IoTGizmo Corporation

Thermostat User Manual

Thank you for purchasing the iotGizmo Thermostat. This manual provides precautions and economical use of the device. For correct use of iotGizmo Thermostat, please read this manual carefully and keep it at hand for easy reference.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) The device may not cause harmful interference, and (2) it accepts any interference that it receives, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This device 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. **Caution**: This device generates, uses, and can radiate radio frequency energy. If it was not installed or used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If the device is causing harmful interference to radio or television reception -which can be determined by turning the device Off and On-, the user is encouraged to correct the interference by 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.

This equipment complied with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body.

255 Old New Brunswick Rd, N330, Piscataway, NJ 08854 USA.

IotGizmo Thermostat User Manual

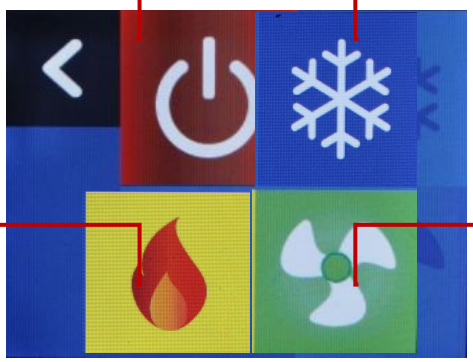
1.0 Main Screen:

Top left hand icon is for navigation into two screen for configuration and operation of iotGizmo Thermostat. The Menu slide shows two options: [MODE] screen and [OPTIONS] screens.

MODE MENU PULL DOWN

OFF

COOL



HEAT

FAN

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MODE Screen

1.1 Mode Screen Operation & Selection of Modes:

In the MODE screen; supported operations are OFF, COOL, HEAT and FAN. OFF will turn system to OFF and the HEAT/COOL will not operate in this mode. COOL mode will turn the system on cooling to cool your home. HEAT mode system will turn on furnace for heating your home. FAN mode will circulate air inside home for 15 minutes by default, and user can set the desired timing.

Note: FAN is automatically controlled by the furnace for COOL/HEAT operations and user does not have to explicitly operate FAN. FAN function is provided to turn on air recirculation if so desired by the user.

1.2 **Options Screen & Initial Configuration of Thermostat:**

Here is the main OPTIONS screen:

OPTIONS Screen

Initially iotGizmo Thermostat needs to be initialized based on the user cooling/heating system. Important items to be configured are:

1.2.1 Wifi Configuration

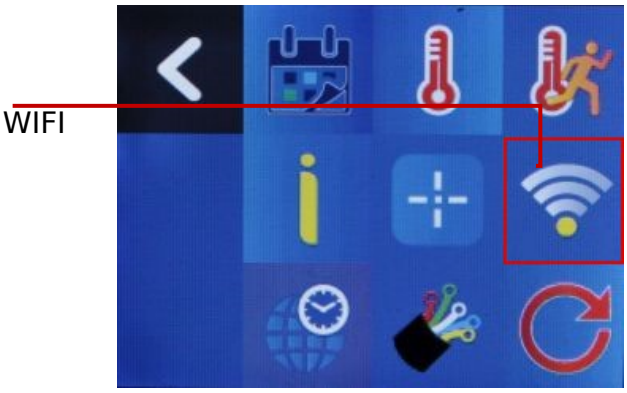
WiFi configuration is done via smart-config utility. Since iotGizmo thermostat does not have keyboard or screen function to input password for your SSID of router. This can be accomplished very easily as follows:

1. Download the iotGizmo application on your smart phone from AppStore/PlayStore [search for iotGizmo] to control iotGizmo Thermostat.

