SAMSUNG

FULL MANUAL

MX-ST50B

Imagine the possibilities

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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.

	CAUTION	
	RISK OF ELECTRIC SHOCK. **DO NOT OPEN.**	
	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 : This symbol indicates that the rated voltage marked with the symbol is AC voltage.	
---	DC voltage : This symbol indicates that the rated voltage marked with the 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.
- The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION
- TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.
- 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.

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 applicance 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.
- IPX5 cannot be met when any JACK or AC power is plugged in.
- The product cannot be dumped to ensure it is water resistant.
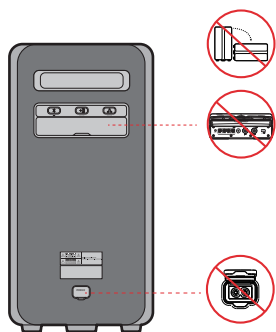
- The Sound Tower provides durability by IPX5.

Protection against solids	IP		Protection against water
	0	5	
No requirements	X	X	No requirements
No protection	0	0	No protection
Solids> 50 mm	1	1	Vertically falling water
Solids> 12 mm	2	2	Vertically water-enclosure tilted 15°
Solids> 2.5 mm	3	3	Sprayed water 60° from vertical
Solids> 1.0 mm	4	4	Splashed water from all directions
Dust Protected	5	5	Hosing jets from all directions
Dust tight	6	6	Strong hosing jets from all directions
-		7	Temporary Immersion: 1m for 30 minutes
-		8	Immersion: manufacture defined depth and time

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.
5. The battery used with this product contains chemicals that are harmful to the environment. Do not dispose of the battery in the general household trash. Do not expose the battery to excess heat, direct sunlight, or fire. Do not short circuit, disassemble, or overheat the battery.
CAUTION: Danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type.

Others

- As the battery is manufactured only for this product, do not use the battery for other electronic appliances or other purposes.
- When discarding a dead battery, put it into a battery collection box for recycling.
- Do not disassemble the battery.
- To protect the battery, the battery cannot be charged when the temperature is lower than 3 °C or higher than 42 °C.
- When the battery level is low, recharge it. If the level of the battery remains low for a long period of time, it can cause the performance of the battery to degrade.
- Do not apply heat to the battery and do not put the battery in a fire.
- Do not disassemble the battery.
- To protect the battery, the Sound Tower may not operate when the temperature is lower than -17 °C or higher than 57 °C.

ABOUT THIS MANUAL

The user manual has two parts: this simple paper USER MANUAL and a detailed FULL MANUAL you can download.
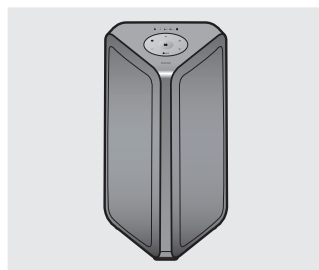
	USER MANUAL See this manual for safety instructions, product installation, components, connections, and product specifications.
	FULL MANUAL You can access the FULL MANUAL on Samsung's on-line customer support centre by scanning the QR code on the left. To see the manual on your PC or mobile device, 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

01 CHECKING THE COMPONENTS

Sound Tower Main Unit	Remote Control / Batteries	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.
- When moving the product, do not drag or pull the product from the ground. Lift the product when moving the product.
- Design and specifications are subject to change without prior notice.
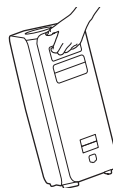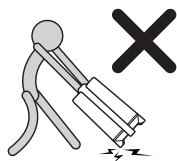
Inserting Batteries before using the Remote Control (AAA batteries X 2)

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.
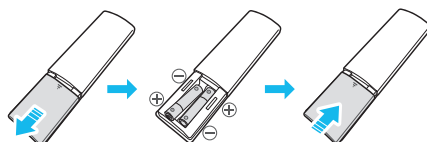
02   PRODUCT OVERVIEW

Top Panel of the Sound Tower

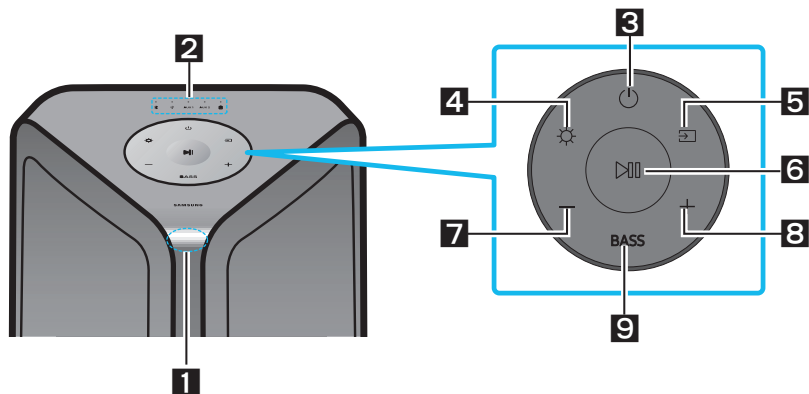|		
1	**Remote Sensor**	When operating the Sound Tower system, please aim the front of the remote control at the remote sensor.
2	**LED Indicator**	Displays operating messages or current source of the Sound Tower system. The information sources represented by each LED are as follows: ✳ (BT) ⫫ (USB) **AUX 1** (AUX1) **AUX 2** (AUX2) 🔋 (Power/Battery)
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**	• **Play/Pause** Press the ▷❚❚ button to pause a music file temporarily. When you press the button again, the music file plays. • **Demo play** 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. – Please be careful as it may play louder than the set volume.
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 powerful bass sound.

