SAMSUNG

FULL MANUAL

HW-T420

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 has included important literature concerning operation and maintenance.	
▣	Class II product : This symbol indicates that it does not require a safety connection to electrical earth (ground). 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.	
⚠ℹ	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.

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.

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.

PRECAUTIONS

1. Ensure that the AC power supply in your house complies with the power requirements listed on the identification sticker located on the bottom 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. Danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type.

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. (http://www.samsung.com/support)

Design and specifications are subject to change without prior notice.

CONTENTS

01 CHECKING THE COMPONENTS

Soundbar Main Unit	Subwoofer	Remote Control / Batteries
Power Cord	Wall Mount Guide	
Holder-Screw x 2	Screw x 2	Bracket-Wall Mount x 2

- For more information about the power supply and power consumption, refer to the label attached to the product. (Label: Bottom of the Soundbar Main Unit)
- To purchase additional components or optional cables, contact a Samsung Service Centre or Samsung Customer Care.
- The appearance of the accessories may differ slightly from the illustrations above.

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

Slide the back cover in the direction of the arrow until it is completely removed. Insert 2 AA batteries (1.5V) oriented so that their polarity is correct. Slide the back cover back into position.
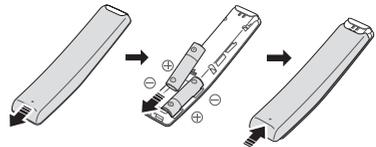
02 PRODUCT OVERVIEW

Front Panel / Top Panel of the Soundbar

Position the product so that the SAMSUNG logo is located on the top.

Top Panel
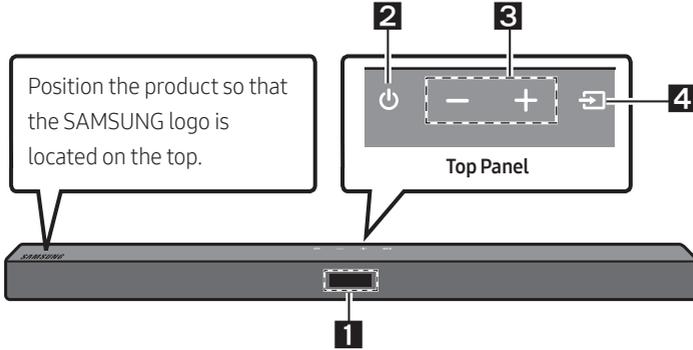
1	**Display** Displays the product's status and current mode.

2	**(Power) Button**
	Turns the power on and off.
	• **Auto Power Down Function**
	  The unit turns off automatically in the following situations:
	  – In **D.IN** / **BT** / **USB** Mode : If there is no audio signal for 18 minutes.

3	**-/+ (Volume) Button** Adjusts the volume. • When adjusted, the volume level appears on the Soundbar's front display.
4	**(Source) Button** Selects the source input mode.

Input mode	Display
Optical Digital input	D.IN
BLUETOOTH mode	BT
USB mode	USB

• To turn on "**BT PAIRING**" mode, change the source to "**BT**" mode, and then press and hold the (Source) button for more than 5 seconds.

• When you plug in the AC cord, the power button will begin working in 4 to 6 seconds.
• When you turn on this unit, there will be a 4 to 5 second delay before it produces sound.
• If you want to enjoy sound only from the Soundbar, you must turn off the TV's speakers in the Audio Setup menu of your TV. Refer to the owner's manual supplied with your TV.

Bottom Panel of the Soundbar
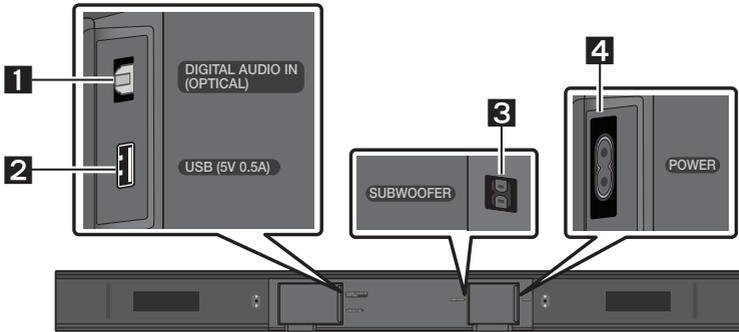
1	**DIGITAL AUDIO IN (OPTICAL)** Connect to the digital (optical) output of an external device.
2	**USB (5V 0.5A)** Connect a USB device here to play music files stored on the USB device through the Soundbar.
3	**SUBWOOFER** Connect the speaker cable on the subwoofer.
4	**POWER** Connect the Soundbar's AC power cable.

- When disconnecting the power cord from a wall outlet, pull the plug. Do not pull the cable.
- Do not connect this unit or other components to an AC outlet until all connections between components are complete.

03 CONNECTING THE SOUNDBAR

Connecting Electrical Power

For more information about the required electrical power and power consumption, refer to the label attached to the product. (Label: Bottom of the Soundbar Main Unit)

Power Cord

Connecting Electrical Power

POWER

Bottom of the Soundbar Main Unit
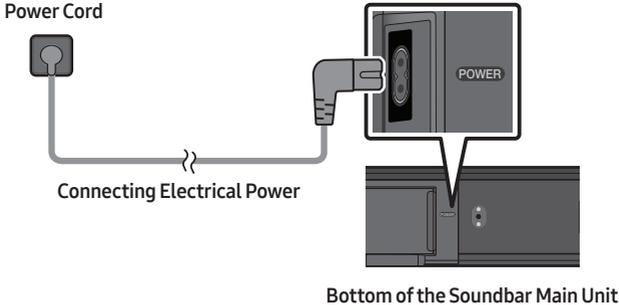
Connecting the Subwoofer to the Soundbar

When the subwoofer is connected, you can enjoy rich bass sound.

