

**SAMSUNG**

# USER MANUAL

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## **The Premiere    LSP7T / LSP9T** **Laser Projector**

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Thank you for purchasing this Samsung product.

To receive more complete service, please register your product at [www.samsung.com](http://www.samsung.com)


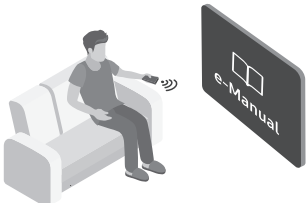


Model \_\_\_\_\_ Serial No. \_\_\_\_\_

If you have any questions, please call us at 1-800-SAMSUNG (1-800-726-7864) for assistance.

# Before Reading This User Manual

This Projector comes with this user manual and an embedded e-Manual.





Before reading this user manual, review the following:

|   |                           |   |
|---|---------------------------|---|
|  | <p><b>User Manual</b></p> | <p>Read this provided user manual to see information about product safety, installation, accessories, initial configuration, and product specifications.</p>  |
|  | <p><b>e-Manual</b></p>    | <p>For more information about this Projector, read the e-Manual embedded in the product.</p> <ul style="list-style-type: none"> <li>To open the e-Manual,           <ul style="list-style-type: none"> <li>  <b>Settings &gt; Support &gt; Open e-Manual</b></li> </ul> </li> </ul> |





Scan this QR code with your smart device to visit Samsung's online Customer Service Center. You can also use your PC to visit "www.samsung.com" and click Support. On the website, you can download the manuals and see its contents on your PC or mobile device.

## Learning the e-Manual's assistance functions

|   |                                      |   |
|---|--------------------------------------|---|
|  | <p><b>Search</b></p>                 | <p>Select an item from the search results to load the corresponding page.</p> |
|  | <p><b>Index</b></p>                  | <p>Select a keyword to navigate to the relevant page.</p>                     |
|  | <p><b>Sitemap</b></p>                | <p>It displays the lists for each item in e-Manual.</p>                       |
|  | <p><b>Recently Viewed Topics</b></p> | <p>Select a topic from the list of recently viewed topics.</p>                |

- Some menu screens cannot be accessed from the e-Manual.





## Learning the functions of the buttons that appear on e-Manual topic pages


|   |                       |   |
|---|-----------------------|---|
|  | <p><b>Try Now</b></p> | <p>Allows you to access the corresponding menu item and try out the feature right away.</p> |
|  | <p><b>Link</b></p>    | <p>Access an underlined topic referred to on an e-Manual page immediately.</p>              |

# Warning! Important Safety Instructions

Please read the Safety Instructions before using your Projector.

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

| CAUTION   |  |
|---|--|
| <b>RISK OF ELECTRIC SHOCK. DO NOT OPEN.</b>   |  |
| CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL. |  |
|    | 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.                                |
|    | AC voltage: Rated voltage marked with this symbol is AC voltage.   |
|    | DC voltage: Rated voltage marked with this symbol is DC voltage.   |
|    | Caution. Consult instructions for use: This symbol instructs the user to consult the user manual for further safety related information.       |

- Do not expose this apparatus to rain or moisture.
- Be sure to contact an authorized Samsung service center for information if you intend to install your Projector in a location with heavy dust, high or low temperatures, high humidity, chemical substances, or where it will operate 24 hours a day such as in an airport, a train station, etc. Failure to do so may lead to serious damage to your Projector.
- Do not expose this apparatus to dripping or splashing.
- Do not dispose of batteries in a fire.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- **CAUTION:** There is danger of an explosion if you replace the batteries used in the remote with the wrong type of battery. Replace only with the same or equivalent type.
- **WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES AND OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.** 
- Use care when touching the Projector after it has been on for some time. Some parts can be warm to the touch.

## Installation

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus and to protect it from overheating, these slots and openings must never be blocked or covered.
  - Do not place this apparatus in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.
  - Do not place this apparatus near or over a radiator or heat register, or where it is exposed to direct sunlight.
  - Do not place vessels (vases etc.) containing water on this apparatus, as this can result in a fire or electric shock.

## Operation

- This apparatus uses batteries. In your community, there might be environmental regulations that require you to dispose of these batteries properly. Please contact your local authorities for disposal or recycling information.
- Do not drop or strike the product. If the product is damaged, disconnect the power cord and contact a Samsung service center.
- When you need to turn off the Projector completely, wait until the fan stops completely so that the Project can cool down completely.

