

PREMIUM TOUCH CURTAIN CONTROLLER**ITEM: TC2-05-1****ITEM DESCRIPTION: 2 GANG 350W MODULAR TOUCH CURTAIN CONTROLLER,
TC1-05-1 (IN BUILT UART WIFI MODULE GWF-KM26)****VERSION: V1.3****DATE: 2024-07-25****1. Product Instruction****1.1 Product Overview**

The Modular Touch Curtain Controller should be used in conjunction with free APP. The device allows you to control motorized curtain from anytime and anywhere, making your home more comfortable and more convenient. Furthermore, with intelligent speaker, we can turn operate the device via voice command.

1.2 Product Figure



2 Channel 350W Modular Touch Curtain Controller, TC2-05-1 appearance:

**1.3 Product Function**

- High quality of Touch Button switch, control 2 nos. of motorized Curtains simply by touching button
- Works with Alexa/the Google Home , you can control the device via voice command
- Advanced Wi-Fi access technology, users configure network one

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step intelligently by APP

- Control Curtains from anywhere by APP with Wi-Fi/4G access (Local and Remote)
- Open the curtain with “” and again touch the same button to pause opening the curtain.
- Close the curtain with “” and again touch the same button to pause closing the curtain
- Set schedule: Open/Close your curtain based on specific time you set
- User-defined scenes- Group control
- Multiple users control
- Support STA and AP work mode
- Control history view
- Support 2.4GHz WiFi

1.4 Works with Alexa and the Google Home

The Modular Touch Curtain Controller works directly with Amazon Alexa and the Google Home, you can manage your devices through voice command to open/close the curtain. Assign a name to each Modular Touch Curtain Controller and communicate with each Modular Touch Curtain Controller by name when making a voice command, Users could purchase these intelligent speakers like Alexa or Google Home from the market for convenient usage.



Amazon Echo Google Home

2. User Guide

2.1 Prerequisites

- The Modular Touch Curtain Controller support local/remote control via

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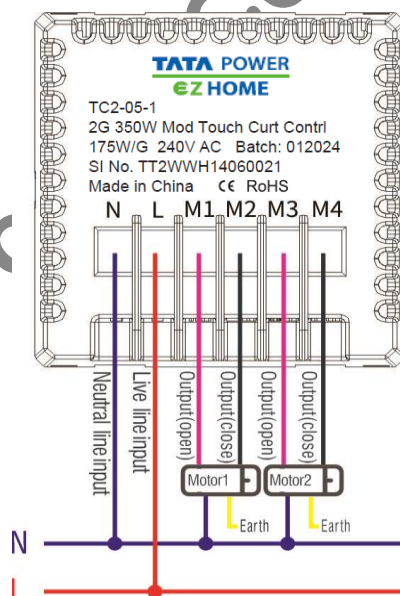
2.4GHz WiFi wireless technology, the device must be used in the environment where 2.4GHz WiFi network is available, and the user must know the WiFi network name and corresponding password.

- Special Tips: the Wi-Fi network switch connected generally does not need special adjustment, only in a few case, users may need to check working status of Wi-Fi router: Connected devices number, Wi-Fi signal status or the state of surrounding Wi-Fi network.
- To connect controller to WiFi router, users need to download and install corresponding APP and complete device pairing via APP.
- There is power limitation for load, please note that the max output power is not more than 175W/Channel with 240V, 50Hz AC power input
- If customers need to voice control the product, please purchase the intelligent speaker correspondingly, configure the speaker according to user guide.

2.2 Wiring mode

Note: Before wiring, please power off appliance first, cut off original power line, then wiring of Modular Touch Curtain Controller by referring to following figure.

Special note: The quantity of Curtain connected with Modular Touch Curtain Controller can be single or double.



