

Smart Brain User Manual

2015.11.09

Contents

Prepare Smart Brain™ 3

- 1. Package Contents 3
- 2. Appearance 3
- 3. LED Status 3

Smart Brain Setting 4

- 1. Connect LAN cable 4
- 2. Power ON 4

Connect Internet 4

- 1. Connect to Wi-Fi Compatible Devices 4
- 2. Set Internet Connection 5
 - 2.1 Auto IP Type 5
 - 2.2 Static IP Type 5

Control Smart Brain 6

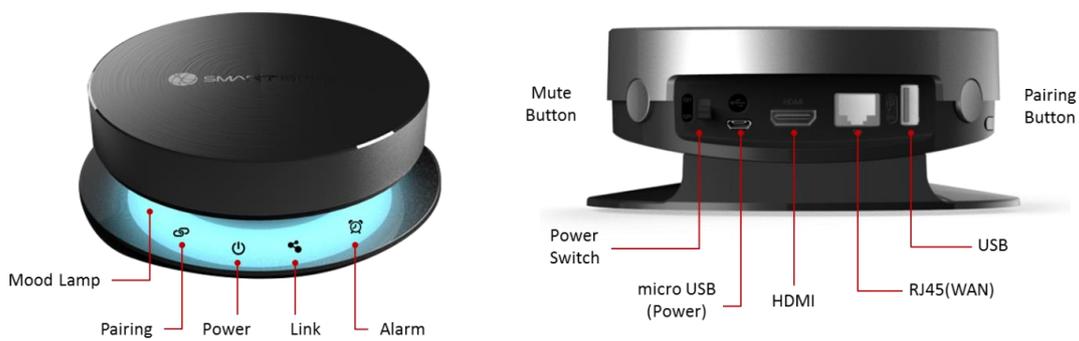
- 1. Sign up & Login to Smart Brain App 6
 - 1.1 Sign Up 6
 - 1.2 Login 6
- 2. Control Interworking Devices 7
 - 2.1 Z-Wave Device 7

Prepare Smart Brain™

1. Package Contents

- Smart Brain™
- User Guide
- Adapter
- LAN Cable

2. Appearance



3. LED Status



Status	
Power ON	Power LED : Blue (Solid)
WAN(Ethernet) Connected	Link LED : Blue (Solid)
WAN(Ethernet) Disconnected	Link LED : Blue (Blinking)
WiFi OFF	Link LED OFF
Alarm Status [Device or Schedule Alarm]	Alarm LED : Blue (Blinking) and Mood LED : Greenish Blue (Blinking)
Stand-by Status to connect Z-Wave devices	Pairing LED : Blue (Blinking) and Mood LED : Green (Blinking)
Firmware Updating	Alarm LED : Blue (Blinking)
Factory Reset	All LED : Blue (Blinking)

Smart Brain Setting

1. Connect LAN cable

- ① If you use an existing cable modem or the router, connect LAN port of cable modem or router to WAN port of Smart Brain™ by the enclosed LAN cable.
- ② If you do not have a modem or router, connect the Ethernet cable to WAN port of Smart Brian™.

2. Power ON

- ① Connect AC Adaptor to micro USB port of Smart Brain™ backside, and then connect to the power outlet.
- ② Turn on the on/off switch of left side of Smart Brain™ backside.
- ③ After all LEDs are turned on blue light, LED will be blinking in blue in sequence from left. Then power LED turns on blue light.

Connect Internet

1. Connect to Wi-Fi Compatible Devices

After connecting LAN cable to WAN Port of Smart Brain™, you can use internet on Smart phone, Tablet PC or PC which are connecting with Smart Brain™.

■ Connecting to the Wireless LAN (Wi-Fi) (i.e.: Windows 7 Standard)

- ① Turn on WiFi on the PC.
- ② Click 'Control Panel' on 'Start' Menu to select 'Network and Share Center'.
- ③ Select 'Connect to a Network'.
- ④ On Network Connection Setup Screen, find SSID 「sb_XXXXXX」 of this product described on the label of bottom of Smart Brain™ to connect it.
(XXXXXX refers to unique No. of the product)
- ⑤ Correctly input Network Key indicated on the label of Smart Brain™ Body and click 'OK' button.
- ⑥ Check if the internet has been connected using web browsers such as Internet Explorer, Safari, etc.