## Power

- Do not overload wall outlets, extension cords, or adaptors beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be placed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at the plug end, at wall outlets, and at the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.
- Before plugging in the AC power cord of the Projector, make sure that the operational voltage of the Projector matches the voltage of your local electrical power supply. Refer to the power specifications section of the manual and/or the power supply label on the product for voltage and amperage information.
- Never insert anything metallic into the open parts of this apparatus. This may cause electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Be sure to plug in the power cord until it is firmly seated. When unplugging the power cord from a wall outlet, always pull on the power cord's plug. Never unplug it by pulling on the power cord. Do not touch the power cord with wet hands.
- If this apparatus does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorized dealer or Samsung service center.
- Be sure to pull the power plug out of the outlet if the Projector is to remain unused or if you are going to leave the house for an extended period of time (especially when children, elderly, or disabled people will be left alone in the house).
  - Accumulated dust can cause an electric shock, an electric leakage, or a fire by causing the power cord to generate sparks and heat or by causing the insulation to deteriorate.
- Use only a properly grounded plug and wall outlet.
  - An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
- To turn off this apparatus completely, disconnect it from the wall outlet. To ensure you can unplug this apparatus quickly if necessary, make sure that the wall outlet and power plug are readily accessible.

## Cleaning

- To clean this apparatus, unplug the power cord from the wall outlet and wipe the product with a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air fresheners, lubricants, or detergents. These chemicals can damage the appearance of the Projector or erase the printing on the product.
- Do not spray water or any liquid directly onto the Projector. Any liquid that goes into the product may cause a failure, fire, or electric shock.

## Laser

- Do not block the light coming out of the projector lens when in operation. The light will heat the object and may melt, cause burns or start a fire.
- Do not look directly at the light from the Projector lens or project the light into any person's eyes.

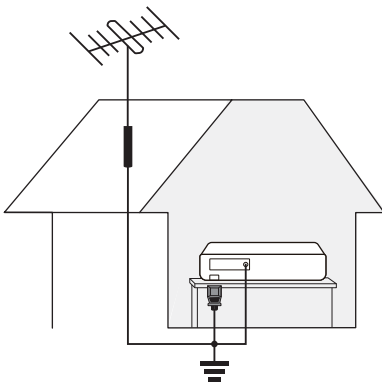


- **WARNING: MOUNT ABOVE THE HEADS OF CHILDREN.** Additional warning against eye exposure for close exposures less than 1 m.

- As with any bright source, do not stare into the direct beam, RG2 IEC 62471-5:2015.
- This projector is class 1 laser product of IEC 60825-1:2014 and risk group 2 with the requirements of IEC 62471-5:2015
- Additional instructions to supervise children, no staring, and not use optical aids
  - Notice is given to supervise children and to never allow them to stare into the projector beam at any distance from the projector.
  - Notice is given to use caution when using the remote control for starting the projector while in front of the projection lens.
  - Notice is given to the user to avoid the use of optical aids such as binoculars or telescopes inside the beam.
- Do not open or disassemble the projector as this may cause damage by the exposure of laser Radiation.

## Antenna

- Bend down the part where the outdoor antenna line goes into the inside so that rainwater cannot flow into it.
- If you are using an outdoor antenna, please install it away from electrical wires to make sure it does not touch any nearby wires even when it falls down due to heavy wind.



## Internet security

Samsung takes a number of steps to protect its Internet-compatible Projector against unauthorized incursions and hacking. For example, certain sensitive communications between the Projector and the Internet servers are encrypted. In addition, the Projector's operating system has adopted controls to prevent the installation of unauthorized applications.

