SEGA SGG

Game Gear Core System User Manual

Brand: SEGA | Model: SGG

Introduction

The Sega Game Gear is an 8-bit portable game system designed for on-the-go entertainment. It features a vibrant 160x144 resolution full-color display, offering a rich visual experience for its era. This manual provides essential information for setting up, operating, and maintaining your Game Gear Core System.



Figure 1: The Sega Game Gear Core System, including the console, a carrying case, and the instruction manual.

Setup

Battery Installation

The Game Gear requires six (6) AA batteries for portable operation. To install batteries:

1. Locate the battery compartments on the back of the unit. There are two compartments, each holding three AA batteries.
2. Slide the battery compartment covers open in the direction indicated by the arrows.
3. Insert six fresh AA batteries, ensuring correct polarity (+/-) as marked inside the compartments.
4. Replace the battery compartment covers, sliding them firmly until they click into place.

Note: For extended play or to conserve battery life, an optional AC adapter (sold separately) can be used.



Figure 2: Front view of the Game Gear console, showing the screen, directional pad, and action buttons.

Powering On

Once batteries are installed or the AC adapter is connected, locate the red power switch on the top right side of the unit. Slide the switch to the "ON" position. The power indicator light will illuminate, and the screen will activate.

Operating Your Game Gear

Inserting Game Cartridges

Game cartridges are inserted into the slot located at the top rear of the Game Gear unit.

1. Ensure the Game Gear is turned OFF before inserting or removing cartridges.
2. Hold the game cartridge with the label facing forward (towards the screen side of the Game Gear).
3. Gently slide the cartridge into the slot until it is fully seated. Do not force the cartridge.
4. To remove a cartridge, gently pull it straight out from the slot.

Controls

The Game Gear features intuitive controls for gameplay:

- **Directional Pad (D-Pad):** Located on the left side, used for character movement and menu navigation.
- **Buttons 1 and 2:** Action buttons located on the right side, used for various in-game actions such as jumping, attacking, or confirming selections.
- **Start Button:** Typically used to pause the game, access in-game menus, or begin gameplay.

Audio Adjustment

The Game Gear includes a built-in speaker and a headphone jack for private listening.

- **Volume Dial:** Located on the left side of the unit, slide it up or down to adjust the audio volume.
- **Headphone Jack:** A standard 3.5mm headphone jack is provided for connecting headphones (not included). Inserting headphones will mute the built-in speaker.

Maintenance and Care

Proper care will ensure the longevity of your Game Gear system:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the Game Gear in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the batteries to prevent leakage.
- **Cartridge Care:** Keep game cartridges clean and free of dust. Avoid touching the metal connectors.



Figure 3: The Game Gear console and its accessories, including a power adapter, stored securely within a custom carrying case.

Troubleshooting

If you encounter issues with your Game Gear, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Dead batteries; AC adapter not connected or faulty; Power switch off.	Replace batteries; Ensure AC adapter is securely connected and functional; Slide power switch to "ON".
Screen is Blank or Garbled	Cartridge not inserted correctly; Dirty cartridge connectors; System malfunction.	Turn off unit, reinsert cartridge firmly; Clean cartridge connectors with a cotton swab and rubbing alcohol; If problem persists, contact support.
No Sound or Low Sound	Volume dial too low; Headphones connected; Game issue.	Adjust volume dial; Disconnect headphones if using speaker; Try a different game cartridge.

Technical Specifications

- **Processor:** 8-bit Zilog Z80
- **Display:** 3.2-inch backlit color LCD
- **Resolution:** 160 x 144 pixels
- **Colors:** 4,096 palette, 32 on-screen simultaneously
- **Sound:** Stereo sound (via headphone jack), mono (via built-in speaker)
- **Power:** 6 x AA batteries or AC adapter (DC 9V, 3W)
- **Dimensions:** 8.7 x 4.7 x 1.7 inches (approximate)
- **Weight:** 1.15 pounds (without batteries)
- **Model Number:** SGG
- **Manufacturer:** Sega

Warranty and Support

For specific warranty information and details regarding product support, please refer to the warranty card included with your purchase or visit the official SEGA website. Keep your proof of purchase for any warranty claims.
For further assistance, please contact SEGA customer support through their official channels.