Rear Panel of the Sound Tower
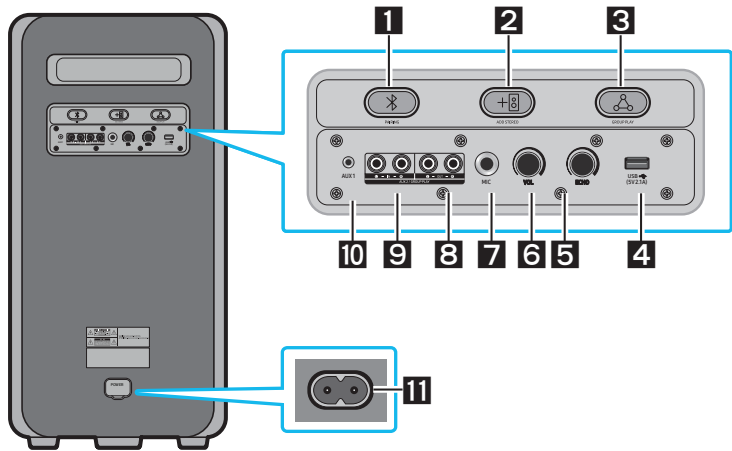
1	**Bluetooth PAIRING**	Press the ✳ **PAIRING** button to enter pairing mode, "PAIRING" LED on the rear plane will be fast blink.
2	**ADD STEREO**	Press the **ADD STEREO** button to connect to another same model Sound Tower wirelessly.
3	**GROUP PLAY**	Press the **GROUP PLAY** button to connect up to ten Sound Tower systems wirelessly.
4	**USB**	Connect a USB device to the **USB** ports on the main unit. If you connect your cell phone to the **USB** port, you can charge it. • Press the ⟶ **(Source)** button to select **USB**.
5	**ECHO**	You can give an echo effect to the sound from a connected microphone **(MIC)** by adjusting the **ECHO** knob.
6	**VOL**	Use the **VOL** knob to adjust the volume of a connected microphone **(MIC)**.
7	**MIC**	Connect your microphone to the **MIC** jack.
8	**GROUP PLAY OUT Terminals**	Use an Audio Cable (not supplied) to connect **GROUP PLAY (OUT)** terminals on the main unit to Audio In on an external analogue output device.
9	**GROUP PLAY IN Terminals**	Use an Audio Cable (not supplied) to connect **AUX2(IN)** terminals on the main unit to Audio Out on an external analogue output device.
10	**AUX1**	Use an Audio (AUX) Cable (not supplied) to connect **AUX1** jack on the main unit to Audio Out on an external device.
11	**Power**	Connect the power cord to the **Power** jack and connect the other end of the power cord to a wall socket to supply electrical power to the Sound Tower.

Charge LED State of the Sound Tower:

Sound Tower state	Charging state	Charge LED (AC Mode)	Charge LED (DC Mode)	Remark
Off	Fully charged	Off(black)	Off (black)	
Off	Charging	Green blinks	N/A	
Off	Not in charging	Off (black)	Off (black)	The AC cable is not inserted.
Stand by	Fully charged	Blue on	N/A	There is no standby mode in DC mode.
Stand by	Charging	Green blinks	N/A	The charging LED is the same as when Sound Tower is shut down.
On	Fully charged	Blue on	Blue on	When turned on, Sound Tower mainly reflects the current battery state.
On	Charging	Green blinks	N/A	
On	Not in charging and 30%~98%power	Green on	Green on	
On	Not in charging and 5% ~ 29% power	Red on	Red on	
On	Not in charging and below 5% power	Red on	Power off after Light bar orange blink once	

In DC mode shutdown, the entire system power will be turned off. So in the off state, compared with AC mode, the following functions are not supported.

Feature
Wake up via bluetooth
Shop mode
Power Off Setting
Customer Reset
Power on via IR
Battery Charge
AUI on/off
UI feedback of LED lighting bar(front) on/off

# 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.
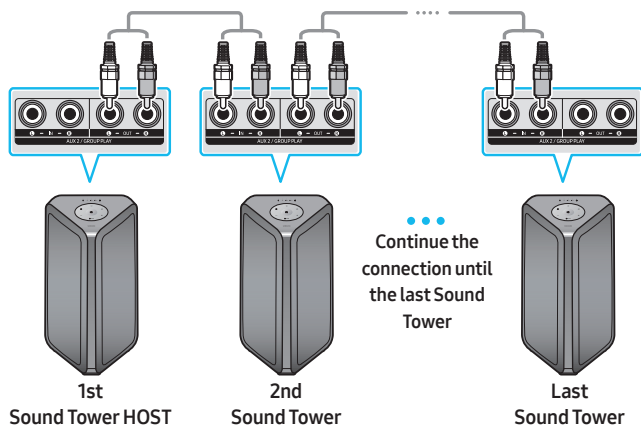
See the illustrations below.