Rear of Subwoofer

Bottom of the Soundbar Main Unit

Connect the Subwoofer to the SUBWOOFER jack of the Soundbar.

SUBWOOFER
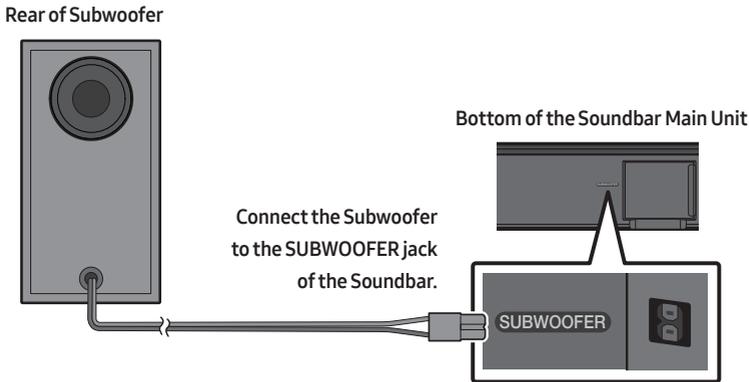
04   CONNECTING TO YOUR TV

Hear TV sound from your Soundbar through wired or wireless connections.

- When the Soundbar is connected to selected Samsung TVs, the Soundbar can be controlled using the TV's remote control.
  - This feature is supported by 2017 and later Samsung Smart TVs that support Bluetooth when you connect the Soundbar to the TV using an optical cable.
  - This function also allows you to use the TV menu to adjust the sound field and various settings as well as the volume and mute.

Method 1. Connecting with a Cable

When the audio in a broadcast is encoded in Dolby Digital and the "Digital Output Audio Format" on your TV is set to PCM, we recommend that you change the setting to Dolby Digital. When the setting on the TV is changed, you will experience better sound quality. (The TV menu may use different words for Dolby Digital and PCM depending on the TV manufacturer.)

Connecting using an Optical Cable

Bottom of the Soundbar

TV

OPTICAL OUT

1

Optical Cable
(not supplied)

DIGITAL AUDIO IN
(OPTICAL)

USB (5V 0.5A)

Top of the Soundbar

2   ⏻ − + ⊕

D.IN
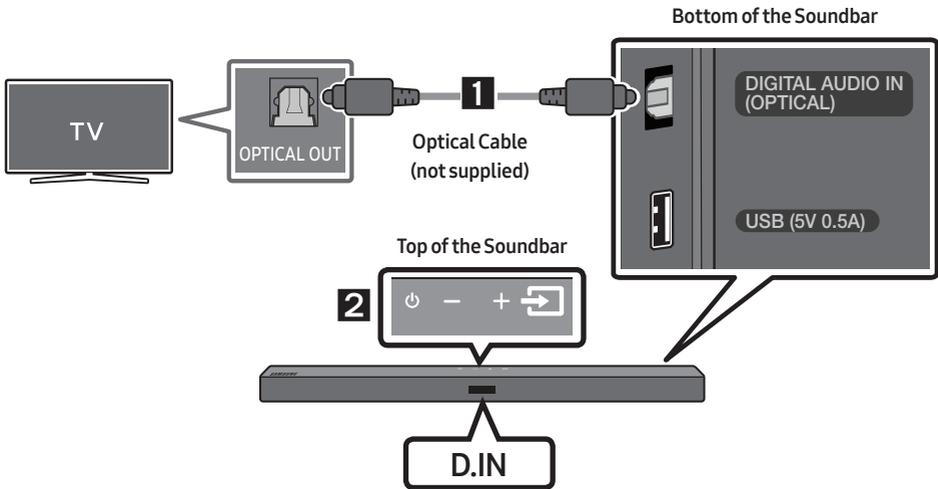
1. Connect the **DIGITAL AUDIO IN (OPTICAL)** jack on the Soundbar to the OPTICAL OUT jack of the TV with a digital optical cable (not supplied).
2. Press the ⊕ **(Source)** button on the top panel or remote control, and then select the "**D.IN**" mode.

Method 2. Connecting Wirelessly

Connecting a TV via Bluetooth

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

- Only one TV can be connected at a time.
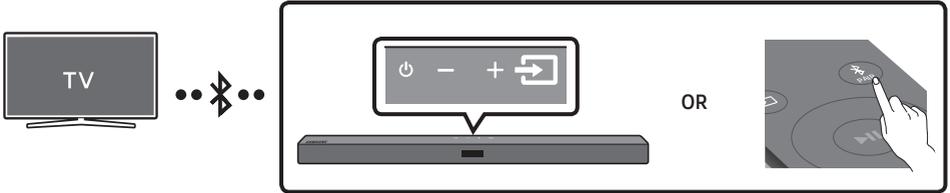
The initial connection

1. Press the ⚹ **PAIR** button on the remote control to enter the "**BT PAIRING**" mode.

(OR)   a. Press the ⬚ **(Source)** button on the top panel and then select "**BT**".
   "**BT**" changes to "**BT PAIRING**" in a few seconds automatically or changes to "**BT READY**" if there is a connect record.

   b. When "**BT READY**" appears, press and hold the ⬚ **(Source)** button on the top panel of the Soundbar for more than 5 seconds to display "**BT PAIRING**".

2. Select Bluetooth mode on the TV. (For more information, see the TV's manual.)
3. Select "**[AV] Samsung Soundbar T4-Series**" from the list on TV's screen.
   An available Soundbar is indicated with "**Need Pairing**" or "**Paired**" on the TV's Bluetooth device list. To connect the TV to the Soundbar, select the message, and then establish a connection.
   - When the TV is connected, [**TV Name**] → "**BT**" appears on the Soundbar's front display.
4. You can now hear TV sound from the Soundbar.