Memo

— Recommend changing default value of "Network Key" for security reasons.

2. Set Internet Connection

User can operate a Smart Brain™ internet connection setting by using Smart Brain App or Web Setting Page.

2.1 Auto IP Type

If using the Auto IP, you can use internet after connecting LAN cable to Smart Brain™ without any setting of internet connection.

- How to Set on [Smart Brain App] : [Smart Brain App > Setting > Network Setting > Internet Connection Setting] > Select [Auto IP] and touch [OK] icon
- How to Set on [Web Setting Page] : [Web Setting Page > Network Setting > Internet Setting] > Select [Auto IP] enable and click [Apply] button

2.2 Static IP Type

Internet of Static IP Type is not searched automatically.

- How to Set on [Smart Brain App] : [Smart Brain App > Setting > Network Setting > Internet Connection Setting] > Select [Static IP] and touch [OK] icon
- How to Set on [Web Setting Page] : [Web Setting Page > Network Setting > Internet Setting] > Select [Auto IP] disable and click [Apply] button

After selecting [Static IP], user has to enter external IP Address, Subnet mask, Gateway, Primary DNS and Secondary DNS address which are allocated from Internet Service Provider.

Then, enter the [OK] (or [Apply]) button to save settings.

※ User manual of [Smart Brain App] and [Web Setting Page] can be checked in [Control Smart Brain] page.

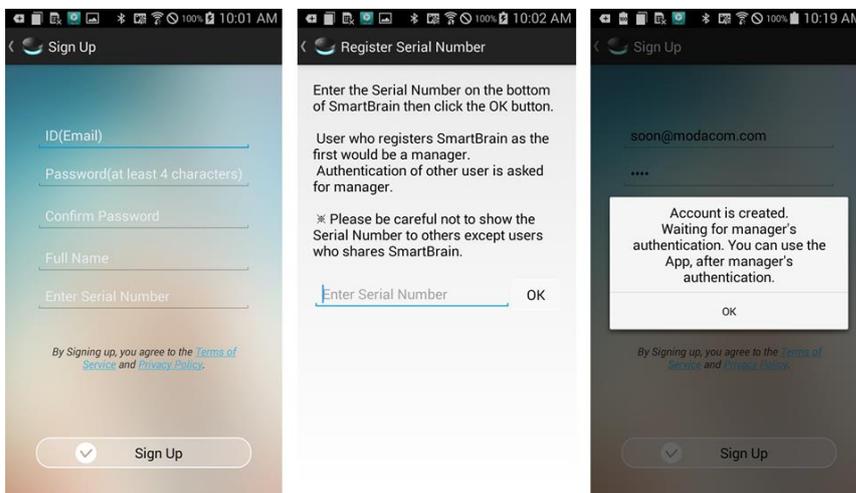
Control Smart Brain

1. Sign up & Login to Smart Brain App

1.1 Sign Up

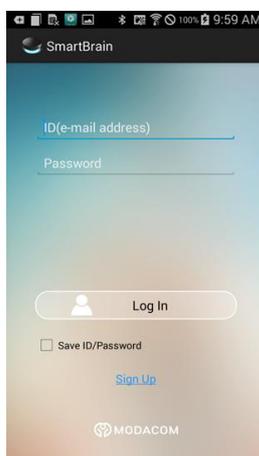
If you are a first user of Smart Brain™, you should register your ID and password.

- ① Move to “Sign Up” menu.
- ② Put User ID, Password, Confirmation password, and User name.
- ③ Enter Serial Number of the device that is on bottom of Smart Brain.
- ④ Press “Sign Up” button to add your account on Smart Brain.



1.2 Login

After Signing up account, enter the user ID and password for access to Smart Brain on login page. The check box is for saving user ID.



2. Control Interworking Devices

2.1 Z-Wave Device

2.1.1 Z-Wave general information

The Smart Brain™ can be operated with other Z-Wave certified devices from different manufacturers and/or other applications in Z-Wave network.

All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the on the device.

The Smart Brain™ do nothing if it receives a Basic Command. The Basic Command Class is used as a last resort to communicate if the device type is unknown to the controller.

