

## BSEED ST-01

# BSEED WiFi Smart Thermostat ST-01 Instruction Manual

MODEL: ST-01

Brand: BSEED

## PRODUCT OVERVIEW AND KEY FEATURES

The BSEED WiFi Smart Thermostat ST-01 offers advanced climate control for your home, combining energy efficiency with smart technology. It features a user-friendly touch screen interface and remote control capabilities.

- **Flexible Programming & Energy Efficiency:** This WiFi-enabled thermostat includes a 7-day programmable timeline and automatic Home/Away settings. It intelligently adjusts room temperatures to ensure comfort while reducing HVAC energy consumption.
- **Digital Control Interface:** The intuitive digital control panel allows for easy temperature and setting adjustments. Features include WiFi auto-reconnection, child safety lock, fan adjustment, weather updates, and air filter change alerts.
- **Remote and Voice Control:** Manage and monitor your thermostat from anywhere using the Tuya App. It integrates seamlessly with Alexa and Google Home for convenient hands-free voice control.
- **Easy Installation:** Detailed step-by-step online guides and video tutorials facilitate installation in 20 minutes or less. Compatible with most home HVAC systems, a C-wire adapter is included.
- **Package Contents:** The package includes the thermostat unit, C-wire adapter, instruction manual, screws, certificate of conformity, and wire labeling stickers.

## SETUP AND INSTALLATION

Before beginning installation, ensure the power to your HVAC system is turned off at the circuit breaker to prevent electrical hazards.

1. **Review Existing Wiring:** Carefully remove your old thermostat's faceplate. Take a clear photo of the wiring connections for reference. Label each wire with the provided stickers according to its terminal.
2. **Mounting the Backplate:** Secure the new thermostat's backplate to the wall using the provided screws. Ensure it is level for proper aesthetic and functional alignment.

3. **Wiring Connections:** Connect the wires from your HVAC system to the corresponding terminals on the new thermostat's backplate. If your system lacks a C-wire, use the included C-wire adapter as detailed in the installation manual. The C-wire is essential for powering the smart thermostat.
4. **Attach Thermostat Faceplate:** Once wiring is complete and secure, attach the BSEED Smart Thermostat faceplate to the mounted backplate.
5. **Restore Power:** Turn the power back on to your HVAC system at the circuit breaker.
6. **Initial Setup:** Follow the on-screen prompts on the thermostat to complete the initial setup, including connecting to your home's Wi-Fi network.

For visual guidance, refer to the detailed step-by-step online guides and video tutorials provided by BSEED.



Image: Diagram illustrating the connection of the C-wire converter to the heat pump control main unit circuit and the C-wire terminal of the thermostat. This is crucial for providing power to the thermostat if an existing C-wire is not present.

## OPERATING INSTRUCTIONS

The BSEED Smart Thermostat offers multiple ways to control your home's climate.

### Using the Digital Touch Screen

- **Temperature Adjustment:** Use the intuitive digital control panel to set your desired temperature.

- **System Mode:** Select between Cool, Heat, or Off modes. The thermostat can also operate in an automatic system mode, switching between cooling and heating ranges without manual intervention.
- **Fan Mode:** Adjust fan settings to On, Auto, or Circulate.
- **Child Safety Lock:** Activate the child safety lock feature to prevent unauthorized changes to settings.
- **Information Display:** The screen displays current indoor/outdoor temperature, humidity, time, and weather updates.

## 4.8" LCD SCREEN DISPLAY

Multiple functions bring you more convenient operation.



Image: A close-up of the 4.8-inch LCD screen display of the BSEED Smart Thermostat, highlighting various functions like indoor/outdoor temperature, system mode, fan mode, menu, time, weather, and touch buttons for navigation.

### Remote Control via Tuya App

Download the Tuya App on your smartphone to manage and monitor your thermostat from anywhere.