If the device fails to connect

- If a previously connected Soundbar listing (e.g. "**[AV] Samsung Soundbar T4-Series**") appears in the list, delete it.
- Then repeat steps 1 through 3.

NOTE

- After you have connected the Soundbar to your TV the first time, use the "**BT READY**" mode to reconnect.

Disconnecting the Soundbar from the TV

Press the � **(Source)** button on the top panel or on the remote control and switch to any mode but "**BT**".

- Disconnecting takes time because the TV must receive a response from the Soundbar. (The time required may differ, depending on the TV model.)
- To cancel the automatic Bluetooth connection between the Soundbar and TV, press the **Left** button on the remote control for 5 seconds with the Soundbar in "**BT READY**" status. (Toggle On → Off)

What is the difference between BT READY and BT PAIRING?

- **BT READY** : In this mode, you can search for previously connected TVs or connect a previously connected mobile device to the Soundbar.
- **BT PAIRING** : In this mode, you can connect a new device to the Soundbar. (Press the ❋ **PAIR** button on the remote control or press and hold the ⏠ **(Source)** button on the top of the Soundbar for more than 5 seconds while the Soundbar is in "**BT**" mode.)

NOTES

- If asked for a PIN code when connecting a Bluetooth device, enter <0000>.
- In Bluetooth connection mode, the Bluetooth connection will be lost if the distance between the Soundbar and the Bluetooth device exceeds 10 m.
- The Soundbar automatically turns off after 18 minutes in the Ready state.
- The Soundbar may not perform Bluetooth search or connection correctly under the following circumstances:
  - If there is a strong electrical field around the Soundbar.
  - If several Bluetooth devices are simultaneously paired with the Soundbar.
  - 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 Soundbar main unit - e.g., microwaves, wireless LAN devices, etc.

05 CONNECTING AN EXTERNAL DEVICE

Connect to an external device via a wired connection or Bluetooth connection to play the external device's sound through the Soundbar.

Connecting using an Optical Cable

Bottom of the Soundbar

BD / DVD player /
Set-top box /
Game console

OPTICAL OUT

Optical Cable
(not supplied)

DIGITAL AUDIO IN
(OPTICAL)

USB (5V 0.5A)

Top of the Soundbar

D.IN
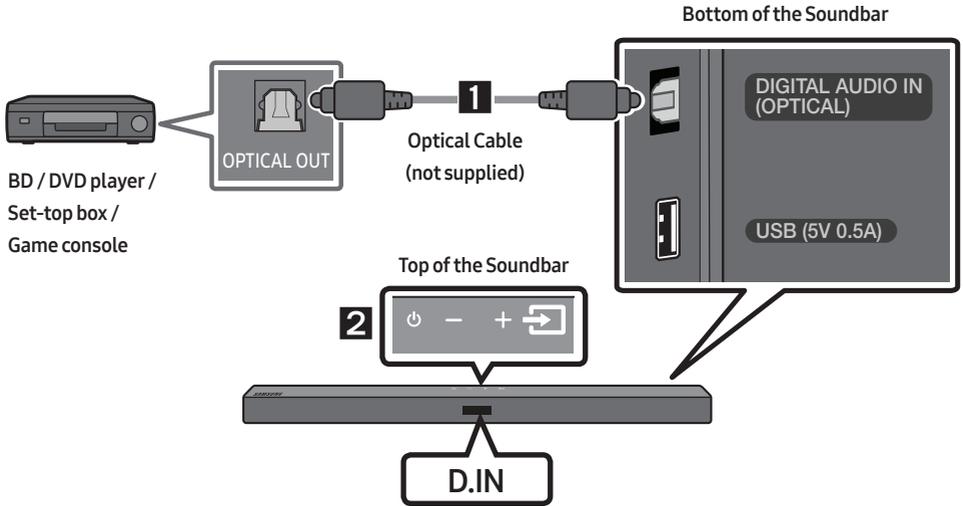
1. Connect **DIGITAL AUDIO IN (OPTICAL)** on the main unit to the OPTICAL OUT jack of the Source Device using a digital optical cable (not supplied).
2. Select "**D.IN**" mode by pressing the ⬚ **(Source)** button on the top panel or on the remote control.

06   CONNECTING A USB STORAGE DEVICE

You can play music files located on USB storage devices through the Soundbar.
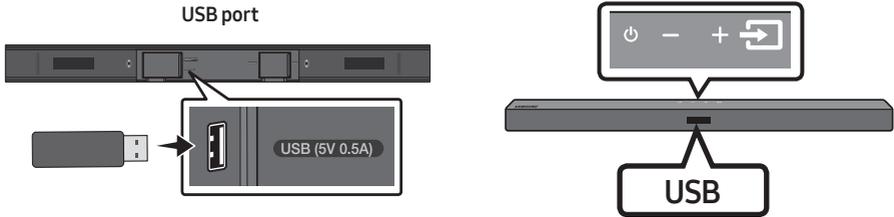
USB port

1. Connect the USB device to the USB port on the bottom of the product.
2. Press the ⊟ **(Source)** button on the top panel or on the remote control, and then select "**USB**".
3. "**USB**" appears in the display screen.
4. Play music files from the USB storage device through the Soundbar.
   - The Soundbar automatically turns off (Auto Power Down) if no USB device has been connected for more than 18 minutes.

