Durablow®

Durablow® Smart Home Series - SH3001 / SH3001-RH (Wi-Fi) Gas Valve Remote Control

Supported Control

+ Smart Life APP
+ Amazon Alexa
+ Google Assistant
+ Samsung SmartThings
+ IFTTT

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 and installed outside the fireplace / stove / fire-pit for better signal transmission. (*IMPORTANT: Keep away from high-heat of exceeding 130℉ . 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.

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02 ADD DEVICE & Wi-Fi SETTING

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1

SMART LIFE APP & ACCOUNT

1 DOWNLOAD & INSTALL SMART LIFE APP

Scan this QR code, or search "SMART LIFE"
in APP Store (iOS), or Google Play (Android) to download and install.

1 REGISTER NEW ACCOUNT

Mobile phone number / Email address

Pic. 1

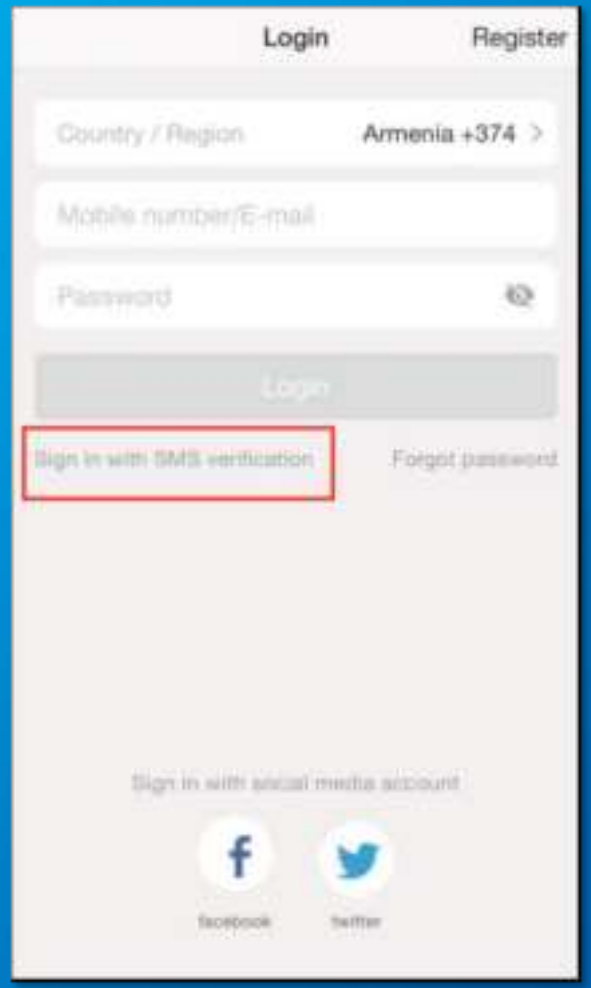
Pic. 2

Pic. 3

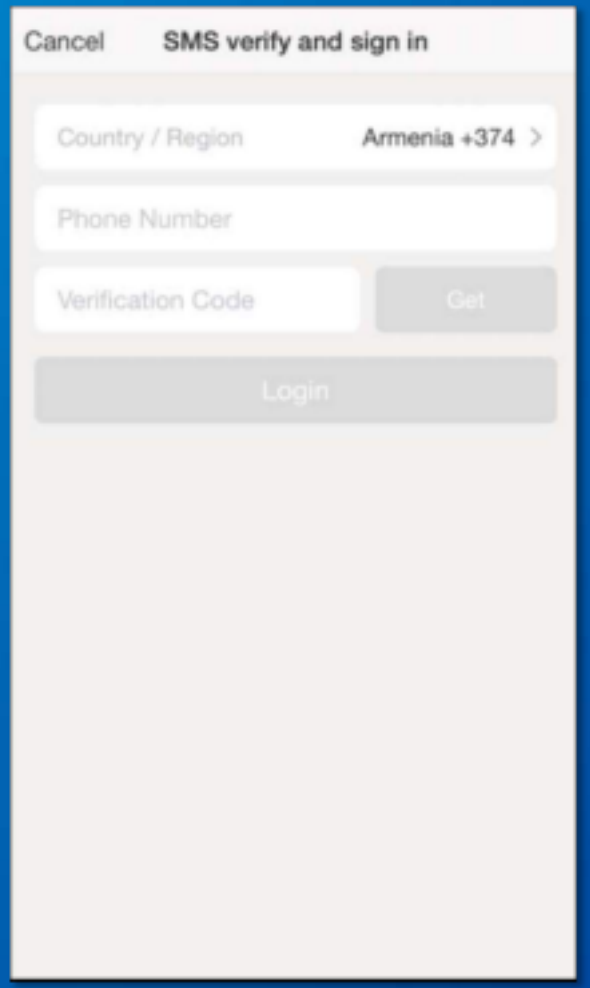
Pic. 4

1. Tap “Register”. (Pic 1)
2. Select your country code and enter mobile phone number / E-mail and tap “Next”. (Pic 2)
3-1. For mobile phone number account, enter the verification code (Pic 3) given in the text message. Enter desired password, tap “Confirm” to finish the registration.
3-2. For E-mail account, enter desired password (pic 4), tap “Confirm” to finish the registration.