Although we take steps to protect your Projector and personal information, no Internet-connected device or transmission is completely secure. We therefore encourage you to take additional steps to safeguard your Projector, secure your Internet connection, and minimize the risk of unauthorized access. These steps are listed below:

- When Samsung releases software updates to improve the security of your Projector, you should promptly install these updates. To automatically receive these updates, turn on **Auto Update** in the Projector's menu (🏠 > ⚙️ **Settings > Support > Software Update > Auto Update**). When an update is available, a popup message appears on the Projector screen. Accept the software download and update by selecting **Yes** when prompted. Take steps to secure your wireless access point and network. Your access point's manual should provide additional details about how to implement the following measures:
  - Secure your wireless access point's management settings with a unique password to prevent unauthorized changes to security related settings.
  - Implement standard encryption (e.g., WPA2 encryption) on your wireless access point to secure your wireless network signal.
  - Secure access to your wireless network with a hard-to-guess password.
  - Confirm your access point's firewall setting is enabled (if so equipped).
  - Make sure that all your Internet-connected devices are behind your network's firewall.
  - If your access point or modem has a standby mode button, use it to disconnect your home network from the Internet when it is not in use.
- Use strong passwords for all your Internet accounts (Netflix, Facebook, etc.).
- If any unexpected messages appear on your Projector screen requesting permission to link a device or enable a remote session, do NOT accept.
- Do not visit suspicious web sites and do not install any suspicious programs. We recommend that users install only those authorized apps provided by Samsung through Samsung Smart Hub.

Figures and illustrations in this User Manual are provided for reference only and may differ from the actual product appearance. Product design and specifications may change without notice.

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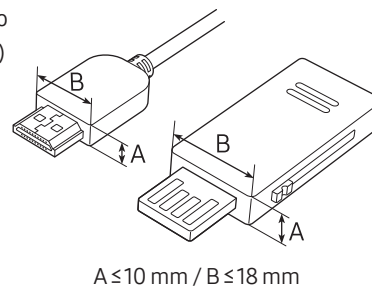
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# 01 Package Content

Make sure the following items are included with your Projector. If any items are missing, contact your dealer.

- Samsung Smart Remote & Batteries (AA x 2)
- User Manual
- Warranty Card / Regulatory Guide
- Power Cord

- The items' colors and shapes may vary depending on the models.
- Cables not included can be purchased separately.
- When connecting an HDMI or USB cable, or connecting a USB flash drive to the HDMI or USB port, use a product that has a width of 18 mm (0.7 inches) or less and a height of 10 mm (0.3 inches) or less. If the USB cable or USB flash drive does not fit the USB ports of the projector, use an extension cable that supports USB 2.0.
- Use a certified cable with the HDMI logo attached.
- If you do not use a certified HDMI cable, the screen may not display or a connection error may occur. (Recommended HDMI cable types)
  - Ultra High-Speed HDMI Cable (3 m (9.8 feet) or less)

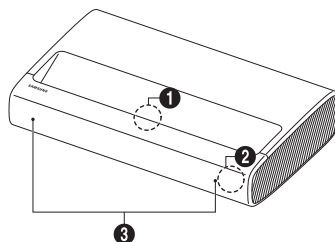




## 02 Product Overview

### About the Projector

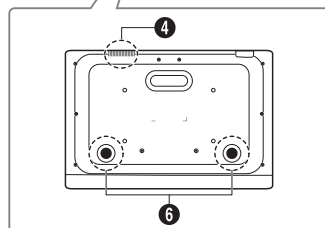
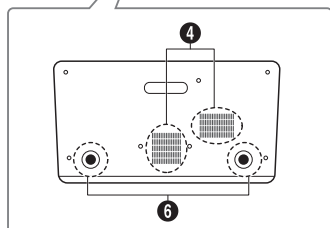
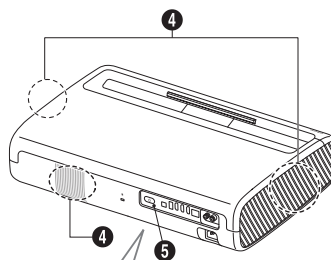
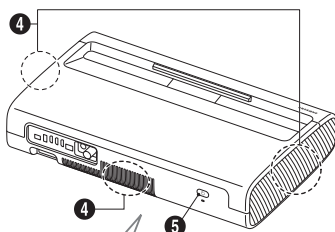
<Front>