- When the AC cord is pressed in, the built-in battery will be charged automatically until the battery is fully charged. The LED indicator on the top panel will show the current charging state (refer to page ENG - 4).
- When you unplug the set to run on battery, the volume level drops dramatically.
- 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)

Rear of Sound Tower

Connecting Electrical Power
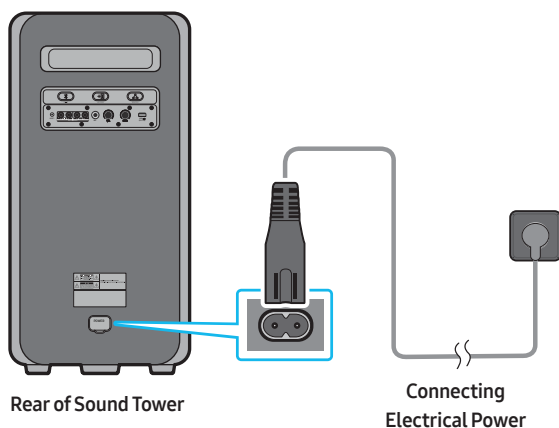
How to use Audio Group

You can connect multiple audio systems in a group to create a party environment and produce higher sound output. Set one Sound Tower as the HOST and any music played on it will be shared among any other Sound Tower systems in the Audio group.

Connecting the wired Group Play mode

**1st
Sound Tower HOST**

**2nd
Sound Tower**

● ● ●
Continue the connection until the last Sound Tower

**Last
Sound Tower**

Set up Group Play by connecting all the systems using audio cables (not supplied). Use the **AUX** or →⃞ **(Source)** button to change the source to **AUX2** for every Sound Tower system except the 1st (or HOST) Sound Tower system.

NOTES

- The 1st Sound Tower HOST can play music from any source.
- Depending on the length or characteristics of the cable, there may be a difference in operating distance.

Connecting the wireless Group Play mode

You can connect up to ten Sound Tower systems with the wireless Group Play function.

Green flashing
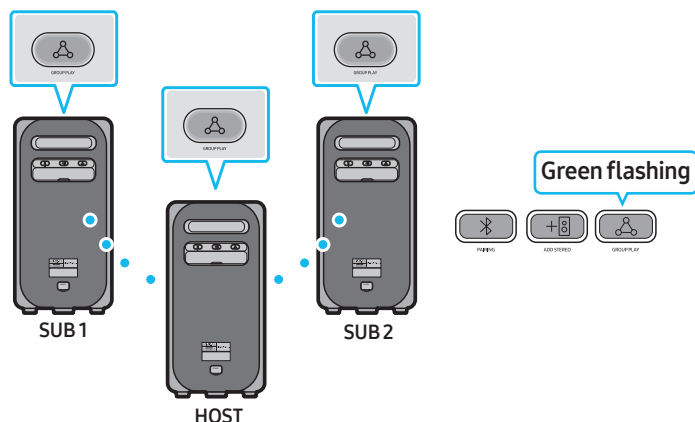
SUB 1
SUB 2
HOST

1. Press the **GROUP PLAY** button on the **HOST** Sound Tower system, After "GROUP LED" solw blinks 10 seconds, "**GROUP PLAY**"LED will be fast blink (30s).
2. Press the **GROUP PLAY** button on the 2nd Sound Tower system (SUB 1)."**GROUP PLAY**"LED will be blink.And then SUB1 will be connected with HOST,"GROUP PLAY"LED of SUB1 and HOST will stop blinking and turn on.
3. Press the **GROUP PLAY** button on the 3rd Sound Tower system (SUB 2). Tone prompt instead the **GROUP PLAY** button on the system stops blinking.
4. If you want to add more Sound Tower systems, repeat step 3.
5. Play music on the HOST Sound Tower. Sound outputs from all the connected systems.

NOTES
- In Group play mode, "HOST" Sound Tower (Figure 1) can connect to the Samsung TV. After the connection is successful, the Group play mode automatically exits.
- The wireless Group Play connection is available for MX-ST90B/MX-ST50B/MX-ST40B.
- Environmental conditions or other factors with connected devices may have effect on playback quality.
- If the red LED is on the **GROUP PLAY** button, an error has occurred in the wireless Group Play connection. Try step 1 to step 5 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 system is not available while in wireless Group Play mode.
- Long press "**GROUP PLAY**" in BT Source state to enter Group mode as "HOST".

- All SUB units must be connected one by one. For example, after HOST is connected, press **GROUP PLAY** button on SUB 1 to connect, and after SUB 1 is connected, you should connect SUB 2 and SUB 3 one by one sequentially.
- While using Group Play, currently connected Bluetooth devices are disconnected and Bluetooth connection is disabled.
- Bluetooth devices can search and connect with the HOST Sound Tower only.
- When in Group Play mode, the SUB cannot connect to a Bluetooth device.
- If you power off and then power on the Sound Tower or select any source other than **BT** on a SUB unit, in Group Play mode, the Group Play mode is disconnected.
- This product does not support aptX audio stream with Wireless Group Play mode.

Disconnecting the wireless Group Play mode

1. Press and hold the **GROUP PLAY** button over 5 seconds (HOST or SUB) after Group Play is connected or press the **GROUP PLAY** button (HOST or SUB) before Group Play is connected.
   - Tone prompt instead and the LED above the **GROUP PLAY** button is 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.
   - If the disconnection is made from the HOST Sound Tower, Group Play 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.