2. Register your account from within the application.

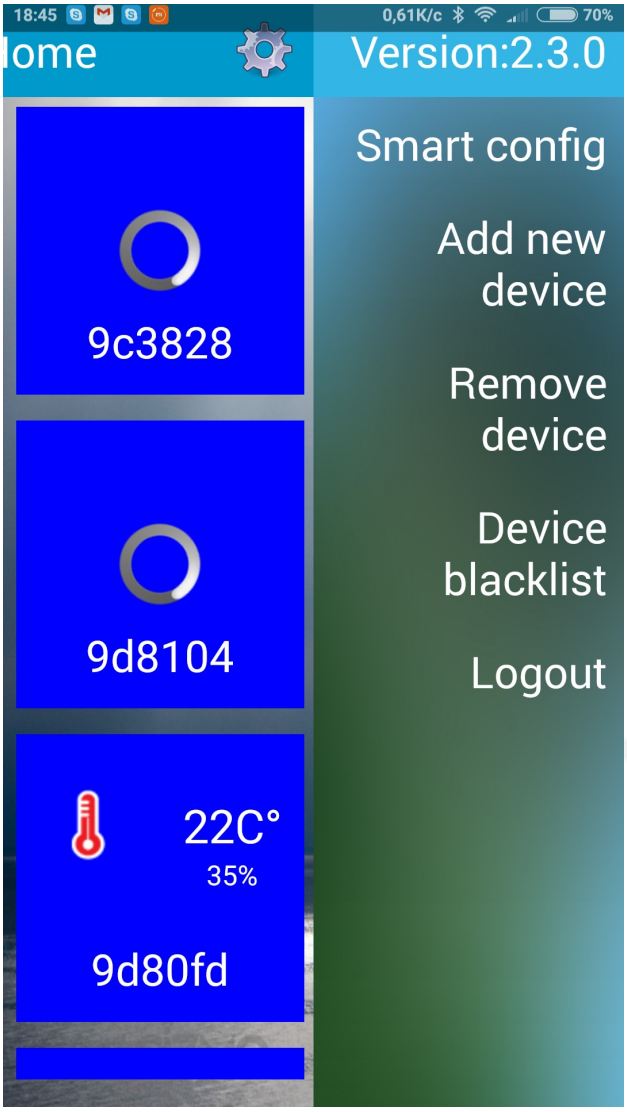
3. Once the user login successfully, follow the next steps to connect the iotGizmo thermostat with your smart phone:

a. Select OPTIONS Screen and tap WIFI icon, and the following screen should appear:

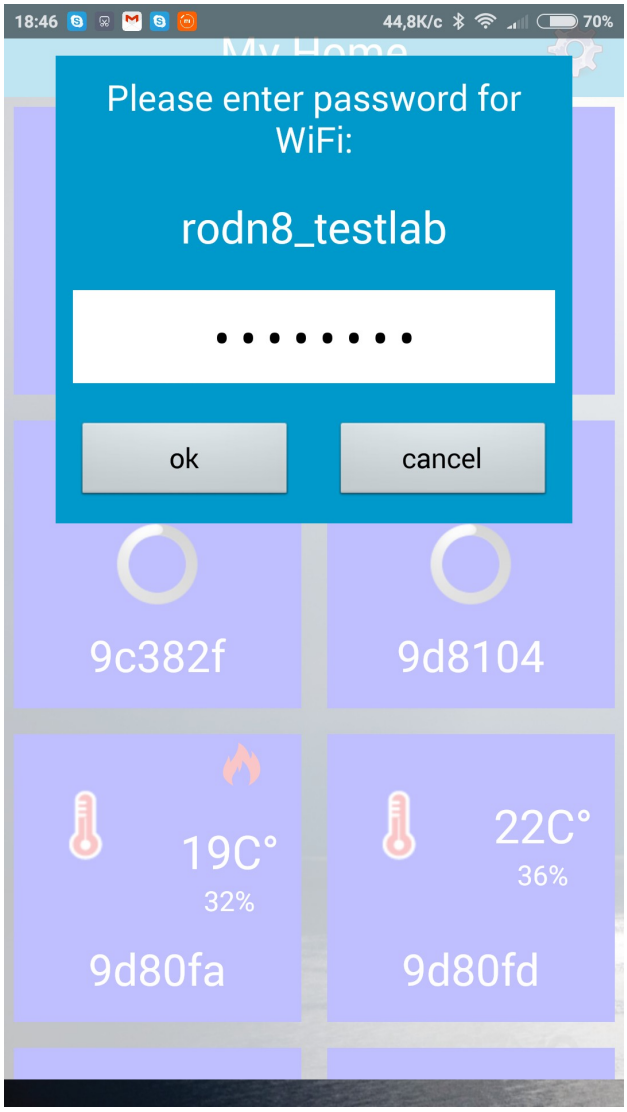


WiFi configuration

b. Open the Smart-Phone application, tap the setup icon and enter your password, then tap 'OK' to perform smart-configuration. In few seconds, a success screen will appear on your smart-phone, and on the thermostat user would see the following screen.