Wiring Description:

Note: The lines sheathed in red is AC input, the lines sheathed in green is AC output

Pin	Identity	Function
L	AC Live line input (red line)	Live line, AC Live line input

N	AC Neutral line input (Blue line)	Neutral line, AC Neutral line input
M1	AC Live line output (Pink line)	AC live line output, connect to Curtain-1 Motor Open wire
M2	AC Neutral line output (Black line)	AC live line output, connect to Curtain-1 Motor Close wire
M3	AC Neutral line output (Pink line)	AC live line output, connect to Curtain-2 Motor Open wire
M4	AC Neutral line output (Black line)	AC live line output, connect to Curtain-2 Motor Close wire

2.3 Parameters

Parameters	Details
ON/OFF control	2 Channel
Grade Control	Curtain Control 0 - 100%
Data transmission	WiFi 2.4GHz
RF Module	GWF-KM26
Wireless standard	802.11 b/g/n
Rated Voltage	240 VAC
Maximum Output power	175W/channel
Material	PC flame retarding
Fire rating	UL 94
Dimension	48*50.5*46mm
Operating Temperature	-10°C~ +50°C
Operating Humidity	20%~85% (No condensing)
Application	Curtain Control
APP Support	Support Android6.0 and iOS11.0 or above
RF Range	30 meters indoor,45 meters outdoors

3. Configuration Preparation

3.1 APP Download

The APP is compatible with Android 6.0 and iOS11.0 or above system. iOS users could search the APP in App Store. Android users could search the APP in Google Play.

APP name: "TATA Power EZ Home"



Tata Power EZ HOME

(QR code TATA Power EZ Home for both Play Store & App Store)

3.2 WiFi Work Mode

Once connection successfully, the device will work in two work mode.

Work Mode	WiFi Control	Direct Control
APP local control	Yes	Yes
APP remote control	Yes	N/A
Alexa/the Google Home	Yes	N/A

*After connection successfully, users can set work mode in APP.

4. Add new device

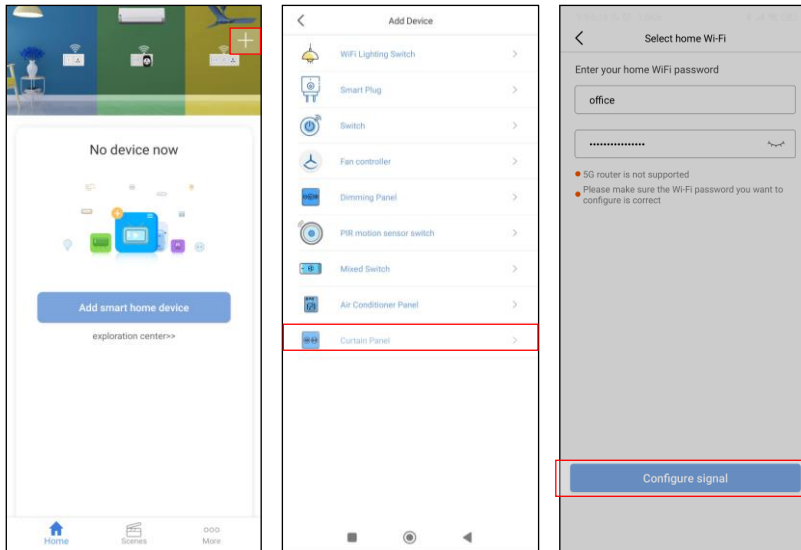
4.1 Easy mode add device

Make sure the wiring of Modular Touch Curtain Controller is completed and it is powered on. Connect cellphone to WiFi. (The device only supports 2.4GHz WiFi router), complete installation of “EZ Home” APP.

