUX2</b> mode, press and hold the  button for more than 5 seconds. Lighting bar will blink white once.</li> </ul>
<p><b>14</b></p>	 <p><b>Mute</b></p> <p>Lighting LED white blink x1</p> 	<p>Press the  (<b>Mute</b>) button to mute the sound. Press it again to unmute the sound.</p>
<p><b>15</b></p>	 <p><b>Repeat</b></p> <p>Lighting LED white blink x1</p> 	<p>Press the  (<b>Repeat</b>) button to use the Repeat function in "<b>USB1</b>" and "<b>USB2</b>" mode. Press the button repeatedly to cycle through the available repeat functions: <b>ONE</b>, <b>FOLDER</b>, <b>ALL</b>, <b>RANDOM</b> or <b>OFF</b>.</p>


16		Press the <b>BASS</b> button to use the bass boost. Press it again to return to the normal sound. Press and hold the <b>BASS</b> button for more than 5 seconds to turn on or off the <b>BLUETOOTH POWER</b> function.
※	<p><b>Not available</b></p> 	The remote control button function is not available in the current source.

## How to use Sound Mode

Your Sound Tower provides predefined equalizer settings that are optimized for particular music genres.

1. Press the **SOUND MODE** button on the Remote control.
2. Each time you press the **SOUND MODE** button, the Sound Tower cycles through the available sound effects: **PARTY**, **STANDARD**, **HIPHOP**, **EDM**, **ROCK**, **LATIN**, **HOUSE** or **REGGAE**.

### NOTES


- Default sound mode is **PARTY**.
- When turned off, press and hold the  button on product or remote control for more than 5 seconds to turn on in the default Sound Mode setting.

## How to use DJ Effect

The DJ Effect function lets you add DJ sound effects to your music. The level of each effect is adjustable.

1. Press the **DJ** button on the Remote control.
2. Each time you press the **DJ** button, the Sound Tower cycles through the available DJ Effects:
  - **NOISE**: Create white noise mixed with the original sound through the filter and output.
  - **FILTER**: Creates an effect similar to the sound of only treble or bass.
  - **CRUSH**: Creates an effect that makes the original sound sharper.
  - **CHORUS**: Creates an effect similar to a singing chorus.
  - **WAHWAH**: Creates a 'Wah~ Wah~' effect.
  - **DJ EFFECT OFF**: Turns off the DJ Effect.
3. Press the **EFFECT +** or **EFFECT -** buttons to raise or lower the level of each of the DJ sound effects from -15 to +15.

### NOTE

- When turned off, press and hold the  button on product or remote control for more than 5 seconds to turn on in the default DJ Effect setting.

# 07 USING THE SAMSUNG SOUND TOWER APP

## Install Samsung Sound Tower App

To control this product with your Smart Device and the Samsung Sound Tower app, download the Samsung Sound Tower App from the Google Play Store or Apple App Store, and install it on your Smart Device.

## Using the Samsung Sound Tower App

You can control the system more flexibly and enjoy it in new ways using the App.

### Precondition

- This function may not be supported, depending on the mobile device.
- App cannot be used when connecting with Samsung TV.
- This function is compatible with Apple mobile devices running iOS 11.0 or later.
- This function is compatible with Android mobile phone devices running Android OS 8.0.
- App cannot be used when using Bluetooth multi connection.

Market search : Samsung Sound Tower



1. Download the Samsung Sound Tower App from the Google Play Store or Apple App Store, and install it on your Smart Device.
2. Turn on the Sound Tower app on your mobile device.
3. A connection is established between the mobile device and Sound tower via Bluetooth.
4. Play audio from the mobile device through the Sound tower

## What you can do with Samsung Sound Tower App:

- Balance the sound using preset EQs or custom EQs.
- Change the sound effect using DJ EFFECT.
- Configure the various settings for the system.
- Change the light effect by preset or custom.
- Adjust the Volume.
- Switch source

### NOTES

- To use this function, update the Sound tower app to the latest version. The function may not be supported, depending on the app version.
- The Sound tower app may not work if there are devices near the Sound tower that cause radio interference such as electric devices. Make sure devices that may cause radio interference are placed at a sufficient distance away from the Sound tower.
- If the sound tower app doesn't work:
  - Reboot the mobile device.
  - Update the Sound Tower app to the latest version.
  - Reinstall the Sound Tower app after uninstalling.
  - Update the phone system version.

# 08 TROUBLE SHOOTING

Refer to the table below if this product does not function properly.

