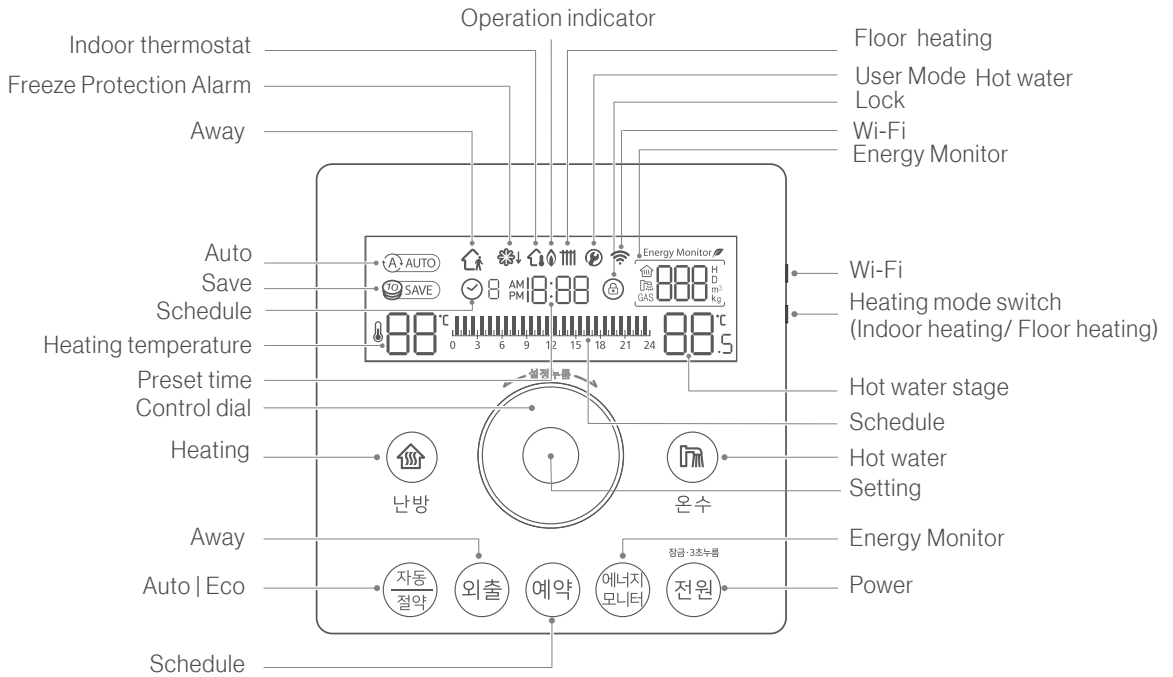# How to use the gas boiler
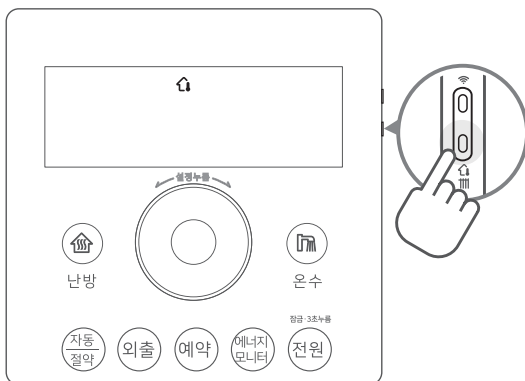
Indoor Thermostat

Operation indicator

Indoor thermostat
Freeze Protection Alarm
Away

Floor heating
User Mode Hot water
Lock
Wi-Fi
Energy Monitor

Auto
Save
Schedule
Heating temperature
Preset time
Control dial
Heating
Away
Auto | Eco
Schedule

Wi-Fi
Heating mode switch
(Indoor heating/ Floor heating)
Hot water stage
Schedule
Hot water
Setting
Energy Monitor
Power

- **Heating Mode**

  [Indoor heating mode] or [floor heating mode] can be selected regarding the environment.

  Upon purchase, the default is the indoor heating mode (⌂).

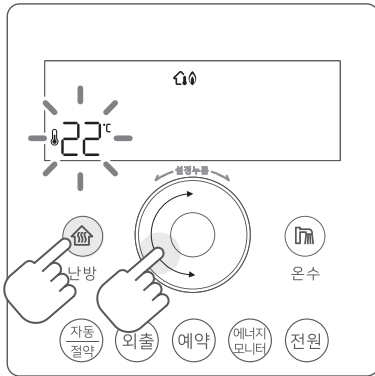 | Indoor heating mode | Floor heating mode |
  |---|---|
  | Indoor temperature sensor detects room temperature and controls the temperature. | Floor temperature sensor detects water temperature from a boiler and controls the floor temperature. |

  1. **When power is on, press the [heating mode switch] button.**

     · (⌂) Indoor heating mode ← → (▥) Floor heating mode can be switched.