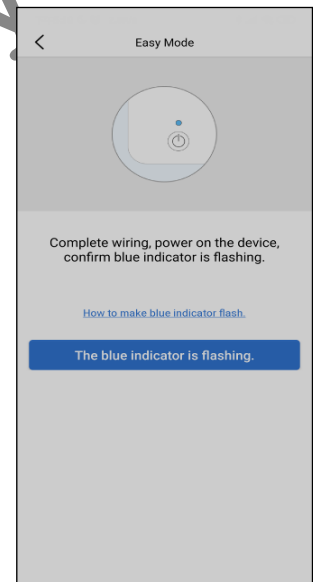
Step 1. Power on the device, search in App store/Google Play or scan QR code to install APP, connect mobile phone to 2.4G WiFi.

Open “EZ HOME ” APP, register and login, click “+”, select “Curtain Panel”.

Step2. Enter “Networking” interface, input current WiFi password. click “Configure signal”.



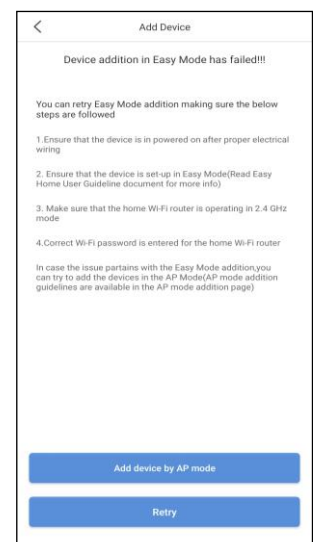
Step3. Check device status, after wiring and device is powered on. If blue indicator flashes quickly, please confirm directly. If not, please reset device: long touch Channel-1 Curtain open button for 5 seconds until blue indicator flashes. If yes, please confirm and process next step “Blue indicator is flashing”. Confirm and start connection.



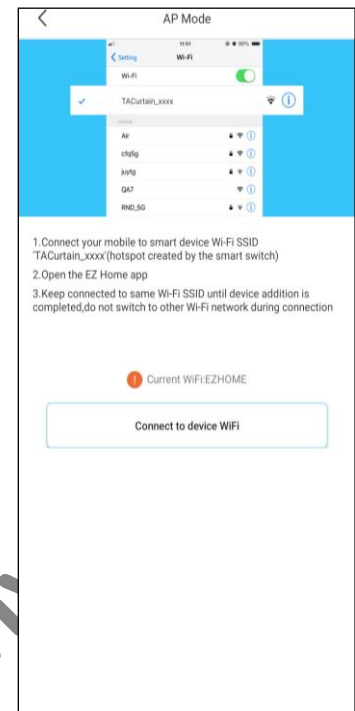
4.2 AP mode add device

Remark: This configuration is a supplementary configuration way, if you failed configuration in Easy mode, please try AP mode to add device.

Step1. If the configuration in easy mode failed, you will find following page, Click “Add device by AP mode” button to add device. Please confirm the blue indicator starts flashing slowly.



Step2. According to page prompt, go to WLAN setting in your smart phone and click to “Connect device WiFi” and then select the “TACurtain_XXXX”, no need to input password.



Step3. Once you select the “TACurtain_XXXX”, go back to app, click ▼ to select WiFi and input password, click “Next Step” to start connection. Once devices configured successfully, you will find it in device list after connecting mobile with Wi-Fi router.

Remark:

1. If there is no Wi-Fi around Smart Switch, you can click ▼ select “direct control”, and the Smart Touch Panel Switch will work in direct mode, in this mode, APP can only local control for the Smart Touch Panel Switch.
2. if the device needs to be voice controlled by Alexa/the Google Home or remote controlled by APP. The device must be added in Wi-Fi network.

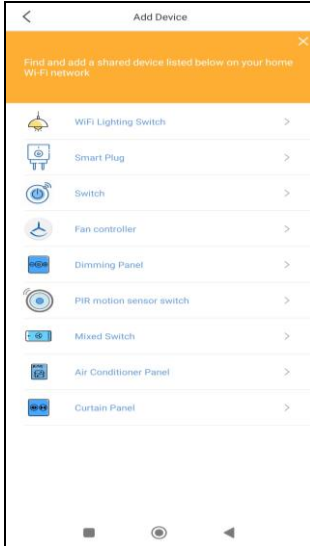


4.3 Shortcut Configuration

If the device has been configured successfully, users who want to control the modular touch switch just connect the mobile to Wi-Fi which the switch

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connected, then Open the APP, click orange prompt message to add device, after configuration, users can local control and remote control the curtain controller.



