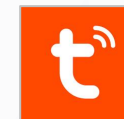
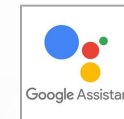




**DURABLOW® SMART HOME SERIES -**  
**SH3001 / SH3001-RH** \*BLUETOOTH + WI-FI **2.4GHZ**  
**FIREPLACE REMOTE CONTROL**

**Supported Control**

- + Smart-Life / TUYA APP
- + Amazon Alexa / Echo
- + Google Home
- + Google Assistant
- + Apple SIRI / Shortcut
- + Samsung SmartThings





## WARNING, REMINDER & LEGAL DISCLAIMER (1/2)

- Read all sections and original manufacturer manual for safety installation before any actions. If you can NOT read or understand these installation instructions, do NOT attempt to install or operate.
- **ONLY** qualified electrician / gas technician with the knowledge of gas appliances and gas valves that are permitted to install this device.
- Any modifications of Durablow remote control system, or parts, or components are **PROHIBITED**. They will void the warranty, and may cause a fire hazard result in human casualties and property damages.
- Do NOT connect any gas valve or electronic module directly to 110-120VAC power.
- Read gas appliance manufacturer's instructions and wiring schematics completely for proper placement of all wires. All electronic modules are to be wired to manufacturer's specifications.
- All wiring diagrams in these instructions are for illustration purpose **ONLY**. Follow instructions from manufacturers of gas valve and electronic module for correct wiring & installation procedures.



## WARNING, REMINDER & LEGAL DISCLAIMER (2/2)

- Improper installation of electric components can cause damage to electronic module, gas valve and device.
- Decide where to install the device before proceeding. This device is designed to be near a power outlet.
- (\*IMPORTANT: Keep away from high-heat of exceeding 130°F . Additional protection is required for no exposure to the hearth).
- Unplugging the control device from power source is strongly recommended if house/location is unattended for a long time.
- Legal disclaimer: Due to different using circumstance, user should take specific advice from qualified technician or professional people before undertaking any action following information included in these instructions above. All users who ignore this disclaimer, misuse, abuse, or install the system improperly are at their own risk.
- The APP's user interface, guideline, & functions may differ from this manual due to the application updates, smart phones, countries, languages, operating systems...etc.



**SMART LIFE APP & ACCOUNT**



1

## DOWNLOAD & INSTALL SMART LIFE or TUYA APP

4



Smart Life



Tuya Smart



Download on the  
**App Store**



GET IT ON  
**Google Play**

Scan QR code, or search "SMART LIFE" or "TUYA"  
in APP Store (iOS), or Google Play (Android). Creat your account, & log in.



