Opro9 Smart Power Outlet

-User Manual

Model Number: FHH107

Preface

Cvilux reserves the right to revise this publication and to make changes in the content hereof without obligation to notify any person or organization of such revisions or changes

➢ Manual Revision

Revision	Date	Note
1.0.0	March 31th ,2016	Initial Release
2.0.0	October 24th, 2017	Add FCC Interference Statement. (Page 13)

➢ Trade Mark

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Before You Begin

➢ Safety Issue

Please read all of the safety requirement sand operating instructions before using your device:

1. Do not open the device or attempt to repair or service it.
2. Use the device in a dry location, and avoid placing it in a humid environment.
3. Do not submerge the device in liquid or attempt to clean it with liquids or solvents.
   to clean the device, disconnect from the power outlet and use a damp towel.
4. This device should only be used indoors.

Requirements

General Requirement	➢ Wireless Router with Internet connection
	➢ Available power outlet or power strip
System Requirement	➢ iPhone , iPad or iPod touch with iOS 8.3 or latter
	➢ App (e.g..HMCatalog)
	➢ iCloud Account
	➢ Apple TV (model A1469 or latter)with software 7.0 or latter version

Hardware Outlook -LED and Button

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1	Power Outlet		Connect with the appliances, lamps, and other electronic devices	
2	Status LED	Power	Solid Green	Power Outlet is turn on
		Wi-Fi	Blinking Blue	Before WAC
		Identify	Blinking Red	Identify your smart outlet
3	Reset		Press Reset button to start the WAC access for your local network	
4	Power Plug		Plug this socket into a wall socket or a power strip	
5	Power Button		Press to switch On/Off socket	

Installation and Setup

To install your smart outlet, the first step is download the "HMCatalog" app to your iDevice and make sure your iOS version is 8.3 or latter

iDevice means iPhone or iPad devices

➢ Step 1 : Plug your smart outlet into a wall or power strip

➢ Step 2 : Press the Reset button (2 to 3 sec),
check the Blue LED is blanking or not (Figure 1)

Figure 1: Press Reset before start to access the network

➢ Step 3 : Add your *iDevice** to the Wireless network. (Figure 2)
  Note: Check your SSID of your wireless router and enter correct password
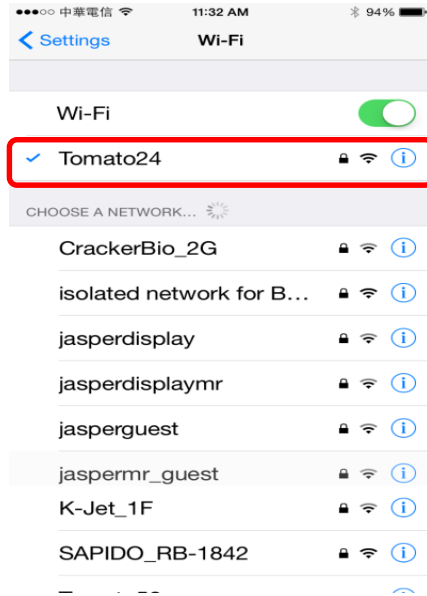   ** iDevice means iPhone or iPad devices*

Figure 2: Add iDevice to Wireless Network

Figure 3: Add Homekit accessory to wireless network

➢ Step 4 : Add new device under the follow path on your *iDevice*
        Setting ⇒ Wi-Fi⇒ Add New Device ⇒ Select the Accessory
          ⇒Tap "***Add***" to join the network (Figure 2) and Tap "***Finish***" when
            you join the network successfully

Note: The default device name is called iU9_Smart_Outletxxxx
      (*where xxxx is the last 4 digits of MAC address*)

➤ Step 5 : Launch "HMCatalog" app , select the "Configure" folder , then create the name of Home and Room (Figure 4)

➤Step 6 : Browsing the unpairing accessories (Figure 5), press the "Identify" to search your accessory   (Red LED will be blanking)

