

SAMSUNG 3D Active Glasses

SSG-5100GB

User's Guide

Features

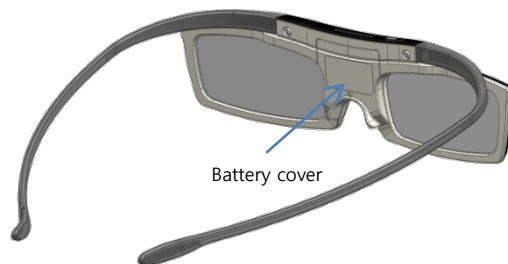
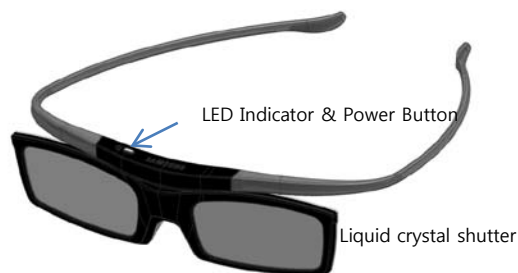
The SSG-4100GB, SSG-4100GBW 3D glasses enable you to view 3D images. The Samsung 3D glasses communicate with Samsung 3D TVs via the 2.4GHz RF band.

The Samsung 3D glasses can be used only with for all 2011, 2012 and 2013 Samsung

D,E and F series 3D TV, or a 3D TV product with the **FULL HD 3D GLASSES** or **FULL HD 3D GLASSES** logo on it, and can't be used with any other wireless communication products.

The "Full HD 3D Glasses™" Logo signifies compatibility between display products and 3D Glasses that are compliant with the "Full HD 3D Glasses™" format and does not indicate the picture quality of the 3D images visible using the glasses, which depends on the quality of the display products.

Parts



Components

3D Active glasses
(Frame body, Temple)

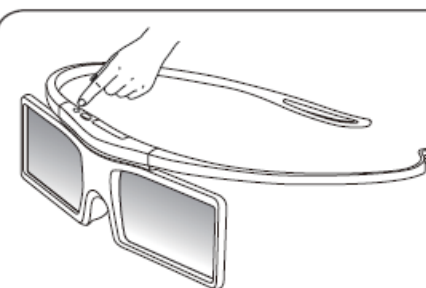
Button Battery
(CR2025)

Cleaning Cloth

Pairing 3D Active Glasses

What is Pairing? Pairing is a process of connecting 3D glasses and a 3D TV so that the two devices can exchange data.

Ensure your Samsung TV and 3D glasses are no farther than 19.5 in (50 cm) apart from each another while pairing is in progress..



Turning the glasses on

Press the power button briefly. The green LED is turned on for 3 seconds. (Make sure that 3D is activated on the TV before using the 3D glasses.)

Turning the glasses off

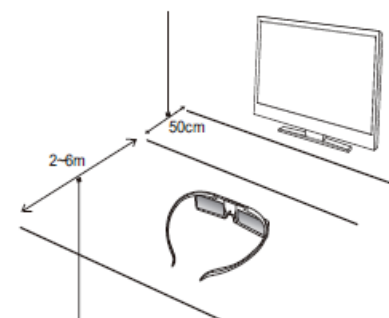
Press the power button briefly. The red LED is turned on for 3 seconds.

Performing the pairing process.

The green and red LEDs will blink for 2 seconds if pairing is in progress.

Operating range

Recommended pairing distance



Recommended viewing distance

Recommended viewing distance	2~6m (6 to 19.5 ft)
Recommended pairing distance	50 cm or less (19.5 in)

The working distance depends on obstacles (a person, metal, walls, etc.) or electromagnetic waves.

Turn off the 3D glasses while they are not in use. If you leave the 3D glasses on, the battery lifespan decreases.

Pairing steps

1. Turn on the TV, and then move the glasses within 19.5 inches of the TV.
2. Press the power button on the 3D glasses for more than 1 second. The 3D glasses will power on and pairing will start.
3. The message "3D glasses are connected to TV." will be displayed on the TV screen when the pairing is successfully completed.
 - ✎ If the pairing failed, the 3D glasses will power off.
 - ✎ If the first attempt to pair fails, power the TV off and on again and perform step 2.
 - ✎ How to pair again: Press the power button on the 3D glasses for more than 1 seconds.

<Pairing is needed again in the following situations:>

- If the 3D glasses do not function, even when the power button is pressed on the 3D TV after repair.
- If you want to view a 3D video on a different for all 2011 and 2012 Samsung D,E and ES series 3D TV.

Replacing the Batteries

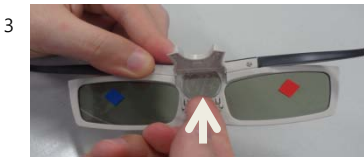
If the red LED blinks every two seconds continually, replace the batteries with new ones.



Push out the flap



Swing the flap open



Replace the battery with a new one



Put the flap back on



Push the flap down until it clicks

✎ Please insert the battery in the same direction as indicated.

