

# User interface documentation

## App user interface:

- AC Temperature: Shows the AC's current temperature
- ON: Turns the AC ON
- OFF: Turns the AC OFF
- Plus: Increases the AC's temperature
- Minus: Decreases the AC's temperature
- Increase\_fan\_speed: Increases the fan's speed
- Decrease\_fan\_speed: Decreases the fan's speed
- Cool: Turns on/off cool mode
- Heat: Turns on/off heat mode
- Sleep mode: Turns on/off sleep mode
- Check sleep mode is off: Time determined by the user to check that sleep mode is turned off (if not, it will be turned off automatically)
- Shabbat Shalom: Turns on/off Shabbat Shalom mode
- Shabbat entrance: Time determined by the user to turn the AC ON (in case Shabbat Shalom mode is turned ON)
- Shabbat exit: Time determined by the user Time determined by the user to turn OFF the Shabbat Shalom mode and to return to the usual operations
- PIR Sensor: Shows if motion was detected
- sound level: Shows if sound was detected
- Black iTag Button: Shows if the iTag button was pressed
- Black iTag btn: Shows if the iTag is connected
- Temp: Shows the room's current temperature

## LED strip status:

Every color represents a temperature range and AC mode (cool/heat) as follows:

- Heat:
  - 18°C - 20°C: yellow
  - 21°C - 23°C: Orange
  - 24°C - 26°C: Darker Orange
  - 27°C - 29°C: Red
- Cool:
  - 18°C - 20°C: Blue
  - 21°C - 23°C: Lighter blue
  - 24°C - 26°C: Lighter blue
  - 27°C - 29°C: White

## **Parameters:**

- Parameters in the user interface:
  - AC Temperature: It can be changed. Go to Settings -> Devices & Services -> helpers -> AC Temperature and then you can update the minimum and maximum value  
Note: Change in automations number 5 accordingly (the colors ranges)
  - Check sleep mode is off: It can be updated in the user interface
  - Shabbat entrance: It can be updated in the user interface
  - Shabbat exit: It can be updated in the user interface
- Parameters in the code:
  - ITAG's button mac address: It can be updated. Go to ESPHome -> device -> edit, search for "Replace with the MAC address of your device" in the code and replace the "mac\_address" with your itag's mac address
  - Phone's ip: It can be updated. Go to File editor from the sidebar, click on Browse Filesystem, choose "configuration.yaml" and update the phone's ip number