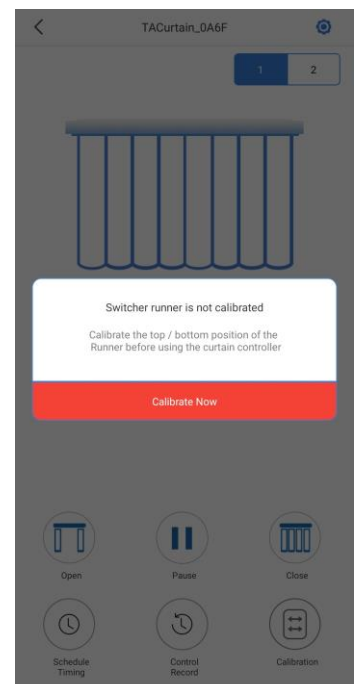
Remark:

1. Only administrator can turn on sharing mode, administrator is the first user account who is connected to smart touch switch.
2. Sharing mode is enable for default, if the administrator close the sharing mode in setting, the users can't find device via this configuration.

4.4 Calibration

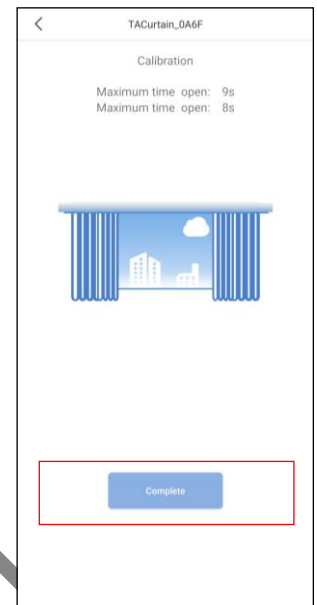
After the device configuration is completed, once you press the device button, the calibration process of the both the curtains starts one by one.

Step1. For Curtain-1, press the "Calibrate Now" option to start calibration.

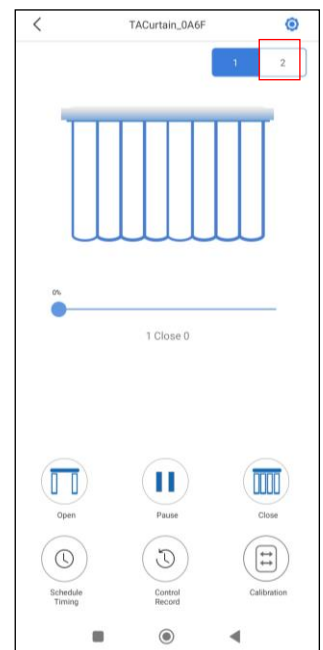


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Step2. At first the curtain starts to Close and once the curtains are fully closed, the curtain starts to Open and then displays the curtain Maximum Open time and Maximum Close time after 2 cycle of Close & Open operation of curtain motor. Press on "Complete" to finish Calibration of Curtain -1.



Step3. Once you press the "2", follow similar process to complete the calibration for Curtain-2



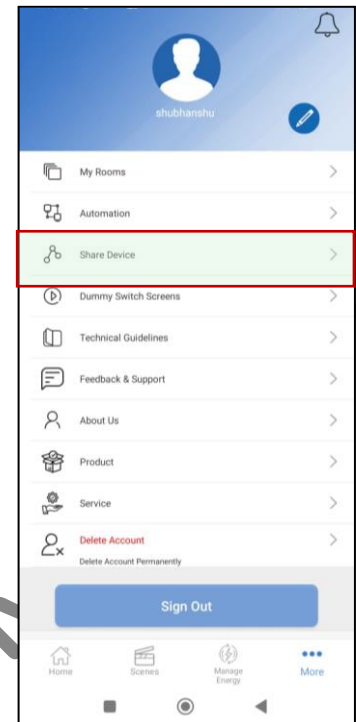
4.5 Share Configuration

If the device has been configured in STA mode, administrator can share the device to users to help them configure the device, the users who configure the curtain controller just need to keep the mobile in Wi-Fi/4G network.