➤Step 7 : Inserting the PIN code to add the accessories (Figure 6)
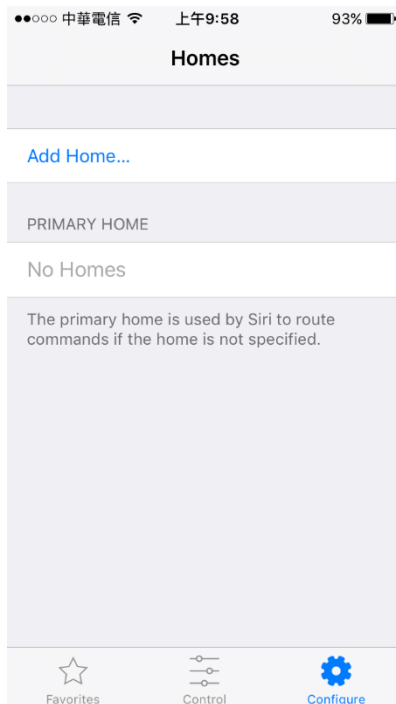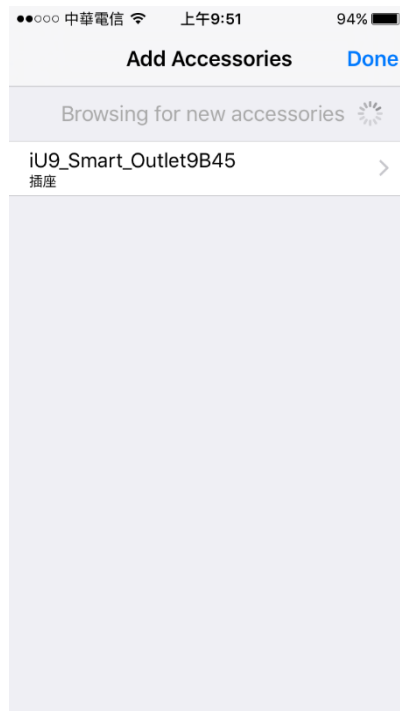

Figure 4: Add Home

Figure 5: Browsing for new accessories

Figure 6: Insert PIN code (8 digits)

➢Step 7 : Select "Control" folder ,then chose the Room where you assign the accessories to add (Figure 7)

➢Step 8: Plug in the external device to your outlet and check the status of "outlet in use" is changed or not from app (Figure 8)

➢Step 9: Switch "*on*" the power state and check the Power LED if it is solid green (Figure 8 and 9)
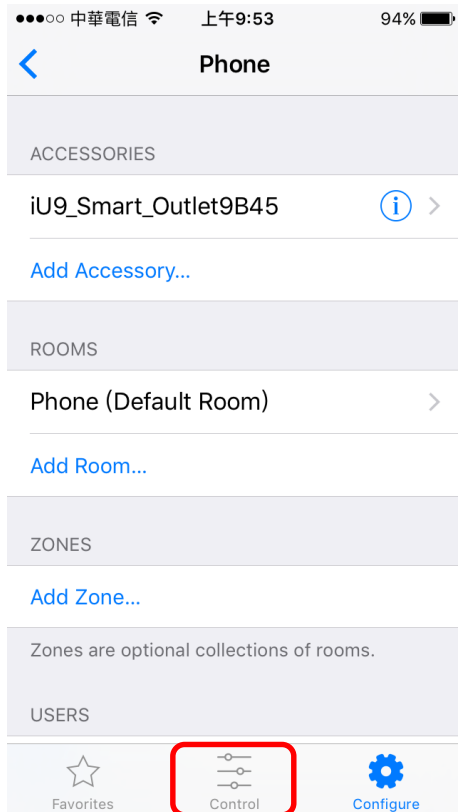