NOTE

- In wireless connection, Playback quality can be unstable depending on Bluetooth environment. For better play, please keep the device in wired Group Play mode.
- The first bluetooth connection should be within 1m.

Using a Smartphone and Stereo Group mode

Connect two Sound Tower and use them with your smartphone to enjoy stereo sound.

| Left Sound Tower | Right Sound Tower |
| (MAIN) | (SUB) |
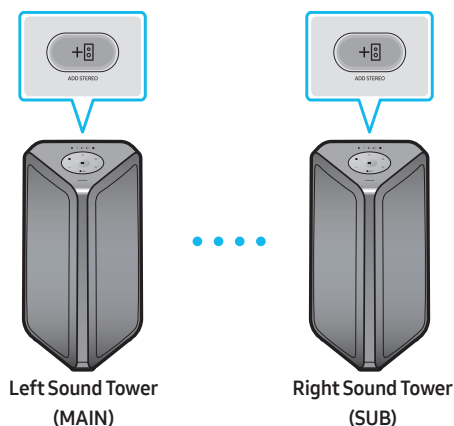
1. Press the **ADD STEREO** button on the left Sound Tower system. The LED blinks on the **ADD STEREO** button.
2. Press the **ADD STEREO** button on the right Sound Tower system. The LED blinks on the **ADD STEREO** button.
3. When the connection is made, tone prompt. Back plane ADD LED Green Indicator Steady on.
   - The MAIN Sound Tower system outputs left channel sound and the SUB Sound Tower system outputs right channel sound. Press the **ADD STEREO** button on the MAIN or SUB Sound Tower to change the sound channel of the Sound Tower.
4. Play music by connecting your smartphone to the MAIN Sound Tower and Bluetooth. Sound is output from both Sound Tower.

NOTES

- To use the Stereo Group mode, both Sound Tower systems must be the same model.
- Environmental conditions or other factors with connected devices may have effect on playback quality.
- If the red LED is on the **ADD STEREO**, an error has occured in the Stereo Group connection. Try step 1 and step 3 again.
- Remote Controller, **BT PAIRING**, **GROUP PLAY** and ⇥ **(Source)** buttons on the SUB Sound Tower systems are disabled while in Stereo Group mode.
- The **GROUP PLAY** button on the MAIN Sound Tower system is not available while in Stereo Group mode.

- In mode other than "**BT**" (ex. **USB**, **AUX** mode), music is played only in MAIN Sound Tower and music is not played in 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 Group mode.
- If you try to connect a Bluetooth device while Stereo Group is connecting, the Stereo Group mode may fail.

Terminate the Stereo Group mode

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

- Tone prompt and the LED above the **ADD STEREO** button is off.

LED Indications

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

Using Samsung TV and Stereo Group mode

Connect two Sound Tower by wire and use them with Samsung TV to enjoy stereo sound.

Left Sound Tower (MAIN)   **Right Sound Tower (SUB)**
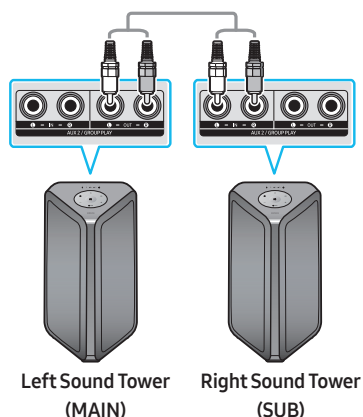
1. Connect two sound towers via stereo mode by press the ADD STEREO button on the two Sound Tower.
2. Connect the RCA cable to the **AUX2 OUT** on the MAIN and **AUX2 IN** on the SUB as shown by using the RCA cable (not supplied).
3. In "**BT**" mode, press the "**AUX**" button on the MAIN Sound Tower remote control for at least 5 seconds. The LED blinks on the ADD STEREO button.

4. When the connection is complete, the "ADD STEREO" LED turn on and then the current output. Tone prompt instead.

5. When the connection is complete, the SUB top panel "AUX2" LED 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 change the sound channel of the Sound Tower.

6. Connect a TV and MAIN Sound Tower via Bluetooth to play music. Sound is output from both Sound Tower.

NOTES
- To use Stereo Group mode, both Sound Tower must be the same model.
- A red light on the LED on the **ADD STEREO** button indicates an error in the Stereo Group connection. Try Step 1 to 5 again.
- In Stereo Group mode, the remote control, **BT PAIRING**, **GROUP PLAY**, and $\rightarrow$ **(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 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 TV. If there is a previous connection history between Samsung TV and Sound Tower, it will be connected to Samsung TV without pop-up. For a simple connection to Samsung TV, refer to page 16.
- The lighting colours may vary between the MAIN Sound Tower and the SUB Sound Tower.