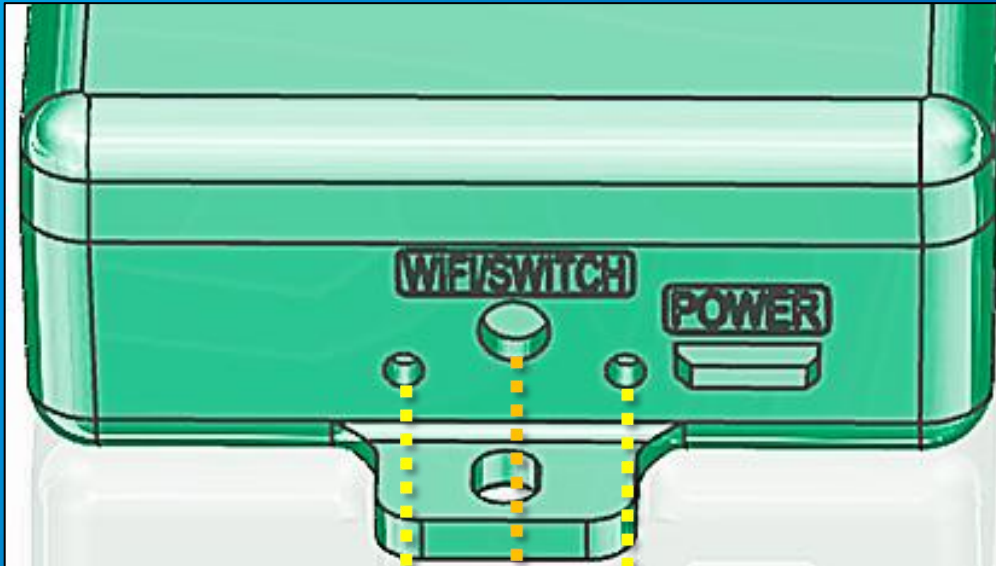
**ADD DEVICE & Wi-Fi SETTING**

# 2

## BUTTONS & INDICATOR LIGHTS

6

Model: SH3001

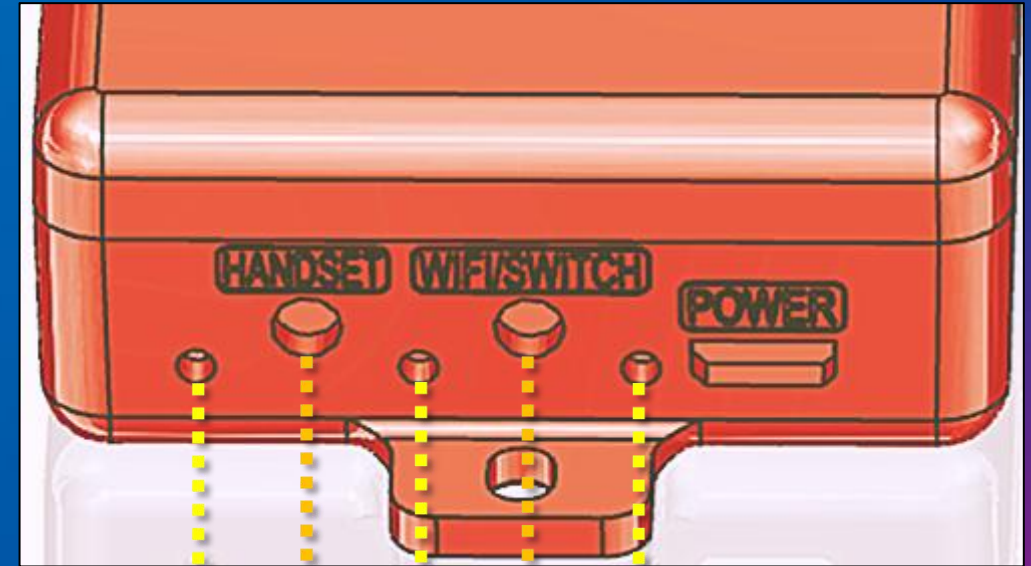


ON/OFF light

WiFi signal light

WiFi / Switch button

Model: SH3001-RH



Handset  
PAIRING  
light

ON/OFF light

WiFi signal light

WiFi / Switch button

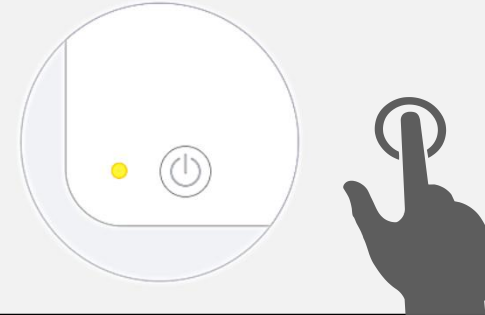
Handset 'LEARN' button

# HOW TO MAKE INDICATOR RAPIDLY BLINK?

For Auto Scan, EZ mode, & Bluetooth mode



1. Unplug from outlet and wait for **10** seconds, and plug in back.



2. Press WiFi button on the device for **5** seconds or longer.



2 Blinks / Sec

3. Release the button once indicator starts blinking (2 blinks per second).

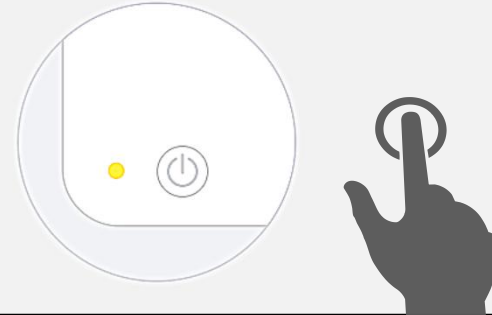


# HOW TO MAKE INDICATOR SLOWLY BLINK?

For AP mode



1. Unplug from outlet and wait for **10** seconds, and plug in back.

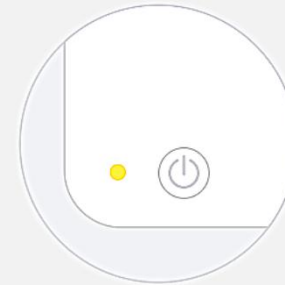


2. Press WiFi button on the device for **5** seconds or longer.



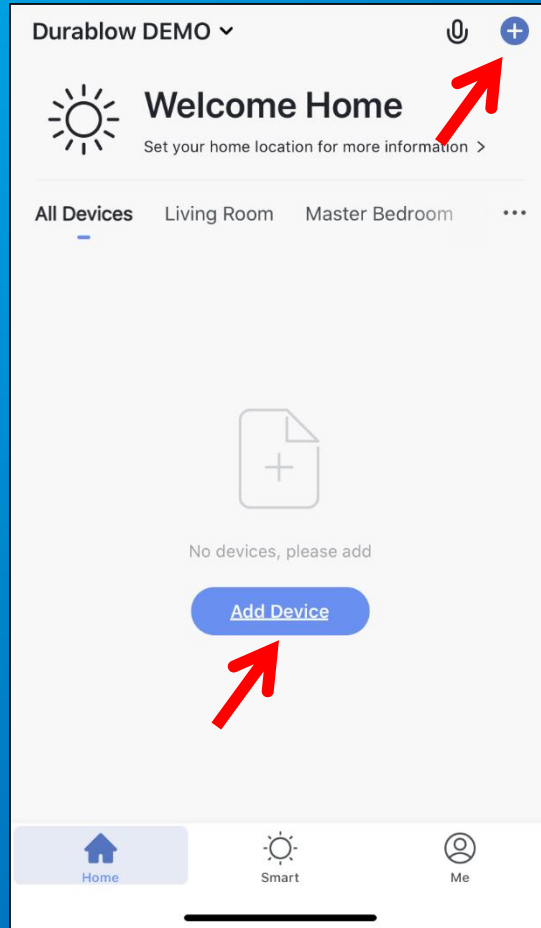
2 Blinks / Sec

3. Release the button once indicator starts blinking (2 blinks per second).

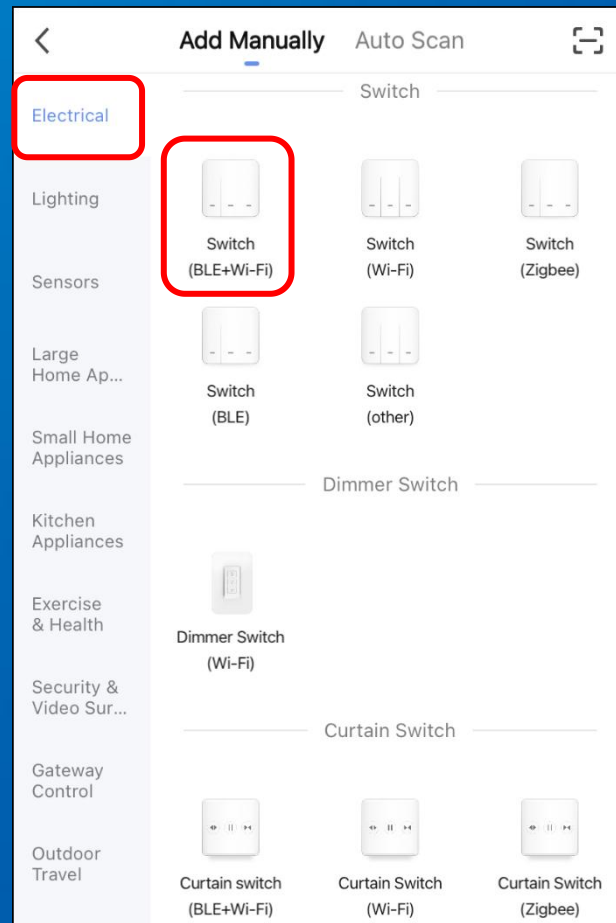


1 Blink / 3-Sec

4. Press the WiFi button again for **5** seconds or longer until indicator starts blinking slowly (1 blink every 3-second).



Pic. 1

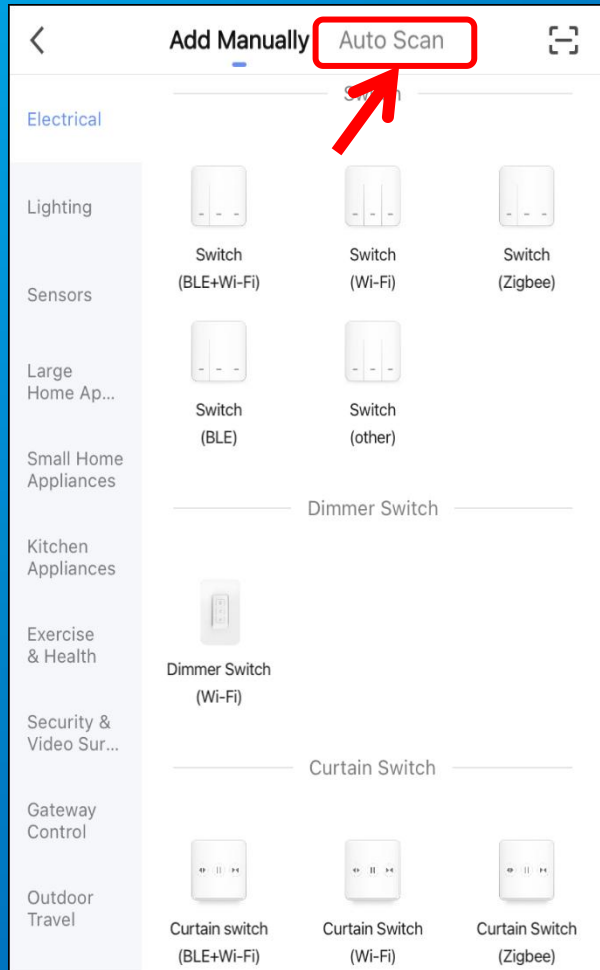


Pic. 2

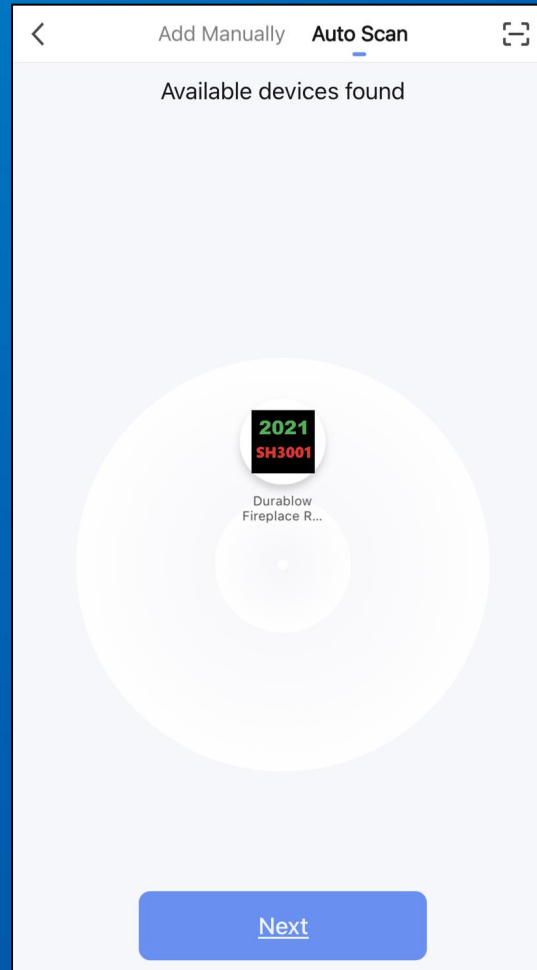
1. Tap the “+” or “Add Device” Icon (Pic. 1) to add device in Smart Life App, select the right device (Pic. 2).

For SH3001, SH3001-RH models, the device “Switch (BLE+Wi-Fi)” is preferred. (Pic. 2)

2. Make sure your smart phone has been connected with the best 2.4GHz WiFi signal in your house.



Pic. 1



Pic. 2

1. Tap the "Auto Scan". (Pic. 1)

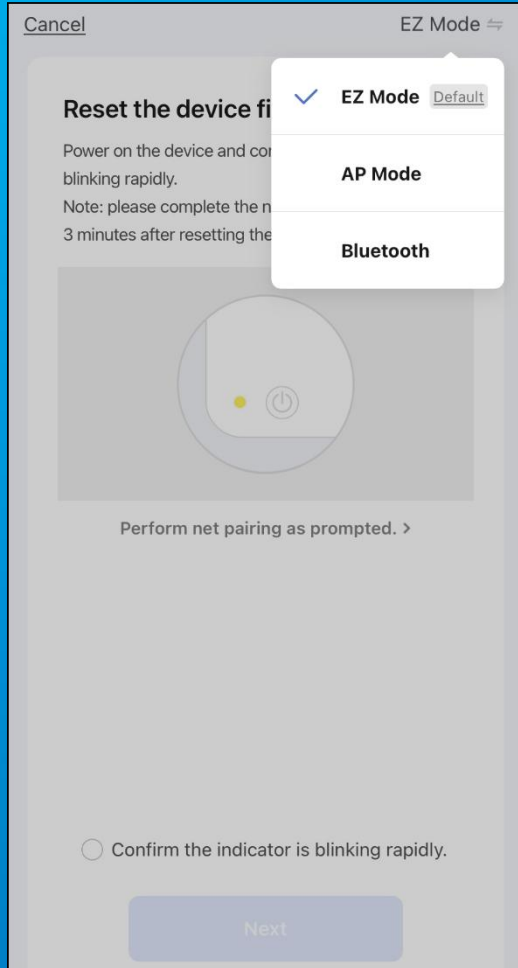
2. Available device found, go Next. (Pic. 2)

