

# SAMSUNG USER MANUAL



## The Freestyle

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 (  > ≡ (left directional button) >

 Settings > Support > Open e-Manual).

On the website ([www.samsung.com](http://www.samsung.com)), you can download the manuals and see its contents on your PC or mobile device.

## 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.

|                                                                                   |                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | This symbol indicates that this product has included 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 <b>MUST</b> have a reliable connection to protective earth (ground). |

|                                                                                   |                                                                                                                                          |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|  | AC voltage: Rated voltage marked with this symbol is AC voltage.                                                                         |
|  | DC voltage: Rated voltage marked with this symbol is DC voltage.                                                                         |
|  | Caution. Consult instructions for use: This symbol instructs the user to consult the user manual for further safety related information. |

## This product is Class 1 Laser product

Caution—use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

Samsung Electronics Co., Ltd,  
129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,  
GYEONGGI-DO, KOREA

### Power

- Do not overload wall outlets, extension cords, or adapters beyond their voltage and capacity. It may cause fire or electric shock. Refer to the power specifications section of the manual or the power supply label on the product for voltage and amperage information.



- 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.
- 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.
- To protect this apparatus from a lightning storm, or to leave it unattended and unused for a long time, be sure to unplug it from the wall outlet and disconnect the antenna or cable system.
  - 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.

## Installation

- Do not place this apparatus near or over a radiator or heat register, or where it is exposed to direct sunlight.
- Do not place any objects (vases etc.) containing water on this apparatus, as this can result in a fire or electric shock.
- Do not expose this apparatus to water (rain) or moisture.
- Do not install your Projector in a location with heavy dust, chemical substances, too high or low temperature or high humidity, an automotive or other vehicle used for transportation, or a location where the Projector will operate continuously for an extended period of time, such as an airport or train station. If installed in such locations, a serious quality problem may occur due to the surrounding environment.
- Do not expose this apparatus to dripping or splashing.
- Do not expose this apparatus to oil or oil mist.
- Do not use oils or lubricants. This may cause this apparatus to crack.





### Providing proper ventilation for your Projector

When you install your Projector, maintain a distance of at least 4 inches (10 cm) between the Projector and other objects (walls, cabinet sides, etc.) to ensure proper ventilation. Failing to maintain proper ventilation may result in a fire or a problem with the product caused by an increase in its internal temperature.

- When operating the Projector in an enclosed space, allow at least 19 inches (50 cm) clearance around the intake and exhaust vents.

### Operation

- Move the product by holding the body. Do not hold the Lens Cap.
- 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.
- Store the accessories (remote control, or etc.) in a location safely out of the reach of children.
- When you need to turn off the Projector completely, wait until the fan stops completely so that the Projector can cool down completely.
- Do not dispose of remote control or batteries in a fire.
- Do not short-circuit, disassemble, or overheat the batteries.

- Do not drop or strike the product. If the product is damaged, disconnect the power cord and contact a Samsung service center.
- **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.**
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.



### Caring for the Projector

- 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.
- The exterior of the Projector can get scratched during cleaning. Be sure to wipe the exterior carefully using a soft cloth to prevent scratches.
- 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.



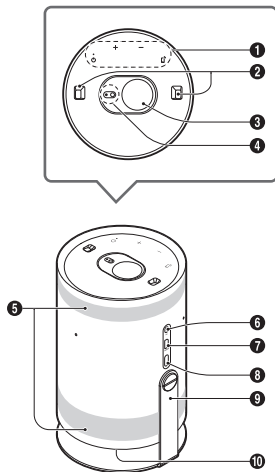
## Internet security

Samsung takes a number of steps to protect its Internet-compatible Projectors 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 (Ⓜ) > ≡ (left directional button) > ⚙️ **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 applicable).
- 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 websites and do not install any suspicious programs. We recommend that users install only those authorized apps provided by Samsung through Samsung Smart Hub.

