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CASIO Signage
Basic Operation Guide

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CASIO®

Important!

● Before using the product, be sure to read the information in this manual under "Safety Precautions" and "Operating Precautions", and ensure that you always use the product correctly.

● Keep this manual in a safe place for future reference.

● CASIO COMPUTER CO., LTD. shall not be held liable for any loss or lost profits due to any one of the reasons listed below.
 – Accidents due to man-made or natural disaster, earthquake, or any other act of god
 – Loss due to incorrect or improper use of the product
 – Accidents due to improper assembly or handling of the product

● The illustrations shown in this manual may differ somewhat from the actual appearance of the product.

● The contents of this manual are subject to change without notice.

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• Other company and product names may be registered trademarks or trademarks of their respective owners.

SDHC™

Unpacking

The Signage Unit comes with the items listed below.
• Signage Unit
• SD card
• Remote controller (YT-51)
• Test battery (CR2025 × 1, loaded in the remote controller)
• Nickel metal hydride battery (for system backup)
• AC adapter
• Basic Operation Guide (This manual)

• Hex wrench
• Ad sheet (sample)

CASIO Signage User Documentation and Software

For detailed user documentation and downloadable software, visit the CASIO website.

Safety Precautions

■ About the Safety Symbols

Various symbols are used in this User's Guide and on the product itself to ensure safe operation and to prevent injury to you and others, and to prevent physical damage. The meanings of the symbols are explained below.

⚠ Warning	This symbol indicates information that, if ignored when using the product, could possibly create the risk of death or serious personal injury.
⚠ Caution	This symbol indicates information that, if ignored when using the product, creates the risk of personal injury or material damage.

■ Safety Symbol Examples

⚡	△ A triangle indicates something you need to be aware of. The symbol shown here cautions against electric shock.
🚫	⊘ A circle with a line through it indicates something you should not do. An illustration inside of or near this symbol indicates exactly what is prohibited. The symbol shown here means you should not try to take the product apart.
🔌	● A black circle indicates something you should do. An illustration inside of or near this symbol indicates exactly what is required. The symbol shown here means you should unplug the power plug.

⚠ Warning

Do not lean against or climb up on the Signage Unit or screen. Doing so can cause the item to tip over, creating the risk of fire, electric shock, and personal injury.

Be sure to locate the Signage Unit on a flat, stable surface. Locating the Signage Unit on an unstable surface can cause it to fall, creating the risk of fire, electric shock, and personal injury.

Make sure that insects do not get into the Signage Unit case. Insects inside the case can cause malfunction.

● **Fire, odor, heat generation, and other abnormalities**

Should you ever notice fire, strange odor, or any other abnormality, immediately stop using the Signage Unit. Continued use creates the risk of fire and electric shock. Immediately perform the steps below.

1. Unplug the power plug.
2. Request servicing and repair from your original dealer or authorized CASIO service center.

● **Do not use a malfunctioning product**

Immediately stop using the Signage Unit if the screen appears abnormal, or if any other abnormal operation occurs even though you are operating the Signage Unit correctly. Continued use creates the risk of fire and electric shock. Immediately perform the steps below.

1. Turn off power.
2. Unplug the power plug.
3. Request servicing and repair from your original dealer or authorized CASIO service center.

● **Battery**

Misuse of batteries can cause them to leak and stain the area around them, or to explode, creating the risk of fire and personal injury. Make sure that you always observe the following precautions.

• Never try to take batteries apart and do not allow them to become shorted.
• Never expose batteries to heat or throw them into fire.
• Never try to charge batteries.

• Take care that the battery is oriented correctly when you load it.

● **Button batteries**

• Keep button batteries out of the reach of small children to make sure they are not swallowed accidentally. Should a button battery ever be swallowed, contact a physician immediately.

● **AC adapter**

Misuse of the AC adapter creates the risk of fire and electric shock. Make sure that you always observe the precautions below.
- Make sure that you use a power source with the same voltage as that specified for the AC adapter.
- Use only the power cord that comes with the Signage Unit.
- Use only the AC adapter that comes with the Signage Unit.