3. Enter WiFi SSID (2.4G only) and password.

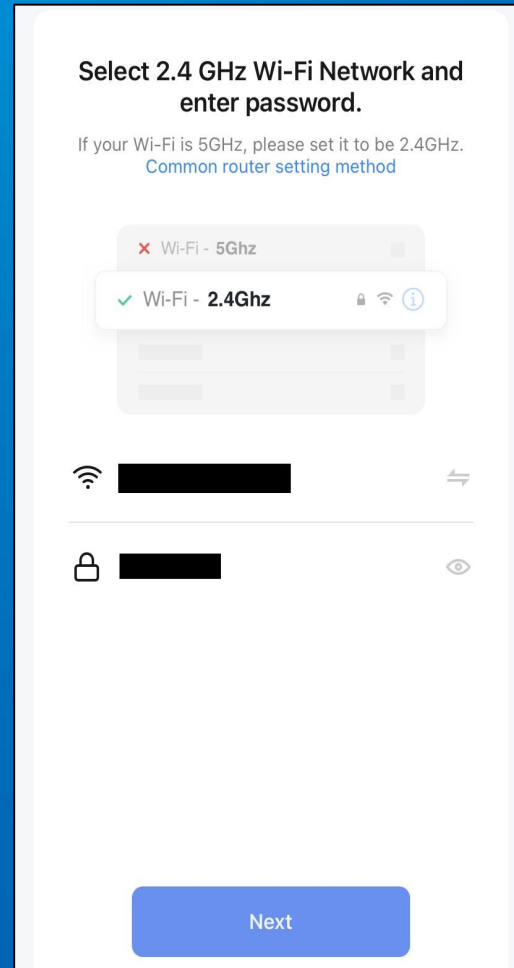
**\* 5G WiFi is NOT supported.**

4. It takes 10-30 seconds to complete the pairing.

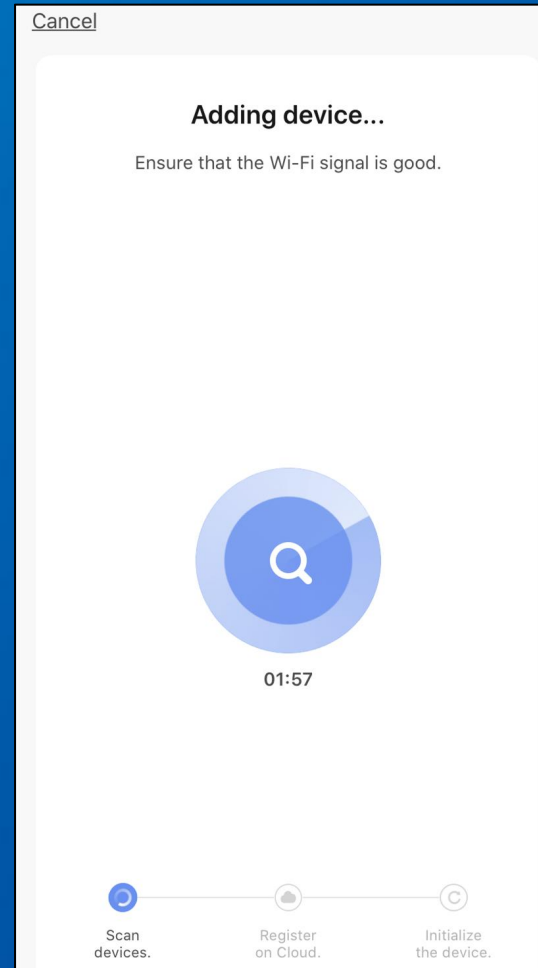
*\*Tips: Put device, phone, and WiFi router closer for better signal.*



Pic. 1



Pic. 2



Pic. 3

1. Tap the Double-Arrow icon to choose “EZ Mode”, please make sure the device’s indicator light rapidly flashes. (Pic. 1)

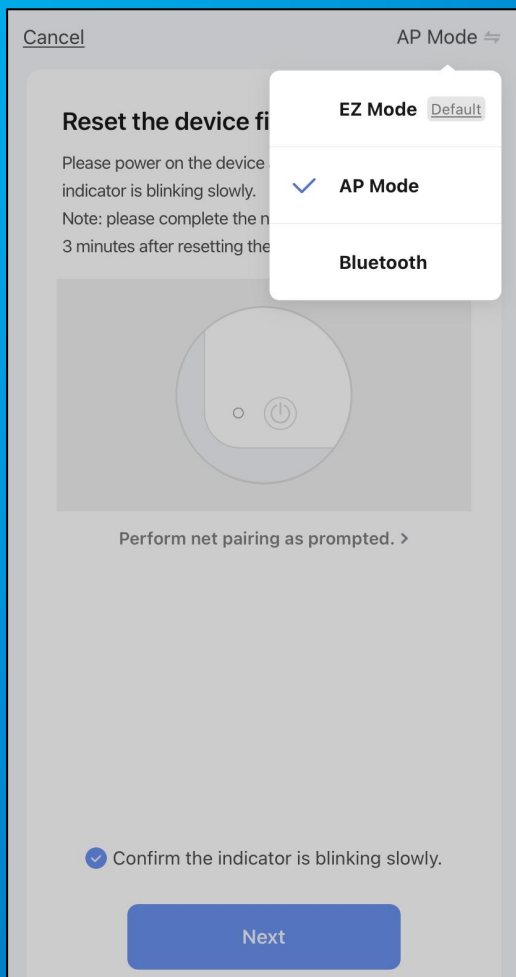
2. Enter WiFi SSID (2.4G only) and password. (Pic. 2)  
*\* 5G WiFi is NOT supported.*