Remark:

1. Only administrator could share device with other account

2. The users who is shared with modular smart WiFi curtain controller will receive prompt message in APP but do not have permission to share others again.
3. The user who is shared with modular smart WiFi curtain controller could local or remote control the curtain/blinds.



4.6 Wi-Fi Working mode

Modular Touch Curtain Controller Switch Wi-Fi working mode is “Wi-Fi control” mode and “Direct control” mode.

In “Wi-Fi control” mode: After mobile connected to Wi-Fi, users just need to input corresponding Wi-Fi password in “EZ HOME ” APP, when the device receive the router broadcast, it will connect to network automatically.

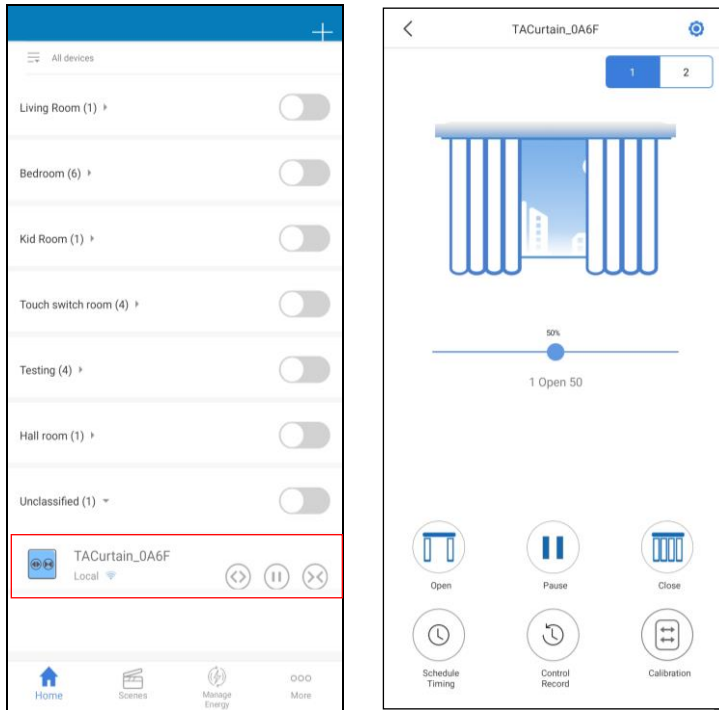
In “Direct Control” mode: when there is no Wi-Fi around the curtain controller, mobile phone is connected to Smart Switch Wi-Fi directly. Mobile phone connects to the Modular Touch Controller signal “TACurtain_XXXX ”.

If users want to connect in “Direct control” mode: Once you complete factory reset operation ,the blue LED will start flashing slowly after 60 seconds, connect mobile phone to Modular Touch Controller Wi-Fi “TACurtain_XXXX ” , enter networking and select “Direct control” then they can search and connect devices.

If users want to connect to “Wi-Fi control” mode (from “Direct control” mode), long press channel-1 Curtain Open button for 5 seconds till Wi-Fi indicator flashes quickly and try to add device again.