SP-LSP7TFA

SP-LSP9TFA

<Rear>



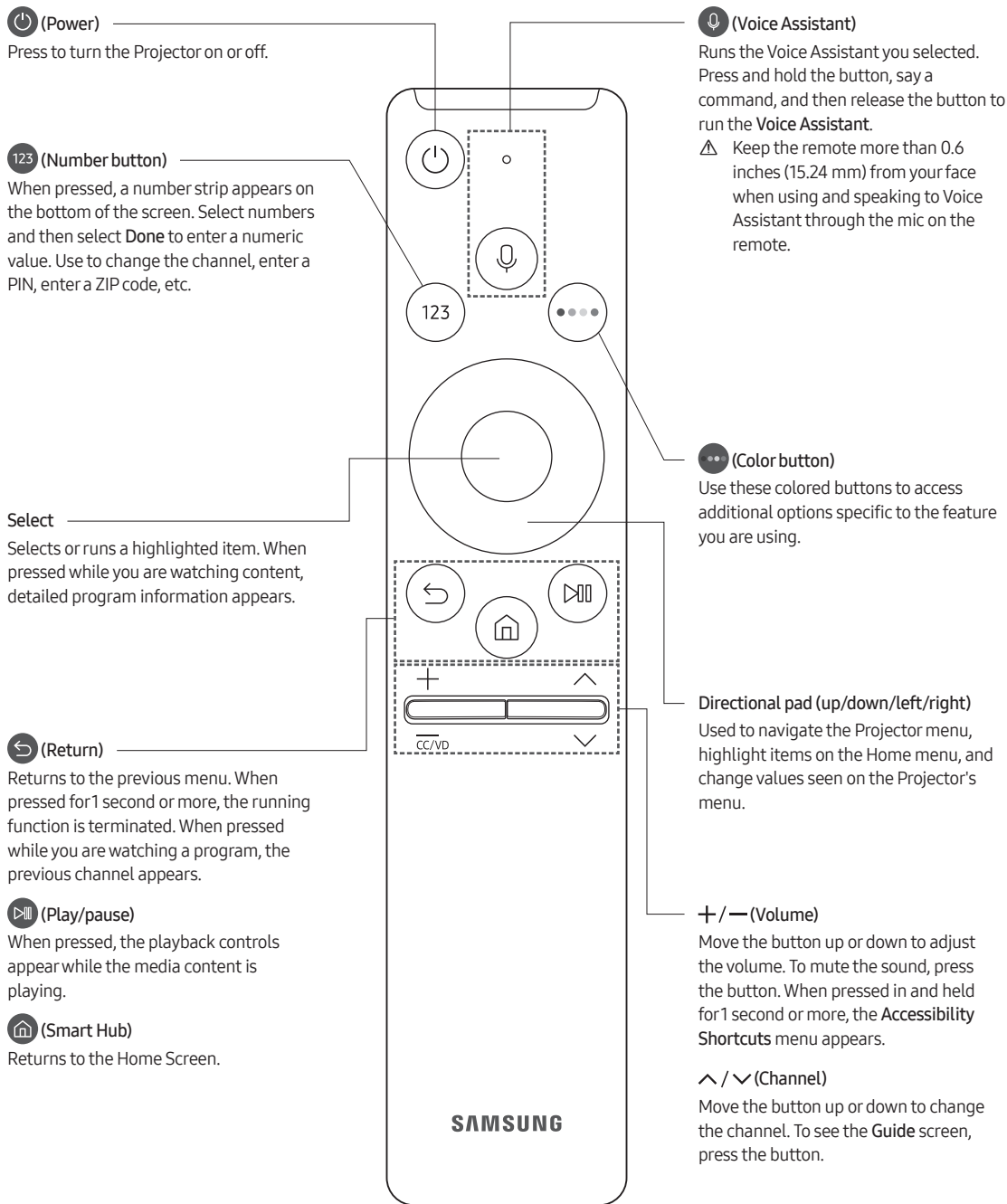
- |  |                        |
|--|------------------------|
| ❶ Lens                                   | ❷ Ventilation          |
| ❸ Remote control sensor / LED Indicators | ❸ Power button         |
| ❹ Speaker                                | ❹ Tilt-Adjustment Foot |

- The product color and shape may vary depending on the model.
- Do not block projector intake and exhaust vents.
- When operating the projector in an enclosed space, allow at least 50 cm (19") clearance around the intake and exhaust vents.

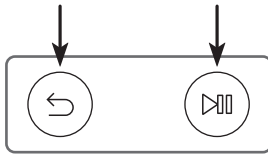
# 03 The Samsung Smart Remote



## About the Buttons on the Samsung Smart Remote

- The images, buttons, and functions of the Samsung Smart Remote may differ depending on the model.
- The Universal Remote function operates normally only when you use the Samsung Smart Remote that comes with the Projector.