Heating / Quick Heat

Heating

1. **When power is on, press the [heating] button to turn on the heating system.**
   - The heating temperature blinks on the LCD.
   - If the heating button is pressed when the system is on, it will be turned off.

2. **Turn the control dial to set your desired temperature.**
   - If the current temperature is lower than the set temperature, the combustion indicator (🔥) on the LCD turns on.
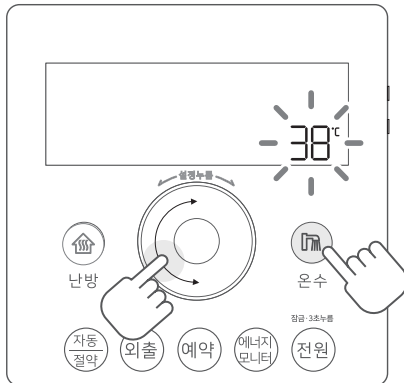
Quick Heat

3 seconds
or more

1. **When power is on, press the [heating] button to turn on the heating system.**

2. **Press and hold the [Heat] button for at least 3 seconds.**
   - Heating is set to the highest temperature, and Start(🔥) flashes on the indoor temperature control LCD display.
   - If the set temperature changes during heating or you press and hold the [Heat] button for at least 3 seconds, Quick Heat is turned off.
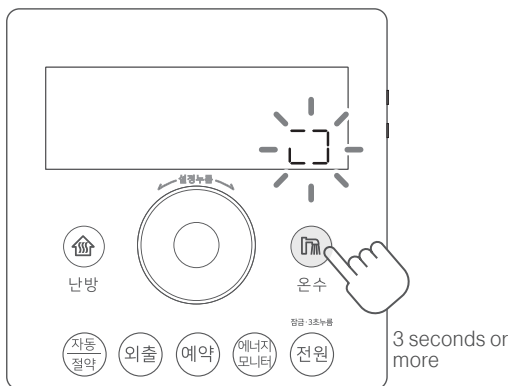
Hot water / Preheat Water

Hot water

1. **When power is on, press the [hot water] button to turn on the hot water system.**

   • The hot water temperature blinks on the LCD.

   • Press the [Hot Water] button while in operation to stop hot water.

2. **Turn the control dial to set your desired temperature.**

   • With heating and hot water both on, press the [Hot Water] button to set your desired temperature when the hot water temperature blinks.

   • You can only change from between 30℃ to 55℃ while hot water is in use. To change to 60℃ , press the Higher button while the hot water tap is off.
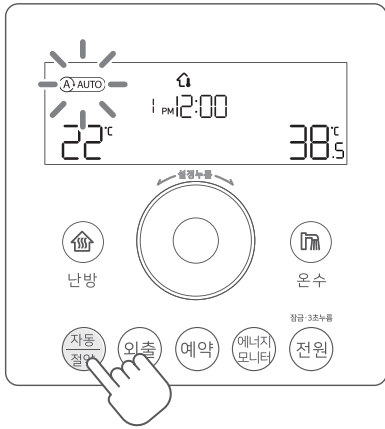
Preheat Water

3 seconds or more

1. **When power is on, press the [hot water] button to turn on the hot water system.**

2. **Press and hold the [Hot Water] button for at least 3 seconds.**

   • The circulation indicator flashes on the hot water temperature display, and preheating begins.

   • Turn on the hot water tap while operating or press and hold the [Hot Water] button for at least 3 seconds to turn off hot water preheating.
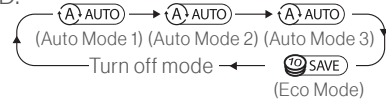
Auto | Eco / Away / Schedule Mode
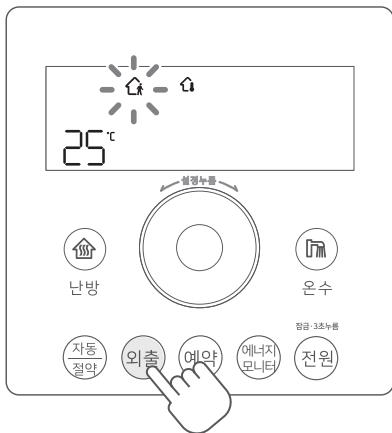
Auto | Eco Mode

1. Press the [Auto | Eco] button while the power is on to select a mode.

- The auto indicator (Ⓐ AUTO) blinks on the LCD.

Ⓐ AUTO → Ⓐ AUTO → Ⓐ AUTO
(Auto Mode 1) (Auto Mode 2) (Auto Mode 3)
Turn off mode ← 🔟 SAVE
(Eco Mode)

- You cannot set the heating temperature or hot water temperature in auto mode.
- Each time the [Auto | Eco] button is pressed, the mode changes.
- When the away button is pressed during the save mode, the save mode turns into the away mode.
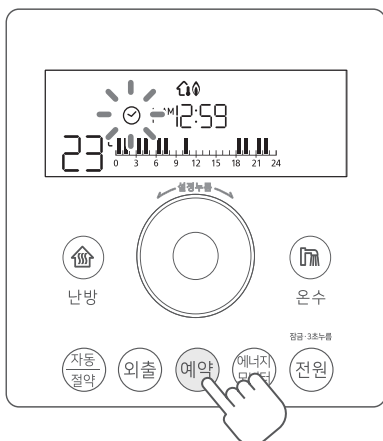- When the save button is pressed during the mode, the save mode will be turned off.