File Format Type Compatibility list

| Extension	Codec	Sampling Rate	Bit Rate
*.mp3	MPEG 1 Layer2	32kHz ~ 48kHz	32kbps~320kbps
	MPEG 1 Layer3	32kHz ~ 48kHz	32kbps~320kbps
	MPEG 2 Layer3	16kHz ~ 24kHz	8kbps~160kbps
	MPEG 2.5 Layer3	8kHz ~ 12kHz	8kbps~160kbps
*.wma	WMA7/8/9/STD	8kHz ~ 48kHz	32kbps~320kbps
*.aac	AAC	8kHz ~ 96kHz	< 1728kbps
	AAC-LC		
	HE-AAC		
*.ogg	Vorbis codec	(8, 16, 22.05, 32, 44.1, 48)kHz	unsupport ogg: 1. block size 0 < 256, block size 0 > 1024 2. block size 1 < 512, block size 1 > 4096 3. codebook counter > 64 4. codebook entry > 640 5. floor counter > 2 6. floor type 0 7. residua counter > 2 8. dimension != 2 9. mapping counter > 2 10. mode couter > 2 11. residue type != channel number
*.flac	-	8kHz ~ 192kHz	< 5Mbps
*.wav	PCM/LPCM/IMA_ADPCM/MPEG/MULAW	8kHz ~ 192kHz	< 5Mbps
*.AIFF	Compression type: alwa, ulaw, sowt	(8, 16, 22.05, 32, 44.1, 48, 96, 192)kHz ≦ 2 channels	< 5Mbps

- If there are too many folders and files stored on the USB device, it may take the Soundbar some time to access and play files.

07 CONNECTING A MOBILE DEVICE

Connecting via Bluetooth

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

- You cannot connect more than one Bluetooth device at a time.
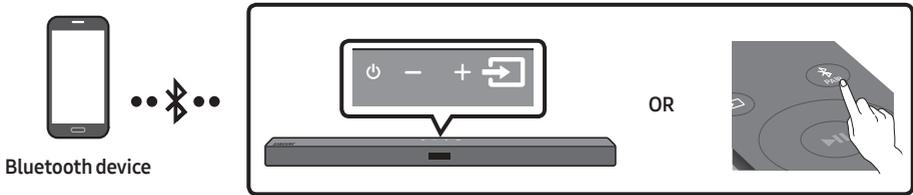
Bluetooth device

OR

The initial connection

1. Press the ✳ **PAIR** button on the remote control to enter the "**BT PAIRING**" mode.

(OR)   a. Press the ⬚ **(Source)** button on the top panel and then select "**BT**".
"**BT**" changes to "**BT PAIRING**" in a few seconds automatically or changes to "**BT READY**" if there is a connect record.

   b. When "**BT READY**" appears, press and hold the ⬚ **(Source)** button on the top panel of the Soundbar for more than 5 seconds to display "**BT PAIRING**".

2. On your device, select "**[AV] Samsung Soundbar T4-Series**" from the list that appears.
   - When the Soundbar is connected to the Bluetooth device, [**Bluetooth Device Name**] → "**BT**" appears in the front display.

3. Play music files from the device connected via Bluetooth through the Soundbar.

If the device fails to connect

- If a previously connected Soundbar listing (e.g. "**[AV] Samsung Soundbar T4-Series**") appears in the list, delete it.
- Then repeat steps 1 and 2.

NOTE

- After you have connected the Soundbar to your mobile device the first time, use the "**BT READY**" mode to reconnect.

What is the difference between BT READY and BT PAIRING?

- **BT READY** : In this mode, you can search for previously connected TVs or connect a previously connected mobile device to the Soundbar.
- **BT PAIRING** : In this mode, you can connect a new device to the Soundbar. (Press the ✳ **PAIR** button on the remote control or press and hold the ⬛ **(Source)** button on the top of the Soundbar for more than 5 seconds while the Soundbar is in "**BT**" mode.)

NOTES

- If asked for a PIN code when connecting a Bluetooth device, enter <0000>.
- In Bluetooth connection mode, the Bluetooth connection will be lost if the distance between the Soundbar and the Bluetooth device exceeds 10 meters.
- The Soundbar automatically turns off after 18 minutes in the Ready state.
- The Soundbar may not perform Bluetooth search or connection correctly under the following circumstances:
  - If there is a strong electrical field around the Soundbar.
  - If several Bluetooth devices are simultaneously paired with the Soundbar.
  - 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 Soundbar main unit - e.g., microwaves, wireless LAN devices, etc.
- The Soundbar supports SBC data (44.1kHz, 48kHz).
- Connect only to a Bluetooth device that supports the A2DP (AV) function.
- You cannot connect the Soundbar to a Bluetooth device that supports only the HF (Hands Free) function.
- Once you have paired the Soundbar to a Bluetooth device, selecting "**[AV] Samsung Soundbar T4-Series**" from the device's scanned devices list will automatically change the Soundbar to "**BT**" mode.
  - Available only if the Soundbar is listed among the Bluetooth device's paired devices. (The Bluetooth device and the Soundbar must have been previously paired at least once.)
- The Soundbar will appear in the Bluetooth device's searched devices list only when the Soundbar is displaying "**BT READY**".
- The Soundbar cannot be paired to another Bluetooth device if already in Bluetooth mode and paired to a Bluetooth device.

Bluetooth Power On (SOUND MODE)

If a previously paired Bluetooth device tries to pair with the Soundbar when the Bluetooth Power On function is on and the Soundbar is turned off, the Soundbar turns on automatically.

1. Press and hold the **SOUND MODE** button for more than 5 seconds on the remote while the Soundbar is turned on.
2. "**ON-BLUETOOTH POWER**" appears on the Soundbar's display.

Disconnecting the Bluetooth device from a Soundbar

You can disconnect a Bluetooth device from the Soundbar. For instructions, see the Bluetooth device's user manual.

- The Soundbar will be disconnected.
- When the Soundbar is disconnected from the Bluetooth device, the Soundbar will display "**BT DISCONNECTED**" on the front display.

Disconnecting the Soundbar 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 Soundbar. (Disconnection time may differ, depending on the Bluetooth device)
- When the Soundbar is disconnected from the Bluetooth device, the Soundbar will display "**BT DISCONNECTED**" on the front display.

NOTES

- In Bluetooth connection mode, the Bluetooth connection will be lost if the distance between the Soundbar and the Bluetooth device exceeds 10 meters.
- The Soundbar automatically turns off after 18 minutes in the Ready state.

