

Decdeal HY607

Decdeal HY607 Smart Thermostat User Manual

Model: HY607 | Brand: Decdeal



1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Decdeal HY607 Smart Thermostat. This device is designed for electric floor heating systems, offering precise temperature control, WiFi connectivity, and voice control capabilities.

Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

2. SAFETY INFORMATION

WARNING: Electrical installation should only be performed by a qualified electrician.

- Ensure the power supply is disconnected before installation or maintenance.
- Verify that the voltage supply matches the thermostat's specifications (AC90-240V).
- Do not install the thermostat in areas with excessive moisture or direct sunlight.
- This device features a child safety lock to prevent accidental adjustments.
- The thermostat is designed for electric floor heating systems only.

3. PRODUCT FEATURES

- **Easy Installation:** Wall-panel design for straightforward setup.
- **Enhanced Safety:** Internal and external sensor design, with child safety lock.
- **Accurate Temperature Control:** High precision up to 0.5°C.
- **Power-Off Memory:** Retains settings after power interruption.
- **Programmable Modes:** Weekly programming (5+2, 6+1, 7 days) and DIY options.

- **Holiday Mode:** Convenient setting for extended periods away.
- **Temporary Manual Mode:** Allows temporary temperature adjustments without altering the programmed schedule.
- **WiFi Connectivity:** Remote control via a smartphone application.
- **Voice Control:** Compatible with voice assistants (specific compatibility may vary).

4. PRODUCT OVERVIEW

The Decdeal HY607 thermostat features a clear LCD digital display and intuitive touch controls for easy operation.



Figure 1: Front view of the Decdeal HY607 Smart Thermostat display.

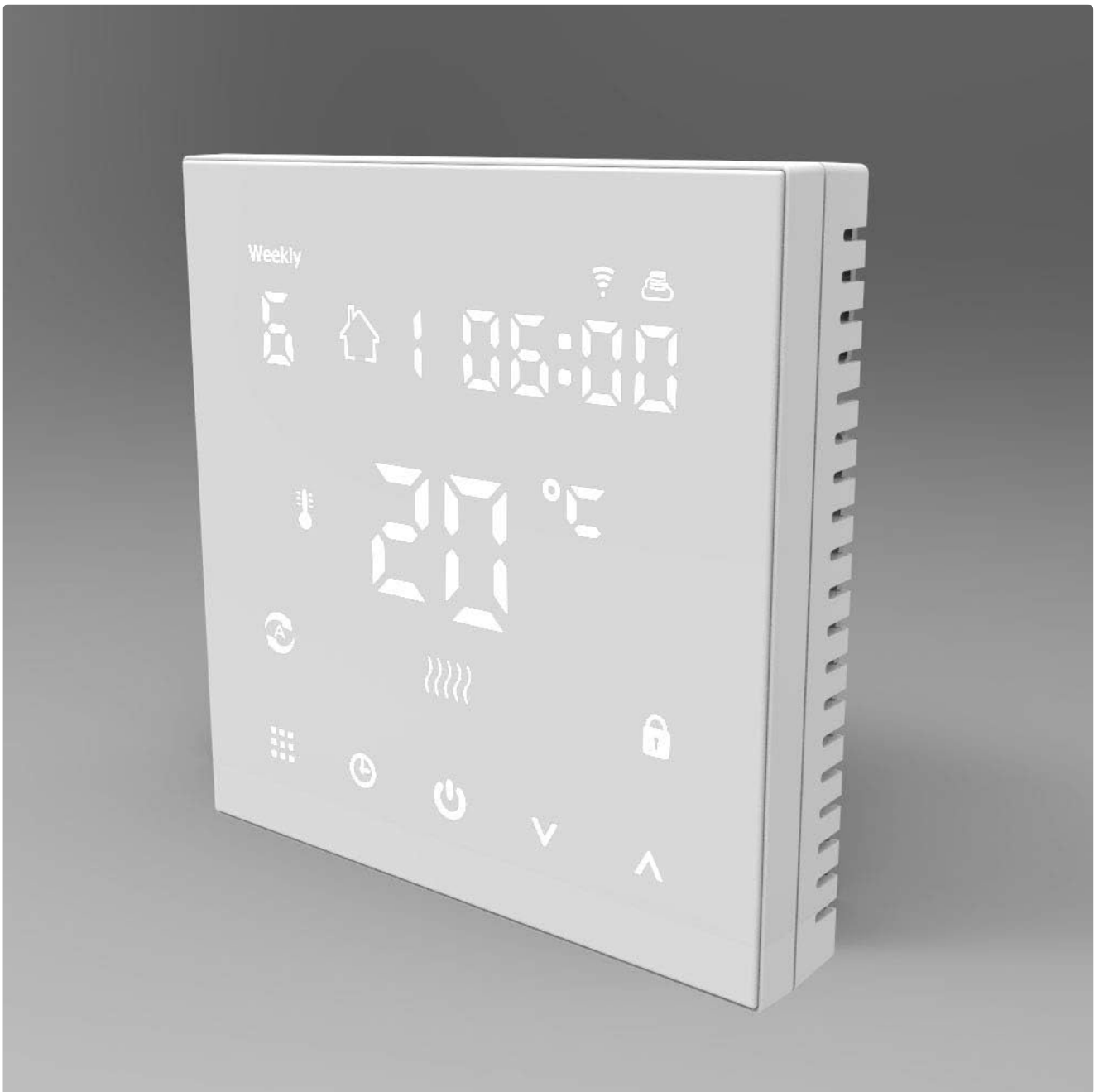


Figure 2: Side view of the Decdeal HY607 Smart Thermostat.