3. It takes 10-30 seconds to complete the pairing. (Pic. 3)

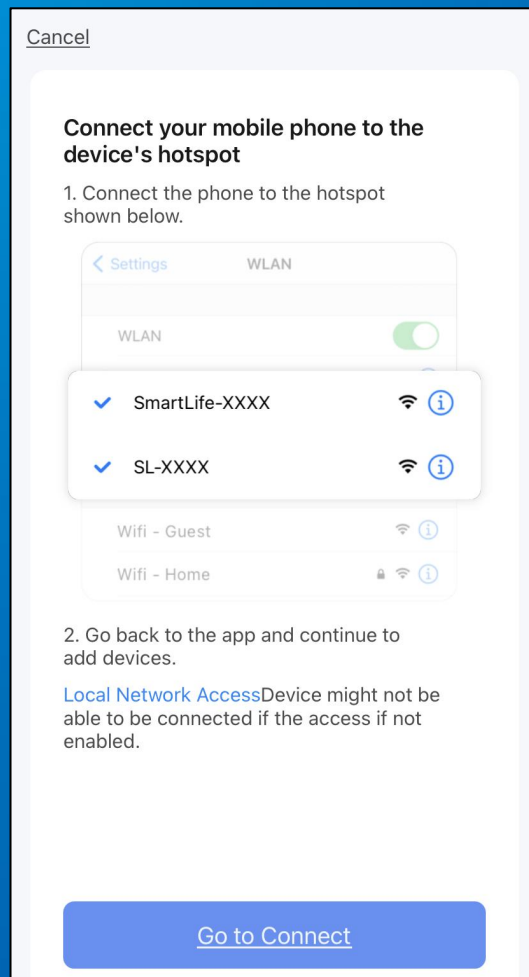


## 2

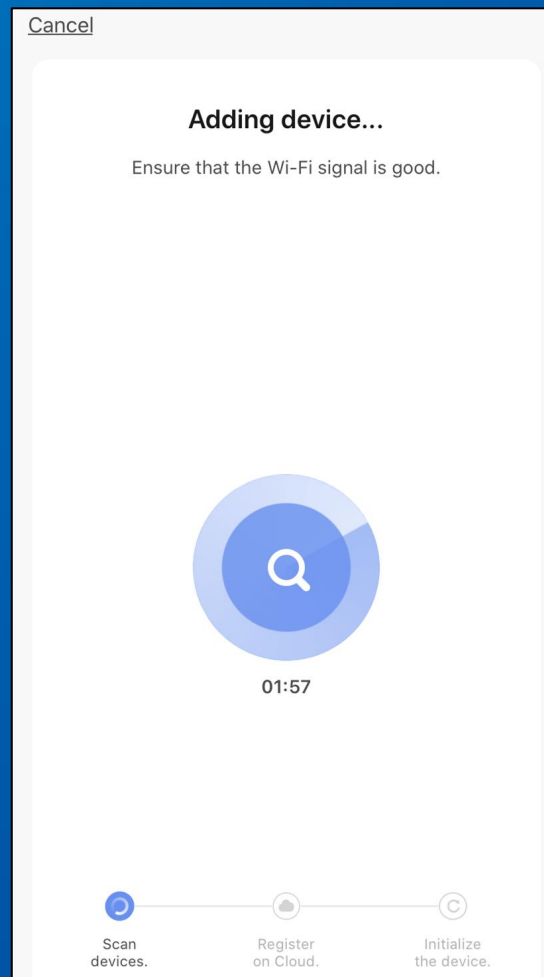
## PAIRING METHOD 3: AP mode



Pic. 1



Pic. 2



Pic. 3

1. Tap the Double-Arrow icon to choose “AP Mode”, the device’s indicator light slowly flashes. (Pic. 1)

2. Enter WiFi SSID (2.4G only) and password.

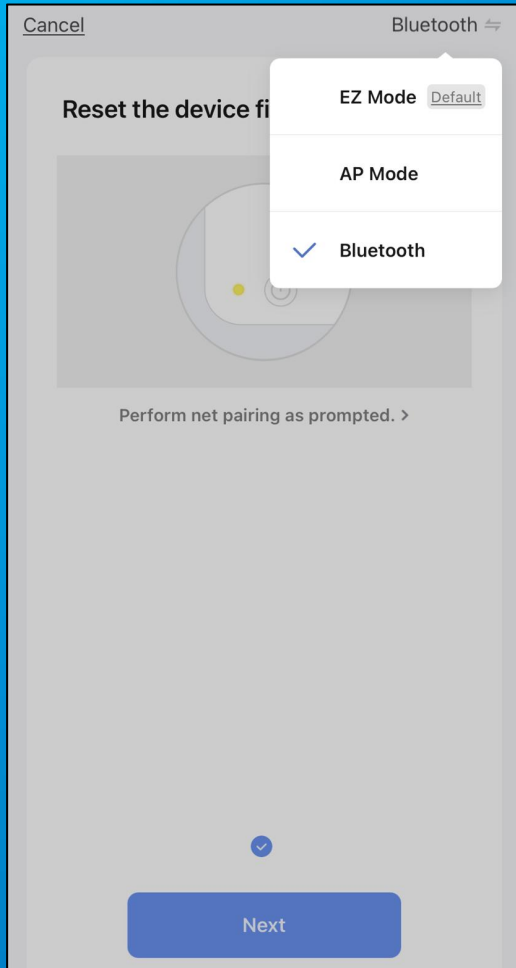
*\* 5G WiFi is NOT supported.*

3. Connect phone to device's WiFi hotspot (Pic. 2).  
Such as below:

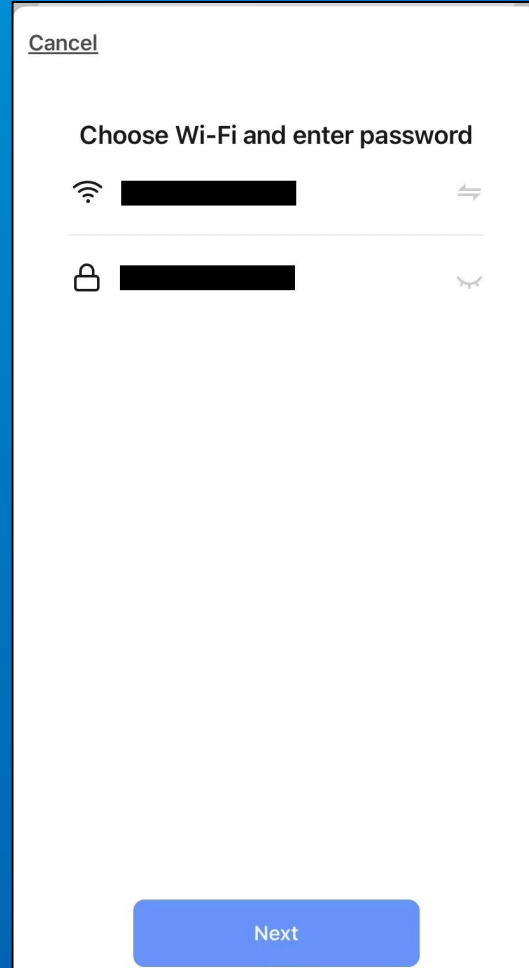


4. It takes 10-30 seconds to complete the pairing. (Pic. 3)

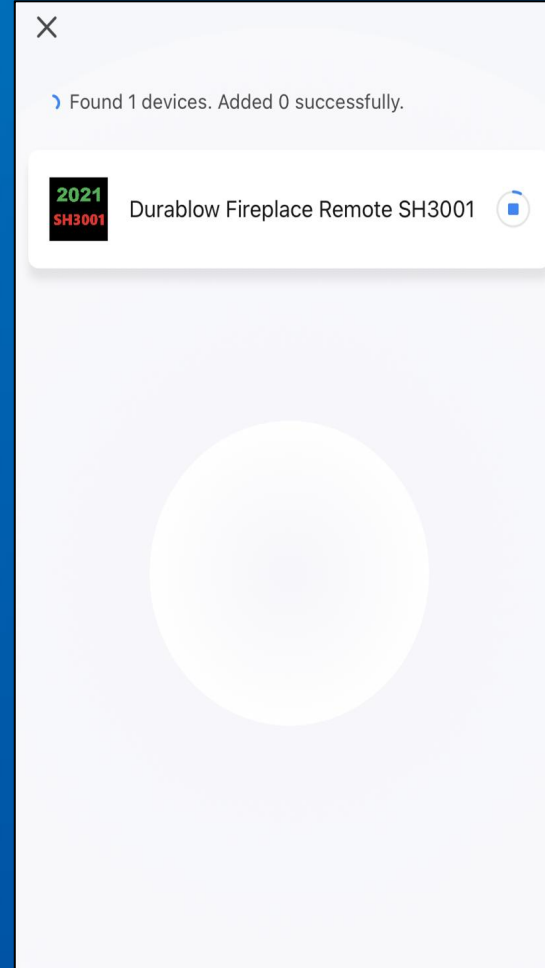
## PAIRING METHOD 4: Bluetooth mode (preferred)



Pic. 1



Pic. 2



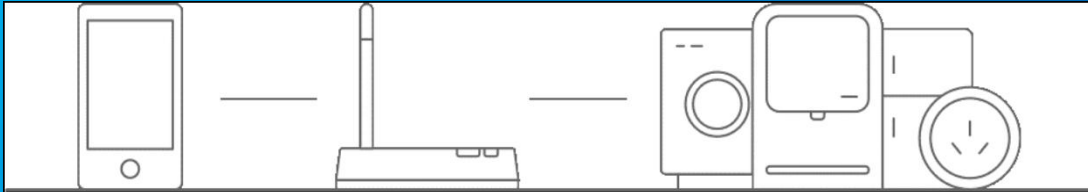
Pic. 3

1. Tap the Double-Arrow icon to choose “Bluetooth”, the device’s indicator light rapidly flashes. (Pic. 1)

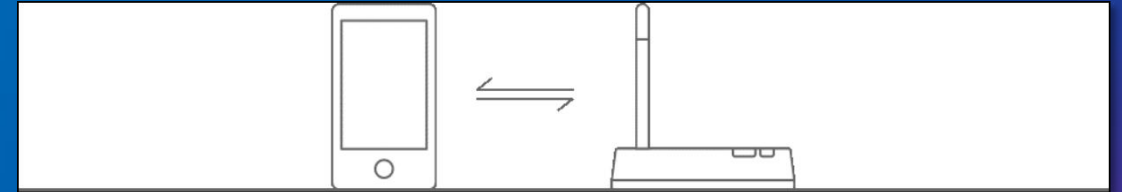
2. Enter WiFi SSID (2.4G only) and password. (Pic. 2)  
*\* 5G WiFi is NOT supported.*

3. It takes 10-30 seconds to complete the pairing. (Pic. 3)

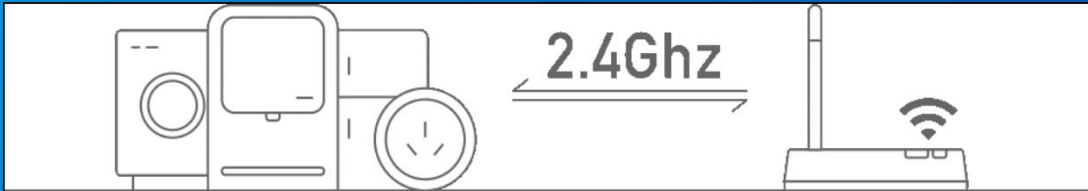
Device connection failure in different circumstances?



1. Confirm device is powered on.
2. Confirm the device is under config mode.
3. Confirm that device, smart phone and router are as close to each other.

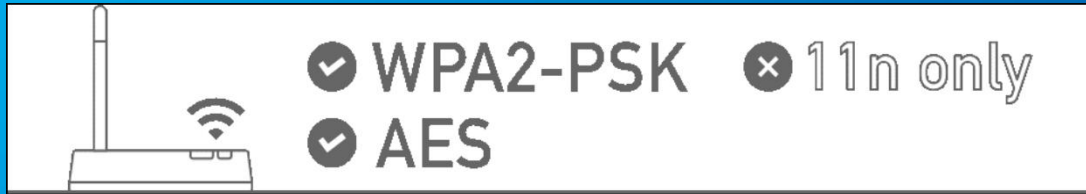


4. Make sure the network function of router and smart phone are unblocked.

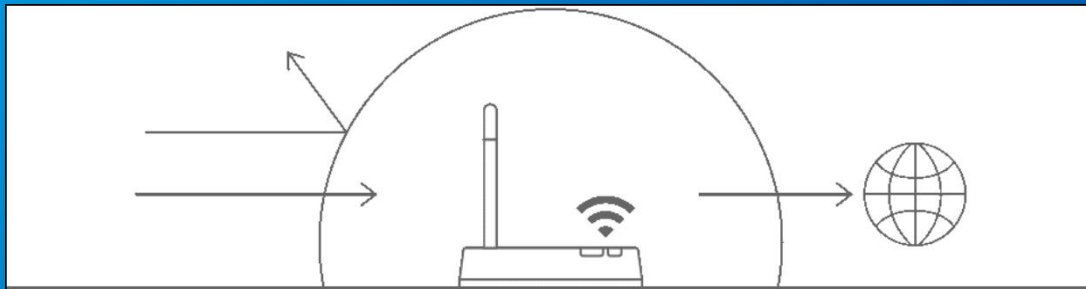


5. Confirm the entered router password is correct.
6. Confirm adding device is under **2.4G** Wi-Fi channel. Enable the broadcast and not allow to hide Wi-Fi.

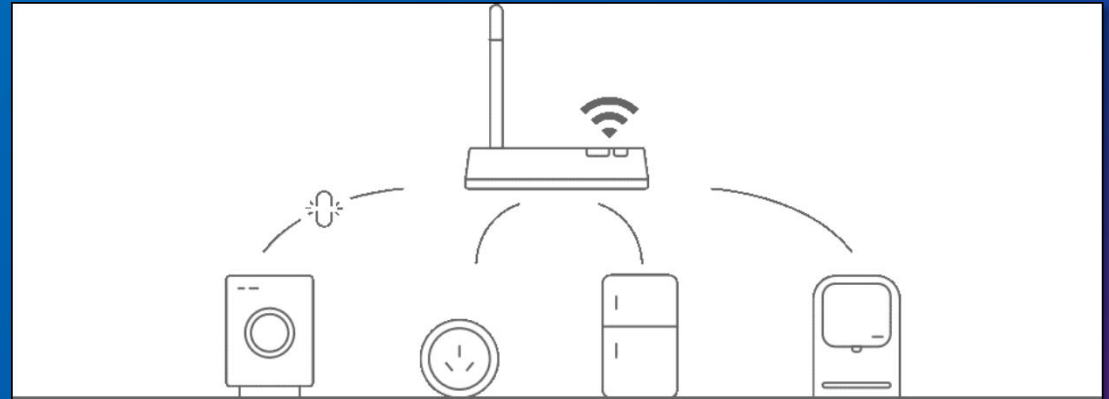
Device connection failure in different circumstances?



7. Confirm that router's encryption method is WPA2-PSK and authentication type is AES, or both are set as automatic.



9. If router enables MAC address filter, please try removing the device from MAC filter list and make sure router is allowing device to be connected to Internet.