1 LOGIN SMART LIFE APP



Pic. 1

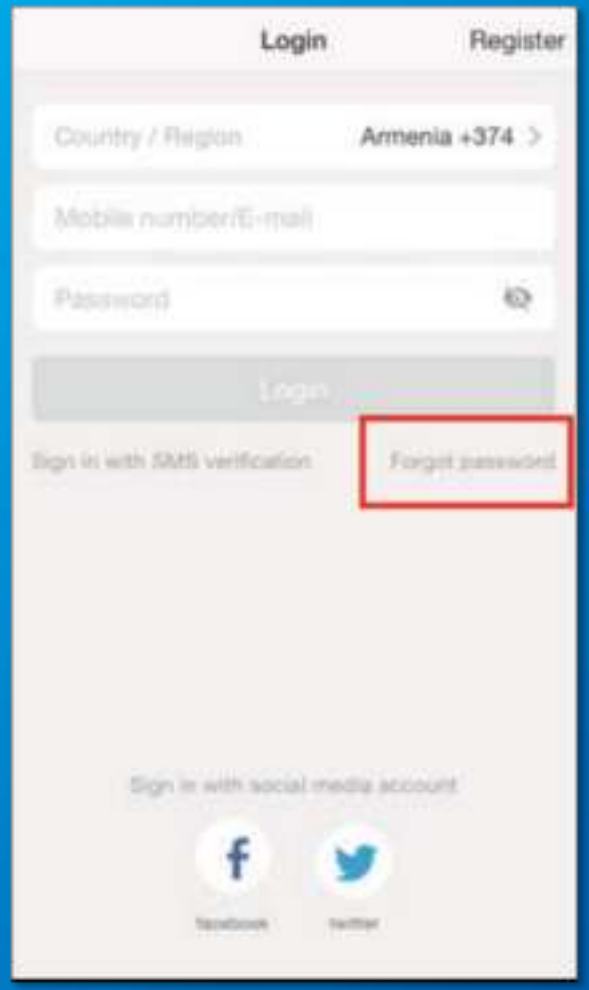


Pic. 2

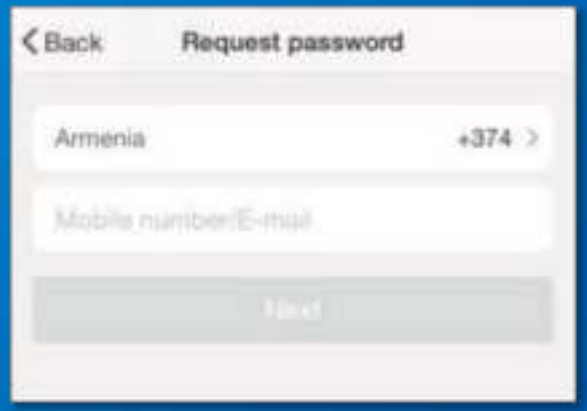
Login methods:

- Login with mobile number + SMS verification code (text message). (Pic. 1+2)
- Login with account number (mobile number/E-mail) + password. (Pic. 1)
- Login with social media account. (If you have installed Facebook or Twitter APP, tap the corresponding icon below, and sign in the APP after social network authentication.

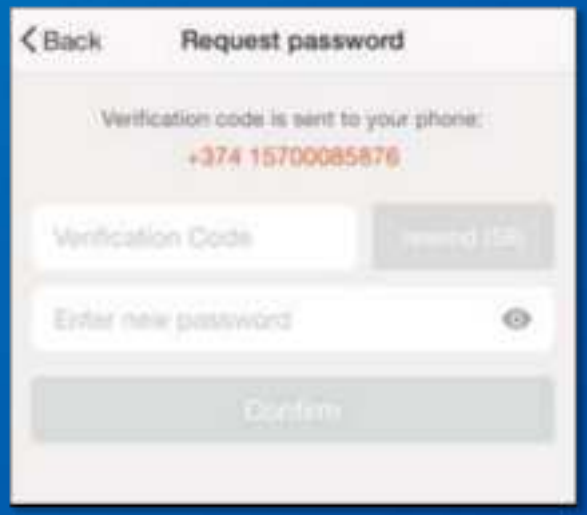
1 FORGOT PASSWORD / RESET



Pic. 1



Pic. 2



Pic. 3

If forgot password, follow steps below and reset:

1. Tap "Forgot password". (Pic. 1)

2. Select your country, enter your account the cellphone number / E-mail, and tap "Next". (Pic. 2)

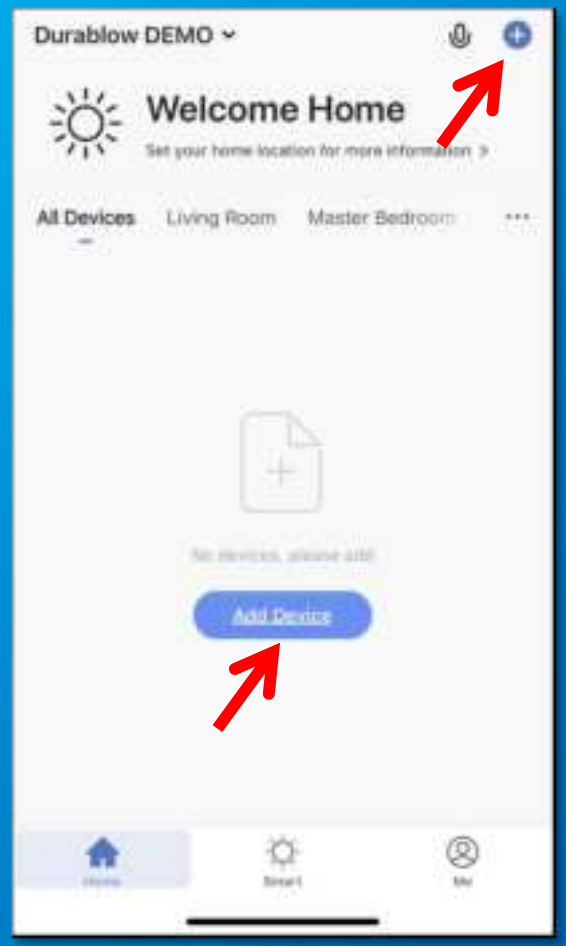
3. Enter the verification code given in the message / E-mail , and enter a new password, tap "Confirm" to finish. (Pic. 3)