<b>Sound Tower does not turn on.</b>	<ul style="list-style-type: none"><li>→ Power cannot be turned on via remote control or mobile Party Audio App, Remove the power plug, after a while plug it in again, Press the POWER button to turn on the Sound Tower.</li></ul>
<b>Sound Tower works erratically.</b>	<ul style="list-style-type: none"><li>→ Remove the power plug, after a while plug-in it again, Press the POWER button to turn on the Sound Tower.</li><li>→ Power cycle the external device and try again.</li><li>→ If there is no signal, the Sound Tower automatically turns off after a certain period of time. Press the POWER button to turn on the Sound Tower.</li></ul>
<b>If the remote control does not work.</b>	<ul style="list-style-type: none"><li>→ Point the remote directly at the Sound Tower.</li><li>→ Replace the batteries with new ones.</li></ul>
<b>Sound Tower does not output any sound via Bluetooth.</b>	<ul style="list-style-type: none"><li>→ The volume of the Sound Tower is too low or muted. Press the volume up button to increase the volume.</li><li>→ When any external device (STB, Bluetooth device, mobile device, etc.) is connected, Increase the volume of the external device.</li><li>→ For sound output of the TV, select Sound Tower. (Samsung TV: Home Menu → Settings → All Settings → Sound → Sound Output → Select Sound Tower).</li></ul>
	<ul style="list-style-type: none"><li>→ Remove the power plug, after a while plug it in again, Press the POWER button to turn on the Sound Tower.</li><li>→ When connecting a new device, switch to "BT PAIRING" for connection. (Press and hold the PAIRING button on the remote control for more than 5 seconds to enter the "BT PAIRING" mode, or single-click the PAIRING button on the rear panel.)</li></ul>
	<b>Sound Tower does not connect via Bluetooth.</b>
	<ul style="list-style-type: none"><li>→ If the Sound Tower is connected to another device, disconnect that device first to switch the device.</li><li>→ Enable the Bluetooth pairing function of the Bluetooth device and Sound Tower.</li><li>→ It is recommended to move the Sound Tower closer to your Bluetooth device within 1 meter.</li><li>→ Remove the power plug, after a while plug-in it again, Press the POWER button to turn on the Sound Tower.</li></ul>
	<b>Sound drops out when connected via Bluetooth.</b>
	<ul style="list-style-type: none"><li>→ Some devices can cause radio interference if they are located too close to the sound tower. e. g. microwaves, wireless routers, etc.</li><li>→ If your device that is connected via Bluetooth moves too far away from the Sound Tower. Move the device closer to the Sound Tower.</li></ul>

- If there are obstacles between the Sound Tower and your Bluetooth device, remove or avoid the obstacles.
- There may be sound drop when connected to Samsung TV, please refer to page15 "Using Stereo Mode of Samsung TV" steps to reconnect the Samsung TV.
- The recommended operating distance between Sound Tower and the BT device is less than 10 meters

#### **There is severe hum, noise, or distorted sound when connected via Bluetooth.**

- If there are obstacles between the Sound tower and your Bluetooth device, remove or avoid the obstacles.
- Some devices can cause radio interference if they are located too close to the sound tower. e. g. microwaves, wireless routers, etc.

#### **The PAIRING button is not working.**

- Try again after disconnecting the wireless Group Play or Stereo mode connection.

#### **The USB device is not recognized.**

- Switch the source to USB1/USB2 by pressing the source button, plug-in the USB device to correct port(USB1/USB2).
- Turn off the sound tower, turn on the sound tower, reconnect the USB device.
- You may be using an unsupported USB device. The USB storage device must be formatted in FAT or FAT32.

#### **Files in USB device cannot be played back.**

- Switch the source to USB1/USB2 by pressing the source button, plug-in the USB device to correct port(USB1/USB2).
- You may using an unsupported USB device. The USB storage device must be formatted in FAT or FAT32.
- The file format may not supported. Sound tower only supports MP3,WMA,AAC,WAV and FLAC file format.
- Turn off the sound tower ,turn on the sound tower, reconnect the USB device.
- Files that are encrypted or protected by passwords cannot be played back.

#### **The connected USB device cannot be charged.**

- USB port is only for USB storage device playback.

#### **Sound Tower does not output any sound via AUX.**

- Make sure the external device is in AUX output mode, and make sure sound tower switch to AUX1 or AUX2 source.
- Make sure the AUX cable is connected to AUX1 or AUX2 securely.
- The volume of the Sound Tower is too low or muted. Adjust the volume.
- When any external device (STB, Bluetooth device, mobile device, etc.) is connected, adjust the volume of the external device.
- Remove the power plug, after a while plug-in it again, Press the POWER button to turn on the Sound Tower.