## 01 Product Overview



- To supply power via an external battery, ensure that the battery supports PD (Power Delivery) and its single port has output of 50 W or more.
- When the Projector is not used, cover it with the Lens Cap to protect the lens and distance sensor. If the distance sensor is contaminated by dust, the Focus or Keystone function may not work properly.
- When the product is tilted, project images ensuring that the Samsung logo faces the floor.

### 1 Touch buttons

⏻ (Power)

+ - (Volume)

📱 (Mobile): Directly connect to the SmartThings app on your mobile device.

### 2 Distance sensor

### 3 Lens

### 4 Remote control sensor / LED Indicator

### 5 Ventilation

### 6 MIC On/Off switch

### 7 Micro HDMI Port

### 8 USB-C type Port (For Power)

### 9 Cradle

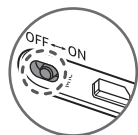
### 10 Speaker

- The product color and shape may vary depending on the model.
- Do not block Projector intake and exhaust vents.
- Please be advised that the pogo pin on the bottom of the Projector is a feature only intended for certain socket adapter features that are not available/supported in your country. Please do not attempt to use or connect the pogo pin with any other accessories.
- To use this product, you need a USB cable connected to power or an external battery pack.

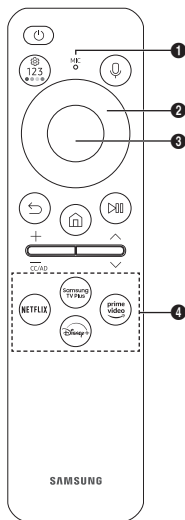
## Setting the MIC On/Off

You can turn the MIC on or off by using the MIC switch on the side of the Projector.

- During analysis using data from the MIC, the data is not saved.



## 02 About the Samsung SolarCell Remote (Samsung Smart Remote)



For battery recycling go to [call2recycle.org](http://call2recycle.org); or call 1-800-822-8837

### ⏻ (Power)

Press to turn the Projector on or off.

### 1 MIC / LED

Used as MIC when using voice recognition with the remote control.

When charging the remote control via the USB port, the LED is lit if charging is in progress. When charging is complete, the LED is turned off.

- Do not impact the MIC hole or use a sharp object to poke into the hole.

### 4 (Voice Assistant)

Runs Voice Assistant. Press and hold the button, say a command, and then release the button to run Voice Assistant.

- The supported Voice Assistant's languages and features may differ by geographical region.

⚠ Keep the remote more than 0.6 inches (15.24 mm) from your face when using and speaking to Voice Assistant through the mic on the remote.

### ⚙ (Settings - Number - Color button)

Each time you press this button, Settings menu / virtual numeric pad / Option pad with Color buttons are displayed alternately.

- Use this button to access additional options that are specific to the feature in use.
- Press to bring up the virtual numeric pad on the screen. Select numbers and then select **Done** or **Enter Number** to enter a numeric value.
- Press and hold for more than 1 second to activate the **Focus** feature.

## 2 Directional button (up, down, left, right)

Use to navigate the menu or move the focus to highlight items on the Home Screen.

## 3 Select

Selects or runs a focused item.

## ⏮ (Return)

Press to return to the previous menu.

## 🏠 (Smart Hub)

Press to switch to the Home Screen.

## ⏸ (Play/pause)

Using these controls, you can control the media content that is playing.

## + / - (Volume)

Move the button up or down to adjust the volume.

To mute the sound, press the button.

- When pressed for 2 seconds or more, the **Accessibility Shortcuts** appears.

## ^ / v (Channel)

Move the button up or down to change the channel. To see the **Guide** screen, press the button.

- When pressed for 1 second or more, the **Channel List** screen appears.

## 4 Launch app button

Launch the app indicated by the button.

- Available apps may differ depending on the geographical area or contents provider.