4. Login with new password.

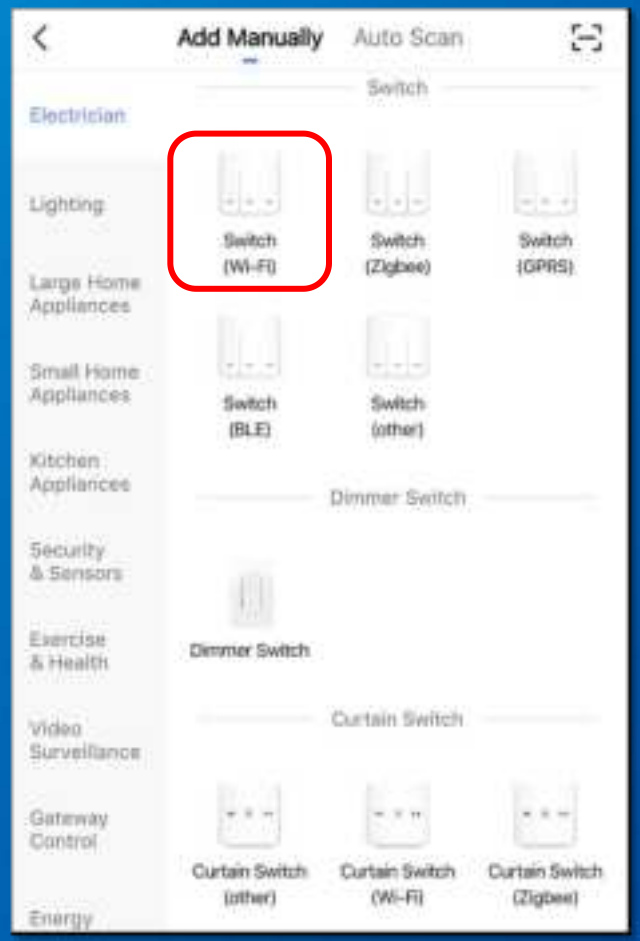
2

ADD DEVICE & Wi-Fi SETTING

2 ADD DEVICE & RESET BUTTON (Pic. 3)



Pic. 1



Pic. 2

1. Power ON your device.

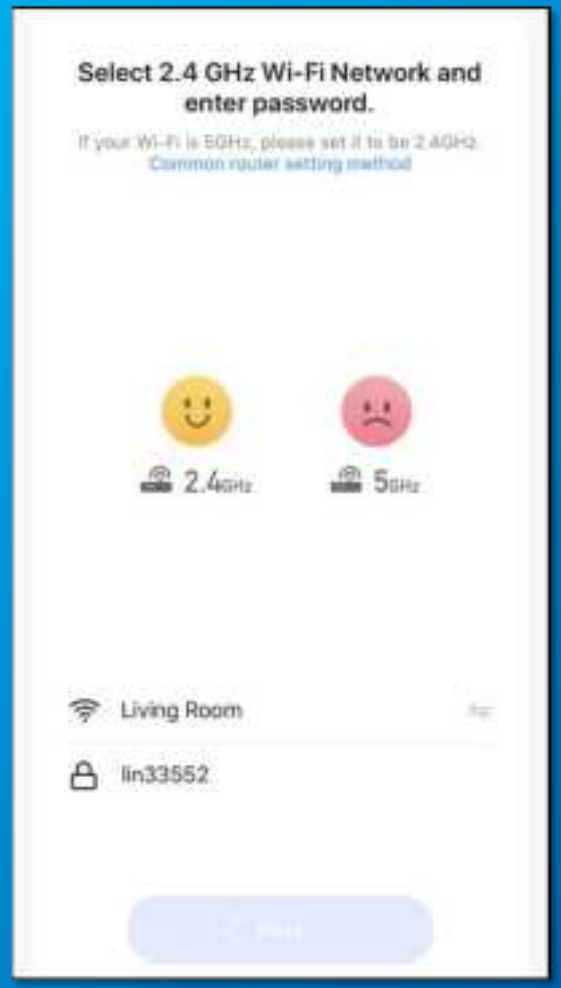
2. Login your Smart Life App, and tap the "+" or "Add Device" Icon (Pic. 1) to add device in Smart Life App, select the right device (Pic. 2). <u>For SH3001, "Switch (Wi-Fi)" is preferred.</u>

3. Make sure your phone has been connected with the strongest WiFi signal nearby.

Pic. 3

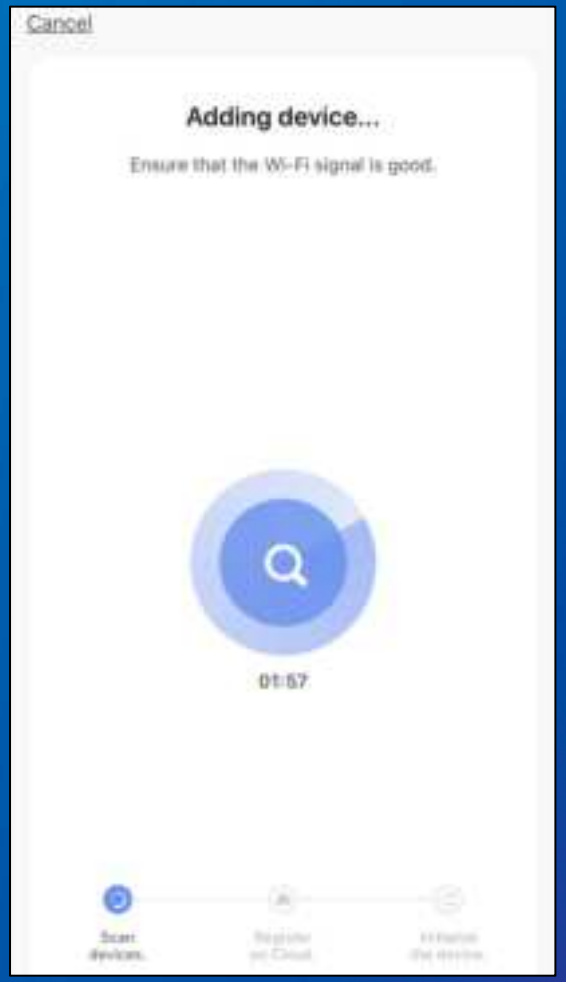
2 ADD DEVICE (EZ mode)

There are two modes:
1. EZ mode (defult mode).
2. AP mode.



Pic. 1

Pic. 2



Pic. 3

1. Enter the WiFi SSID and password. (Pic. 1)
* *5G WiFi is NOT supported.*

2. Tap the Double-Arrow icon to choose “EZ Mode”, please make sure the device’s indicator light rapidly flashes. (Pic. 2)

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

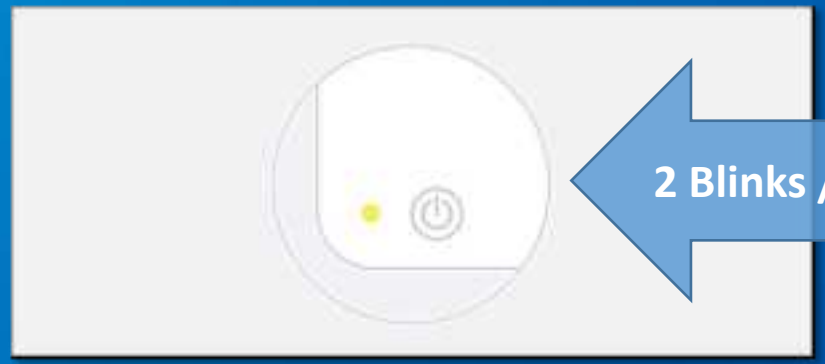
4. Rename devices, and done.