5. INSTALLATION GUIDE

Note: All wiring must be carried out by a qualified electrician and comply with local electrical codes.

1. **Power Disconnection:** Turn off the main power supply to the heating system at the circuit breaker.
2. **Mounting:** The thermostat is designed for wall mounting. Secure the backplate to the wall using appropriate screws and anchors.
3. **Wiring:** Connect the power supply wires and heating element wires to the designated terminals on the thermostat's backplate. Ensure correct polarity and secure connections. If an external sensor is used, connect it to the appropriate terminals.
4. **Attach Thermostat:** Carefully attach the thermostat unit to the mounted backplate, ensuring it clicks securely into place.
5. **Power On:** Restore power to the heating system at the circuit breaker.
6. **Initial Setup:** The thermostat will power on. Follow the on-screen prompts for initial time and date settings.



Figure 3: Example installation of the Decdeed HY607 Smart Thermostat in a room with floor heating.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power Button:** Press to turn the thermostat ON/OFF.
- **Temperature Adjustment:** Use the UP (^) and DOWN (v) arrows to adjust the desired temperature.
- **Mode Selection:** Press the mode button (often represented by a grid icon or similar) to cycle through different operating modes (e.g., Auto, Manual, Holiday).
- **Child Lock:** To activate/deactivate the child lock, press and hold the lock icon for a few seconds. A lock symbol will appear on the display when active.

6.2 Weekly Programming

The thermostat supports weekly programming with three modes: 5+2 days, 6+1 days, and 7 days. This allows you to set different temperature schedules for weekdays and weekends, or customize each day individually.

1. Enter the programming menu by pressing the menu/settings button (often represented by a grid icon).
2. Navigate to the "Weekly Program" or "Schedule" setting.
3. Select your desired programming mode (5+2, 6+1, or 7 days).
4. Set the desired temperature and time periods for each day or group of days. The thermostat typically allows multiple periods per day (e.g., morning, day, evening, night).
5. Save your settings before exiting the programming menu.

6.3 Temporary Manual Mode

While in automatic (programmed) mode, you can temporarily override the current scheduled temperature. Simply adjust the temperature using the UP (^) or DOWN (v) arrows. The thermostat will maintain this new temperature until the next scheduled period begins, at which point it will revert to the programmed schedule.

6.4 Holiday Mode

Holiday mode allows you to set a constant temperature for an extended period, such as when you are away. This helps save energy while preventing the room from getting too cold.

1. Access the holiday mode setting through the menu.
2. Set the desired temperature for the holiday period.
3. Specify the duration of the holiday (number of days).
4. Confirm and activate holiday mode. The thermostat will automatically return to its normal schedule after the set duration.

7. SMART APP CONTROL (WiFi)

The Decdeal HY607 thermostat can be controlled remotely via a smartphone application. This allows you to adjust settings, view current temperatures, and manage schedules from anywhere.

7.1 App Download and Installation

1. Download the "Smart heating" app from Google Play Store (for Android) or Apple App Store (for iOS).
2. Install the app on your smartphone.