More About Bluetooth

Bluetooth is a technology that enables Bluetooth-compliant devices to interconnect easily with each other using a short wireless connection.

- A Bluetooth device may cause noise or malfunction, depending on usage, if:
  - A part of your body is in contact with the receiving/transmitting system of the Bluetooth device or the Soundbar.
  - It is subject to electrical variation from obstructions caused by a wall, corner, or office partition.
  - It is exposed to electrical interference from same frequency-band devices including medical equipment, microwave ovens, and wireless LANs.
- Pair the Soundbar with the Bluetooth device while they are close together.
- The further the distance between the Soundbar and Bluetooth device, the worse the quality is. If the distance exceeds the Bluetooth operational range, the connection is lost.
- In poor reception areas, the Bluetooth connection may not work properly.
- The Bluetooth connection only works when it is close to the unit. The connection will be automatically cut off if the Bluetooth device is out of range. Even within range, the sound quality may be degraded by obstacles such as walls or doors.
- This wireless device may cause electric interference during its operation.

08   USING THE REMOTE CONTROL

How to Use the Remote Control

1	**Power**	Turns the Soundbar on and off.
2	**Source**	Press to select a source connected to the Soundbar.
3	**Mute**	Press the ◁ **(Mute)** button to mute the sound. Press it again to unmute the sound.

4	**SOUND MODE**	You can select the desired sound effect by choosing **STANDARD**, **SURROUND SOUND**, **GAME**, or **SMART**.
		– **STANDARD**
		  Outputs the original sound.
		– **SURROUND SOUND**
		  Provides a wider sound field than standard.
		– **GAME**
		  Provides stereoscopic sound to immerse you in the action while gaming.
		– **SMART**
		  Analyzes the content in real time and automatically provides the optimal sound field based on the characteristics of the content.
		• **DRC (Dynamic Range Control)**
		  Lets you apply dynamic range control to Dolby Digital tracks. Press and hold the **SOUND MODE** button while the Soundbar is powered off to turn DRC (Dynamic Range Control) on or off. With the DRC turned on, loud sound is reduced. (The sound may be distorted.)

|		• **Bluetooth Power**
		This feature automatically turns the Soundbar on when it receives a connection request from a previously connected TV or Bluetooth device. The setting is On by default.
		– Press and hold the **SOUND MODE** button for more than 5 seconds to turn off the Bluetooth Power function.
5	✳ PAIR **Bluetooth PAIR**	Press the ✳ **PAIR** button. "**BT PAIRING**" appears in the Soundbar's display. You can connect the Soundbar to a new Bluetooth device in this mode by selecting the Soundbar from the Bluetooth device's search list.
6	▶❚❚ **Play / Pause**	Press the ▶❚❚ button to pause a music file temporarily. When you press the button again, the music file plays.
7	○ **Up/Down/ Left/Right**	▶❚❚ **Press the indicated areas to select Up/Down/Left/Right.** Press Up/Down/Left/Right on the button to select or set functions. • **Repeat** To use the Repeat function in "**USB**" mode, press the **Up** button. • **Music Skip** Press the **Right** button to select the next music file. Press the **Left** button to select the previous music file. • **Volume Restriction function** To protect your hearing, the Volume Restriction function restricts the volume to 20 if you turn on the Soundbar when the volume is set higher than 20. – The default value for the Volume Restriction function is Off. You must turn it on to activate it. – When turned on, the Volume Restriction function stays on even when the power is turned off. – To turn Volume Restriction on or off, press and hold the **Down** button on the remote control for 5 seconds in standby mode. With Volume Restriction off, "**V FREE**" appears on the front display. With the function on, "**V LOCK**" appears.

8	**Sound Control**	You can select **TREBLE**, **BASS**, or **AUDIO SYNC**. • To control the volume of the treble or bass sound, press the **Sound Control** button to select **TREBLE** or **BASS** and then adjust the volume between -6~+6 by using the **Up/Down** buttons. • Press and hold the ⚙ **(Sound Control)** button for about 5 seconds to adjust the sound for each frequency band. 150Hz, 300Hz, 600Hz, 1.2kHz, 2.5kHz, 5kHz, and 10kHz are selectable using the **Left/Right** buttons and each can be adjusted to a setting between -6 to +6 using the **Up/Down** buttons. • If the video on the TV and audio from the Soundbar are not synchronised, press the **Sound Control** button to select **AUDIO SYNC** and then set the audio delay between 0~300 milliseconds by using the **Up/Down** buttons. (Not available in "**USB**" mode.) • **AUDIO SYNC** is only supported for some functions.
9	**WOOFER**	 Rock the **WOOFER** button forward or backward to adjust the volume of the subwoofer to -12 or between -6 to +6. To set the subwoofer volume level to 0, press the button in.
10	**VOL**	 Rock the **VOL** button forward or backward to adjust the volume. • **Mute** Press the **VOL** button in to mute the sound. Press it in again to unmute the sound.
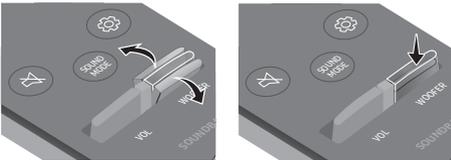
# Adjusting the Soundbar volume with a TV remote control

If you have a Samsung TV, you can adjust the Soundbar's volume using the IR remote control that came with your Samsung TV.
First use the TV menu to set the TV audio on your Samsung TV to external speakers, then use your Samsung remote to control the Soundbar's volume. For more information, see the TV's user manual. The default mode for this function is control by a Samsung TV remote. If your TV is not a Samsung TV, follow the directions below to change the settings of this function.