8. If router's connected devices reach the amount limit, please turn off some devices' Wi-Fi function (offline) and configure again.





## WIRING & FUNCTIONS

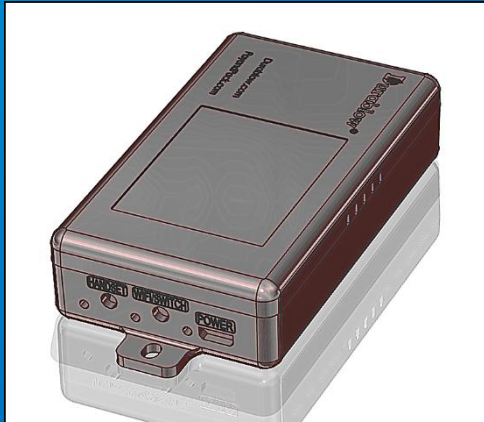
# 3

## PACKING LIST

17

1. Remote Controller Box (Pic. 1)
2. Power Supply Adapter (100 to 240VAC) (Pic. 2)
3. Power Cord (Type: USB to Micro USB) (Pic. 3)
4. \*Remote Transmitter Handset (only with Model: SH3001-RH) (Pic. 4)
5. Installation Instruction / Manual

*(For any missing parts or damages, please contact your sellers, or [info@payandpack.com](mailto:info@payandpack.com) with order ID)*



Pic. 1



Pic. 2



Pic. 3



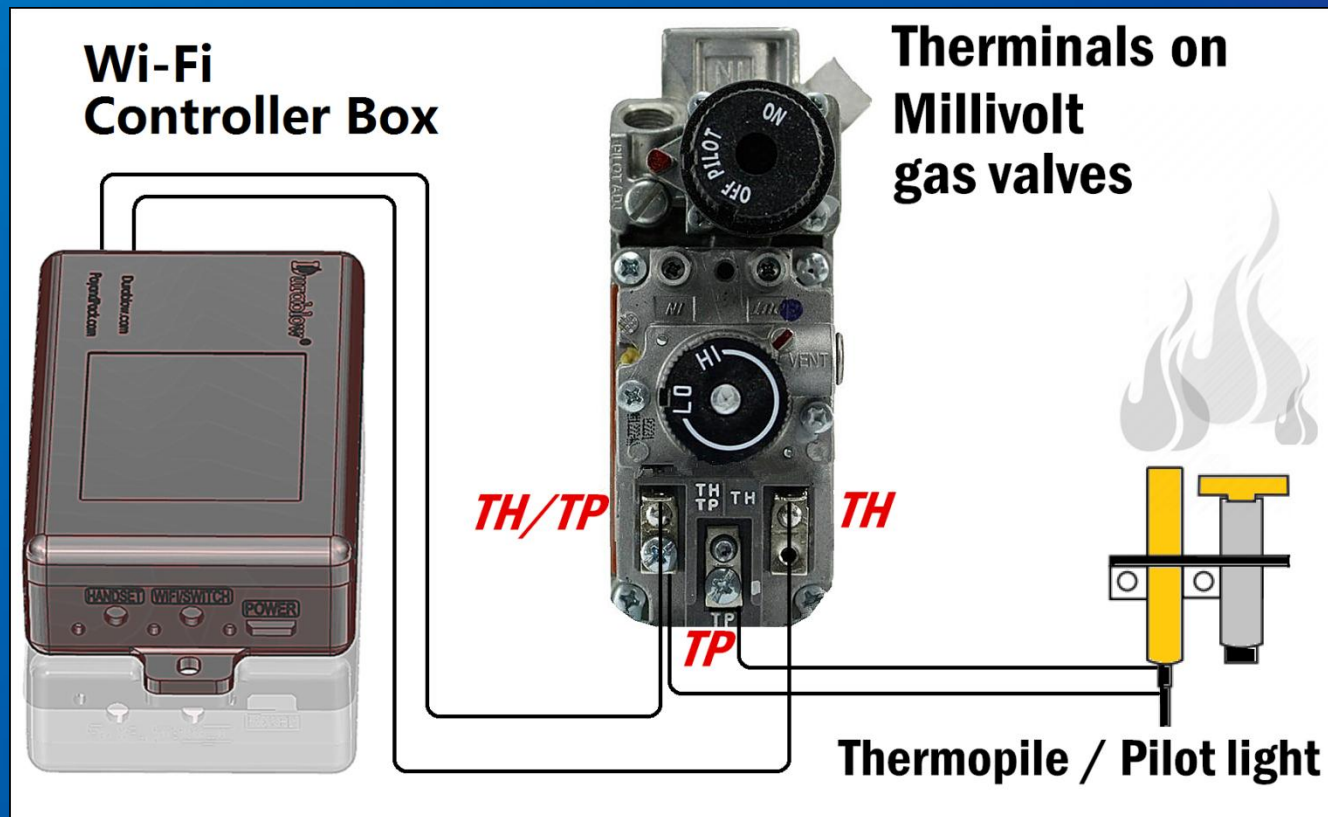
\*Pic. 4

## WIRING METHOD (1) FOR \*MILLIVOLT VALVE

Connect the two wires of the Wi-Fi controller box to the Millivolt gas valve at the **TH, TH/TP** terminals on the terminal block. (*\*Either wires can be connected to either TH, TH/TP terminals*)

**\*ATTENTION:**

This Durablow device will **NOT** turn ON the Millivolt valve and fireplace main fire, **if the pilot fire or ODS pilot is OFF, or the thermopile is defective**, because of no micro voltage (250-750mv) generated.

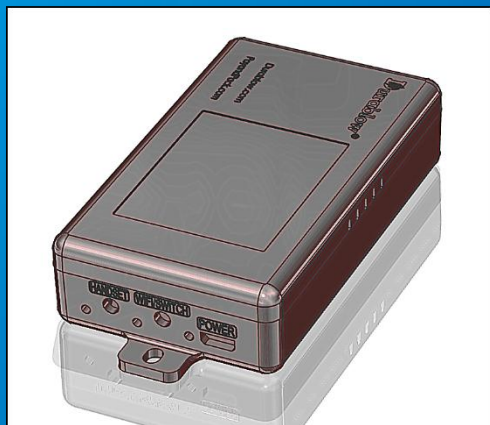


*\* The Millivolt valve shown in picture is for reference only, your actual one may differ.  
Please read your fireplace manual or consult with original maker, in order to locate the TH, TH/TP terminals.*

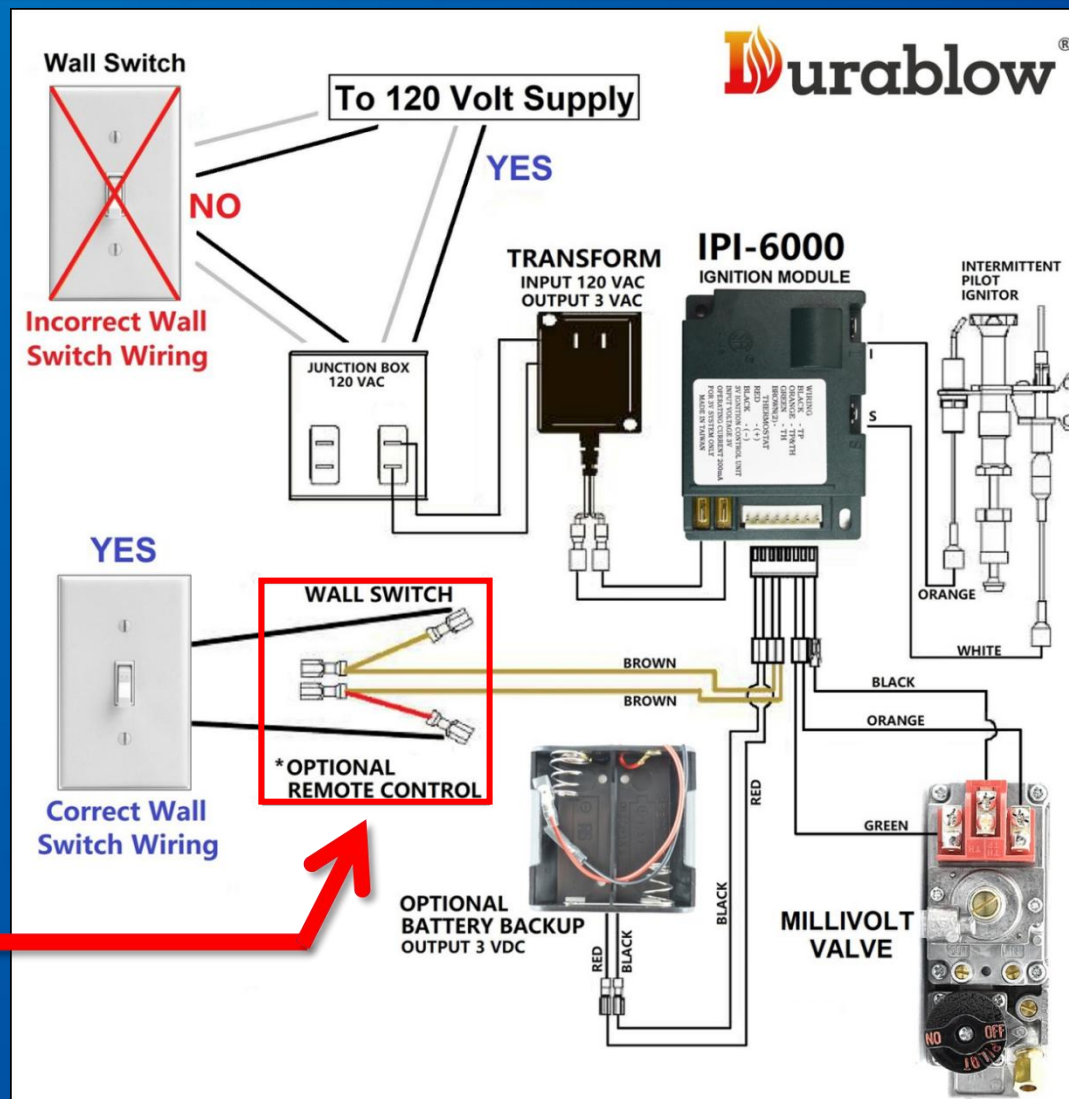


## WIRING METHOD (2-1) FOR \*DEXEN IPI MODULE & MILLIVOLT VALVE

Connect the two wires from the Wi-Fi controller box with the two **BROWN** wires from the harness of IPI control model.