- Do not use the power cord that comes with the Signage Unit to power another device.
- Do not use the AC adapter that comes with the Signage Unit to power another device.
- Do not overload a single electrical outlet with too many devices.

Misuse of the AC adapter can damage it and create the risk of fire and electric shock. Make sure that you always observe the precautions below.

- Never place heavy objects on the AC adapter and never expose it to heat.
- Never try to modify the AC adapter or subject it to excessive bending.
- Do not twist the power cord or pull on it.

- Should the power cord become damaged, Contact your original dealer or authorized CASIO service center.

Never touch the AC adapter while your hands are wet. Doing so creates the risk of electric shock.

Never use the AC adapter while it is wet. Water creates the risk of fire and electric shock.

Never place a vase or any other container of liquid on top of the AC adapter. Water creates the risk of fire and electric shock.

● **Water and foreign matter**

Never allow the Signage Unit to become wet. Water creates the risk of fire and electric shock.

Never place a vase or any other container of water on top of the Signage Unit. Water creates the risk of fire and electric shock.

Water or other liquid, or foreign matter (metal, etc.) getting into the Signage Unit creates the risk of fire and electric shock. If the Signage Unit becomes wet, immediately perform the steps below.

1. Turn off power.
2. Unplug the power plug.
3. Request servicing and repair from your original dealer or authorized CASIO service center.

⚠ Caution

● **AC adapter**

Misuse of the AC adapter creates the risk of fire and electric shock. Make sure that you always observe the precautions below.
- Insert the plug into the power outlet as far as it will go.
- After use unplug the power plug from the power outlet.
- Unplug the power plug from the power outlet before going on a trip or if you do not plan to use the Signage Unit for a long time.
- At least once a year, unplug the power plug and use a dry cloth or vacuum cleaner to clear dust from the area around its prongs.

- Do not use the AC adapter while it is covered with a blanket, or located next to a heating device. Such conditions can interfere with heat radiation, and cause local heat build up.
- When unplugging the power cord, always grasp the plug, and do not pull on the power cord.
- Never use detergent to clean the power cord, especially the power plug and jack.

● **Battery**

Misuse of batteries can cause them to leak and stain the area around them, or to explode, creating the risk of fire and personal injury. Make sure that you always observe the following precaution.

- Use only the battery type specified for the remote controller.

- Remove the battery from the remote controller as soon as possible after it goes dead.
- Remove the battery from the remote controller if you do not plan to use it for a long time.

● **Disposing of batteries**

Make sure that you dispose of used batteries in accordance with the rules and regulations in your local area.

● **Cleaning the interior of the Signage Unit**

Allowing dust to build up inside the Signage Unit by not cleaning it for long periods creates the risk of fire and accident, and can cause loss of projection luminosity. Periodically clean the interior of the Signage Unit.

Laser Precautions

The projector built into the Signage Unit is a Class 1 laser device that conforms to IEC 60825-1.
The Signage Unit has a built-in laser module. Disassembly or modification is very dangerous and should never be attempted.

Operating Precautions

● Do not use or store the Signage Unit in any one of the locations described below. Such locations create the risk of malfunction of and damage to the Signage Unit.
- Locations exposed to direct sunlight
- Outdoors or locations where there are large amounts of dust
- Locations subjected to large amounts of oil smoke or other smoke
- Locations subjected to vibration
- Near water (fountains, etc.) or other locations where there is risk of wetting
- Near heating equipment or other sources of high temperatures
- Near shop entrances or stairways
● Note the precautions below when selecting a location for the Signage Unit.
- Avoid locations where the Signage Unit could be tripped over or otherwise interfere with foot traffic.
- When routing cables, take care to select locations where there is no chance of their being tripped over.
- Take care to locate the Signage Unit and screen where individuals (especially children) cannot touch them or hang from them.
● Do not look directly into the light emitted from the Signage Unit.
● Should you ever notice a component has dropped out of the Signage Unit, immediately stop using it and contact your original dealer or authorized CASIO service center.
● Should you ever notice breaks or cracks in the screen, immediately stop using it and contact your original dealer or authorized CASIO service center.
● Use under high ambient temperature or in environments subjected to large amounts of dust, oil smoke, tobacco smoke, or other types of smoke can shorten the replacement cycles and require more frequent replacement of the optical engine and other components. Note that you are charged for such replacement. For details about replacement cycles and fees, contact an authorized CASIO service center.
● Ensure that the remote control signal receiver is not exposed fluorescent light, sunlight, or other strong light. Strong light can cause malfunction.
● When projecting, adjust the position of the screen so that width of black space surrounding the projected image in the screen becomes even.
● When cleaning the unit, always use a soft and dry cloth. Do not use a wet cloth or solvent.