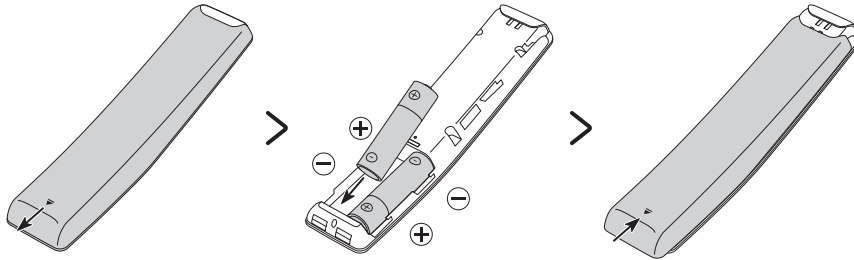


## Pairing the Projector to the Samsung Smart Remote



When you turn on the Projector for the first time, the Samsung Smart Remote pairs to the Projector automatically. If the Samsung Smart Remote does not pair to the Projector automatically, point it at the remote control sensor of the Projector, and then press and hold the buttons labeled  and  as shown in the figure on the left simultaneously for 3 seconds or more.

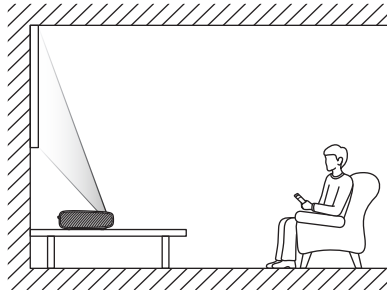
## Installing batteries into the Samsung Smart Remote



To install the batteries, push the rear cover open in the direction of the arrow at the bottom of the illustration, and then insert the batteries as shown in the figure. Make sure that the positive and negative ends are facing in the correct direction. Close the rear cover as shown.

- Alkaline batteries are recommended for longer battery life.

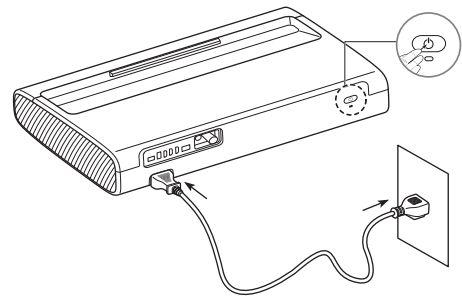
## 04 Installing the Projector



Install the projector horizontally on a flat surface to prevent it from being tilted.

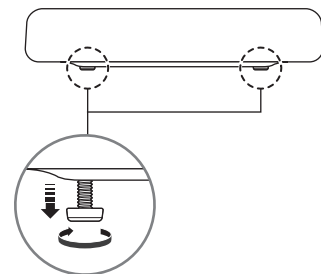
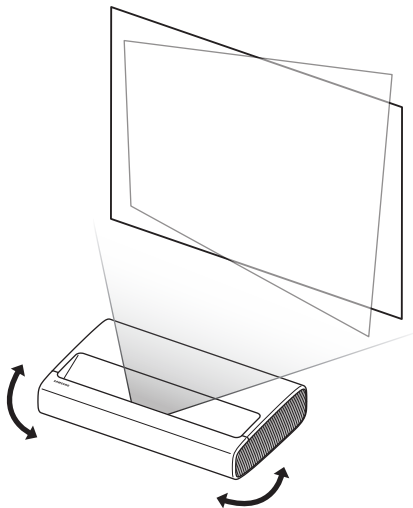
When the screen and the projector are not aligned horizontally and vertically, or the screen is curved, the display may get distorted.

1. Place the projector at an appropriate distance from the screen to be projected, connect with the power cable, and then turn it on.
  - When you turn on your Projector for the first time, it immediately starts the Initial Setup. Follow the instructions displayed on the screen and configure the Projector's basic settings to suit your viewing environment.
    - You can turn on the Projector with the power button at the rear of the Projector, and then use the **Control menu**. The **Control menu** appears when the power button is pressed while the Projector is On.
    - When the screen looks skewed or blurred, adjust the display settings by following the next instruction.