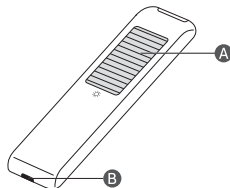


## ⏻ + 🔌 (Pairing)

If the Samsung Smart Remote does not pair to the Projector automatically, point it at the front of the Projector, and then press and hold the ⏻ and 🔌 buttons simultaneously for 3 seconds or more.

- Use the Samsung Smart Remote less than 20 feet (6 m) from the Projector. The usable distance may vary with the wireless environmental conditions.
- The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.

## Charging the battery



### A ☀ Solar Cell

Expose to light when the remote is not in use. This will extend the remote's operating time.

### B USB port (C-type) for charging

Used for quick charging. The LED on the front will light when charging. When the battery is fully charged, the LED will turn off.

- The USB Cable is not provided.

- It is recommended to use an original Samsung charger (with USB cable). Otherwise, it may cause performance degradation or failure of the product. In this case, the warranty service is not applicable.
- When the remote control does not work due to low battery, charge it by using the USB-C type port.

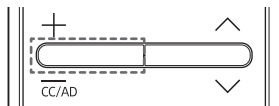


Fire or explosion may occur, resulting in damage to the remote control or personal injury.

- Do not apply shock to the remote control.
- Be careful not to let foreign substances such as metal, liquid, or dust come in contact with the charging terminal of the remote control.
- When the remote control is damaged or you smell smoke or burning fumes, immediately stop operation and then repair it at the Samsung service center.
- Do not arbitrarily disassemble the remote control.
- Be careful not to let infants or pets suck or bite the remote control. Fire or explosion may occur, resulting in damage to the remote control or personal injury.

## Using Accessibility Functions

The **Accessibility Shortcuts** button on your remote provides easy access to the accessibility functions on your Projector.



- Press and hold the Volume button to display the **Accessibility Shortcuts** menu.
- Some functions may not appear depending on the access method.

\* CC/VD works the same as CC/AD. The marked name can be changed to CC/AD.



### Voice Guide Settings

You can activate voice guides that describe the menu options aloud to aid the visually impaired. To activate this function, set **Voice Guide** to **On**. With **Voice Guide** on, the Projector provides voice guides for channel change, volume adjust, information on current and upcoming programs, schedule viewing, other Projector functions, various content in the Web Browser, and in **Search**.

- You can configure the volume, speed, pitch of the **Voice Guide**, and adjust background sound volume during voice guidance.
- The **Voice Guide** is provided in the language that is specified on the **Language** screen. **English** is always supported. However, some languages are not supported by **Voice Guide** even though they are listed in the **Language** screen.

### Caption Settings

Set **Caption to On** to watch programs with the captions displayed.

- Captions are not displayed by programs that do not support captions.

### Sign Language Zoom

You can zoom in the sign language screen when the program you are watching provides it. First, set **Sign Language Zoom** to **On**, and then select **Edit Sign Language Zoom** to change the position and magnification of the sign language screen.

### Learn Remote

This function helps individuals with a visual impairment to learn the positions of the buttons on the remote control. When this function is activated, you can press a button on the remote control and the Projector will tell you its name. Press the  (**Return**) button twice to exit **Learn Remote**.

### Learn Menu Screen

Learn the menus on the Projector screen. Once enabled, your Projector will tell you the structure and features of the menus you select.



### Picture Off

Turn off the Projector screen and provide only sound to reduce overall power consumption. When you press any button on the remote control with the screen off, the Projector screen is returned to on.

### Multi-output Audio

You can turn on the Projector speaker and a Bluetooth device at the same time. When this function is active, you can set the volume of the Bluetooth device higher than the volume of the Projector speaker.

- A maximum of two Bluetooth devices can be connected simultaneously.

### High Contrast

You can change major service screens to white text on a black background or change the transparent Projector menus to opaque so that text can be more easily read. To activate this function, set **High Contrast** to On.

### Zoom Menu and Text

You can enlarge the size of the font on the screen. To activate, set **Zoom Menu and Text** to On.