2 HOW TO MAKE INDICATOR RAPIDLY BLINK?

For EZ mode

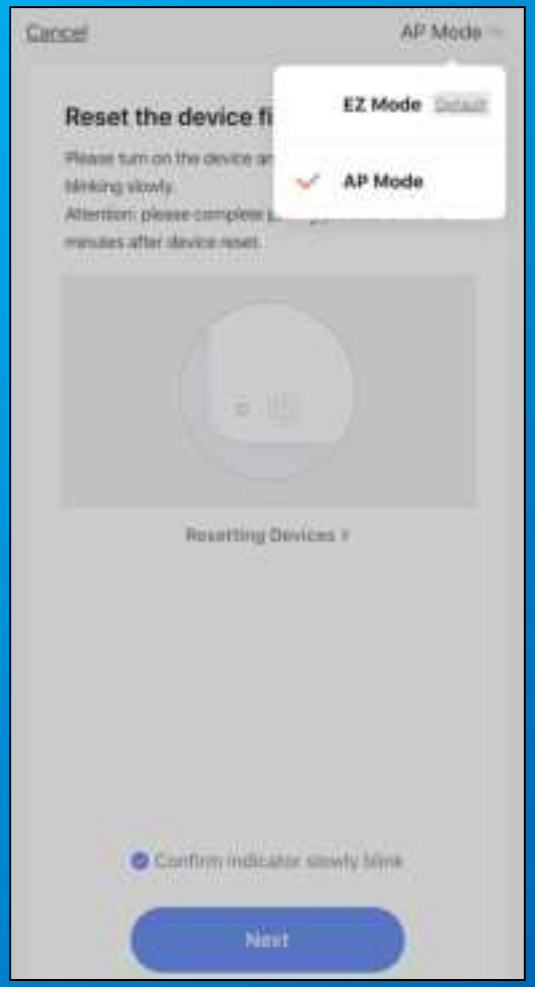
1. Unplug from outlet and wait for 10 seconds, and plug in back.

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



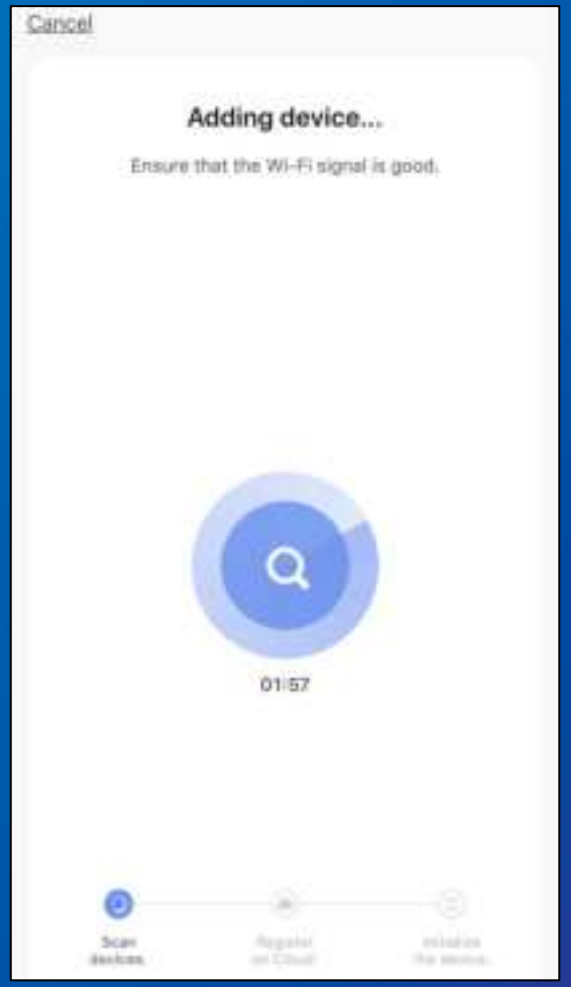
3. Release the button once indicator starts blinking (2 blinks per second).

2 ADD DEVICE (AP mode)



Pic. 1

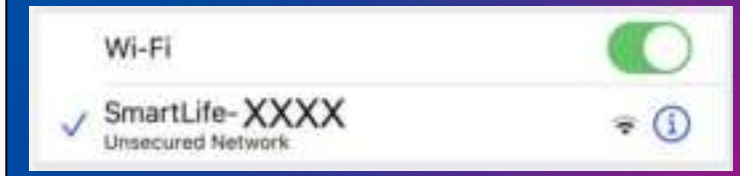
Pic. 2



Pic. 3

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

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



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

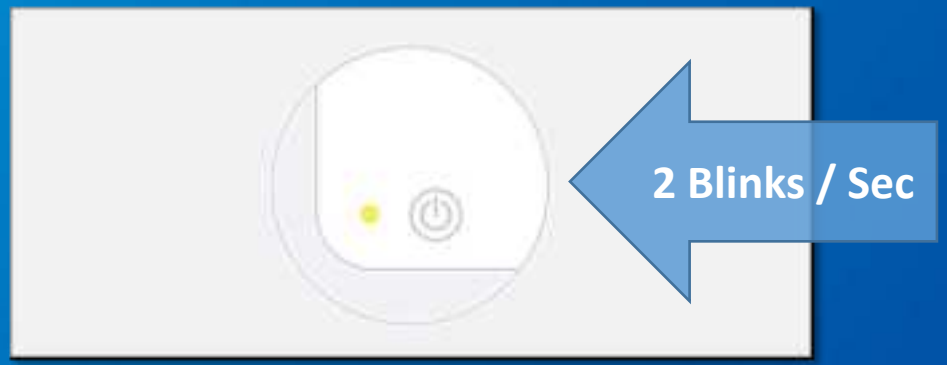
4. Rename devices. Done.

2 HOW TO MAKE INDICATOR SLOWLY BLINK?

For AP mode

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

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

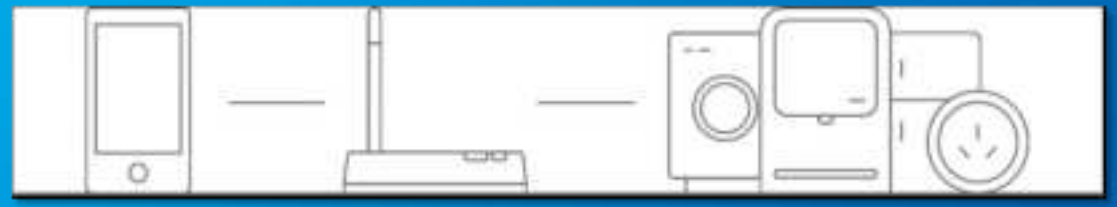


3. Release the button once indicator starts blinking (2 blinks per second).

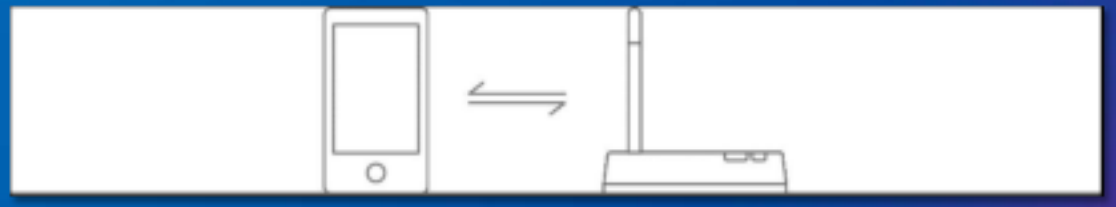
4. Press the reset button again for 5 seconds or longer until indicator starts blinking slowly (1 blink every 3-second).