Away mode

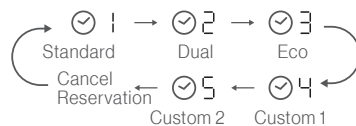## 1. When power is on, press the [away] button to turn on the away mode.

- (🏠) will be displayed.
- The minimum temperature heating system will be turned on every 4 hours to keep the pleasant room temperature.
- If the away or heating button is pressed when the mode is on, the away mode will be turned off.
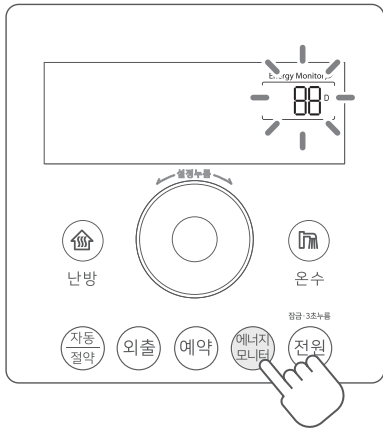
Schedule mode

1. When power is on, press the [schedule] button to preset time.

- (⊘) will be displayed.
- Press the [schedule] button to change the reservation number.

⊘1 → ⊘2 → ⊘3
Standard   Dual   Eco
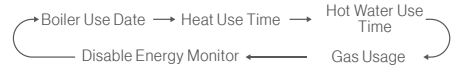Cancel
Reservation ⊘5 ← ⊘4
Custom 2   Custom 1

- Press the [schedule] button while operating to disable reservation mode.
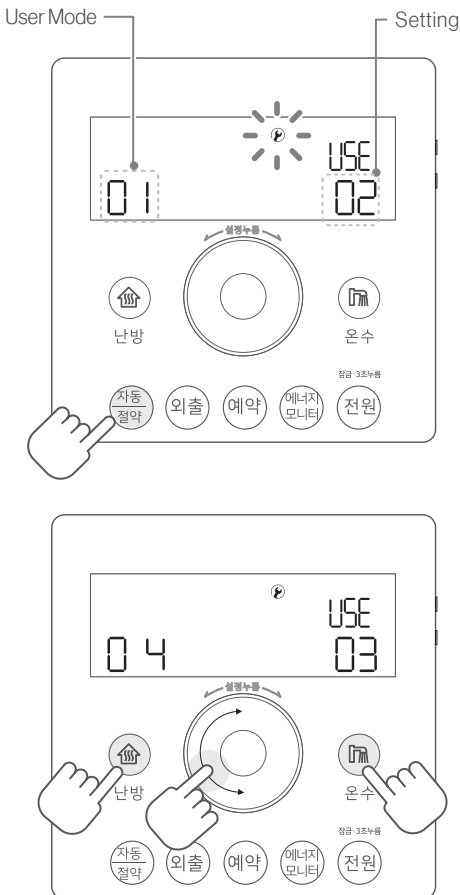
Energy Monitor

1. Press the [Energy Monitor] button while power is off to select your desired item.

- The energy monitor indicator ($\boxed{88}$) on the LCD is on.

- Each time the [Energy Monitor] button is pressed, all energy information changes.

  Boiler Use Date → Heat Use Time → Hot Water Use Time → Gas Usage → Disable Energy Monitor →

- Press and hold the [Energy Monitor] button for at least 3 seconds. ($\boxed{000}$) blinks on the LCD and information is reset.

Control LED brightness / Turn button and notification sounds on or off / Control volume

1. Press and hold the [Auto|Eco] and [Out] buttons for at least 3 seconds while the power is off.

- The service mode indicator (⊘) on the LCD is on.

2. Turn the control dial to select your desired user mode.

- 01 : LED brightness
- 02 : Button sound control
- 03 : Notification sound control (including error notifications and freeze warnings)
- 04 : Voice information volume control (change separately regardless of button and notification sound volume)

3. Press the [Hot Water] button after selecting a feature to set it as you wish.

- 01 : Stage 1
- 02 : Stage 2
- 03 : Stage 3
- 04 : Stage 4
- 05 : Stage 5
- $0n$: On
- $0F$: Off

4. After setup, press the [Heat] button to stop user mode.

Lock Function

3 seconds or more

1. **When power is on, press and hold the [power] button for more than 3 seconds to lock.**

   • The icon (⊕) will be displayed.

   • When the power or heating button is pressed for more than 3 seconds, the lock will be unlocked.

• **Control Display**

❄ **Freeze Protection Alarm**
   It will be displayed when a heating pump is turned on for freeze protection.