### **Stereo mode connection is not working.**

- The Add Stereo button does not work in Group Play mode, disconnect the wireless Group Play mode and try Stereo mode connection again.

### **I want to switch the HOST (MAIN) system to the other in wireless Group Play or Stereo Group connection.**

- Disconnect Group Play mode, select the Speaker which you want make to HOST first, and then use the Group LED to connect the other speakers.
- With Stereo Group mode, MAIN is fixed. You can not change other sound towers to MAIN.

### **I cannot make a "Wireless/ Wired Group/ Add Stereo/ Bluetooth" connection.**

- It is recommended to make a "Wireless/ Wired Group/ Add Stereo/ Bluetooth" pairing within 1 meter from the system.
- Sound Tower can not connect to Samsung TV when using Wireless add Stereo mode.

### **MIC is not working?**

- Adjust the VOL knob of the rear panel.
- MIC only works on the connected sound tower in the group mode, does not work on both sound towers.
- Try disconnecting and reconnecting the Microphone again.

### **BT power on not working.**

- Remove the power plug, after a while plug-in it again, Press the POWER button to turn on the Sound Tower.

### **How to use the water resistant function?**

- Water resistance can be met when AC power cord is plugged-in, but make sure that the caps are closed completely. Product cannot knocked over to ensure it is water resistant.

### **I cannot change wireless Stereo mode to wired Stereo mode.**

- Make sure the HOST(main) system is in Bluetooth source.

### **I cannot change the source.**

- The SUB can't change the source in Stereo mode.

### **If the sound tower app doesn't work.**

- Reboot the mobile device.
- Update the Sound Tower app to the latest version.→ Reinstall the Sound Tower app after uninstalling.→ Update the phone system version.
- This function is compatible with Apple mobile devices running iOS 11.0 or later.
- This function is compatible with Android mobile phone devices running Android OS 8.0 or later.

## 09 LICENCES & OTHER INFORMATION

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The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Samsung Electronics Co., Ltd. is under license. Other trademarks and trade names are those of their respective owners.

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Please visit [www.samsung.com/global/ecodesign\\_energy](http://www.samsung.com/global/ecodesign_energy) to find further information about off mode, standby mode, and networked standby mode associated with EU standby ecodesign regulation.



### [ENERGY STAR]

#### **ENERGY STAR qualified model only**

- Your Samsung product is ENERGY STAR qualified in its factory default setting. Change to certain features, settings and functionality in this product can change the power consumption, possibly beyond the limits required for ENERGY STAR qualification.
- Environmental Protection Agency and Department of Energy. ENERGY STAR is a joint program of the Government agencies, designed to promote energy efficient products and practices.

Refer to [www.energystar.gov](http://www.energystar.gov) for more information of the ENERGY STAR Program.

#### **ENERGY STAR qualified model only (Applicable to Thin Client models only)**

As an ENERGY STAR® Partner, SAMSUNG has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

- The ENERGY STAR Program has been to reduced greenhouse gas emissions and save energy through voluntary labeling.
- Power management setting of this product have been enabled by default, and have various timing setting from 1 minutes to 5 hours.
- The product can wake with a button press on the chassis from sleep mode.

#### **ENERGY STAR qualified model only (The other models)**

- As an ENERGY STAR Partner, Samsung has determined that this product or product models meets the ENERGY STAR guideline for energy efficiency.
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## 10 OPEN SOURCE LICENCE NOTICE

To send inquiries and requests regarding open sources, contact Samsung via Email ([oss.request@samsung.com](mailto:oss.request@samsung.com)).

## 11 IMPORTANT NOTES ABOUT SERVICE

- Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance.
- An administration fee may be charged if either
  - (a) an engineer is called out at your request and there is no defect with the product (i.e. where the user manual has not been read).
  - (b) you bring the unit to a repair centre and there is no defect with the product (i.e. where the user manual has not been read).
- You will be informed of the administration fee amount before a technician visits.

# 12 SPECIFICATIONS AND GUIDE

## Specifications

Model Name	MX-ST90B
USB1/USB2	USB1: 5V/2.1A USB2: 5V/0.5A
Weight	24.5kg
Dimensions (W x H x D)	424 x 861 x 383mm
Operating Temperature Range	+5°C to +35°C
Operating Humidity Range	10 % ~ 75 %
AMPLIFIER Rated Output power	1700 W
Overall Power Consumption	150W
WIRELESS DEVICE OUTPUT POWER BT max transmitter power	100 mW at 2.4 GHz - 2.4835 GHz
Overall Standby Power Consumption (W)	2.0W
Bluetooth Port deactivation method	Press and hold the <b>BASS</b> button for more than 5 seconds to turn off Bluetooth Power function.