Figure 7: Select "Control" folder
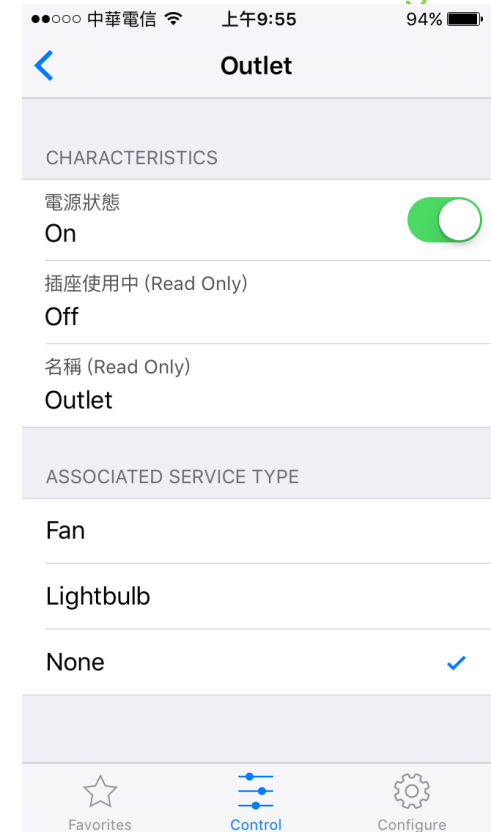

Figure 8: check the "outlet in use" status

Figure 9: check "outlet in use" status

Troubleshooting

Phenomenon /Checking Point		Solution
Smart Outlet can **not** be found on your apps	Check whether Wi-Fi connection is already connected on your iOS device	Turn on wireless router and re-join network
	Check smart outlet whether it already join your Wi-Fi network successfully	Join your Opro9 Smart Power Outlet to your wireless network
	Check whether the Wi-Fi indicator is activate and its LED (blue color) blinking frequency become much higher	
	Check smart socket whether it is already pairing successfully ? The setup(PIN) code is right ?	Quit and close the Homekit app, then reset the Homekit configuration under privacy setting
	Does it already check all above checking points but it still does not be solved ?	Reset your Opro9 Smart Power Outlet
The iOS device is connected to the smart outlet correctly but apps does not work properly		Restart the Homekit apps application or reconnect iOS device with the wireless router.
The smart outlet apps seems much delay once we execute the switch command		Check the traffic status of your network and close the high traffic consumption application software in your local network
During searching and adding new accessories on Homekit apps, multiple accessories are appeared.		Use "identify function" to search your desire smart outlet
I lost my setup (PIN) code		Please contact your local service representative
Siri can not work		1. Please check "Setting"→"General" →"Siri" → Siri feature is enabled 2. Please check internet connection
Siri voice assistant can not recognize my voice		1. Please check the Siri language setting 2. Please try the voice command like "turn on/off my light" 3. Please check the voice command suggestion with Cvilux Engineer

Technical Specification

➢ **Wi-Fi Spec.** - 802.11 b/g/n
  - 2.4GHz
  - WPA   Personal
  - WPA 2 Personal

➢ **Power**
  - Input AC 100 to 125 V @ 50/60Hz (US)
  - Power Consumption : 5W (max.)
  - Max. external load : 1500W (US)

➢ **Status Indicator**
  - Power Switch (Solid Green)
  - Wi-Fi Status   (Blanking Blue)
  - Identify   (Blanking Red)

➢ **Function**
  - Switch On/Off
  - Metering (option)
    - Line Voltage (AC)
    - Current (AC)
    - Power   (AC)

➢ **Dimension (w/o metal prong)**
  - 54 (W)x 115(L) x 42(D) (mm)

➢ **Certification**
  - FCC
  - IC
  - ETL
  - Wi-Fi Certification

➢ **Temperature**
  - Operating : 0 to 40°C(32 to 104 °F)
  - Storage : -20 to 65°C(-4 to 149 °F)

➢ **Humidity**
  - Operating: 10% to 90% non-condensing
  - Storage   : 5% to 95 % non-condensing

Federal Communication Commission Interference Statement

This equipment 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. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

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

Canada statement

-English

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement:

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

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISEDétablies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.