1. Turn Off the Soundbar.

OFF
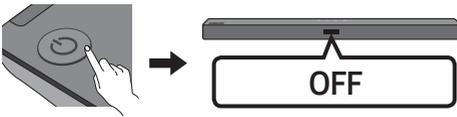
2. If you do not want to use this function, push up and hold the **WOOFER** button for 5 seconds repeatedly until "**OFF-TV REMOTE**" appears in the display.
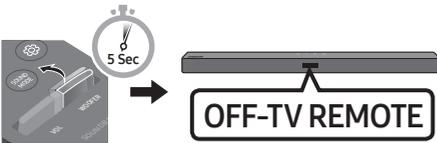
5 Sec

OFF-TV REMOTE

3. If you want to control the Soundbar with your TV's remote, push up and hold the **WOOFER** button for 5 seconds repeatedly until "**ALL-TV REMOTE**" appears in the display. Then, use your TV's menu to select external speakers.
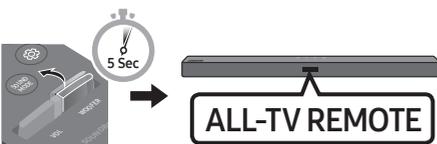
5 Sec

ALL-TV REMOTE

4. If you want to return the Soundbar to the default mode (control by a Samsung TV remote), push up and hold the **WOOFER** button for 5 seconds repeatedly until "**SAMSUNG-TV REMOTE**" appears in the display.

5 Sec

SAMSUNG-TV REMOTE
(Default mode)
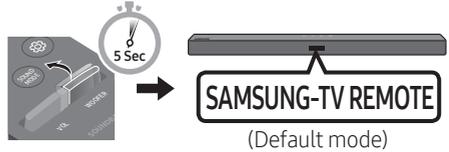
– Each time you push the **WOOFER** button up and hold it for 5 seconds, the mode switches in the following order: "**SAMSUNG-TV REMOTE**" (Default mode) → "**OFF-TV REMOTE**" → "**ALL-TV REMOTE**".
– This function may not be available, depending on the remote control.
– Manufacturers supporting this function: VIZIO, LG, Sony, Sharp, PHILIPS, PANASONIC, TOSHIBA, Hisense, RCA

Using the Hidden Buttons (Buttons with more than one function)

Hidden Button		Reference page
Remote Control Button	**Function**	
WOOFER (Up)	TV remote control On/Off (Standby)	page 18
▶❚❚ (Play / Pause)	Initialise (Standby)	page 23
Left	TV Auto connect On/Off (BT Ready)	page 8
Down	Volume Restriction On/Off (Standby)	page 16
⚙ (Sound Control)	7 Band EQ	page 17
SOUND MODE	DRC ON/OFF (Standby)	page 15
	Bluetooth Power	page 16

Output specifications for the different sound effect modes

| Effect		Input	Output	
			Without Wireless Rear Speaker Kit	**With Wireless Rear Speaker Kit**
SOUND MODE	STANDARD	2.0 ch	2.1 ch	4.1 ch
		5.1 ch	2.1 ch	4.1 ch
	SURROUND SOUND	2.0 ch	2.1 ch	4.1 ch
		5.1 ch	2.1 ch	4.1 ch
	GAME	2.0 ch	2.1 ch	4.1 ch
		5.1 ch	2.1 ch	4.1 ch
	SMART	2.0 ch	2.1 ch	4.1 ch
		5.1 ch	2.1 ch	4.1 ch

- The Samsung Wireless Rear Speaker Kit can be purchased separately. To purchase a Kit, contact the vendor you purchased the Soundbar from.

09 INSTALLING THE WALL MOUNT

Installation Precautions

- Install on a vertical wall only.
- Do not install in a place with high temperature or humidity.
- Verify whether the wall is strong enough to support the product's weight. If not, reinforce the wall or choose another installation point.
- Purchase and use the fixing screws or anchors appropriate for the kind of wall you have (plaster board, iron board, wood, etc.). If possible, fix the support screws into wall studs.
- Purchase wall mounting screws according to the type and thickness of the wall you want to mount the Soundbar on.
  – Diameter: M5
  – Length: 35 mm or longer recommended.
- Connect cables from the unit to external devices before you install the Soundbar on the wall.
- Make sure the unit is turned off and unplugged before you install it. Otherwise, it may cause an electric shock.

Wallmount Components

Wall Mount Guide

 x 2

Holder-Screw

 x 2

Screw

 x 2
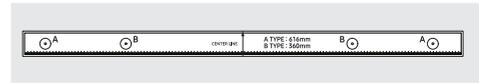
Bracket-Wall Mount

1. Place the **Wall Mount Guide** against the wall surface.
   - The **Wall Mount Guide** must be level.
   - If your TV is mounted on the wall, install the Soundbar at least 5 cm below the TV.

TV

5 cm or more
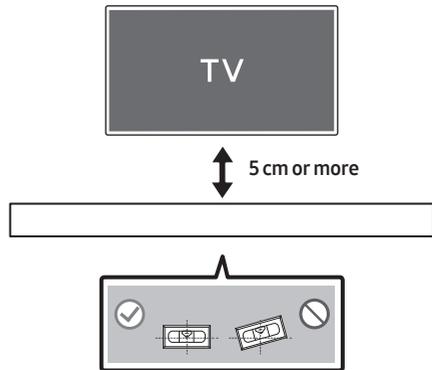
2. Align the **Wall Mount Guide's Centre Line** with the centre of your TV (if you are mounting the Soundbar below your TV), and then fix the **Wall Mount Guide** to the wall using tape.

- If you are not mounting below a TV, place the **Centre Line** in the centre of the installation area.