Terminating the Stereo Group mode connection
Press the **ADD STEREO** button (MAIN or SUB) for at least 5 seconds after the Stereo Group is connected.
- "**OFF-STEREO MODE**" tone prompt 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 using an Analogue Audio (AUX) Cable
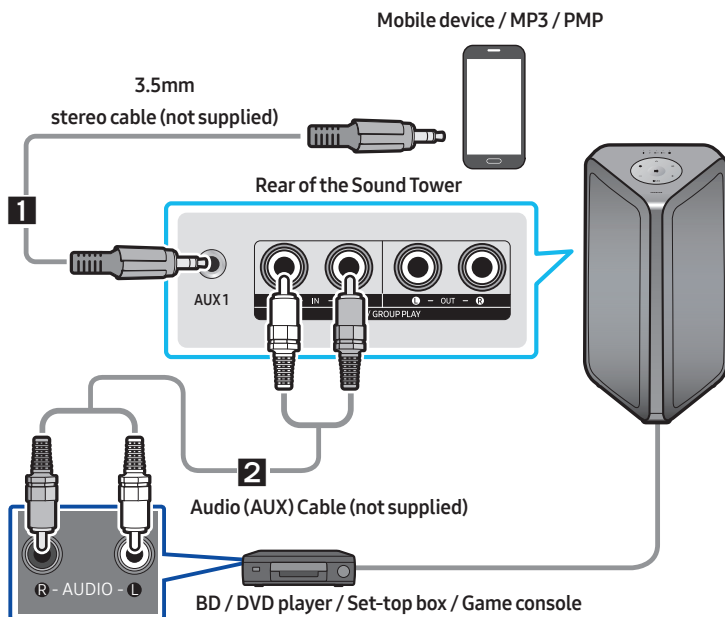

1 3.5mm stereo Cable (AUX1)
1. Connect **AUX1** jack on the main unit to the AUDIO OUT jack of the Source Device using an 3.5mm stereo cable.
2. Select "**AUX1**" mode by pressing the ⇥ **(Source)** button on the top panel or on the remote control.
   - You can also select a source using **AUX** button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

2 Audio Cable (AUX2)
1. Connect **AUX2 (IN)** terminals on the main unit to the AUDIO OUT terminals of the Source Device using an audio 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.

Connecting a mobile device via Bluetooth

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

Bluetooth device

OR
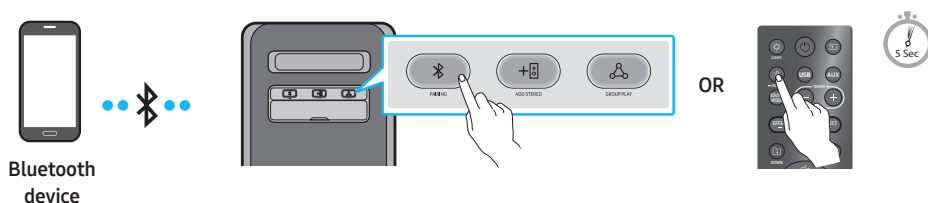
* In battery mode, when the Sound Tower is power off, Bluetooth connection and the party audio app are not available.

The initial connection

1. Press and hold the � **PAIRING** button on the remote control for more than 5 seconds to enter the "**BT PAIRING**" mode.

(OR) Press the ✱ **PAIRING** button on the rear panel.

2. On your device, select "**[AV] MX-ST5B Series**" from the list that appears.
   • After the device is connected. The third light on the top panel blinks three times cyan, and the bluetooth light on the rear panel is steady on.
3. Play music files from the device connected via Bluetooth through the Sound Tower.

If the device fails to connect
• Sound tower will play voice prompt via bluetooth disconnected.
• If a previously connected Sound Tower listing (e.g. "**[AV] MX-ST5B Series**") appears in the list, delete it.
• Then repeat steps 1 and 2.

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.)

Bluetooth Multi connection

Sound Tower supports up-to two simultaneous Bluetooth device connections. Sound Tower can play music through one of the connected Bluetooth devices without disconnecting the second device.

Bluetooth device 1   **Bluetooth device 2**
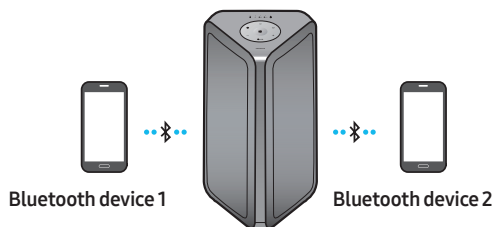
1. Connect Sound Tower to the first device and the second device respectively for the first time. (See page 13)
2. Music can be played on only one of the two connected devices, and when the music is played on the other device, the music on the playing device is paused.

NOTES

- If you want to connect Sound Tower to a third device, you can disconnect Sound Tower from one of the two currently connected devices and then connect Sound Tower to the third device. (Device include Samsung TV)
- With the Sound Tower and two devices currently connected, when pairing to a new Bluetooth device, the devices currently connected maybe disconnected.
- You can connect to two Bluetooth devices at the same time.
- Environmental conditions or other factors with connected devices may have effect on playback quality.
- The Sound Tower automatically turns off after 18 minutes with no command input 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.
- 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.

LED Indications

LED	STATE	Description
	Fast Blink	BT PAIRING mode
Blue	Blink	BT READY mode
	Solid	A Bluetooth device is connected.

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. Battery status cannot use Bluetooth power on.