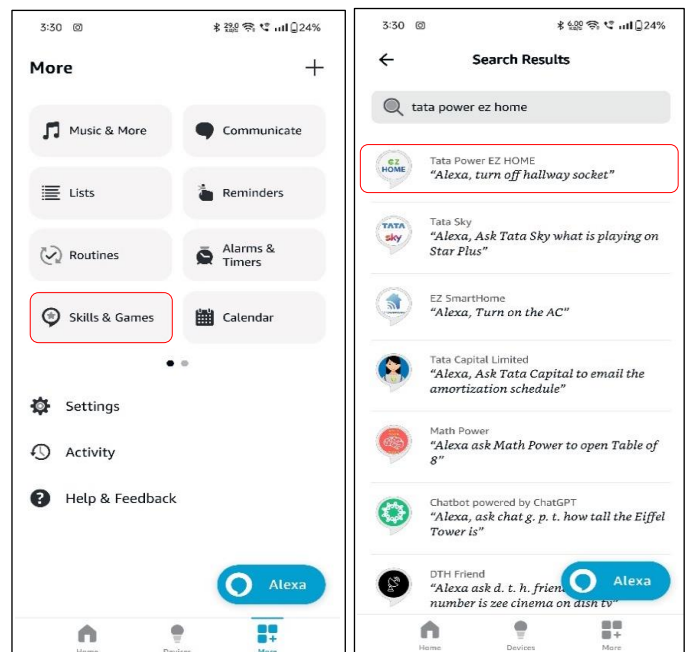
4.7 APP Control






Click device enter device control page, we can Open/Close/Pause, adjust curtain position for partial opening & Schedule operation.



4.8 Set “Alexa” App

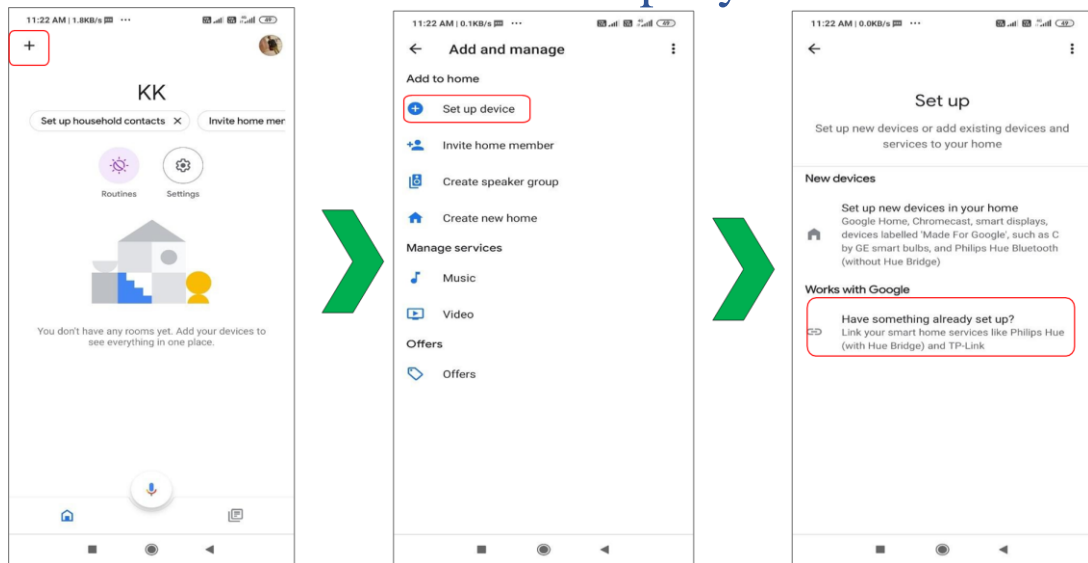
- Once user installs the Alexa APP, the APP will ask you to register, select language and enter your email, input verification code and create a password. If you could not see the verification code well, you can click the code button to refresh and input again.
- Once APP configuration is successful, long press corresponding device in APP device list to set a suitable name such as “CURTAIN” for your device, without unique names, you will be difficult to control the device via your voice with Alexa.