2 TROUBLESHOOTING AND CHECK LIST (1/2)

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.

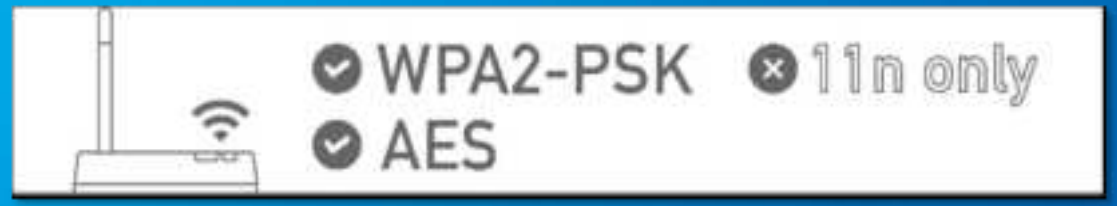


4. Make sure the network function of router and smart phone are unblocked.

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.

2 TROUBLESHOOTING AND CHECK LIST (2/2)

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.

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

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.

3

WIRING & FUNCTIONS

3 PACKING LIST

1. Remote Controller Box with Two Connected Wires (Pic. 1)
2. Wi-Fi Antenna (Pic. 2)
3. Power Supply USB Plug (100-240VAC) (Pic. 3)
4. Power Cord (Type: USB to Micro USB) (Pic. 4)
5. *Remote Transmitter Handset (only in Model #: SH3001-RH) (Pic. 5)
6. Installation Instruction / Manual

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

Pic. 1

Pic. 2

Pic. 3

Pic. 4

Pic. 5

3 POWER (AC → DC) & Wi-Fi ANTENNA

1. Connect power supply USB plug (AC/DC adapter) with power cord and controller box (DC 5V).

INPUT: AC 100-240V, 50/60Hz, 0.4A
OUTPUT: DC 5V, 1.0A
FCC/EMC approved; cUL standard listed.

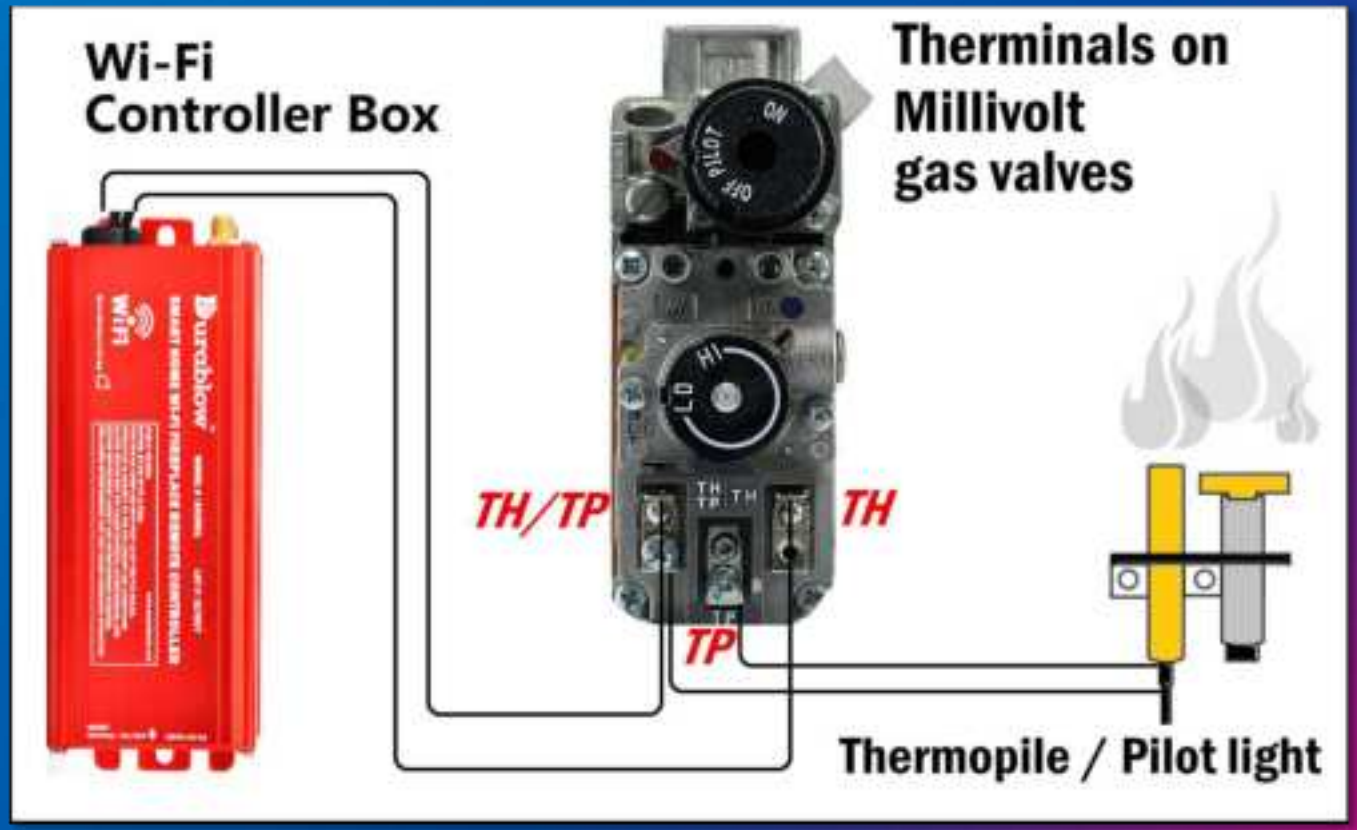
2. Install / screw-in the WiFi Antenna onto the controller box.