1. Press and hold the **BASS** button on the remote control or on the top panel to set the Bluetooth Power On function on. Lighting bar will be 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. LED lighting bar will be blink white once and status switched:
  BLUETOOTH POWER-ON → BLUETOOTH POWER-OFF

Connecting the Samsung TV via Bluetooth

If Sound Tower connected with Samsung TV via Bluetooth, Sound Tower can be controlled by TV UI.
(Volume +/-, Mute On/Off and Power On/Off)

Top Panel of the Sound Tower

OR
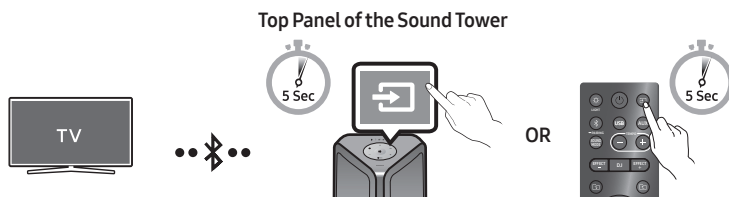
Easy connect with Samsung TV (SEARCHING TV mode)

Sound Tower has "**SEARCHING TV**" mode for easy connect with Samsung TV.

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

NOTES

- While in wireless Group Play mode, searching TV is not available.
- To stop searching 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 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. It is recommended to move the Sound Tower closer to your TV within 1 meter.

05   CONNECTING A USB STORAGE DEVICE

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

Rear of the Sound Tower

USB
(5V 2.1A)

**USB storage device
(not supplied)**

OR

ψ **white LED on**
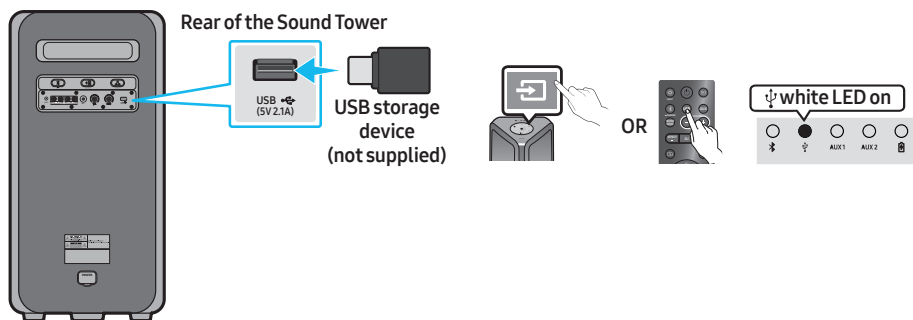
1. Connect a USB storage device to the USB jacks on your Sound Tower.
2. Press the ⇥ **(Source)** button on the top panel or on the remote control, and then select "**USB**".
   - You can also select a source using **USB** button on the remote control.
3. The second **USB** indicator on the top panel is steady on.
4. Play music files from the USB storage device through the Sound Tower.
   - 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.

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 per USB storage device.
- A maximum of 256 folders can be read per USB storage device.

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 **USB** 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/.
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.
If the upgrade takes more than 10 minutes, it means the upgrade process is stuck. Please press and hold the Power button on the top panel for 18 seconds and wait 1 minute. Sound Tower will automatically restart. Then, wait until the upgrade is complete. (Reset upgrade only supports FAT format)

Connecting an External Microphone

You can output your voice from the system by connecting a dynamic microphone with a normal plug (not supplied).
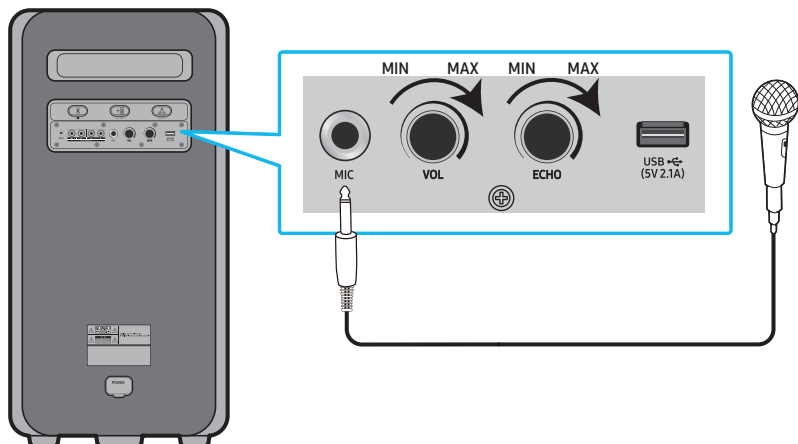
1. Turn the MIC LEVEL knob to MIN to reduce the microphone volume level.
2. Connect an optional microphone to the MIC jack on the unit.
3. Adjust the volume using the MIC "VOL" knob.
4. Adjust the Effect of the echo using the MIC "ECHO" knob.
5. Speak or sing into the connected microphone.