### NOTES

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

Hereby, Samsung declares that this radio equipment is in compliance with Directive 2014/53/EU and the relevant UK statutory requirements.

The full text of the declaration of conformity is available at the following internet address:

<http://www.samsung.com> go to Support and enter the model name.

This equipment may be operated in all EU countries and in the UK.



**[Correct disposal of batteries in this product]**

**(Applicable in countries with separate collection systems)**

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66.

If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.



**Correct Disposal of This Product**

**(Waste Electrical & Electronic Equipment)**

**(Applicable in countries with separate collection systems)**

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For information on Samsung's environmental commitments and product specific regulatory obligations e.g. REACH, WEEE, Batteries, visit:

[www.samsung.com/uk/aboutsamsung/sustainability/environment/our-commitment/data/](http://www.samsung.com/uk/aboutsamsung/sustainability/environment/our-commitment/data/)



# UNITED KINGDOM



# EIRE

This Samsung product is warranted for the period of twelve (12) months from the original date of purchase, against defective materials and workmanship. In the event that warranty service is required, you should return the product to the retailer from whom it was purchased. However, Samsung Authorised Dealers and Authorised Service Centres in other EC Countries will comply with the warranty on the terms issued to purchasers in the country concerned. In case of difficulty, details of our Authorised Service Centres are available from:

**Samsung Electronics U.K. Ltd**  
**Samsung Customer Support Centre**  
**Selectapost 38, Sheffield, S97 3FJ**  
**United Kingdom**

**United Kingdom**  
**Tel : 0333 000 0333**  
**[www.samsung.com/uk/support](http://www.samsung.com/uk/support)**

**EIRE**  
**Tel : 0818 717100**  
**[www.samsung.com/ie/support](http://www.samsung.com/ie/support)**

## ■ WARRANTY CONDITIONS

1. The warranty is only valid if, when warranty service is required, the warranty card is fully and properly completed and is presented with the original invoice or sales slip or confirmation, and the serial number on the product has not been defaced.
2. Samsung's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part. Repaired or replaced products may include new and or refurbished components and equipment.
3. Warranty repairs must be carried out by Authorised Samsung Dealers or Authorised Service Centres. No re-imbursement will be made for repairs carried out by non Samsung Dealers and, any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
4. This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any Country other than the one for which the product was originally designed and manufactured. This warranty will not cover, and no re-imbursement will be made for such adaptation nor any damage which may result.
5. This warranty covers none of the following:
  - a) Periodic check ups, maintenance and repair or replacement of parts due to normal wear and tear.
  - b) Cost relating to transport, removal or installation of the product.
  - c) Misuse, including the failure to use this product for its normal purposes or incorrect installation.
  - d) Damage caused by Lightning, Water, Fire, Acts of God, War, Public Disturbances, incorrect mains voltage, improper ventilation or any other cause beyond the control of Samsung.
6. This warranty is valid for any person who legally acquired possession of the product during the warranty period.
7. The consumers' statutory rights in any applicable national legislation whether against the retailer arising from the purchase contract or otherwise are not affected by this warranty. Unless there is national legislation to the contrary, the rights under this warranty are the consumers' sole rights and Samsung, its subsidiaries and distributors shall not be liable for indirect or consequential loss or any damage to disc based media, removable memory or any other related equipment or material.
8. Samsung shall honour warranties for all EU specification products purchased by a consumer within the following European countries listed.
  - UK, Republic of Ireland, Germany, France, Italy, Malta, Spain, Portugal, The Netherlands, Belgium, Luxembourg, Denmark, Sweden, Finland, Poland, Hungary, Czech Republic, Slovakia, Austria, Slovenia, Croatia, Estonia, Latvia, Lithuania, Greece, Cyprus, Romania, Bulgaria, Switzerland, Norway, Lichtenstein and Iceland.

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## Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care Centre.