Terminology	Description
Add	Add a new device or controller to the Z-Wave network.
Remove	Remove a device or controller from the Z-Wave network.
Reset	Restore to factory default for Z-Wave.

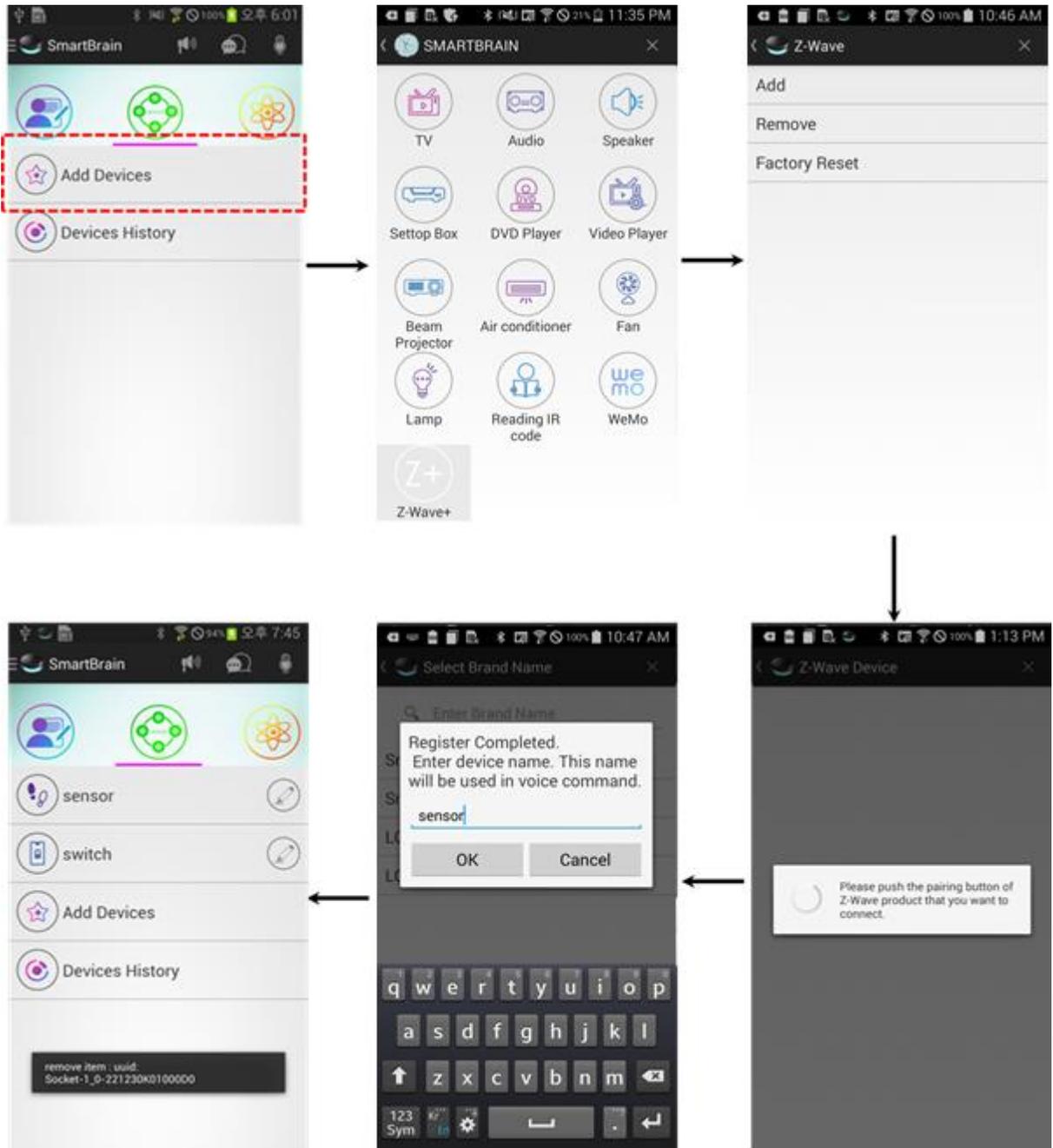
 Note	Including a node ID allocated by Z-Wave controller means “Add” or “Inclusion”. Excluding a node ID allocated by Z-Wave controller means “Remove” or “Exclusion”.
---	---