NOTES
- When using the wireless Group mode or stereo mode function, sound from the microphone is only output from the system to which the microphone is connected.
- When Sound Tower is in battery mode, the MIC sound level will be lower.
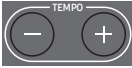
06   USING THE REMOTE CONTROL
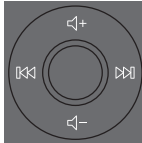
How to Use the Remote Control
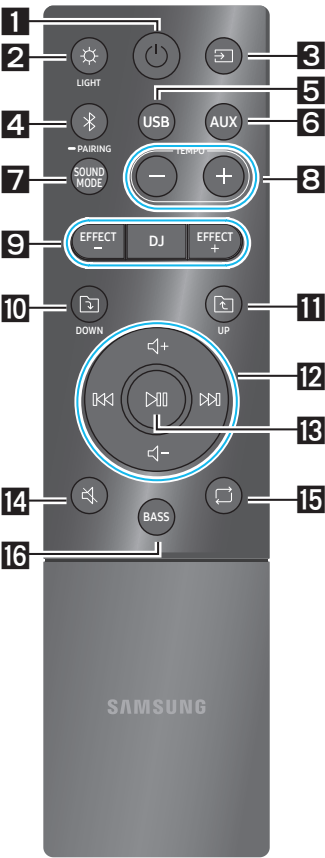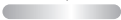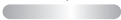
* To reduce battery drain, the product does not turn on when press the power button of remote control while the battery is in use.

1	**Power**	Turn the Sound Tower on and off.
2	**LIGHT** *Lighting LED white blink x1*	Press the ☼ **(LIGHT)** button to turn the Lighting Mode on. (Only during music playback is effective) Press the button repeatedly to cycle through the available light modes: **AMBIENT**, **PARTY**, **DANCE**, **THUNDERBOLT**, **STAR** or **OFF**.
3	**Source** *Lighting LED white blink x1*	Press to select a source connected to the Sound Tower. Press the button repeatedly to cycle through the available sources: **BT**, **USB**, **AUX1** or **AUX2** . **White LED moves to right on** ● ○ ○ ○ ○ LED indicator on the top of the product
4	**Bluetooth PAIRING** *Lighting LED Cyan flashes*	Press to select a source connected directly to "**BT**" mode. Press and hold the button for more than 5 seconds to enter the "**BT PAIRING**" 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. ✳ **white LED on** ● ○ ○ ○ ○ LED indicator on the top of the product
5	**USB** *Lighting LED white blink x1*	Press to select the **USB** source connected to the Sound Tower. ⇷ **white LED on** ○ ● ○ ○ ○ LED indicator on the top of the product

6	**AUX** Lighting LED white blink x1	Press to select the **AUX1** or **AUX2** sources connected to the Sound Tower. AUX1 white LED on — ○ ○ ● ○ ○ OR AUX2 white LED on — ○ ○ ○ ● ○ LED indicator on the top of the product
7	**SOUND MODE** Lighting LED white blink x1	Press the button repeatedly to cycle through the available sound effects: **PARTY**, **STANDARD**, **HIPHOP**, **EDM**, **ROCK**, **LATIN**, **HOUSE** or **REGGAE**. • **PARTY**: Term for more upbeat music effect ,like a party • **Standard**: Term for raw musical effects, like no EQ. • **HIPHOP**: term for Dynamic dance and music. • **EDM**: A more "generalized concept" genre than electronic music. • **ROCK**: Band music. • **LATIN**: Term for the music of many South American countries. • **HOUSE**: Fast beat dance music played on electronic instruments.
8	**TEMPO +, –** Lighting LED white blink x1	Press the **TEMPO +** or **TEMPO –** buttons to change the tempo of the music up or down. • This function only works in the **USB** mode.
9	**DJ** Lighting LED white blink x1	This function lets you turn on the DJ effect function. Press the button repeatedly to cycle through the available DJ sound effects: **NOISE**, **FILTER**, **CRUSH**, **CHORUS**, **WAHWAH** or **OFF**. • **NOISE**: Mixing white noise into the original sound. • **FILTER**: Filter out the sound of some frequencies. • **CRUSH**: Make the original sound sharp. • **CHORUS**: Separate the original sound into several track and delay them separately,then mix again. Create a chorus effect. • **WAHWAH**: WAHWAH effect created by enhancing some specific frequencies of original sound.
	EFFECT +, – Lighting LED white blink x1	Press the **EFFECT +** or **EFFECT –** buttons to change the level of the each DJ sound effect up or down. Effect value default is 5, can be changed to – 15 ~ 0 ~ +15.
10	**Folder DOWN** Lighting LED white blink x1	Press the ⤓ **(DOWN)** button to move to the next folder in the USB device.

11	 **Folder UP** Lighting LED white blink x1	Press the ⬆ **(UP)** button to move to the previous folder in the USB device.
12	 **Volume up, Volume down / Skip** Lighting LED White Flashes ◁+ **From down to up** ◁− **From top to bottom**	• **Volume up, Volume down** Press the ◁+ **(Volume up)** or ◁− **(Volume down)** to adjust the volume level up or down. • **Music Skip** Press the ▷▷ button to select the next music file. Press the ◁◁ button once to play the current music again. Pass the ◁◁ button twice to select the previous music file. Press and hold the ▷▷ button or the ◁◁ button for more than 3 seconds in USB play mode to search forward or search backward. Press and hold the ▷▷ button or the ◁◁ button for more than 3 seconds again to get back to normal play.
13	 **Play / Pause** Lighting LED white blink x1	Press the ▷❙❙ button to pause a music file temporarily. When you press the button again, the music file plays. • **Auto Power Down Function** To turn off Auto Power Down function while the unit is in **AUX1**, **AUX2** mode, press and hold the ▷❙❙ button for more than 5 seconds. Lighting bar will be blink white once.
14	 **Mute** Lighting LED white blink x1	Press the ◁ **(Mute)** button to mute the sound. Press it again to unmute the sound.
15	 **Repeat** Lighting LED white blink x1	Press the ⟳ **(Repeat)** button to use the Repeat function in "**USB**" mode. Press the button repeatedly to cycle through the available repeat functions: **ONE**, **FOLDER**, **ALL**, **RANDOM** or **OFF**.