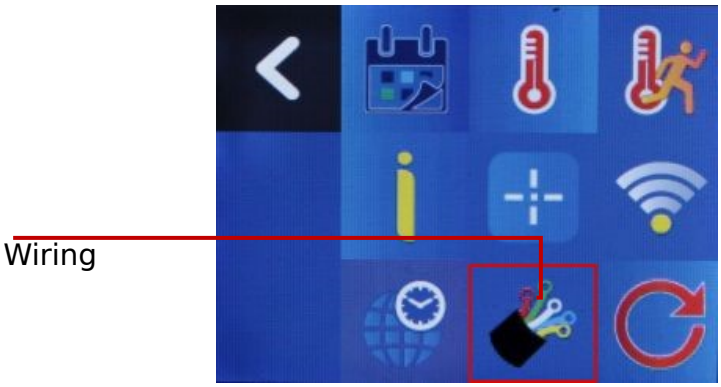
Smartconfig menu item

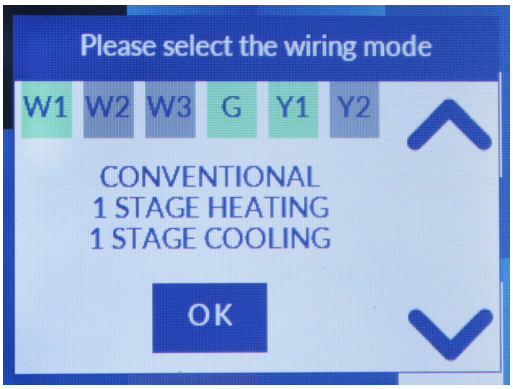


Smartconfig password window

1.2.2 Wiring Configuration

Wiring configuration is automatically detected by the system and sets HEAT/COOL modes based on it. Thermostat program would automatically know your cooling/heating configuration based on the wires connected using replaced/old thermostat wiring scheme.





Wiring configuration

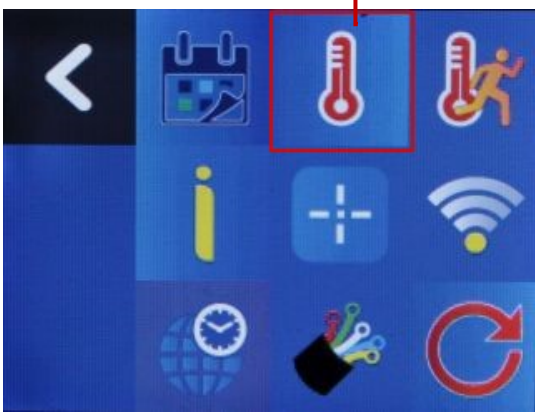
1.2.3 Timezone Configuration

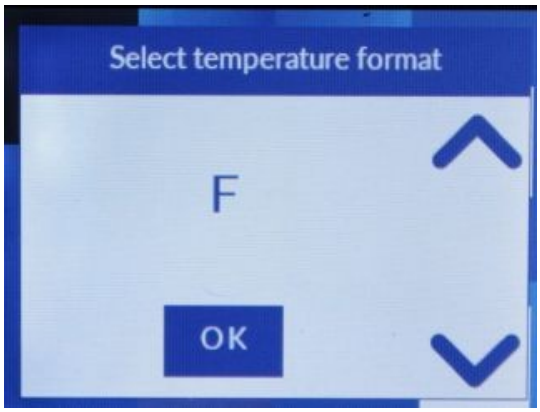
Since iotGizmo thermostat does not have built in RTC or real-time-clock, it depends on NTC time server to obtain proper time. User need to configure timezone of the area. As an example, New York time zone is GMT -5 so user sets -5. In China it is GMT +8. In California it is GMT -8, the user sets -8 in this screen.