3 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 Millivolt valve may differ.*
Please read your fireplace manual or consult with original maker, in order to locate the TH, TH/TP terminals.

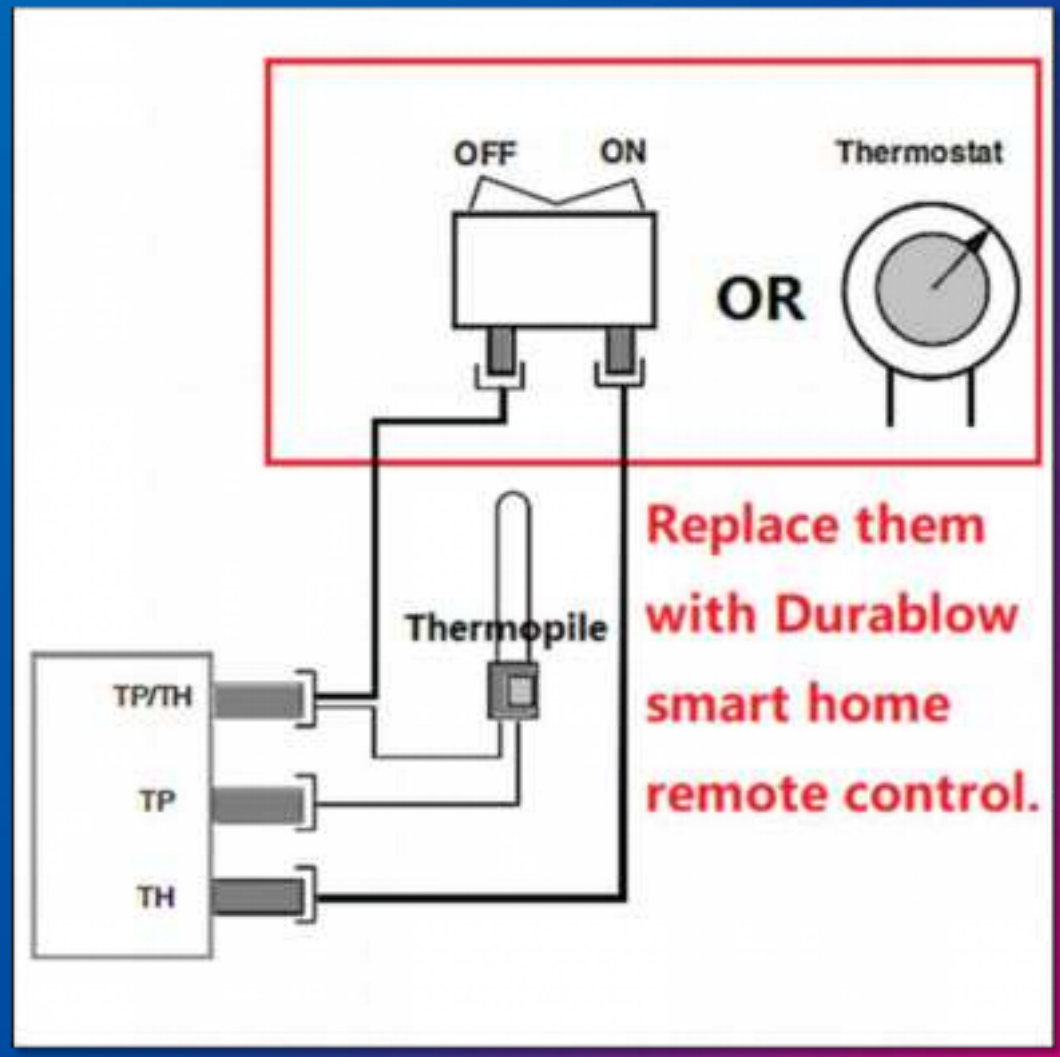
3 WIRING METHOD (2)
REPLACING WALL SWITCH OR THERMOSTAT

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.



3 WIRING METHOD (3)
ADD A SMART HOME REMOTE CONTROL

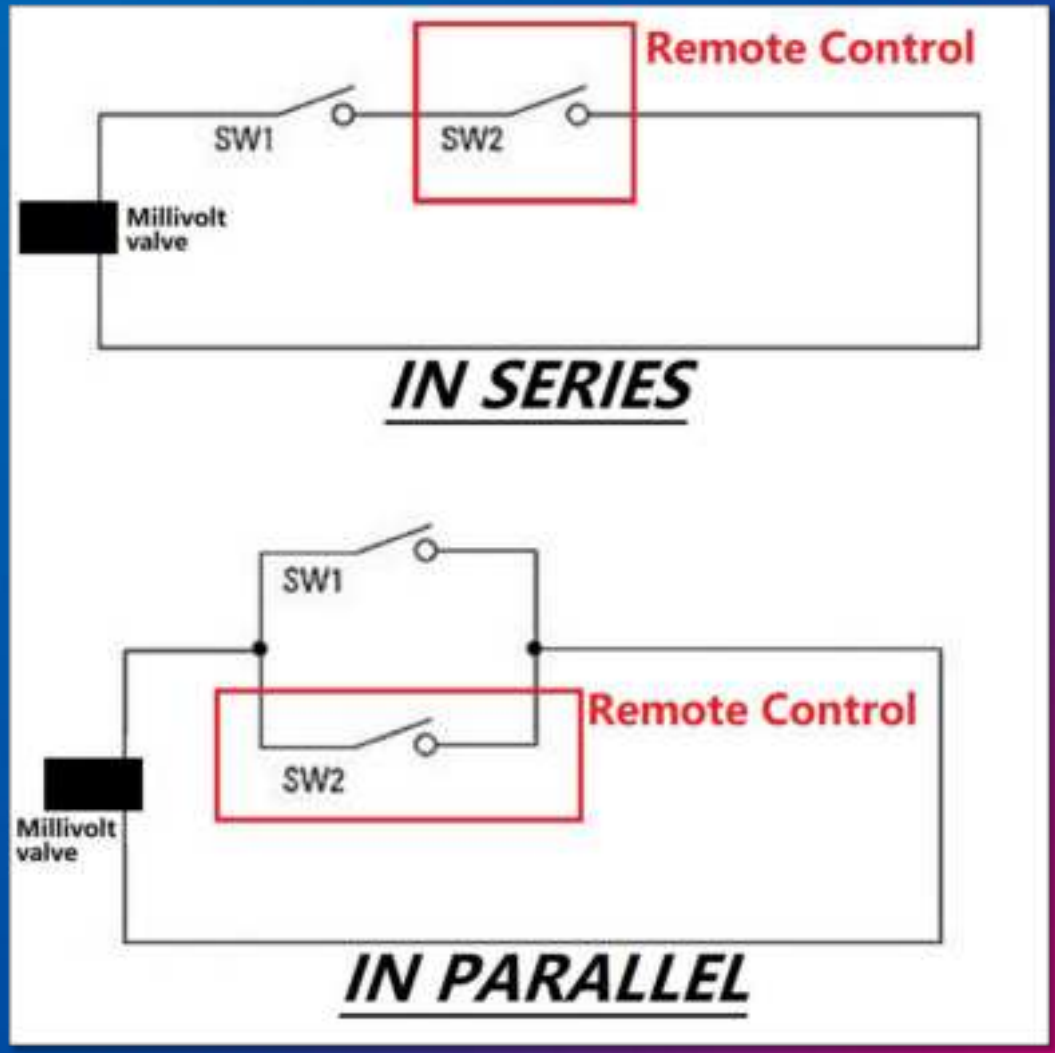
Add a smart home remote control to your fireplace by connecting it with the wall switch (or any types of fireplace ON/OFF, thermostat switches).

