OWNER'S MANUAL

3D GLASSES

Please read this manual carefully before operating and keep it for future reference.

AG-S230
AG-S250
AG-S270
CAUTION

Please read these safety instructions carefully to ensure your personal safety and to prevent damage.

1. If you experience difficulty while viewing 3D images with the 3D glasses, you may have some problems with your eyesight.

   You may experience headaches or fatigue when viewing 3D images through the glasses for too long.

2. If you experience headaches, fatigue, or dizziness, stop watching immediately.

3. Do not drop objects onto the product or import force to the product. This may result in electric shock or fire.

4. Do not use your product near a humidifier or kitchen counter. This may result in electric shock or fire.

5. Do not use the product while charging it! Use the product only after disconnecting the USB cable. Failing to do so may result in fire or electric shock.

6. Do not disassemble, repair or modify the product or its parts. Failing to do so may result in damage to the product or a malfunction.

7. The product may be easily taken off after putting on for some people.

8. The following people should not use this product: Pregnant women, infirm persons, persons with heart issues, as well as persons that become nauseous easily. People with these conditions should not use this product.

9. When watching 3D video, do not place anything nearby that can be easily broken. You may mistake a 3D image for an actual object and move your body, causing you to break nearby objects and hurt yourself.

10. Use this product for watching 3D video only. Do not use it for any other purpose. Do not use the 3D Glasses as sunglasses or reading glasses.

11. Do not spray cleaner directly onto the surface of the product. This may result in discoloration and cracks and may cause the screen display to peel off.

12. Do not let water come into contact with the product when cleaning it. Ensure that water does not enter the product. This may result in electric shock or fire.

13. Since the lens of the product is easily scratched, make sure to clean the product with a soft cloth. As the product may be scratched if there is any foreign material on the cloth, make sure to shake off any dust before using it.

14. Do not scratch the surface of the Liquid crystal shutters with a sharp tool and do not clean it using chemicals.

15. Do not apply force to the liquid crystal shutter. Do not drop or bend the product.

16. When watching 3D video, ensure that you are viewing the video within the specified receiving range. (For more information, refer to the specifications in this manual) If the receiving range is out of the specified range, the screen may not be viewable as 3D video.

17. Flickering may be generated by the 3D glasses (60 Hz) when watching the 3D screen when a magnetic fluorescent lamp (50 Hz) is on. If you encounter this symptom, please turn off the light and continue watching.
FEATURES

- AG-S230/S250/S270 are 3D glasses using RF (2.4GHz) wireless communication.
- Realistic 3D video can be viewed by connecting to TV supporting 3D function.
- You can enjoy movies or pictures made as 3D.

ACCESSORIES

- 3D Glasses
- 8-pin mini USB cable
- Manual CD
- Quick Start Guide
- Pouches

NOTE  ▶ The accessories represented in this manual may differ from the actual appearances.

PART NAMES

AG-S230 (For Children)  
AG-S250 (For Adults)  
AG-S270 (Made of Metal)

USING 3D GLASSES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Button Operation</th>
<th>LED Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power On</td>
<td>Press the Power button once.</td>
<td>The red LED blinks once.</td>
</tr>
<tr>
<td>Power Off</td>
<td>Press and hold down the Power button (2 second ~ 3 second)</td>
<td>The red LED blinks three times.</td>
</tr>
<tr>
<td>Auto Off*¹</td>
<td>The power is automatically turned off if no signal is transmitted for 1 minute. It is turned off after no user movement for 10 min.</td>
<td>The red LED blinks three times.</td>
</tr>
<tr>
<td>Battery (Lithium polymer)</td>
<td>-</td>
<td>If the battery is discharged, the LED blinks for 1 minute and turns off automatically.</td>
</tr>
<tr>
<td>discharge</td>
<td></td>
<td>* When charging is completed, the LED is lit green.</td>
</tr>
<tr>
<td>Automatic Channel Search</td>
<td>Press the power button for at least 8 sec.</td>
<td>After green LED flashes on and off, it is turned off when the search succeeds.</td>
</tr>
</tbody>
</table>

*¹ ▶ The Auto Off function automatically turns the 3D glasses off if it senses no signal from the 3D signal emitter on the TV. A change in the distance or angle from the 3D signal emitter when the user moves can cause the Auto Off feature to activate.
▶ Automatic power off function automatically turns off the power when there is no movement for the continued duration of 10 min. during normal operation.
CHARGING THE GLASSES

1. Connect the USB port located under the power button on the glasses to the USB port of the TV or PC using the supplied 8-pin mini USB cable as shown by the figure.