Timezone configuration

1.2.4 Setting Temperature: Centigrade/Fahrenheit

Temperature format



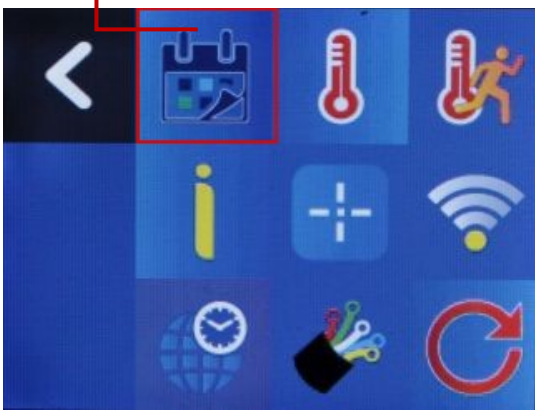


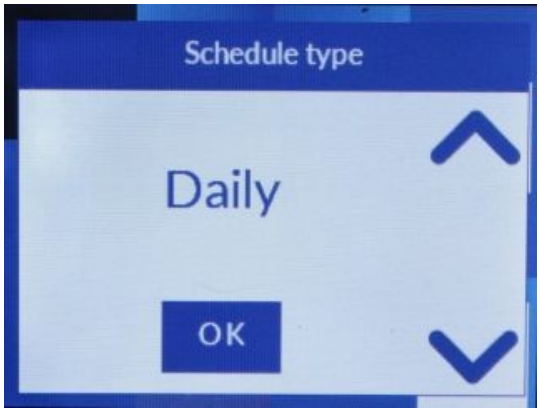
Temperature format configuration

Depending on user's preference, temperature can be set on Fahrenheit or Centigrade as display. In USA preferred is Fahrenheit, and in Canada it is Centigrade.

1.2.5 Setting Schedule-Program Mode:

SCHEDULE





Setting schedule mode

In schedule mode, user can set the heating/cooling cycles based on the preferences. Available program modes are: Daily, Weekly, Away, AutoAway and None.

1.2.6 System information:

System Information illustrates information about the thermostat's firmware, IP-address, cloud setting, etc, as show in this screen:

INFORMATION

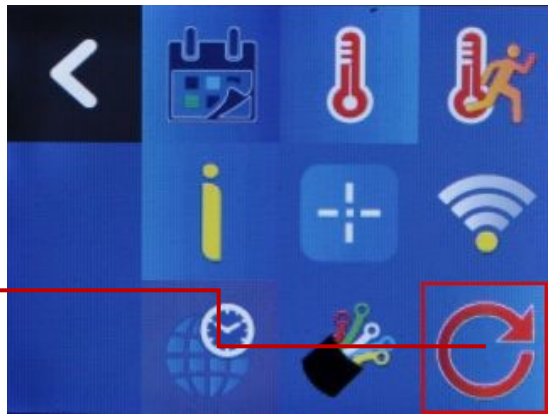
System information

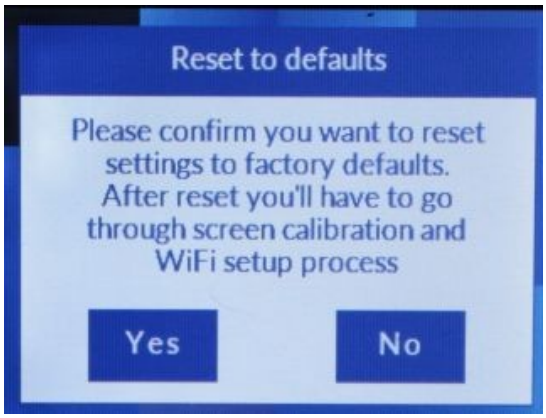
1.2.7 Screen Calibration:

Screen calibration

Most cases not needed...

1.2.8 Device Configuration Reset: Use with caution





System reset

System reset wipes out the current configuration. If the configuration are reset, user needs to reconfigure the device to make this thermostat operational. Use this icon with **caution!**

1.3 Normal Operation of Thermostat:

Once the initial configuration is completed, user will get the main screen and can start operating the thermostat from it.

Normal operation

By this time thermostat is configured for WiFi and Wiring Configuration are done. The Mode of operation and Temperature display option are selected, and timezone is initialized for normal operation.

User can use Smart Application to Control thermostat from this stage onwards/

2. Device Specifications:

Power	24VAC 60Hz
Power consumption	200 mA max
Size	82X82X25 mm (W x H x D)
Mass	220 Grams

3. After Sale Service

- To have the product repaired, have the following information:
  - Address, name, phone number
  - Model
  - Date of installation
  - Circumstances in details of malfunction
- For any question please call or mail to:

  IotGizmo Corporation, 255 Old New Brunswick Rd, N330

  Piscataway, NJ 08854 USA, Ph: +1 732-734-4820
- Repair/Replacement: This device guaranteed for a period of 24 months from the date of purchase.