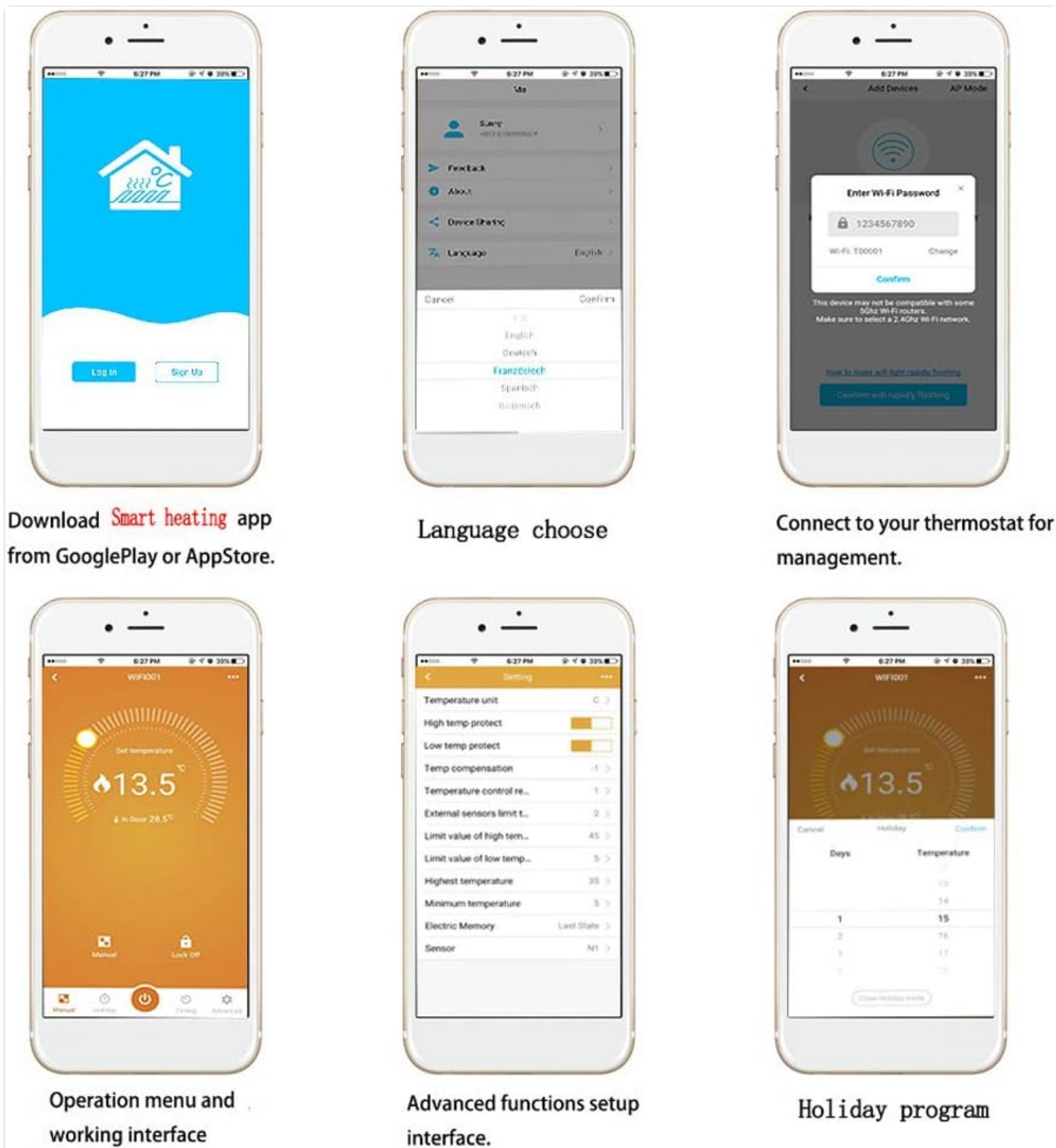


Figure 4: Screenshots of the "Smart heating" mobile application interface.

7.2 Connecting to WiFi

1. Ensure your thermostat is powered on and within range of your WiFi router.
2. Open the "Smart heating" app and create an account or log in.
3. Follow the in-app instructions to add a new device. This typically involves putting the thermostat into pairing mode (refer to the thermostat's display for WiFi icon or pairing instructions).
4. Select your home WiFi network and enter the password when prompted in the app.
5. Once connected, the WiFi icon on the thermostat display will become solid.

After successful connection, you can use the app to control all thermostat functions, including setting schedules, adjusting temperatures, and activating holiday mode.

8. MAINTENANCE

- **Cleaning:** Wipe the thermostat's display and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Periodically check the mobile application for any available firmware updates for your thermostat to ensure optimal performance and new features.
- **Sensor Check:** Ensure the external temperature sensor (if used) is clean and free from obstructions for accurate readings.

9. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|-----------------------------------|---|---|
| Thermostat not powering on. | No power supply; incorrect wiring. | Check circuit breaker. Verify wiring connections (consult a qualified electrician). |
| Heating system not responding. | Incorrect wiring; thermostat in OFF mode; temperature setting too low. | Ensure thermostat is ON. Increase target temperature. Check wiring. |
| WiFi connection failure. | Incorrect WiFi password; thermostat too far from router; router issues. | Re-enter WiFi password. Move thermostat closer to router. Restart router. Ensure 2.4GHz WiFi network is used. |
| Inaccurate temperature readings. | Sensor obstruction; faulty sensor. | Ensure sensors are clear. If problem persists, contact support. |
| Child lock cannot be deactivated. | Not holding the button long enough. | Press and hold the lock icon for several seconds until it unlocks. |

10. SPECIFICATIONS

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|-------------------------------------|--------------------|
| Brand | Decdeal |
| Model | HY607 |
| Power Supply | AC90-240V, 50/60Hz |
| Color | White |
| Material | ABS |
| Product Dimensions | 8.6 x 8.6 x 2.7 cm |
| Weight | 250 g |
| Temperature Display Range | 0~40°C |
| Temperature Adjustment Range | 5~35°C |
| Display Accuracy | 0.5°C |

| | |
|--|--|
| Probe Sensor | NTC(10k)1% |
| Running Program | Set per 1 week as a cycle |
| Contact Capacity (Electric Heating) | 16A/250V |
| Output | Switch Relay |
| Working Environment Temperature | 0~90°C |
| Connectivity | WiFi |
| Special Features | Temperature Display, Voice Control, Programmable |

11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product packaging or contact Decdeal customer service directly. Keep your purchase receipt as proof of purchase.

Online Resources: For additional support, FAQs, and the latest information, visit the official Decdeal website or the product support page.