⚠️ CAUTION ⚠️ Do not insert the supplied 8-pin mini USB cable in the reverse direction. Otherwise, this may cause damage to the product.

2. Charge the glasses until the LED is green. The glasses will fully charge in about 1 hour 50 minutes.

⚠️ NOTE ⚠️ While charging: The LED is red.
- When charging is complete: The LED is green.
- When the battery is discharged: The LED blinks for 1 minute and turns off automatically.

⚠️ CAUTION ⚠️ The 3D glasses do not work while charging them with the USB cable.
- If you use a USB cable other than the one (8-pin mini USB) supplied with the product, the product may be damaged.
- This equipment shall be powered with USB 2.0 or higher.

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem.</th>
<th>Suggestion.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q. The glasses do not work.</td>
<td>A. The battery (Lithium Polymer) may be discharged, charge the battery with the 8-pin mini USB cable.</td>
</tr>
<tr>
<td></td>
<td>A. Check the 3D function settings of your TV.</td>
</tr>
<tr>
<td>Q. The led LED blinks continuously.</td>
<td>A. This occurs when the battery (Lithium Polymer) is discharged. In this case, charge the battery with the supplied 8-pin mini USB cable.</td>
</tr>
<tr>
<td>Q. I charged the glasses with the 8-pin mini USB cable, but it is not charged.</td>
<td>A. Check if the 8-pin mini USB cable is properly connected to the product.</td>
</tr>
</tbody>
</table>
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>AG-S230 / S250</th>
<th>AG-S270</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shutters</td>
<td>Liquid crystal</td>
<td>Liquid crystal</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>Max. 1000:1</td>
<td>Max. 2000:1</td>
</tr>
<tr>
<td>Transmittance</td>
<td>Over 34 %</td>
<td>Over 34 %</td>
</tr>
<tr>
<td>Field Rate</td>
<td>120 fields/s</td>
<td>120 fields/s</td>
</tr>
<tr>
<td>Open Time</td>
<td>Under 2.0 ms</td>
<td>Under 2.0 ms</td>
</tr>
<tr>
<td>Close Time</td>
<td>Under 0.3 ms</td>
<td>Under 0.3 ms</td>
</tr>
<tr>
<td>Weight</td>
<td>About 36 g</td>
<td>About 47 g</td>
</tr>
<tr>
<td>Power Supply</td>
<td>USB Cable: 8-pin mini USB cable</td>
<td>USB Cable: 8-pin mini USB cable</td>
</tr>
<tr>
<td></td>
<td>Battery: 80 mA/h</td>
<td>Battery: 75 mA/h</td>
</tr>
<tr>
<td></td>
<td>Operating time when On: About 40 hours</td>
<td>Operating time when On: About 40 hours</td>
</tr>
<tr>
<td>Operating</td>
<td>0 °C to 40 °C</td>
<td>0 °C to 40 °C</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20 °C to 60 °C</td>
<td>-20 °C to 60 °C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20 °C to 60 °C</td>
<td>-20 °C to 60 °C</td>
</tr>
</tbody>
</table>

☞ The images and specifications presented in this user manual are subject to change without prior notice for quality improvement purposes.

**Class B ITE (Information Technology Equipment)**

This equipment satisfies the EMC requirements and is intended for use in all environments, including the domestic environment.

(Class B ITE produces less electromagnetic emissions than Class A ITE.)

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**English**

**Disposal of your old appliance**

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

**Disposal of waste batteries/accumulators**

1. When this crossed-out wheeled bin symbol is attached to batteries/accumulators of Your product it means they are covered by European Directive 2006/66/EC.
2. This symbol may be combined with chemical symbols for mercury (Hg), cadmium (Cd) or lead (Pb) if the battery contains more than 0.0005% of mercury, 0.002% of cadmium or 0.004% of lead.
3. All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
4. The correct disposal of Your old batteries/accumulators will help to prevent potential negative consequences for the environment, animal and human health.
5. For more detailed information about disposal of Your old batteries/accumulators, please contact Your city office, waste disposal service or the shop where You purchased the product.
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.

Note
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 or more 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.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.