● Command Classes Controlled/Supported

Supported Command Classes	Controlled Command Classes
Z-Wave Plus v2	Z-Wave Plus v2
Version v2	Switch Multilevel v3
Manufacturer Specific v1	Switch Binary v1
Device Reset Locally v1	Alarm v3
Association Group Information v1	Door lock v1
Association v2	User code v1
Power level v1	Battery v1
CRC16 v1	Basic v1
Application Status v1	Security v1
Security v1	Wake up v2
	Association Group Information v1
	Association v2
	CRC16 v1
	Multi-Channel v4
	Version v2
	Manufacturer Specific v1
	Multi-Channel Association v3
	Power level v1
	All switch v1
	Door lock logging v1

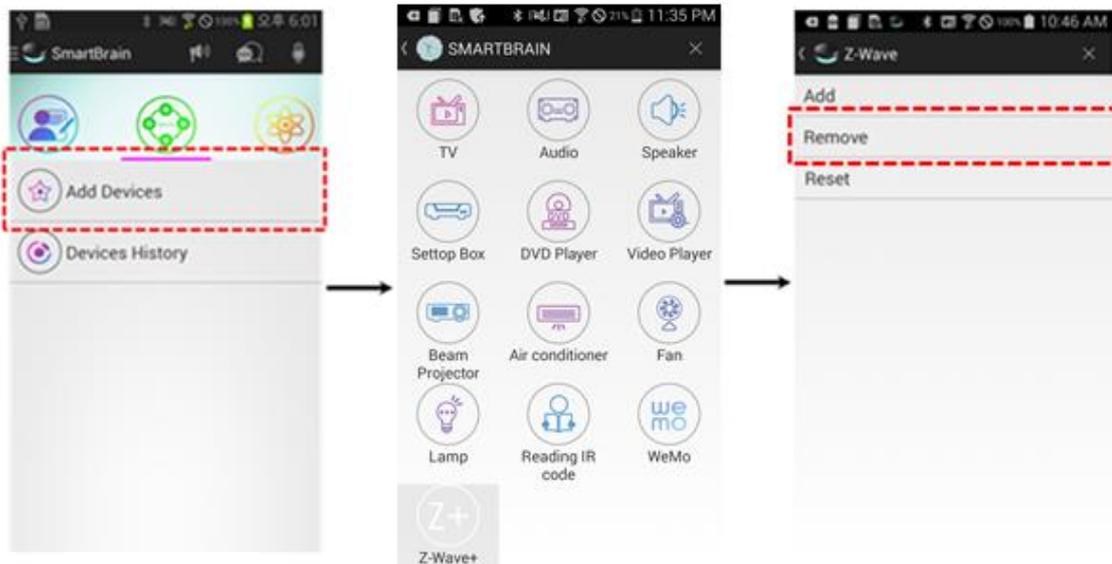
2.1.2 Add Device

To connect a device to Smart Brain™, press button “Add Devices” and press ‘Z+’ icon. When the list of Z-Wave commands is shown, press “Add” menu in commands. The addition of a device is confirmed with a triple press of a node button typically. Notification will be received. When the device is detected, the device in list of device is shown if the device is connected to Smart Brain™ normally.