Getting Ready

■ Location Precautions

● Use an electrical outlet near the Signage Unit. Always use the Signage unit so that the power cord can be easily unplugged.

● Be sure to keep all surrounding objects at least 30cm (11.8 inches) from the Signage Unit. Particular care is required to keep objects away from the intake and exhaust vents on either side of the Signage Unit.

● Airflow from air conditioning equipment redirecting heat being exhausted from the area around the Signage Unit lens can cause heat ripples to appear in the projected image. If this happens, adjust the airflow of the air conditioning equipment or move the Signage Unit.

● Do not use or store the Signage Unit in any one of the locations described below.
  – On or near any device that generates heat (household appliances, computers, etc.)
  – On any surface that is not firm and stable (on top of soft material, etc.)

■ To use the Signage Unit on a network

Visit the CASIO website for information about using the Signage Unit on a network.

■ Ad Sticker

The illustration below shows the location on the Signage Unit where you can affix a sticker* for an ad, etc.

* The Signage Unit does not come with stickers. For more information, visit the CASIO website.

Ad sticker
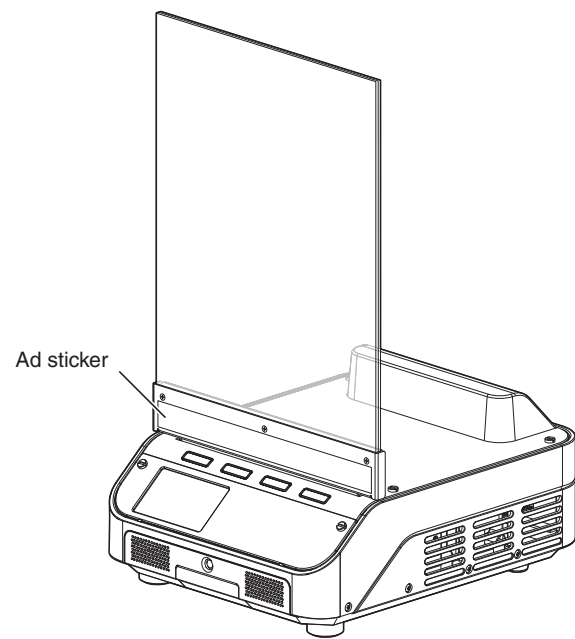
■ To prepare the Signage Unit for first use

1. **Install the provided nickel metal hydride (Ni-MH) battery into the Signage Unit.**

(1) Stand the Signage Unit up on its side.
(2) Loosen the two battery cover screws on the bottom of the Signage Unit and then remove the cover.