Centre Line
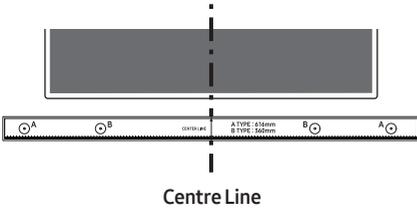
3. Push a pen tip or sharpened pencil tip through the centre of the **B-TYPE** images on each end of the Guide to mark the holes for the supporting screws, and then remove the **Wall Mount Guide**.
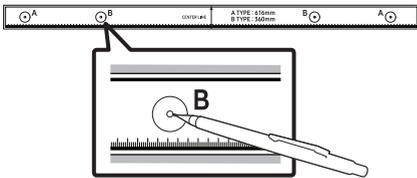

4. Using an appropriately sized drill bit, drill a hole in the wall at each marking.

- If the markings do not correspond to the positions of studs, make sure you insert appropriate anchors or mollies into the holes before you insert the support screws. If you use anchors or mollies, make sure the holes you drill are large enough for the anchors or mollies you use.

5. Push a screw (not supplied) through each **Holder-Screw**, and then screw each screw firmly into a support screw hole.
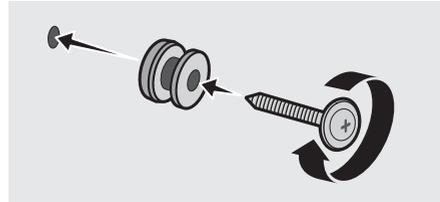
**6.** Install the 2 **Bracket-Wall Mounts** in the correct orientation on the bottom of the Soundbar using 2 **Screws**.
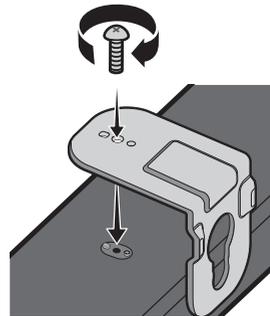
- When assembling, make sure the hanger part of the **Bracket-Wall Mounts** are located behind the rear of the Soundbar.

Rear of Soundbar

Right end of Soundbar
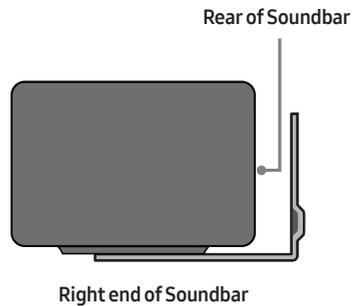
7. Install the Soundbar with the attached **Bracket-Wall Mounts** by hanging the **Bracket-Wall Mounts** on the **Holder-Screws** on the wall.
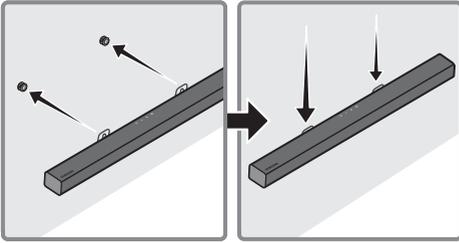
8. Slide the Soundbar down as shown below so that the **Bracket-Wall Mounts** rest securely on the **Holder-Screws**.

• Insert the **Holder-Screws** into the wide (bottom) part of the **Bracket-Wall Mounts**, and then slide the **Bracket-Wall Mounts** down so that the **Bracket-Wall Mounts** rest securely on the **Holder-Screws**.
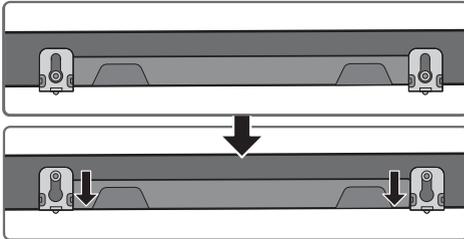
10   SOFTWARE UPDATE

Samsung may offer updates for the Soundbar's system firmware in the future.

USB port

USB (5V 0.5A)
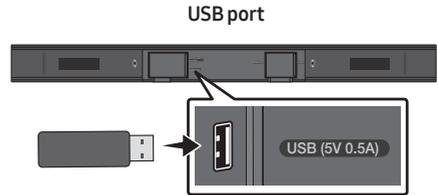
If an update is offered, you can update the firmware by connecting a USB device with the firmware update stored on it to the USB port on your Soundbar. For more information about how to download update files, go to the Samsung Electronics website at www.samsung.com→Support.
Then, select the product type or enter the model number of your Soundbar, select the Software & Apps option, and then Downloads. Note that the option names can vary.

Update Procedure

Important: The updating function erases all user settings. We recommend you write down your settings so that you can easily reset them after the update. Note that updating the firmware resets the subwoofer connection too.

1. Connect a USB thumb drive to the USB port on your computer.
   Important: Make sure there are no music files on the USB thumb drive. This may cause the firmware update to fail.
2. Go to the Samsung website (samsung.com) → select Enter Model Number and enter the model of your Soundbar. Select manuals and downloads and download the latest software file.
3. Save the downloaded software to a USB stick and select "Extract Here" to unzip the folder.
4. Turn off the Soundbar and connect the USB stick containing the software update to the USB port.
5. Turn on the Soundbar and source change to "**USB**" mode. Within 3 minutes, "**UPDATE**" is displayed and updating begins.
6. When the update finishes, the Soundbar turns off (or turns off by press the ⏻ **(Power)** button). Press the ▶❚❚ button on the remote control for 5 seconds. "**INIT**" appears on the display and then the Soundbar turns off. The update is complete.
   - This product has a DUAL BOOT function. If the firmware fails to update, you can update the firmware again.
7. Restore your settings on the Soundbar.

If UPDATE is not displayed

1. Turn off the Soundbar, disconnect and then reconnect the USB storage device that contains the update files to the Soundbar's USB port.
2. Disconnect the Soundbar's power cord, reconnect it, and then turn on the Soundbar.

NOTES

- The firmware update may not work properly if audio files supported by the Soundbar are stored in the USB storage device.
- Do not disconnect the power or remove the USB device while updates are being applied.
- After the update is completed, the user setup in the Soundbar is initialised so you can reset your settings. We recommend you write down your settings so that you can easily reset them after the update.
  If the software update fails, check if the USB stick is defective.
- Mac OS users should use MS-DOS (FAT) as the USB format.
- Updating via USB may not be available, depending on the USB storage device manufacturer.