16	BASS **BASS** **Lighting LED white blink x1**	Press the **BASS** button to use the powerful bass sound. Press it again to return to the normal sound. Press and hold the **BASS** button for more than 5 seconds to turn on or off the **BLUETOOTH POWER** function.
※	**Not available** **Lighting LED Pink Flashes** **From middle to end** ←——→	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 the 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 and 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.

NOTES
- The Samsung Sound Tower app is compatible with Android mobile phone devices running Android OS 8.0 or later.
- The Samsung Sound Tower app is compatible with Apple mobile devices running iOS 11.0 or later.

Market search : Samsung Sound Tower

Launching the Samsung Sound Tower App

To launch and use the Samsung Sound Tower app, touch the Samsung Sound Tower icon on your smart device, and then follow the directions on the screen.

Samsung Sound Tower
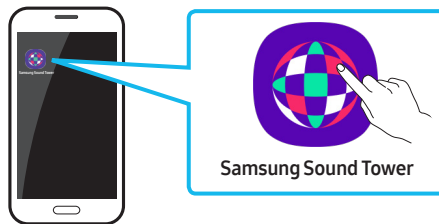
08 TROUBLESHOOTING

Before seeking assistance, check the following.

The unit will not turn on.

→ The battery may be fully discharged. Please connect the power plug and try to turn it on.

A function does not work when the button is pressed.

→ After removing the power plug, turn off the Sound Tower. And insert power plug again, turn on the Sound Tower.
→ Power cycle the external device and try again.
→ If there is no signal, the Sound Tower automatically turns off after a certain period of time. Turn on the power.

Sound dropouts occur in BT mode.

→ See the Bluetooth connection sections on page 13.

Sound is not produced.

Is the Mute function on?
→ Press the ◁ **(Mute)** button to cancel the mute function.
Is the volume set to minimum?
→ Adjust the Volume.

The remote control does not work.

Are the batteries drained?
→ Replace them with new batteries.
Is the distance between the remote control and Sound Tower main unit too far?
→ Move the remote control closer to the Sound Tower main unit.

Stereo Group connection is not working.

Is the system in wireless Group Play mode?
→ Disconnect the wireless Group Play mode and try Stereo Group connection again.

It cannot make a Bluetooth connection.

Is the system connected to another system in wireless Group Play mode or Stereo Group mode?
→ Try Bluetooth connection again after disconnecting the wireless Group Play or Stereo Group connection.
Are the two Bluetooth devices already connected?
→ Try Bluetooth connection again after disconnecting other Bluetooth connections.

The ⁑ PAIRING button is not working.

Is the system in wireless Group Play mode or Stereo Group mode?
→ Try again after disconnecting the wireless Group Play or Stereo Group connection.

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

→ Disconnect Group Play mode, press the Speaker which you want make to HOST first, and after it use Group LED to judge instead connect the others one by one.
→ With Stereo Group mode, MAIN is fixed. You can not change others as MAIN.

I want to play AUX1 or AUX2 more than 8 hours without control input.

→ Press and hold the remote control ▷❙❙ button for more than 5 seconds in **AUX1** or **AUX2** mode to disable Auto Power Down Function. Change from **ON-AUTO POWER DOWN** to **OFF-AUTO POWER DOWN**.

It cannot make a "Wireless/Wired Group/Add Stereo/Bluetooth" connection.

Is the distance between systems too far?

→ It is recommended to make a "Wireless/Wired Group/Add Stereo/Bluetooth" pairing within 1 meter from the system.

→ The recommended operating distance between Sound Tower systems is closer than 10 meters.

09 LICENCE

Bluetooth®

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 licence. Other trademarks and trade names are those of their respective owners.

Qualcomm® aptX™

Qualcomm aptX is a product of Qualcomm Technologies, Inc. and/or its subsidiaries. Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries. aptX is a trademark of Qualcomm Technologies International, Ltd., registered in the United States and other countries.

ENERGY STAR

[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 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.

10 OPEN SOURCE LICENCE NOTICE

To send inquiries and requests for questions regarding open sources, contact Samsung Open Source (http://opensource.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 dministration fee amount before a technician visits.

12 SPECIFICATIONS AND GUIDE

Specifications

Model Name	MX-ST50B
USB	5V/2.1A
Weight	11.94kg
Dimensions (W x H x D)	329×665×301mm
Operating Temperature Range	+5°C to +35°C
Operating Humidity Range	10 % ~ 75 %
AMPLIFIER Rated Output power	Power cord plug-in 240W
	Battery 90W
Overall Power Consumption	65W
Battery Type	Lithium-ion 72Wh
Battery play time	up to 18hrs
Battery charge time	<3.5hrs
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 **BASS** 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.
- Battery Play time and Battery charge time vary with use conditions.
- In an extremely cold or hot environment, charging stops for safety. To resolve these issues, disconnect the AC power cord and connect it again in an operating temperature between 5°C and 35°C.

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/

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

EIRE
Tel : 0818 717100
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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