Connector

Screws

Slots   Battery cover
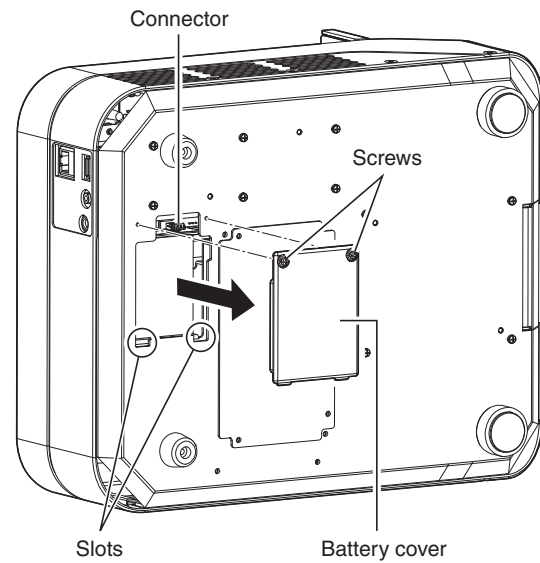
(3) Remove the protective paper from the adhesive surface inside the battery cover.
(4) Orienting the cable of the Ni-MH battery so it can exit through the slot provided on the battery cover, affix the side of the battery to the adhesive surface inside the battery cover.
  • Press down firmly on the battery to ensure that it is secured on the adhesive surface.


Battery cover (inside surface)

Slot

Plug

Cable

Adhesive surface
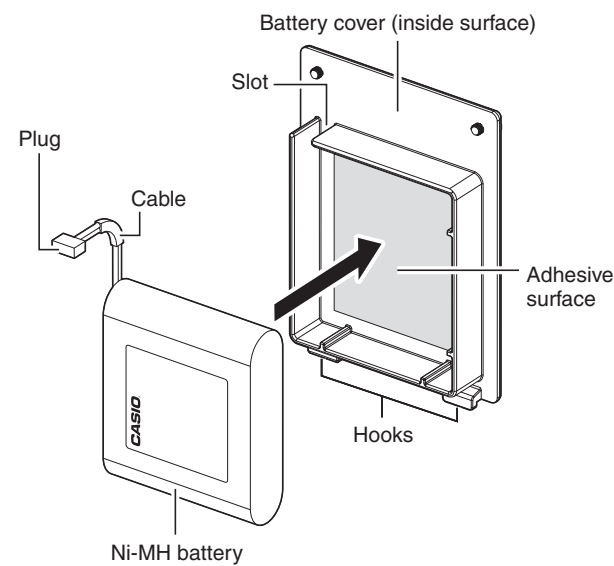
Hooks

Ni-MH battery

(5) Insert the Ni-MH battery's plug into the Signage Unit's connector.
(6) Insert the two hooks of the battery cover into the cover slots, attach the battery cover, and then tighten the two screws to secure it in place.

2. **Lay the Signage Unit back down in its normal position, and place it on a firm level surface for use.**

• See "Location Precautions" for information about suitable locations.

3. **Attach the screen to the Signage Unit.**

Screws

Included hex wrench
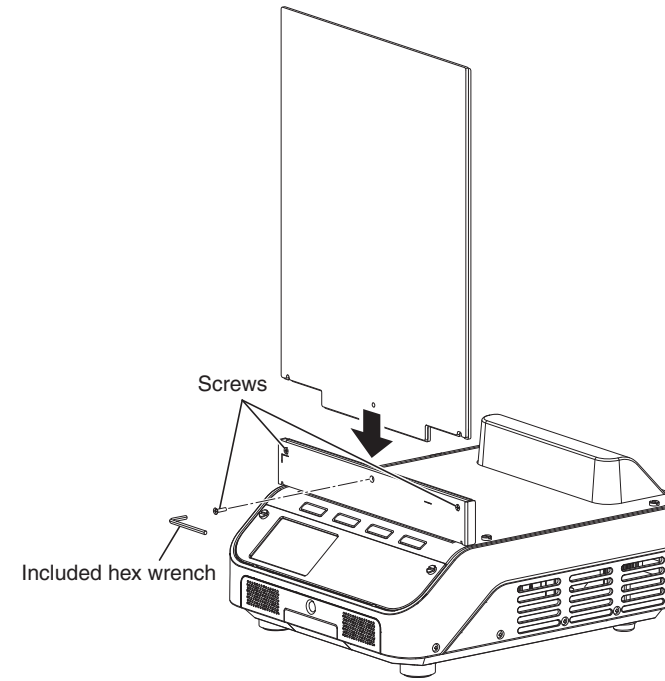
(1) Use the included hex wrench to remove the center screw from the screen support.
  • You do not need to remove the two screws on either side of the screen support.
(2) With the gray surface of the screen facing forward, insert it into the screen support as shown in the illustration.
  • Grasp both sides of the screen as you insert it. Take care not to press down on the screen with excessive force, etc.
(3) Use the hex wrench to tighten the three screen support screws and secure the screen in place.