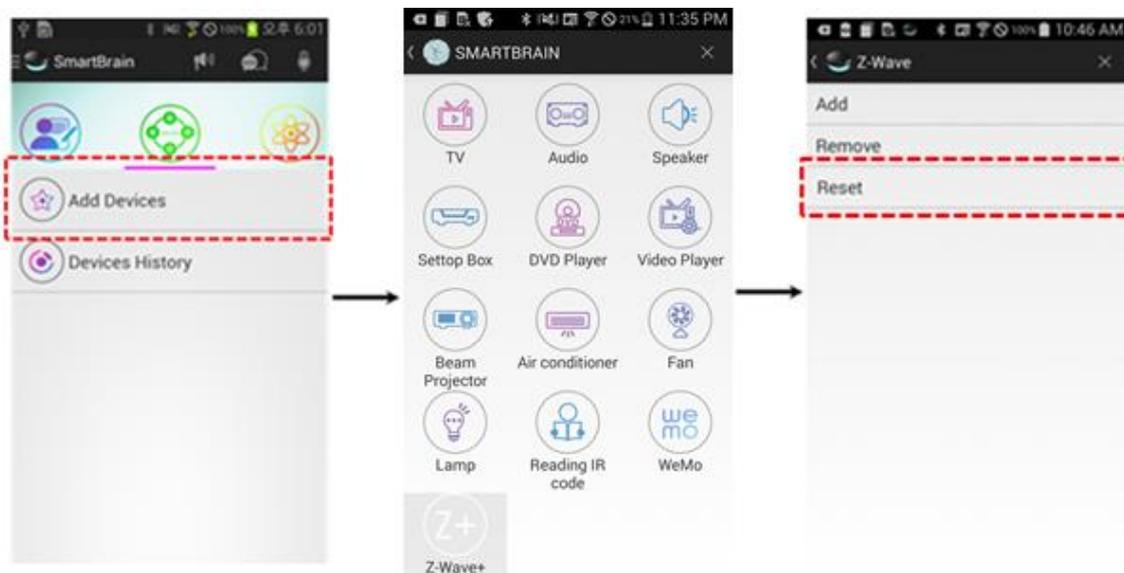
2.1.3 Remove Device

To remove a device from Smart Brain™, press button “Add Devices” and press ‘Z+’ icon. When the list of Z-Wave commands is shown, press “Remove” menu in commands. Removing a device is confirmed with a triple press of a node button typically. Notification will be received.



2.1.4 Reset Device

To reset a device Smart Brain™, press button “Add Devices” and press ‘Z+’ icon. When the list of Z-Wave commands is shown, press “Reset” menu in commands.

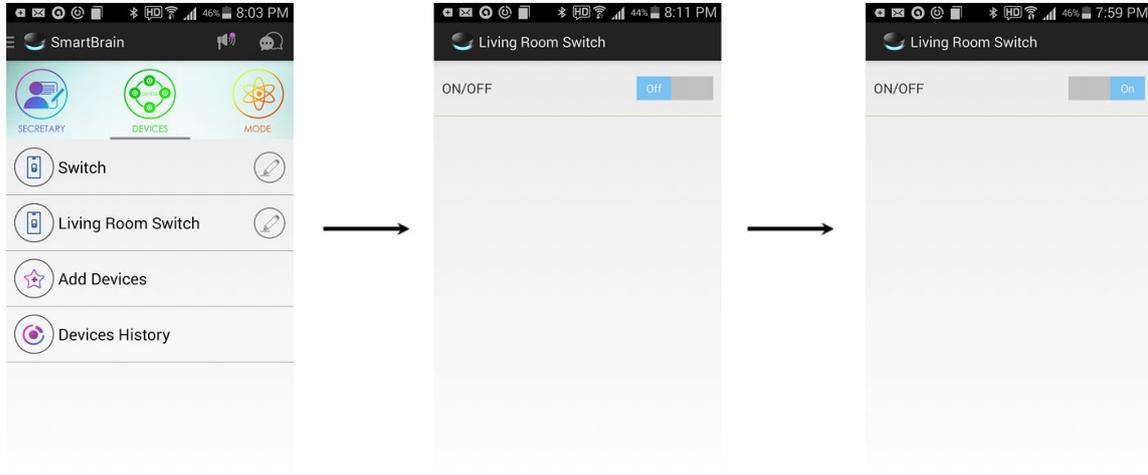


Note If you reset the device, the Z-Wave device will return to factory default and you will lose all your settings.