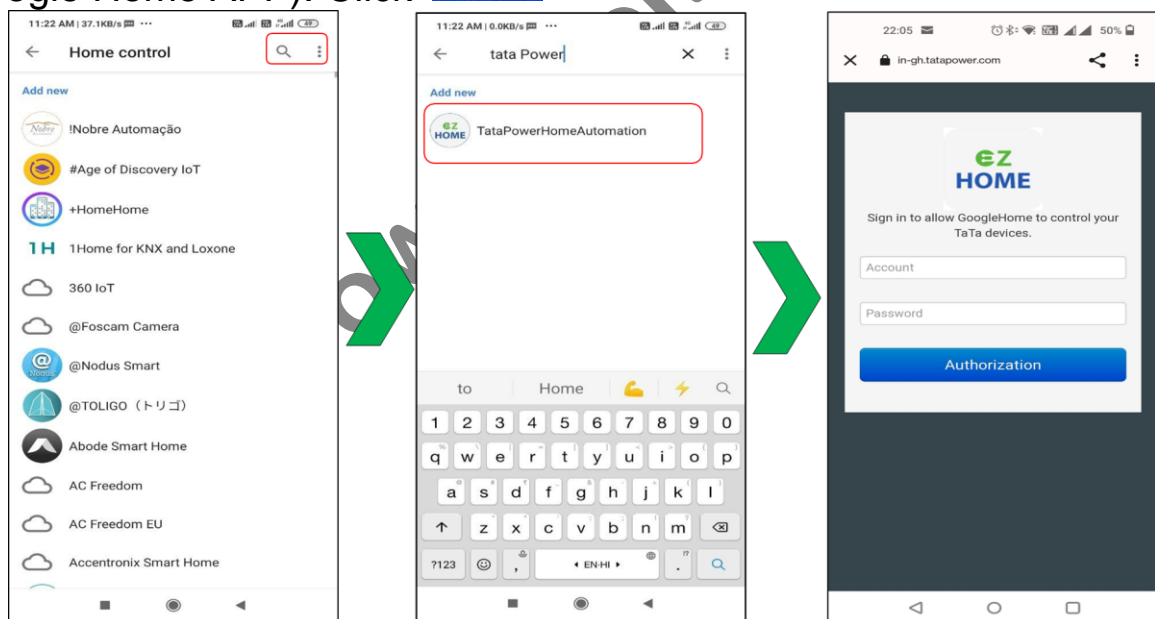
3. Open “Alexa” APP, click “More  ”
 4. Click” Skills and Games”
 5. Input “Tata Power EZ HOME” to search skills, click search
 6. Click “EZ HOME  ” and enter
 7. Click 
 8. Input your “EZ HOME” APP account and password which you have registered. (Attention: this is not the account and password of Alexa APP). Click 
 9. Close this window to discover smart devices you can control with Alexa
 10. Click , then looking for devices
 11. If successful, you will find the device list, then you can voice control the smart curtain controller with Alexa. Just say “Alexa, Turn on CURTAIN” to Open the curtains
 12. If failed, please check FAQs to find out reasons, then discover devices again. Click “Add Device”, Alexa will help you discover devices again
- Remark: If you rename the smart switch name in APP, you need to search device again in Alexa APP, then to control the switch via voice commands.*

4.9 Set “Google Home” App

1. Once user installs the Google Home APP, the APP will ask you to register & enter your email.
2. In the Home page, Select the “+” symbol
3. Select the “Set up device”
4. In the Works with Google section, select “Have something already set up”.



5. On the Search Tab, search for “TataPowerHomeAutomation”
6. Input your “Tata Power EZ HOME” APP account and password which you have registered. (Attention: this is not the account and password of Google Home APP). Click [Authorization](#)



13. Once the authorization is completed, Google Home will discover smart devices. Just say “OK Google, turn ON CURTAIN” to Open the curtains

Remark: If you rename the smart switch name in APP, you need to search device again in Google Home to control the switch via voice commands.

5. Disclaimer

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