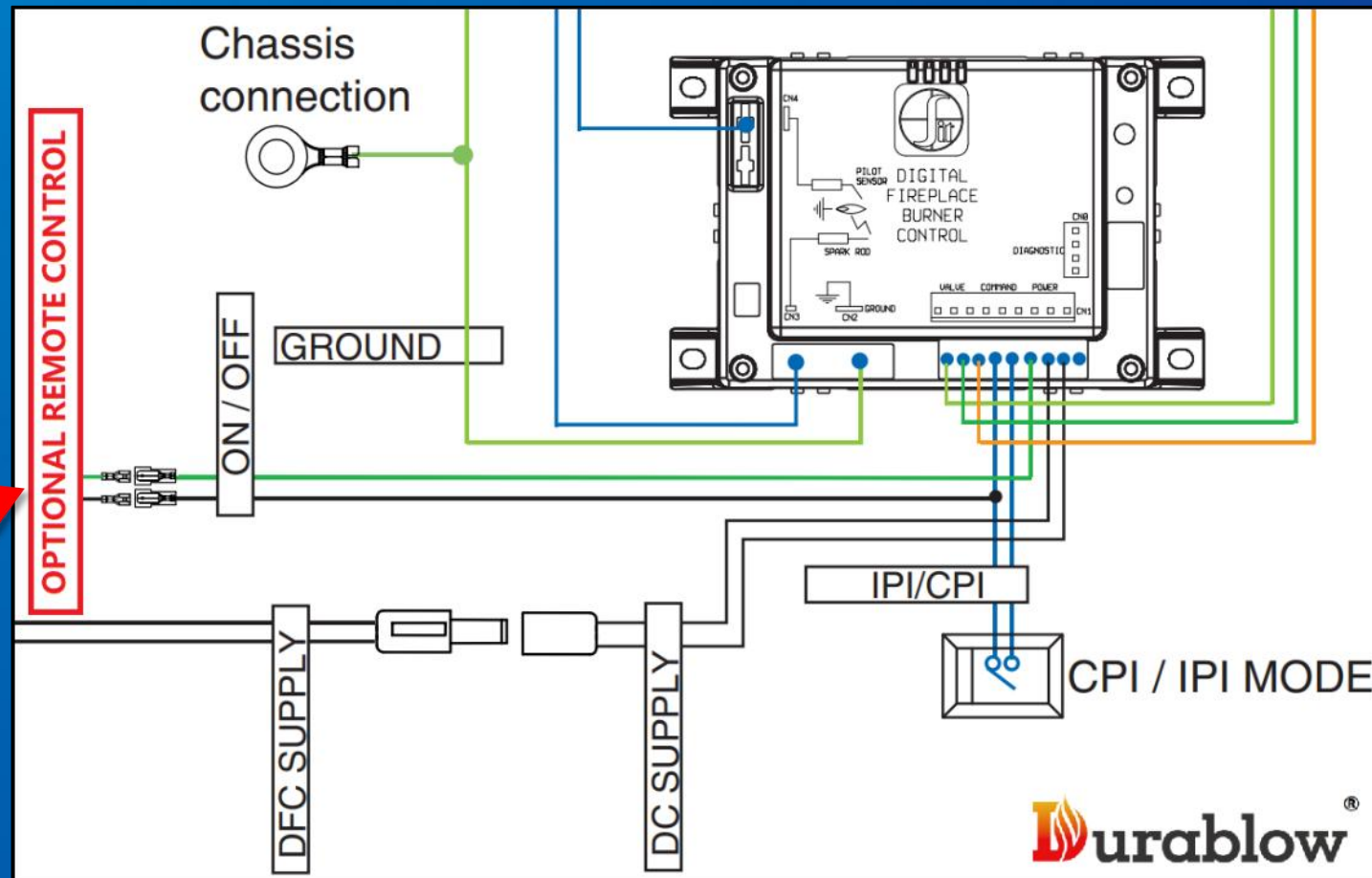
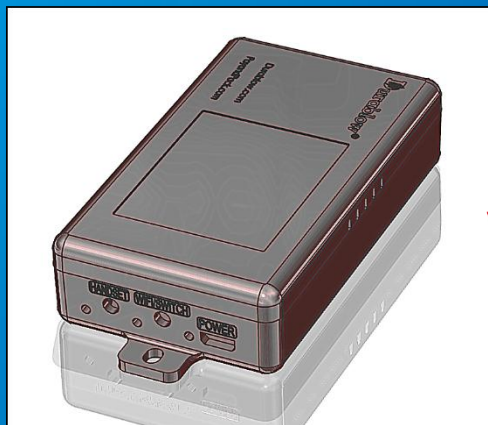
*\* The DEXEN modules can be replaced by Durbalow IPI modules.*





## WIRING METHOD (2-2) FOR SIT IPI CONTROL MODULE

Connect the two wires from the Wi-Fi controller box with the two **BROWN** wires from the harness of IPI control model.



## WIRING METHOD (3) REPLACING WALL SWITCH OR THERMOSTAT

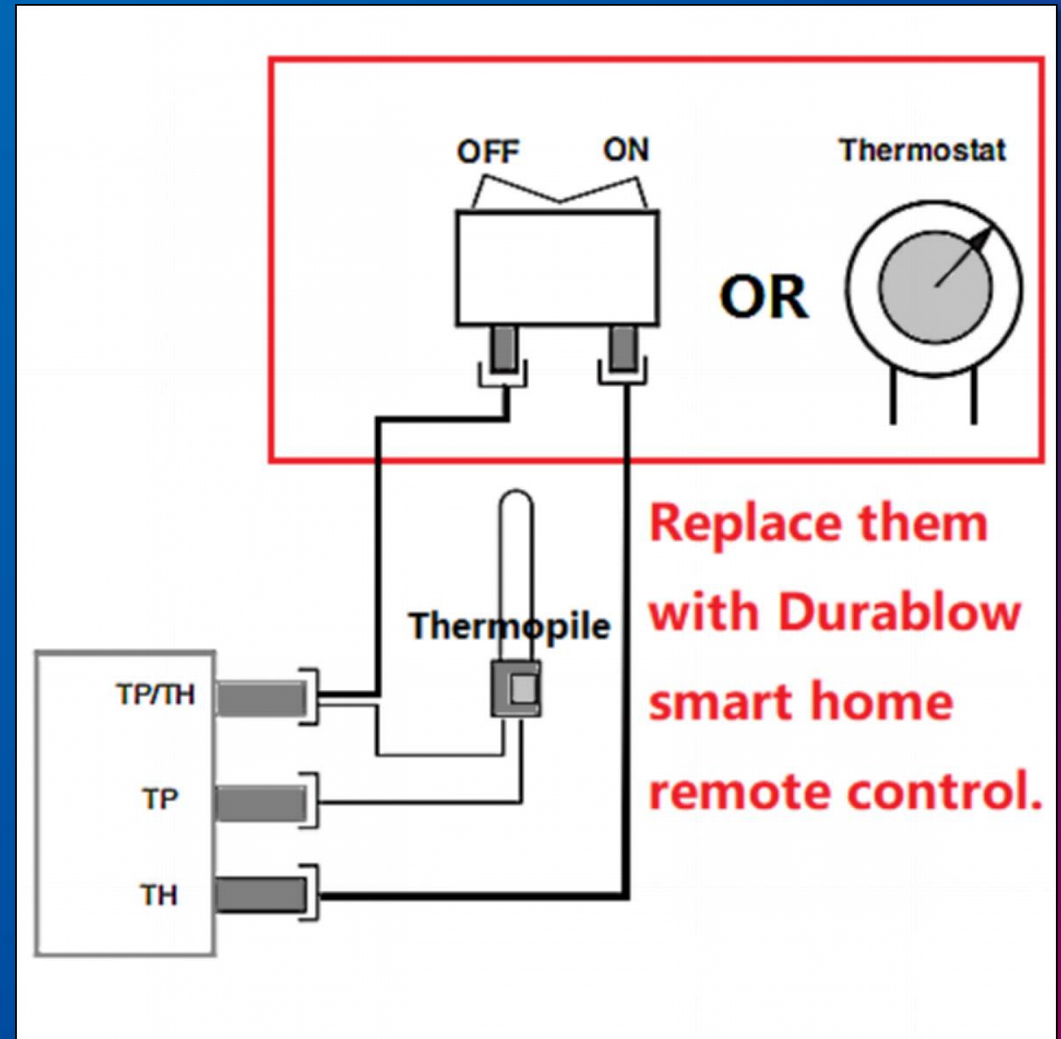
Add a smart home remote control to your fireplace by replacing your wall switch or any types of fireplace ON/OFF, thermostat switches.