2.1.5 Control Z-Wave Device

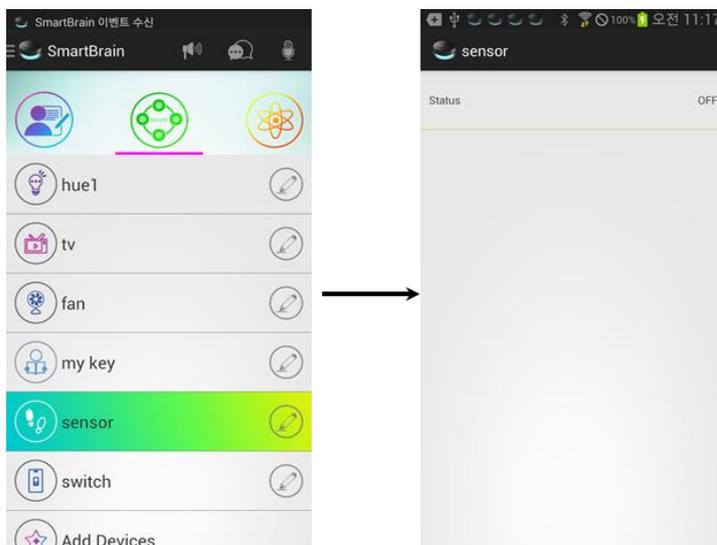
2.1.5.1 Binary Switch Type

To see status of end devices and control the device, a switch device is selected from list of added devices. User can switch on or off.



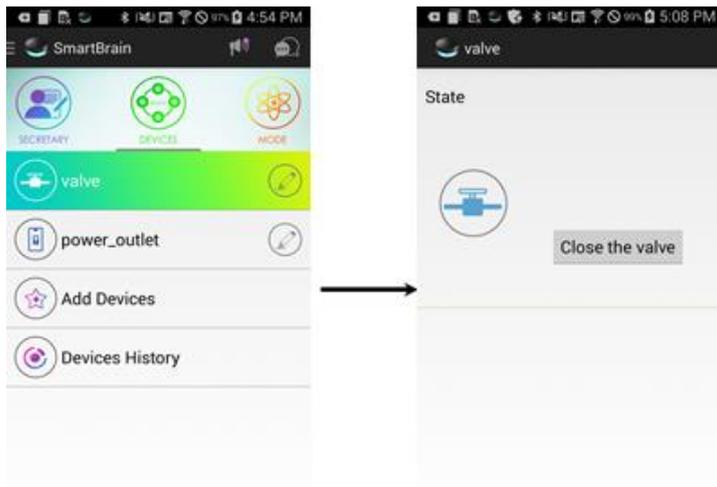
2.1.5.2 Sensor Type

To see status of end devices, a sensor device is selected from list of added devices. Sensor Status will be displayed.



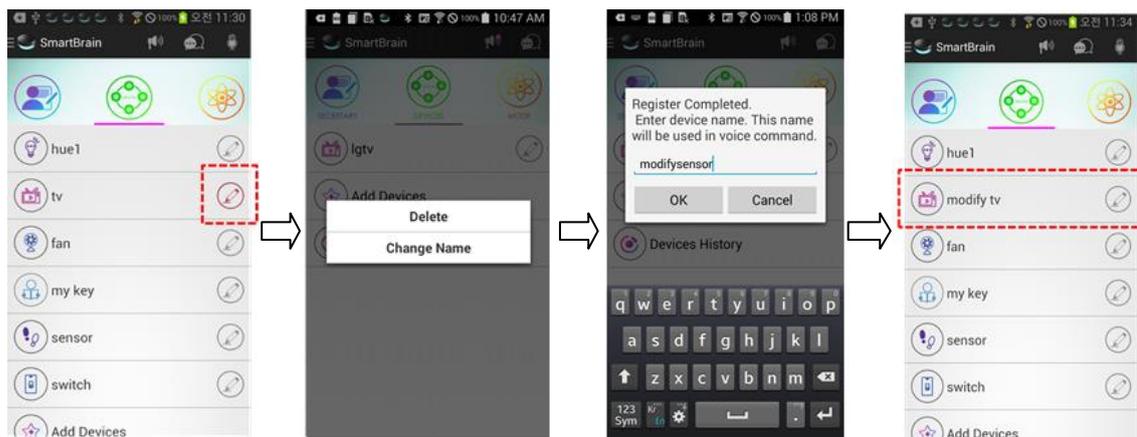
2.1.5.3 Open Close Valve Type

To see status of end devices and control the device, a valve device is selected from list of added devices. User can switch on or off typically.



2.1.6 Change Device Name

Press edit button on a Device page and press button “Change Name” at popup menu for a selected device to change the name of a device. Then the menu is shown to change the information of a selected device. The user checks if information is changed correctly.



2.1.7 Delete Device

Press edit button on a Device page and press button “Delete” at popup menu for a selected device to delete the device. Then the device is deleted from list of added devices.