Important!
Do not turn on the Signage Unit without the screen attached. Doing so creates the risk of strong light from the Signage Unit shining directly into eyes.

4. **If the Signage Unit does not have an SD card loaded, load a card into the card slot.**

• For more information, see "To load an SD card".

5. **Use a LAN cable to connect the Signage Unit to a network.**

6. **Use the supplied AC adapter to connect the Signage Unit to an AC outlet.**

• This will automatically turn on the Signage Unit and display the startup screen on the touch panel.
• If the Signage Unit's time and date settings have already been configured, advance to step 8.
• If time and date settings need to be configured, display the date setting screen on the touch panel. Advance to step 7.

**7.** **Use the touch panel to configure date and time settings.**

(1) On the date setting screen, specify the current year, month, and day, and then tap [Set].
(2) On the time setting screen that appears, specify the current hour and minute and then tap [Set].

8. **Wait until the "Play Mode" screen appears on the touch panel.**

• Content will automatically start playing after the "Play Mode" screen appears.
• For information about supported button operations during content play, see the "CASIO Signage User's Guide".

9. **After you are finished using the Signage Unit, perform the steps below to turn it off.**

(1) Hold down the power button until a menu like the one shown below appears on the touch panel.

Power off
Navigate home
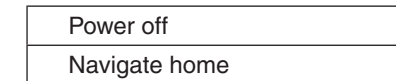
(2) On the menu, tap [Power off].
(3) On the confirmation dialog box that appears, tap [OK].

Note
It may take some time for auto play of content starts after the Signage Unit is turned on. How much time it takes depends on the network where the Signage Unit is connected, the current Signage Unit setup, the volume of new data (when updated data is downloaded automatically over the network), and other factors.

■ To load an SD card

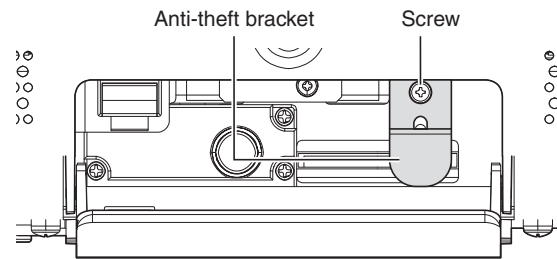**1.** **Turn off the Signage Unit and unplug its AC adapter from the power outlet.**

2. **Find the small cover on the front of the Signage Unit, and press at the point indicated by the arrow, below.**
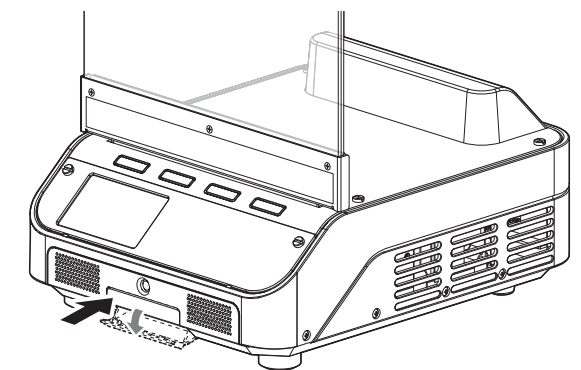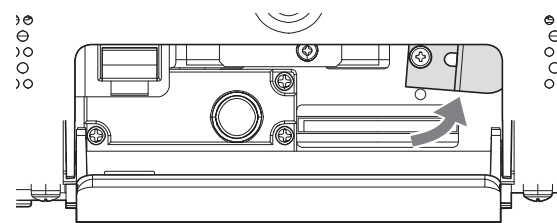
3. **Loosen the anti-theft bracket screw three turns.**
- Take care not to loosen the anti-theft bracket screw too much (to the point that the bracket detaches).