(a) Wiring IN SERIES with existing wall switch:

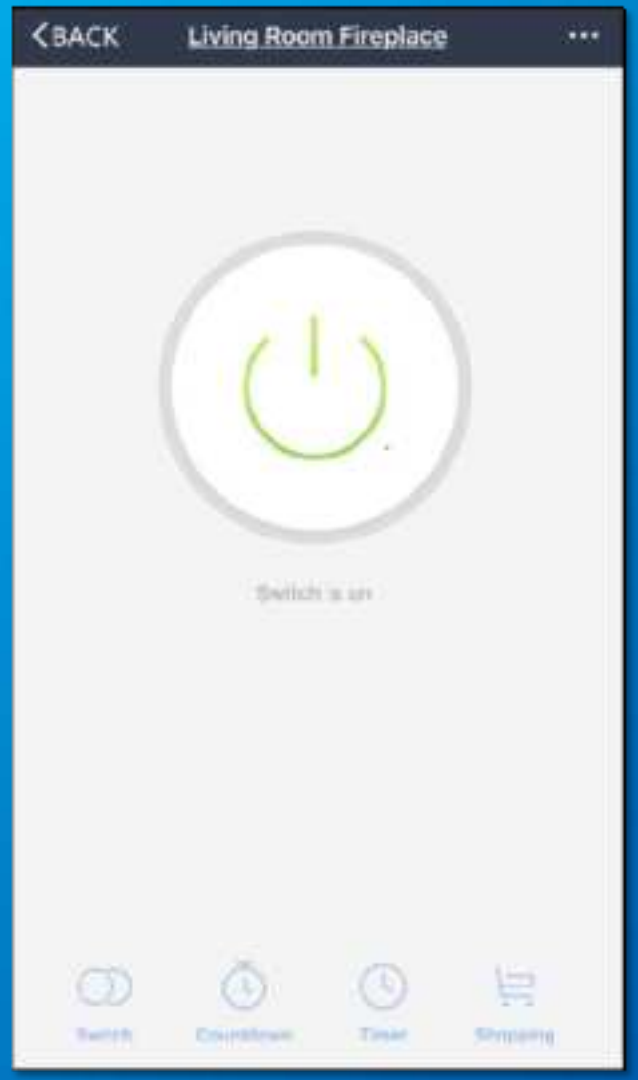
	WALL SWITCH		REMOTE CONTROL	RESULT
1.	ON	+	ON	= Fireplace ON
2.	ON	+	OFF	= Fireplace OFF
3.	OFF	+	ON	= Fireplace OFF
4.	OFF	+	OFF	= Fireplace OFF

(b) Wiring IN PARALLEL with existing wall switch:

	WALL SWITCH		REMOTE CONTROL	RESULT
1.	ON	+	ON	= Fireplace ON
2.	ON	+	OFF	= Fireplace ON
3.	OFF	+	ON	= Fireplace ON
4.	OFF	+	OFF	= Fireplace OFF



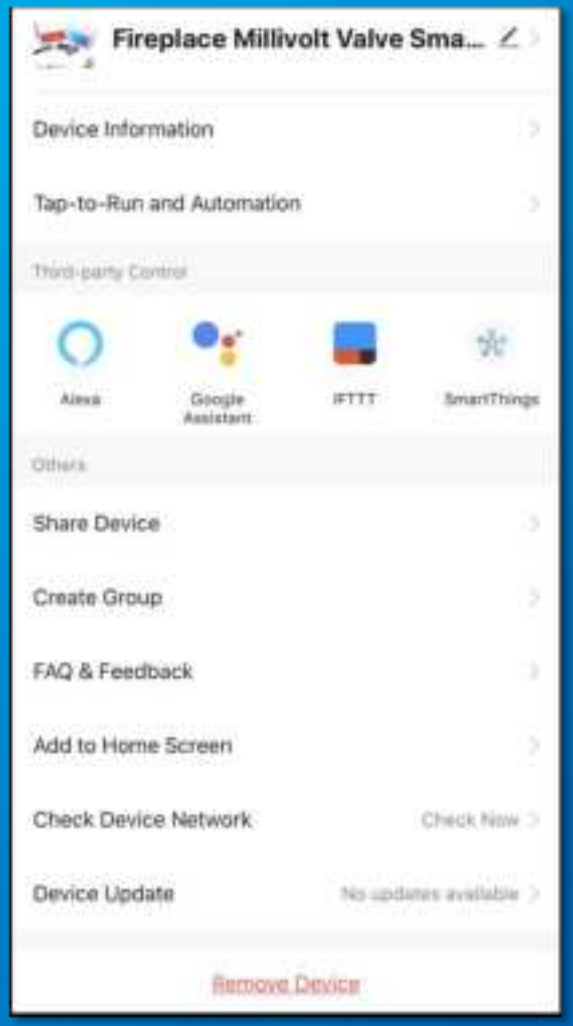
3 REMOTE CONTROL (1) WITH SMART LIFE APP



Functions: (see buttons on bottom)

- Switch ON / OFF the device manually.
- Set Countdown, counting down to turn ON / OFF the device automatically.
- Customize Timer sets to turn ON / OFF fireplace with programmable schedule automatically.
- Go Shopping or get support on www.PayandPack.com webstore.