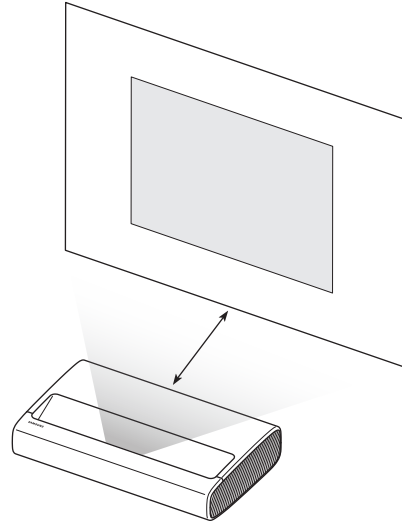


- The product color and shape may vary depending on the model.

2. Adjust the angle by moving the projector left or right or adjust the angle adjusting tilt-adjustment foot at the bottom to make the screen to be rectangular.

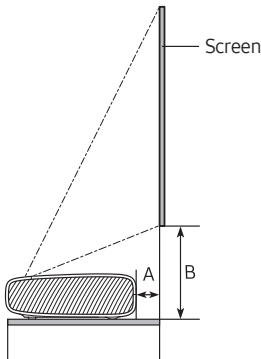


3. Move the projector forward or backward to adjust the projection distance for a desired screen size.
  - When the projected screen is unclear, adjust in **Settings > General > Projector Settings > Focus**.
  - When the projected screen is not a right angle, adjust in **Projector Settings > Screen Adjustment**.  
In this case, the screen resolution may decrease.
  - For information about the screen sizes for each projection distance, refer to the following table.



## Image size and projection distance

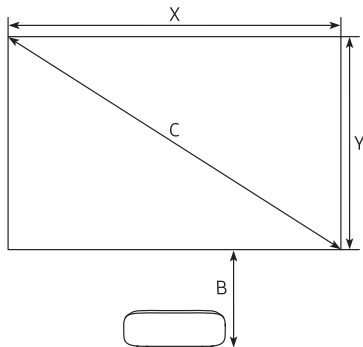
- The screen sizes for each projection distance may differ depending on the installation environment.



SP-LSP7TFA

Unit: inches (mm)

| C          | X            | Y           | A          | B          |
|------------|--------------|-------------|------------|------------|
| 90 (2286)  | 78.4 (1992)  | 44.1 (1121) | 9.7 (247)  | 13.7 (349) |
| 95 (2413)  | 82.8 (2103)  | 46.6 (1183) | 10.8 (275) | 14.3 (364) |
| 100 (2540) | 87.2 (2214)  | 49.0 (1245) | 11.9 (303) | 14.9 (379) |
| 105 (2667) | 91.5 (2324)  | 51.5 (1308) | 13.0 (331) | 15.5 (394) |
| 110 (2794) | 95.9 (2435)  | 53.9 (1370) | 14.1 (359) | 16.1 (409) |
| 115 (2921) | 100.2 (2546) | 56.4 (1432) | 15.2 (387) | 16.7 (424) |
| 120 (3048) | 104.6 (2657) | 58.8 (1494) | 16.3 (415) | 17.3 (439) |



SP-LSP9TFA

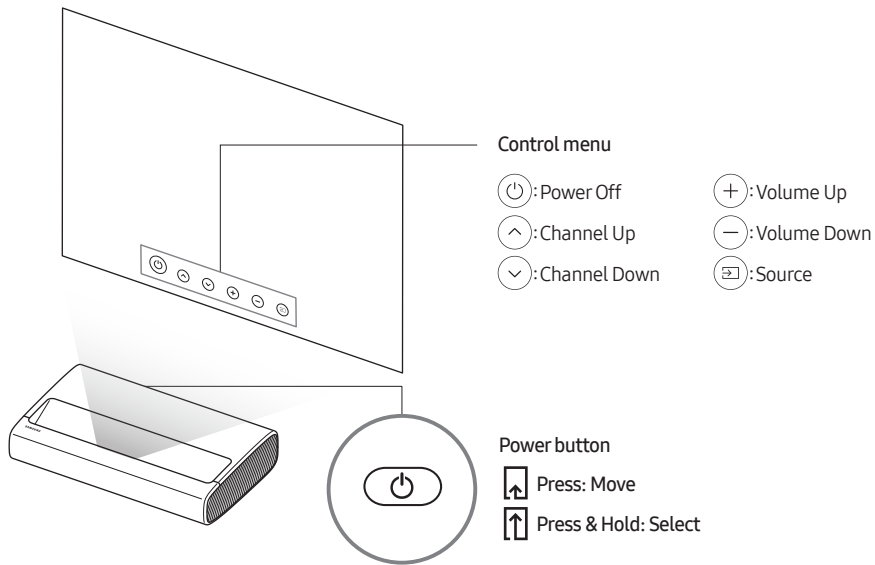
Unit: inches (mm)