- **Remote Temperature Control:** Adjust settings, change modes, and monitor temperatures remotely.
- **7-Day Programmable Timeline:** Set custom schedules for heating and cooling throughout the week.
- **Holiday Mode:** Utilize the Holiday Mode setting to adjust temperatures for extended periods when you are away, optimizing energy savings.
- **Auto Home/Away Settings:** The app supports automatic adjustments based on your presence.

# APP/VOICE CONTROL

Can achieve third - party voice control and APP remote temperature control

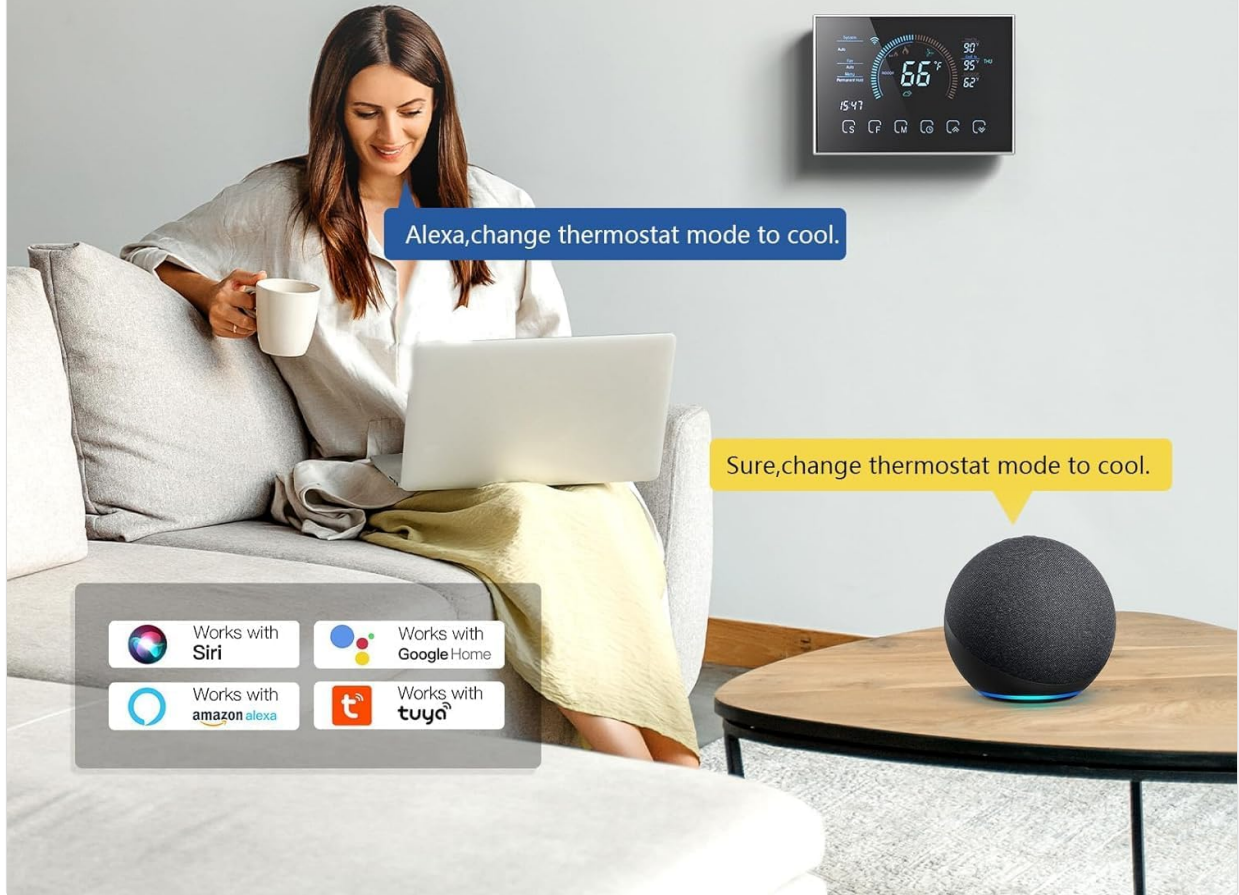


Image: A person interacting with the Tuya App on a smartphone to control the BSEED Smart Thermostat, with an Amazon Alexa device nearby, illustrating remote and voice control capabilities.