*\*ATTENTION: Hard-wiring might be needed. ONLY qualified electrician / gas technician with the knowledge of gas appliances and gas valves that are permitted to modify the circuit and install.*

YouTube Videos for reference:

1. <https://youtu.be/p23EDnjXPOY>
2. <https://youtu.be/TVXYWZxcGLg>

*Please read your fireplace manual or consult with original maker.*



## WIRING METHOD (4)

### ADD AN EXTRA SMART HOME REMOTE CONTROL

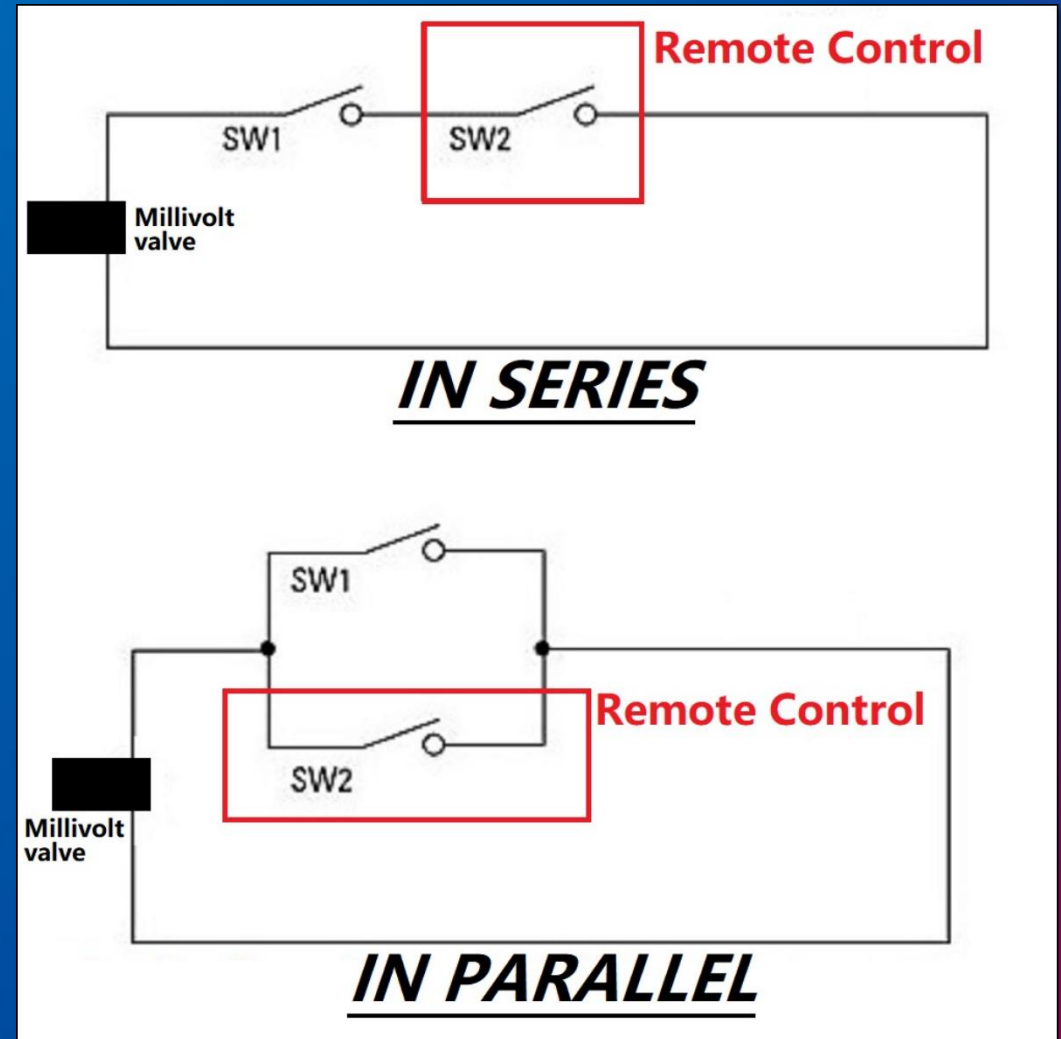
Add a smart home remote control to your fireplace by connecting it with the wall switch (or any types of fireplace ON/OFF, thermostat switches).

(a) Wiring **IN SERIES** with existing wall switch:

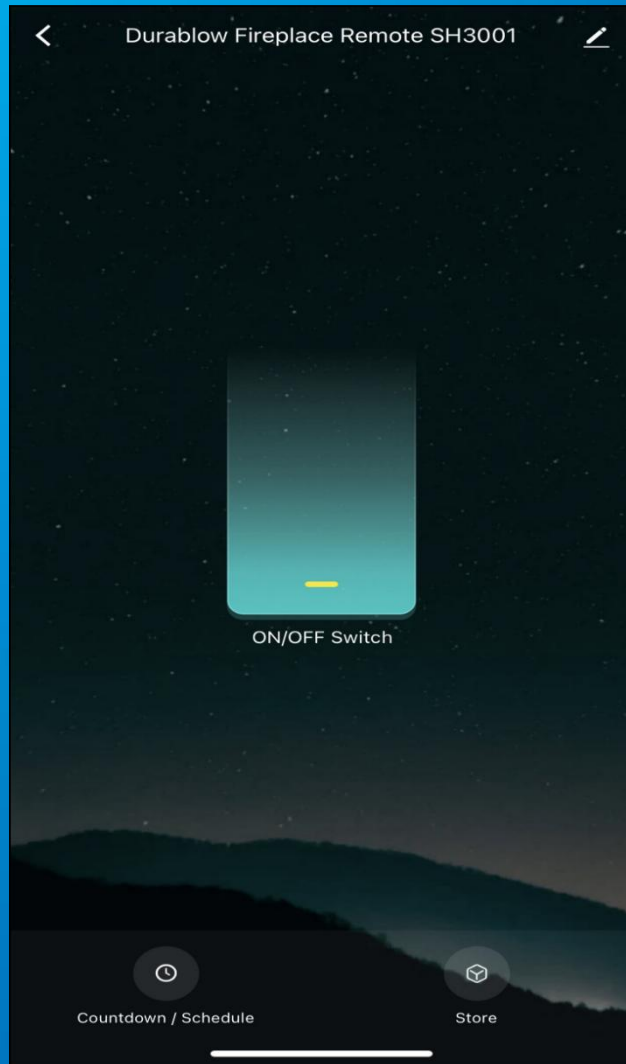
	<u>WALL SWITCH</u>		<u>REMOTE CONTROL</u>	<u>RESULT</u>
1.	ON	+	ON	= Fireplace ON
2.	ON	+	OFF	= Fireplace OFF
3.	OFF	+	ON	= Fireplace OFF
4.	OFF	+	OFF	= Fireplace OFF

(b) Wiring **IN PARALLEL** with existing wall switch:

	<u>WALL SWITCH</u>		<u>REMOTE CONTROL</u>	<u>RESULT</u>
1.	ON	+	ON	= Fireplace ON
2.	ON	+	OFF	= Fireplace ON
3.	OFF	+	ON	= Fireplace ON
4.	OFF	+	OFF	= Fireplace OFF



## REMOTE CONTROL (1) WITH SMART LIFE APP or TUYA APP



Functions: (see buttons on bottom)

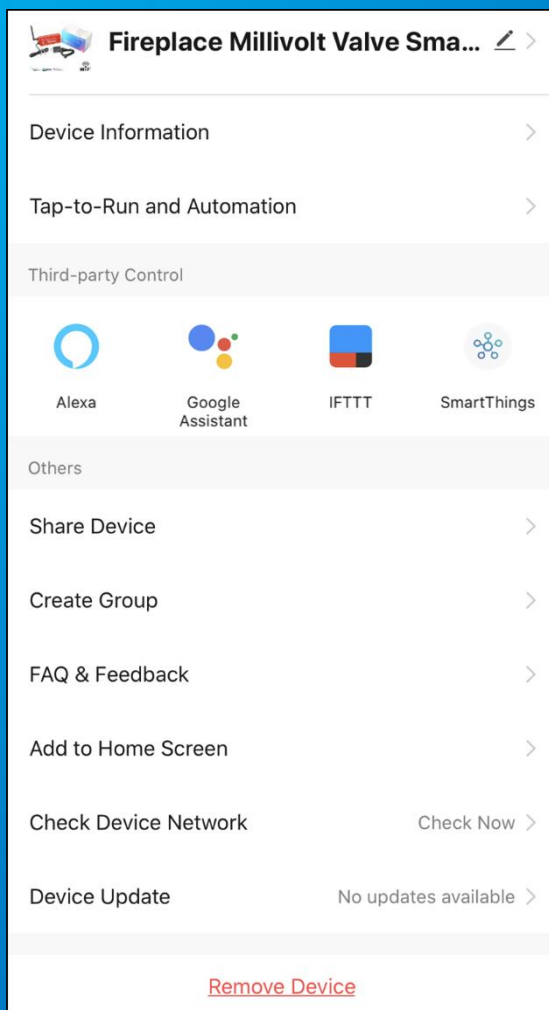
- Turn **ON/OFF Switch** manually.
- Set **Countdown** or **Schedule** (week-programmable) timers to turn ON/OFF the device automatically.
- Go shopping or get support on [www.PayandPack.com](http://www.PayandPack.com) **Store**.



## 3

## REMOTE CONTROL (2)

### SUPPORTED THIRD-PARTY CONTROL / APP



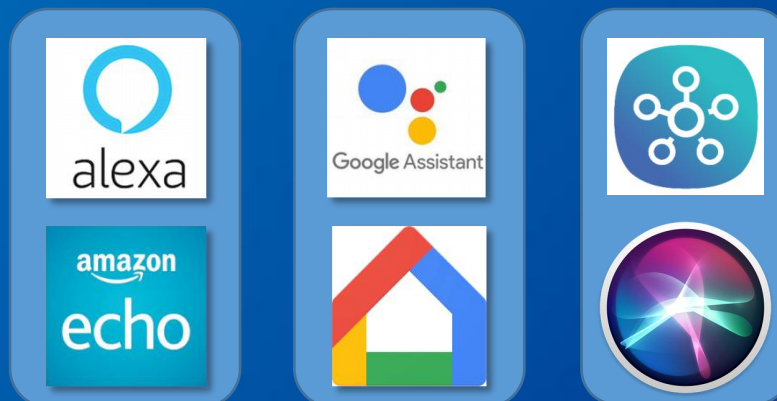
Go to 'More setting'.