11   TROUBLESHOOTING

Before seeking assistance, check the following.

The unit will not turn on.

Is the power cord firmly plugged into the wall outlet?
→ Unplug and reconnect the power cord to the wall outlet to make sure the connection is secure.

A function does not work when the button is pressed.

Is there static electricity in the air?
→ Disconnect the power plug and connect it again.

Sound dropouts occur in BT mode.

→ See the Bluetooth connection sections on pages 7 and 12.

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 with new batteries.
Is the distance between the remote control and Soundbar main unit too far?
→ Move the remote control closer to the Soundbar main unit.

The subwoofer drones and vibrates noticeably.

Try to adjust the vibration of your subwoofer.
→ Rock the **WOOFER** button on your remote control forward or backward to adjust the subwoofer level. (to -12, or between -6 ~ +6).

12 LICENCE

DOLBY AUDIO

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dts 2.0 Channel

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13 OPEN SOURCE LICENCE NOTICE

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

14 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.

15 SPECIFICATIONS AND GUIDE

Specifications

Model Name	HW-T420
USB	5V/0.5A
Weight	1.5 kg
Dimensions (W x H x D)	860.0 x 54.0 x 74.0 mm
Operating Temperature Range	+5°C to +35°C
Operating Humidity Range	10 % ~ 75 %
AMPLIFIER Rated Output power	35W x 2, 6 ohm
Supported play formats (DTS 2.0 sound is played in DTS format.)	LPCM 2ch, Dolby Audio™ (supporting Dolby® Digital), DTS
WIRELESS DEVICE OUTPUT POWER BT max transmitter power	100mW at 2.4GHz – 2.4835GHz

Subwoofer Name	PS-T4SWT
Weight	4.1 kg
Dimensions (W x H x D)	181.5 x 343.0 x 272.0 mm
AMPLIFIER Rated Output power	80W, 3 ohm

Overall Standby Power Consumption (W)	2.0W
Bluetooth Port deactivation method	Press and hold the **SOUND MODE** 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 Electronics, declares that this equipment is in compliance with Directive 2014/53/EU.
  The full text of the EU declaration of conformity is available at the following internet address: http://www.samsung.com go to Support > Search Product Support and enter the model name.
  This equipment may be operated in all EU countries.

[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:
http://www.samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data_corner.html

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 : 0330 SAMSUNG (7267864)
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.

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 anufactured. 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 records, compact discs, videos or audio taper or any other related equipment or material.

SAMSUNG ELECTRONICS (U.K.) LTD.

SAMSUNG

ENERGY STAR

Contact SAMSUNG WORLD WIDE

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

Area	Contact Centre ☎	Web Site
▪ Europe		
UK	0330 SAMSUNG (7267864)	www.samsung.com/uk/support
IRELAND (EIRE)	0818 717100	www.samsung.com/ie/support
GERMANY	06196 77 555 77	www.samsung.com/de/support
FRANCE	01 48 63 00 00	www.samsung.com/fr/support
ITALIA	800-SAMSUNG (800.7267864)	www.samsung.com/it/support
SPAIN	91 175 00 15	www.samsung.com/es/support
PORTUGAL	808 207 267	www.samsung.com/pt/support
LUXEMBURG	261 03 710	www.samsung.com/be_fr/support
NETHERLANDS	088 90 90 100	www.samsung.com/nl/support
BELGIUM	02-201-24-18	www.samsung.com/be/support (Dutch) www.samsung.com/be_fr/support (French)
NORWAY	21629099	www.samsung.com/no/support
DENMARK	707 019 70	www.samsung.com/dk/support
FINLAND	030-6227 515	www.samsung.com/fi/support
SWEDEN	0771 726 786	www.samsung.com/se/support
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)	http://www.samsung.com/pl/support/
HUNGARY	0680SAMSUNG (0680-726-7864)	www.samsung.com/hu/support
AUSTRIA	0800 72 67 864 (0800-SAMSUNG)	www.samsung.com/at/support
SWITZERLAND	0800 726 786 (0800-SAMSUNG)	www.samsung.com/ch/support (German) www.samsung.com/ch_fr/support (French)

Area	Contact Centre ☎	Web Site
CZECH	800 - SAMSUNG (800-726786)	www.samsung.com/cz/support
SLOVAKIA	0800 - SAMSUNG (0800-726 786)	www.samsung.com/sk/support
CROATIA	072 726 786	www.samsung.com/hr/support
BOSNIA	055 233 999	www.samsung.com/support
NORTH MACEDONIA	023 207 777	www.samsung.com/mk/support
MONTENEGRO	020 405 888	www.samsung.com/support
SLOVENIA	080 697 267 (brezplačna številka)	www.samsung.com/si/support
SERBIA	011 321 6899	www.samsung.com/rs/support
ALBANIA	045 620 202	www.samsung.com/al/support
BULGARIA	*3000 Цена на един градски разговор 0800 111 31 Безплатен за всички оператори	www.samsung.com/bg/support
ROMANIA	*8000 (apel in retea) 08008-726-78-64 (08008-SAMSUNG) Apel GRATUIT Atenţie: Dacă efectuaţi apelul din reţeaua Digi (RCS/RDS), vă rugăm să ne contactaţi formând numărul Telverde fără ultimele două cifre, astfel: 0800872678.	www.samsung.com/ro/support
CYPRUS	8009 4000 only from landline, toll free	www.samsung.com/gr/support
GREECE	80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line	
LITHUANIA	8-800-77777	www.samsung.com/lt/support
LATVIA	8000-7267	www.samsung.com/lv/support
ESTONIA	800-7267	www.samsung.com/ee/support