| C          | X            | Y           | A         | B          |
|------------|--------------|-------------|-----------|------------|
| 100 (2540) | 87.2 (2214)  | 49.0 (1245) | 4.4 (113) | 13.8 (351) |
| 105 (2667) | 91.5 (2324)  | 51.5 (1308) | 5.3 (134) | 14.3 (363) |
| 110 (2794) | 95.9 (2435)  | 53.9 (1370) | 6.1 (154) | 14.8 (376) |
| 115 (2921) | 100.2 (2546) | 56.4 (1432) | 6.9 (175) | 15.3 (388) |
| 120 (3048) | 104.6 (2657) | 58.8 (1494) | 7.7 (196) | 15.8 (401) |
| 125 (3175) | 108.9 (2767) | 61.3 (1557) | 8.5 (217) | 16.3 (413) |
| 130 (3302) | 113.3 (2878) | 63.7 (1619) | 9.4 (238) | 16.8 (426) |

## Using the Power button

You can turn on the Projector with the power button at the rear of the Projector, and then use the **Control menu**. The **Control menu** appears when the power button is pressed while the Projector is On. For more information about its usage, refer to the figure below.

- Manipulate buttons on the side of the product so that the projected screen is not covered.
- Be careful not to directly get the light emitted from the projector lens.

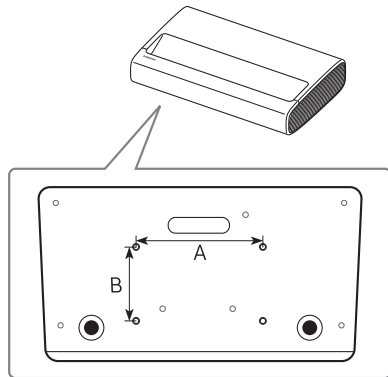


- The product color and shape may vary depending on the model.

## Mounting the Projector on a wall



In order to install the projector on a wall, be sure to consult with a professional service agency. Otherwise, the projector may slip or fall off, resulting in personal injury or damage to the product.



When installing a wall mount kit, we recommend you fasten all four screws.

| Screw hole specs (A * B) in millimeters | Screw Depth (mm) | Standard Screw | Pitch (mm) | Quantity |
|---|------------------|----------------|------------|----------|
| 235 x 135                               | 7-9              | M6             | 1.0        | 4        |

- The product color and shape may vary depending on the model.



**Do not install your wall mount kit while your Projector is turned on. This may result in personal injury from electric shock.**

- Do not use screws that are longer than the standard dimension or do not comply with the standard screw specifications. Screws that are too long may cause damage to the inside of the Projector set.
- For wall mounts that do not comply with the standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-specified wall mount is used or when the consumer fails to follow the product installation instructions.
- Always have two people mount the Projector onto a wall.

# 05 Troubleshooting and Maintenance

## Troubleshooting

If the Projector seems to have a problem, first review this list of possible problems and solutions. Alternatively, review the Troubleshooting Section in the e-Manual. If none of the troubleshooting tips apply, please visit "www.samsung.com" and click Support or contact the Samsung service center listed on the back cover of this manual.

- For detailed information on troubleshooting, watch the troubleshooting videos at [www.samsung.com/spsn](http://www.samsung.com/spsn).
- To keep your Projector in optimum condition, upgrade to the latest software. Use the **Update Now** or **Auto Update** functions on the Projector's menu (🏠 > ⚙️ Settings > Support > Software Update > Update Now or Auto Update).

### The Projector won't turn on.

- Make sure that the AC power cord is securely plugged in to the Projector and the wall outlet.
- Make sure that the wall outlet is working and the power indicator at the front right of the Projector is lit and glowing a solid red.
- Try pressing the **Power** button at the rear of the Projector to make sure that the problem is not with the remote control. If the Projector turns on, refer to "The remote control does not work."

### There is no picture/video/sound, or a distorted picture/video/sound from an external device, or "Weak or No Signal" is displayed on the Projector, or you cannot find a channel.