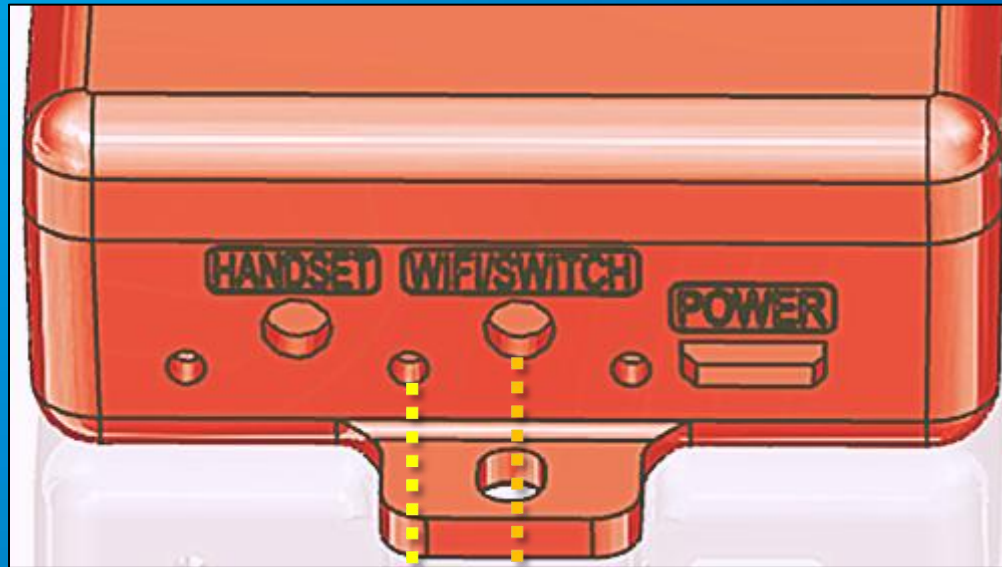
This device works with Third-Party Control listed below:

1. Amazon Alexa: Echo, Echo Dot, Echo Show, Echo Spot...etc.
2. Google Assistant: Google Home & Mini.
3. Samsung SmartThings Hub Gateway
4. \*Apple SIRI (by creating Shortcuts)

To view and link third-party control / APP, tap the icon accordingly.



**Pic. 1**

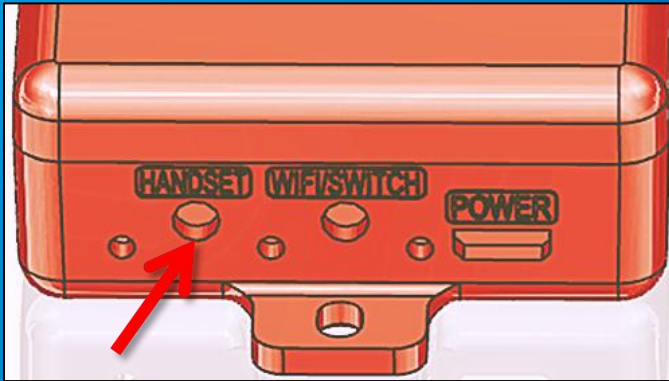
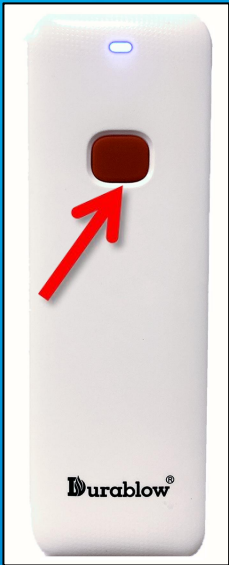


ON/OFF light

WiFi / Switch button

- **If no interent:** Press the button WIFI/SWITCH manually to turn ON/OFF the device.
- **If during a power outage:** For emergency use, this device can be powered by a power bank with standard USB port (use included power cord).

## PAIRING TRANSMITTER HANDSET WITH CONTROLLER BOX (only for Model #: SH3001-RH)



### Steps:

1. Unplug the power cord from controller box for 5 seconds, and plug-in again before pairing / learning process.
2. Press the **RED** button on transmitter handset for 5-7 seconds, the blue LED light on the top will slow blink for 5 times and then stop.
3. Press the button **HANDSET** on controller box for 5-7 seconds, the LED light (A) will slow blink for 5 times and then stop.
4. Press the RED button on transmitter handset for 1 second, the blue LED light on the top will quick blink. Meanwhile, press the button **HANDSET** on controller box for 3 seconds. Then, the blue LED light on transmitter handset should be off, which means the remote handset pairing is completed.
5. If pairing failed, please make sure the batteries in transmitter are new or fully charged, and repeat steps 1-4 again. Any questions, please email to [info@payandpack.com](mailto:info@payandpack.com), or visit [www.payandpack.com](http://www.payandpack.com) > "Contact us".



## FAQ & WARRANTY



## 1. WiFi pairing failed, why?

A: There are **TOP 4** causes leading the WiFi pairing failure:

- (1) Entered wrong WiFi SSID & password, or the **5GHz** signal (NOT supported) in setting - Double check, and enter correct **2.4GHz** WiFi SSID & password.
- (2) WiFi router was congested by too many connected unused devices - Restart the power, or reset the WiFi with a new SSID for **2.4GHz** signal.
- (3) Weak signal - Put the device, WiFi router, & Phone as closer as possible. Remove any metal blockings.
- (4) The device was NOT in “LEARN” status - See ‘Section 2’ pages for more details.

## 2. Can this controller be used to replace traditional wall switch / remote control kit?

A: Yes! Upgrades with additional functions of Timer, Schedule, working with your Amazon Echo / Google Home speakers. No more battery replacement, and malfunction / downtime when low battery.

### 3. Can not turn on fireplace?

A: Check your ODS pilot (low Oxygen in room), pilot fire, gas supply, wall switch and thermopile first!

All remote models are NOT power supply. They do NOT output voltage or current to gas valve. They only process the millivolt voltage generating from thermopile if the pilot fire is on.

Therefore, you can NOT turn on the fireplace fire / gas if the pilot fire is OFF or the thermopile is out of operation (no millivolt voltage generated when heated). This is a safety protection from gas leakage. Please check before return.

### 4. What AA, AAA battery brand to use?

A: Choose Leak-Proof AA, AAA batteries.

We strongly recommend the **Energizer** AA & AAA **Ultimate Lithium Batteries** or quality equivalents which are Leak-Proof.

**ATTENTION:** Any corrosion caused by batteries leak will damage remote control devices. This issue will be regarded as improper use by user.

## 5. Can this controller be paired with Z-wave hub?

A: No, this is for Wi-Fi use only. For other smart home systems, like Bluetooth, Z-wave, ZigBee...etc. are NOT supported yet, but might be available on new models.

## 6. Can I share this device with others?

A: Yes, go to the device control panel and tap “...” and find Device Sharing.

## 7. Can I set smart automation or SIRI shortcut?

A: Yes. Go to Smart Life APP, tap the ‘Smart’ at bottom navigation, and tap ‘Create Scene’ to create your own automation combinations.

- Durablow® warrants this product for an 1-YEAR LIMITED WARRANTY of the original purchaser / owner of this product. This warranty is not transferable to another person. It is for the original purchaser of the product. Durablow warrants any parts failed because of defective workmanship in production or materials from the original date of purchase. Durablow will repair or replace the defective parts at Durablow's decision.
- Replacement parts will be available at NO charges and free-shipping to users. If Durablow does not have the parts for a certain model, then a replacement product will be provided.
- The Owner must provide a bill of sale, order ID or payment record which should be kept to verify purchase date and establish warranty period.
- This warranty does not cover claims. Damage to the product caused by accident, misuse, abuse, or installation error, no matter implemented by a contractor, third party Service Company, or owner, is not covered by this warranty. Any modifications of this product will void this warranty.
- Photos and simple questions may be required for further product investigation & improvement. Durablow will reserve the right to physically inspect the product for defects, by authorized representatives.



### Smart Home WiFi (2.4GHz) Models:

- **SH3001** : ON/OFF + Timer + Smart Functions
- **SH3001-RH** : ON/OFF + Timer + Smart Functions + Remote Handset
- **SH3002** : ON/OFF + Timer + Thermostat + Programmable + Smart Functions
- **SH3002-RH** : ON/OFF + Timer + Thermostat + Programmable + Smart Functions + Remote Handset

### Traditional RF (Radio Frequency) Models:

- **TR1001** : Battery powered - ON/OFF
- **TR1003** : Battery powered - ON/OFF + Timer + Thermostat
- **TR1004** : Battery powered - ON/OFF + Timer + Thermostat + Backlit LCD
- **TR2001** : 100-240VAC powered - ON/OFF
- **TR2002** : 100-240VAC powered - ON/OFF + Battery-Free Wall-Mount Switch
- **TR2003** : 100-240VAC powered - ON/OFF + Timer + Thermostat
- **TR2004** : 100-240VAC powered - ON/OFF + Timer + Thermostat + Backlit LCD

**Parts for Fireplaces with DEXEN GM-6KA Module:**

- **IPI-6000** : IPI pilot ignition control module replacement
- **AC593** : 3VAC power supply wall adapter transformer
- **DC594** : 3VDC battery pack (D size)

**Parts for Fireplaces with DEXEN GM8K-1 Module:**

- **IPI-8000** : IPI pilot ignition control module replacement
- **AC131** : 6VDC power supply wall adapter transformer
- **DC352** : 6VDC battery pack (AA size)

## USER MEMO:

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Website: [Durablowlow.com](http://Durablowlow.com) / [PayandPack.com](http://PayandPack.com)

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.



Federal  
Communications  
Commission