Country	Samsung Service Centre ☎	Web Site
■ Europe		
UK	0333 000 0333	<a href="http://www.samsung.com/uk/support">www.samsung.com/uk/support</a>
IRELAND (EIRE)	0818 717100	<a href="http://www.samsung.com/ie/support">www.samsung.com/ie/support</a>
GERMANY	06196 77 555 77	<a href="http://www.samsung.com/de/support">www.samsung.com/de/support</a>
FRANCE	01 48 63 00 00	<a href="http://www.samsung.com/fr/support">www.samsung.com/fr/support</a>
ITALIA	800-SAMSUNG (800.7267864)	<a href="http://www.samsung.com/it/support">www.samsung.com/it/support</a>
SPAIN	91 175 00 15	<a href="http://www.samsung.com/es/support">www.samsung.com/es/support</a>
PORTUGAL	210 608 098 Chamada para a rede fixa nacional Dias úteis das 9h às 20h	<a href="http://www.samsung.com/pt/support">www.samsung.com/pt/support</a>
LUXEMBURG	261 03 710	<a href="http://www.samsung.com/be_fr/support">www.samsung.com/be_fr/support</a>
NETHERLANDS	088 90 90 100	<a href="http://www.samsung.com/nl/support">www.samsung.com/nl/support</a>
BELGIUM	02-201-24-18	<a href="http://www.samsung.com/be/support">www.samsung.com/be/support</a> (Dutch) <a href="http://www.samsung.com/be_fr/support">www.samsung.com/be_fr/support</a> (French)
NORWAY	21629099	<a href="http://www.samsung.com/no/support">www.samsung.com/no/support</a>
DENMARK	707 019 70	<a href="http://www.samsung.com/dk/support">www.samsung.com/dk/support</a>
FINLAND	030-6227 515	<a href="http://www.samsung.com/fi/support">www.samsung.com/fi/support</a>
SWEDEN	0771-400 300	<a href="http://www.samsung.com/se/support">www.samsung.com/se/support</a>
POLAND	801-172-678* lub +48 22 607-93-33* Specjalistyczna infolinia do obsługi zapytań dotyczących telefonów komórkowych: 801-672-678* * (opłata według taryfy operatora)	<a href="http://www.samsung.com/pl/support/">http://www.samsung.com/pl/support/</a>
HUNGARY	0680SAMSUNG (0680-726-7864)	<a href="http://www.samsung.com/hu/support">www.samsung.com/hu/support</a>
AUSTRIA	0800 72 67 864 (0800-SAMSUNG)	<a href="http://www.samsung.com/at/support">www.samsung.com/at/support</a>
SWITZERLAND	0800 726 786	<a href="http://www.samsung.com/ch/support">www.samsung.com/ch/support</a> (German) <a href="http://www.samsung.com/ch_fr/support">www.samsung.com/ch_fr/support</a> (French)

Country	Samsung Service Centre ☎	Web Site
CZECH	800 - SAMSUNG (800-726786)	<a href="http://www.samsung.com/cz/support">www.samsung.com/cz/support</a>
SLOVAKIA	0800 - SAMSUNG (0800-726 786)	<a href="http://www.samsung.com/sk/support">www.samsung.com/sk/support</a>
CROATIA	072 726 786	<a href="http://www.samsung.com/hr/support">www.samsung.com/hr/support</a>
BOSNIA	055 233 999	<a href="http://www.samsung.com/support">www.samsung.com/support</a>
NORTH MACEDONIA	023 207 777	<a href="http://www.samsung.com/mk/support">www.samsung.com/mk/support</a>
MONTENEGRO	020 405 888	<a href="http://www.samsung.com/support">www.samsung.com/support</a>
SLOVENIA	080 697 267 (brezplačna številka)	<a href="http://www.samsung.com/si/support">www.samsung.com/si/support</a>
SERBIA	011 321 6899	<a href="http://www.samsung.com/rs/support">www.samsung.com/rs/support</a>
KOSOVO	038 40 30 90	<a href="http://www.samsung.com/support">www.samsung.com/support</a>
ALBANIA	045 620 202	<a href="http://www.samsung.com/al/support">www.samsung.com/al/support</a>
BULGARIA	0800 111 31 - Безплатен за всички оператори *3000 - Цена на един градски разговор или според тарифата на мобилният оператор 09:00 до 18:00 - Понеделник до Петък	<a href="http://www.samsung.com/bg/support">www.samsung.com/bg/support</a>
ROMANIA	0800872678 - Apel gratuit *8000 - Apel tarifat în rețea	<a href="http://www.samsung.com/ro/support">www.samsung.com/ro/support</a>
CYPRUS	8009 4000 only from landline, toll free	<a href="http://www.samsung.com/gr/support">www.samsung.com/gr/support</a>
GREECE	80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line	
LITHUANIA	8-800-77777	<a href="http://www.samsung.com/lt/support">www.samsung.com/lt/support</a>
LATVIA	8000-7267	<a href="http://www.samsung.com/lv/support">www.samsung.com/lv/support</a>
ESTONIA	800-7267	<a href="http://www.samsung.com/ee/support">www.samsung.com/ee/support</a>