- Perform a Projector self diagnosis to determine if the problem is caused by the Projector or the device (🏠 > ⚙️ Settings > Support > Device Care > Self Diagnosis > Picture Test or Sound Test).
- If the test results are normal, make sure the connection to the device is correct and that all cables are fully inserted.
- Remove and reconnect all cables connected to the Projector and the external devices. Try new cables if possible and confirm that the correct input source has been selected (🏠 > 📺 Source).
- Reboot the connected devices by unplugging each device's power cord and then plugging it in again. If the issue persists, refer to the connection guide in the user manual of the connected device.
- If you are not using a cable box or satellite box, and your Projector is receiving TV signals from an antenna or a cable wall connector, run **Auto Program** to search for channels (🏠 > ⚙️ Settings > Broadcasting > Auto Program).

### The remote control does not work.

- Check if the power indicator at the front right of the Projector blinks when you press the remote's Power button. If it does not, replace the remote control's batteries.
- Make sure that the batteries are installed with their poles (+/-) in the correct direction.
- Try pointing the remote directly at the Projector from 5 ft. to 6 ft. (1.5-1.8 m) away.
- If your Projector came with a Samsung Smart Remote (Bluetooth Remote), make sure to pair the remote to the Projector.



# 06 Specifications and Other Information

## Specifications

| Model Name             | SP-LSP7TFA   | SP-LSP9TFA   |
|------------------------|--|--|
| Display Resolution     | 3840 x 2160  |  |
| Lens                   | Fixed Lens   |  |
| Image Size (Diagonal)  | 90 - 120 inches<br>(2286 - 3048 mm)                    | 100 - 130 inches<br>(2540 - 3302 mm)                   |
| Sound (Output)         | 30 W   | 40 W   |
| Dimensions (W x H x D) |  |  |
| Body                   | 20.9 x 4.7 x 13.5 inches<br>(532.0 x 119.1 x 342.0 mm) | 21.7 x 5.0 x 14.4 inches<br>(550.0 x 128.0 x 367.0 mm) |
| With Feet              | 20.9 x 5.2 x 13.5 inches<br>(532.0 x 132.7 x 342.0 mm) | 21.7 x 5.6 x 14.4 inches<br>(550.0 x 141.0 x 367.0 mm) |
| Weight (With Feet)     | 20.1 lbs (9.1 kg)                                      | 25.4 lbs (11.5 kg)                                     |

## Environmental Considerations

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | 50°F to 104°F (10°C to 40°C)  |
| Operating Humidity    | 10% to 80%, non-condensing    |
| Storage Temperature   | -4°F to 113°F (-20°C to 45°C) |
| Storage Humidity      | 5% to 95%, non-condensing     |

### Notes

- Design and specifications are subject to change without prior notice.
- This device is a Class B digital apparatus.
- For information about the power supply, and more information about power consumption, refer to the information on the label attached to the product.
  - For the label-rating and laser-related cautions, see the surface of the bottom of the projector.
- All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions before installing your Projector. Not responsible for typographical or printed errors.
- To connect a LAN cable, use a CAT 7 (\*STP type) cable for the connection. (100/10 Mbps)
  - \* Shielded Twisted Pair

## Decreasing power consumption

When you shut the Projector off, it enters Standby mode. In Standby mode, it continues to draw a small amount of power. To decrease power consumption, unplug the power cord when you don't intend to use the Projector for a long time.

## Licenses



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# SAMSUNG

## Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the Samsung service center.

| Country | Samsung Service Center ☎ | Web Site   | Address  |
|---------|--------------------------|--|--|
| U.S.A   | 1-800-SAMSUNG (726-7864) | <a href="http://www.samsung.com/us/support">www.samsung.com/us/support</a> | Samsung Electronics America, Inc.<br>85 Challenger Road<br>Ridgefield Park, NJ 07660 |

accessibility contact information in U.S.A. : [accessibility@sea.samsung.com](mailto:accessibility@sea.samsung.com)

If you experience issues, please do not take the Projector back to the store.

In the United States of America, call us at 1-800-SAMSUNG (1-800-726-7864) or visit us at [www.samsung.com](http://www.samsung.com) or [www.samsung.com/spsn](http://www.samsung.com/spsn) for support and warranty service.