Anti-theft bracket   Screw

4. **After loosening the screw, rotate the anti-theft bracket out of the way.**

5. **Load an SD card into the SD card slot that appears after the anti-theft bracket is rotated.**

6. **Return the bracket to its original position and then tighten the screw.**

7. **Close the cover.**

Normal Operation

■ To turn on the Signage Unit

Perform either of the operations below.
- If the Signage Unit is already connected to a power supply, press the power button on the front of the Signage Unit.
- If the Signage Unit is not connected to a power supply, plug its AC adapter into a power outlet.

Turning on the Signage Unit will display a startup screen on the touch panel. The startup screen indicates that the Signage Unit is performing internal processes required to start content play. The "Play Mode" screen will appear on the touch panel and content play will start automatically after the internal processes are complete.

■ To turn off the Signage Unit

1. **Hold down the power button until a menu appears on the touch panel.**

2. **On the menu, tap [Power off].**

3. **On the confirmation dialog box that appears, tap [OK].**

■ Removing and Attaching the Ad Panel

You can remove the transparent ad panel on the front of the Signage Unit to insert a printed ad sheet* underneath it.

* You can use the sample ad sheet that comes with the Signage Unit as a trial. For more information, visit the CASIO website.

Ad panel
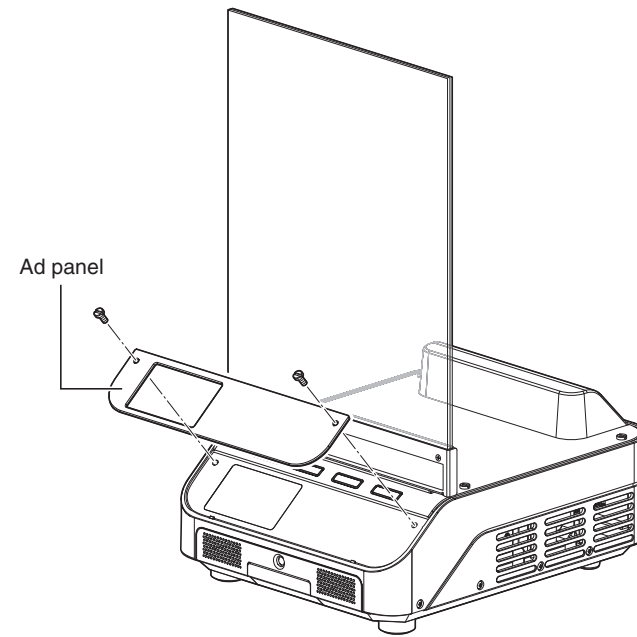
Cleaning

The intake and exhaust vents of the Signage Unit are prone to dust buildup. Use a vacuum cleaner to periodically clean the vents and keep them clear of dust. Continued use of the Signage Unit after dust has accumulated around the intake and/or exhaust vents can cause excessive heat build up inside the case and lead to malfunction.

■ To clean the Signage Unit

1. **Turn off the Signage Unit and unplug its AC adapter from the power outlet.**

2. **Remove the screws that secure the screen, ad panel, and top plate, and then remove each of the items from the Signage Unit.**

3. **Use a vacuum cleaner to clean dirt and dust from inside the Signage Unit case.**

4. **Use a vacuum cleaner to clean dirt and dust from intake and exhaust vents.**

5. **Replace the top plate, ad panel, and screen to their original positions, and then secure them with their screws.**

Main Specifications

Environment	Operating Temperature: 5 to 35°C (41 to 95°F) Operating Humidity: 20 to 80% (non-condensation) Operating Altitude: 0 to 2,000 meters (0 to 6,500 feet) above sea level
Power	Requirements AC 100V-230V 50/60Hz (AC adapter : DC 19V 4.74A)
Approximate Dimensions	286 (W) × 350 (D) × 110 (H) mm (11.3" × 13.8" × 4.3") except screen and projection
Weight	8.5 kg (18.7 lbs) or less