### Grayscale

You can change the color of the Projector screen to a black and white tone to sharpen blurred edges caused by colors.

- If **Grayscale** is on, some Accessibility menus are not available.

### Color Inversion

You can invert the colors of the text and background for the setting menus displayed on the Projector screen to make it easier to read them.

- If **Color Inversion** is on, some Accessibility menus are not available.

### Slow Button Repeat

You can configure the operation speed of the remote control buttons so that they slow down when you continually press and hold them. First, set **Slow Button Repeat** to On, and then adjust the operation speed in **Repeat Interval**.

## 03 Initial Setup

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 will need a Samsung Account to access our network-based smart services. If you choose not to log in, you will only get a connection to terrestrial TV (applicable to devices with tuners only) and external devices, e.g. via HDMI.

## 04 Troubleshooting and Maintenance

### Troubleshooting

For more information, see "Troubleshooting" in the e-Manual.

 >  (left directional button) >  Settings > Support > Open e-Manual > Troubleshooting

If none of the troubleshooting tips apply, please visit "www.samsung.com" and click Support or contact the Samsung service center.

- To keep your Projector in optimum condition, upgrade to the latest software.  >  (left directional button) >  Settings > Support > Software Update).

### The Projector won't turn on.

- Make sure that the power cord is securely plugged into the Projector and the wall outlet.
- Make sure that the wall outlet is working and the remote control sensor of the Projector is lit and glowing a solid white.
- Try pressing the Power button 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."

### The remote control does not work.

- Check if the remote control sensor of the Projector blinks when you press the  button on the remote control.
  - When the remote's battery is discharged, charge the battery using the USB charging port (C-type), or turn over the remote to expose the solar cell to light.
- Try pointing the remote directly at the Projector from 5 ft. to 6 ft. (1.5-1.8 m) away.
- Make sure to pair the remote to the Projector.

## 05 Specifications and Other Information

### Specification

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| Model Name             | SP-LFF3CLAX                                         |
| Display Resolution     | 1920 x 1080                                         |
| Lens (Throw Ratio)     | 1.2                                                 |
| Image Size (Diagonal)  | 30 - 100 inches<br>(762 - 2540 mm)                  |
| Sound (Output)         | 5 W                                                 |
| Dimensions (W x H x D) |                                                     |
| With Cradle            | 4.0 x 6.2 x 3.7 inches<br>(102.4 x 157.8 x 95.2 mm) |
| With Cradle, Lens Cap  | 4.0 x 6.8 x 3.7 inches<br>(102.4 x 172.8 x 95.2 mm) |
| Weight                 |                                                     |
| With Cradle            | 1.7 lbs (785 g)                                     |
| With Cradle, Lens Cap  | 1.8 lbs (830 g)                                     |

#### 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

- 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, see the surface of the bottom of the Projector.
- The images and specifications of the Quick Setup Guide may differ from the actual product.
- Figures and illustrations are provided for reference only and may differ from the actual product appearance.
- Product design and specifications may change without notice.

### 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

 **Dolby** Audio

 **HEVC** Advance™  
Covered by Patents at [patentlist.hevcadvance.com](http://patentlist.hevcadvance.com)

**HDMI**™  
HIGH-DEFINITION MULTIMEDIA INTERFACE

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

This page is intentionally  
left blank.

# SAMSUNG



BP81-00687A-04

## 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  | Website                                                                                                                                                                           | Address                                                                                           |
|---------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| CANADA  | 1-800-SAMSUNG (726-7864)                                                                                 | <a href="http://www.samsung.com/ca/support">www.samsung.com/ca/support</a> (English)<br><a href="http://www.samsung.com/ca_fr/support">www.samsung.com/ca_fr/support</a> (French) | Samsung Electronics Canada Inc.<br>2050 Derry Road West<br>Mississauga, Ontario L5N 0B9<br>Canada |
| 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)