3 REMOTE CONTROL (2)
SUPPORTED THIRD-PARTY CONTROL / APP



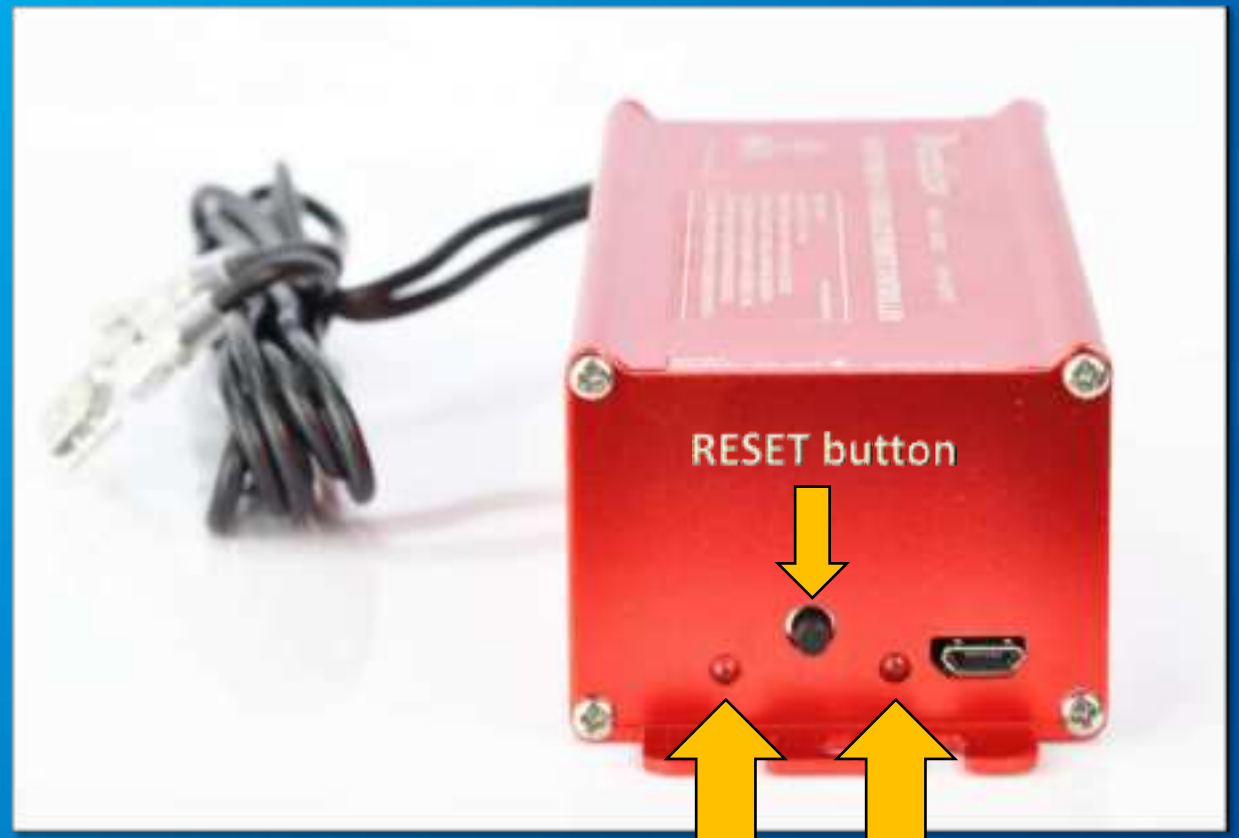
Pic. 1

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. IFTTT (App): Design your own Applets.
4. Samsung SmartThings Hub Gateway

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

3 INDICATOR LIGHTS



ON/OFF indicator:

- Light ON = Switch is ON
- Light OFF= Switch is OFF

Tips:

(Press the RESET button quickly at the side of controller box to operate manual ON/OFF)

Setting indicator:

- Light ON = WiFi connected
- Light OFF = Offline or no power
- Light rapidly blink = EZ mode (defult mode)
- Light slowly blink = AP mode

3 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 HANDSET LEARN button 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.
5. Press the HANDSET LEARN on RECEIVER BOX for 1 second, the LED light (A) will quick blink.
   While LEDs are Quick-Blinking, the TRANSMITTER & CONTROLLER BOX are in pairing status.
   Once pairing is completed, the quick blinking will stop, and you can switch ON/OFF the main power of the controller box from transmitter handset.
6. If pairing failed, please make sure the batteries in transmitter are new or fully charged, and repeat steps 1-5 again.
   Any questions, please email to info@payandpack.com, or visit www.payandpack.com > "Contact us".

4

FAQ & WARRANTY

4 FAQ (1/3)

1. Can not turn on fireplace?

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

All 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.

2. What AA, AAA battery brand to use?

A: Choose Leak-Proof AA, AAA batteries.

We strongly recommend the Energizer AA & AAA Lithium Batteries or equal quality batteries 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.

4 FAQ (2/3)

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

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

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

A: Yes! Even better, additional benefits of Timer, Schedule, working with your Amazon Echo / Google Home speaker. No more battery replacement, malfunction and downtime when low battery.

5. Can I share this device with others?

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

6. Can I turn ON/OFF if no App, no phone, no network?

A: Yes. Just press the RESET button manually at the side of controller box to operate ON/OFF.

4 FAQ (3/3)

7. Types of wiring this device to my fireplace?

A: (a) Connect to Millivolt Valve: Adding an optional remote receiver by connecting the TH/TP, TH on Millivolt valve. These terminals are originally designed for a room thermostat.

(b) Replace On/Off wall / manual switch or thermostat.

(c) Connect to Electrical Outlet Box: Adding an optional remote receiver at the 24VAC power (output) of electrical outlet box.

(d) Switches In-Series or In-parallel: Adding remote receiver into an existing wall / manual On/Off switch or room thermostat with remote receiver. See results in Fig 1.

Wiring IN SERIES with existing wall switch:

Wall switch ON + remote control ON = Fireplace ON;
Wall switch ON + remote control OFF = Fireplace OFF;
Wall switch OFF + remote control ON = Fireplace OFF;
Wall switch OFF + remote control OFF = Fireplace OFF.

Wiring IN PARALLEL with existing wall switch:

Wall switch ON + remote control ON = Fireplace ON;
Wall switch ON + remote control OFF = Fireplace ON;
Wall switch OFF + remote control ON = Fireplace ON;
Wall switch OFF + remote control OFF = Fireplace OFF.

Fig. 1

4 WARRANTY

- Durablow® warrants this product for a 2-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 for the FIRST 2 years of this warranty. 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 & PayandPack will reserve the right to physically inspect the product for defects, by authorized representatives.

4 NOTE

Durablow®

info@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