Viewing guidelines

- When viewing a 3D video under a fluorescent lamp (50 Hz – 60 Hz) or 3-wavelength lamp, you may notice a small amount of screen flickering.
 - ✎ If this occurs, dim or turn off the light.
- Switching the input mode while watching a 3D movie may disable the 3D function on the TV. As a result, the 3D glasses may not function and the movie may not be displayed properly.
- If the 3D glasses are moved outside of their working distance, the signal from the TV will disconnect and the glasses' 3D function will turn off after several seconds. The 3D glasses will power off after the 3D function turns off. When this happens, the red LED will turn on for 3 seconds.
 - ✎ Under some circumstances, the 3D glasses may malfunction due to interference from other devices.
- Ensure you are within the working distance of the glasses when you view a 3D video.
 - ✎ The images may not be viewable in 3D if you move outside of the working distance for 3 seconds.
- If you lie on your side while watching TV with 3D active glasses, the picture may appear dark or may not be visible.
- The 3D glasses may not work properly due to interference from other 3D products or electronic devices that operate on the 2.4GHz frequency such as a microwave oven or Internet AP. If the 3D function malfunctions due to interference, please move all other electronic or wireless communication devices as far away from the glasses and the TV as possible.
- The 3D effect may be experienced differently depending on the viewer. You may not notice the 3D effect at all if you wear glasses and have an unusual prescription.
- If a part of the 3D glasses or lenses is defective or damaged, it cannot be repaired and the glasses should be replaced. If the glasses stop working within the warranty period, the glasses can be repaired or replaced for free. If the glasses have been damaged due to the fault of the customer or the warranty period has expired, a new pair of glasses will have to be purchased.

CAUTION!

IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D IMAGES. READ THE FOLLOWING CAUTIONS BEFORE YOU OR YOUR CHILD USE THE 3D FUNCTION.

- Adults should frequently check on children who are using the 3D function. If there are any complaints of tired eyes, headaches, dizziness or nausea, stop the child from viewing the 3D TV and ensure that they rest.
- Do not use the 3D glasses for other purposes such as general wear, sunglasses, protective goggles, etc.
- Some viewers may experience discomfort such as dizziness, nausea and headaches while viewing 3D TV. If you experience any of these symptoms, stop viewing the 3D TV, remove the 3D glasses and rest for awhile.
- Watching 3D pictures for an extended period of time may cause eye strain. If you experience any eye strain, stop viewing the 3D TV, remove the 3D glasses and rest for awhile.
- Do not use the 3D function or 3D glasses while walking or moving around. Using the 3D function or 3D Active Glasses while moving around may result in injury from running into objects, tripping, and/or falling.

SAFETY PRECAUTIONS

The following safety instructions are to ensure your personal safety and prevent property damage. Please read them to ensure the proper use of the product.

- Do not place the product in a location exposed to direct sunlight, heat, fire or water. This may result in a product malfunction or fire.
- Do not apply force to the lenses of the 3D glasses. Do not drop or bend the product. This may result in a product malfunction.
- Use only the specified standard batteries. When replacing the battery, insert the battery so that its polarity (+, -) is correct. Failing to do so may damage the battery or result in fire, personal injury or environmental damage caused by liquid leaking from the battery.
- Keep the used battery out of the reach of children so that they do not accidentally swallow the battery. If your child has swallowed the battery, consult your doctor immediately.
- When cleaning the product, do not spray water or cleaner directly onto the surface of the product. Spraying water or cleaner directly onto the glasses may result in fire or electric shock, damage to the product's surface, or cause the indicator labels on the product's surface to come loose.
- Do not use chemicals containing alcohol, solvents, or surfactants, or chemicals such as wax, benzene, thinner, mosquito repellant, lubricant or cleaners. These may cause a discoloration of or cracks in the product surface and cause the indicator labels on the product's surface to come loose.
- Since the product surface and lens are easily scratched, make sure to use a clean soft cloth (the cleaning cloth supplied with the product, a cloth consisting of superfine fibers or cotton flannel) when cleaning to avoid scratching either the surface or the lens. As the product may become scratched if there are any foreign items on the cloth, make sure to shake off any dust before using it.
- Never disassemble, repair, or modify the 3D glasses yourself. Do not use the glasses when they are out of order or broken.
- Take care that you do not injure your eyes with the edges of the frame of the 3D glasses when wearing them.
- Use your hands when wearing or take off the 3D glasses.

Troubleshooting

If you encounter...	Try this...
My 3D glasses do not work.	<ul style="list-style-type: none">➤ Replace the battery.➤ The 3D glasses should be close to the TV. Make sure that the distance between the TV and your 3D glasses is less than 19.68 feet (6m) in a straight line.➤ Check the 3D function settings of your TV.
The LED keeps blinking	<ul style="list-style-type: none">➤ The battery is dead. Replace the battery.

Specifications (Model Number: SSG-5100GB)

Optics	Shutters	Liquid crystal	Transmittance	37±2%
	Recommended viewing distance	2 ~ 6m (6.5 to 19.68 ft)	Field Rate	120 fields/s
Weight	Glasses	20.7g (including the battery: 23±0.5g)		
Power	Glasses	One 3V lithium/manganese dioxide battery 3V (CR2025)		
Power Consumption	Glasses	0.85mA (Average)		
	Battery	Type	165mAh, 3.0V (CR2025)	
		Operating time when On	150 hours	
Operating Conditions	Operating Temperature	50 °F ~ 104 °F (10°C ~ 40°C)		
	Custody Temperature	-4 °F ~ 113 °F (-20°C ~ 45°C)		

☞ Product specifications may be changed without notice in order to enhance product performance.

☞ The continuous operating time may differ depending on the wireless communication environment and usage conditions.

Notice**FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

IC Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.