## Voice Control Integration

The thermostat works seamlessly with popular voice assistants.

- **Alexa & Google Home:** Connect your thermostat to Alexa or Google Home devices for convenient hands-free voice commands.
- **Siri:** The thermostat is also compatible with Siri for voice control.

## MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your BSEED Smart Thermostat.

- **Air Filter Change Alerts:** The thermostat will provide alerts when it's time to change your air filter, helping to maintain HVAC system efficiency and air quality.
- **Screen Cleaning:** Gently wipe the touch screen with a soft, dry cloth. Avoid abrasive cleaners or harsh chemicals.

## TROUBLESHOOTING



If you encounter issues with your thermostat, try the following basic troubleshooting steps:

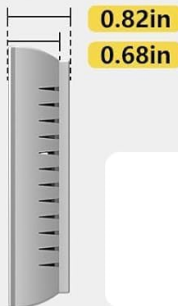
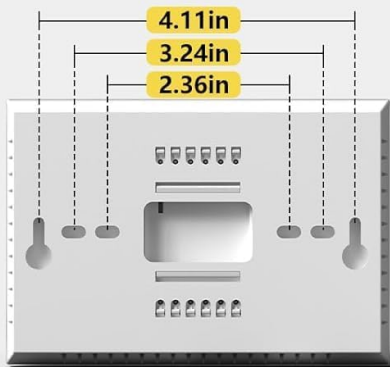
- **No Power/Screen Off:** Check the circuit breaker for your HVAC system. Ensure the C-wire or C-wire adapter is correctly installed and providing power.
- **Wi-Fi Disconnection:** Verify your home Wi-Fi network is active. Attempt to reconnect the thermostat via the Wi-Fi setup menu in the settings or through the Tuya App.
- **Incorrect Temperature Readings:** Ensure the thermostat is not exposed to direct sunlight or drafts, which can affect sensor accuracy.
- **System Not Responding:** Check all wiring connections for looseness or corrosion. Ensure the system mode (Heat/Cool/Off) is correctly selected.
- **App Connectivity Issues:** Ensure your smartphone has an active internet connection and the Tuya App is updated to the latest version.

For further assistance, please contact BSEED customer support.

## SPECIFICATIONS

Detailed technical specifications for the BSEED WiFi Smart Thermostat ST-01.

# SIZE AND PARAMETER INFO



Screen Size: 4.8"
Visible Wall Thickness: 2cm
Surrounding Heat Dissipation Holes: 54
Voltage: 24VDC/AC + 10%
Current: 1A (for inductive relays); 3A (for resistive relays)
Sensor: NTC3950, 10K
Set Temperature Range: 41 - 95°F (5 - 35°C)
Ambient Temperature: 32 - 113°F (0 - 45°C)
Ambient Humidity: 5 - 95%RH (non - condensing)
Storage Temperature: 23 - 113°F (-5 - 45°C)
Time Error: <1%
Power: <1.5W
Shell Material: PC + ABS (anti - resistance)
Installation Method 1: Wall - mounted
Installation Method 2: Hole Spacing 86±3mm
Protection Grade: IP20
Key Type: Capacitive Touch Keys

# PARAMETER

Image: A diagram showing the dimensions and technical parameters of the BSEED Smart Thermostat, including screen size, voltage, current, sensor type, temperature ranges, and installation details.

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Installation Hole Spacing	86±3mm
Protection Grade	IP20
Key Type	Capacitive Touch Keys

## SUPPORT

For any inquiries or technical assistance regarding your BSEED WiFi Smart Thermostat, please do not hesitate to contact us at any time. Our support team is ready to help.