New HDL ON Manual

APP Version: above Version 2.505252

Buspro Version: HDL Buspro Setup Tool 2 V10.05.08_Beta

Version: V1.0.0

Published on May. 29, 2020

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HDL Automation Co., Ltd.

Update History

The form below contains the information of every update. The latest version contains all the updates of all former versions.

No.	Version	Update Information	Date
1	V1.0.0	Initial release	May. 29, 2020

1 Use new Buspro Setup Tool 2

Note: please install the latest version of Burspro Setup Tool 2. The buspro software should be above HDL Buspro Setup Tool 2 V10.05.08. This is because only new HDL ON only can work with new HDL buspro2 software.

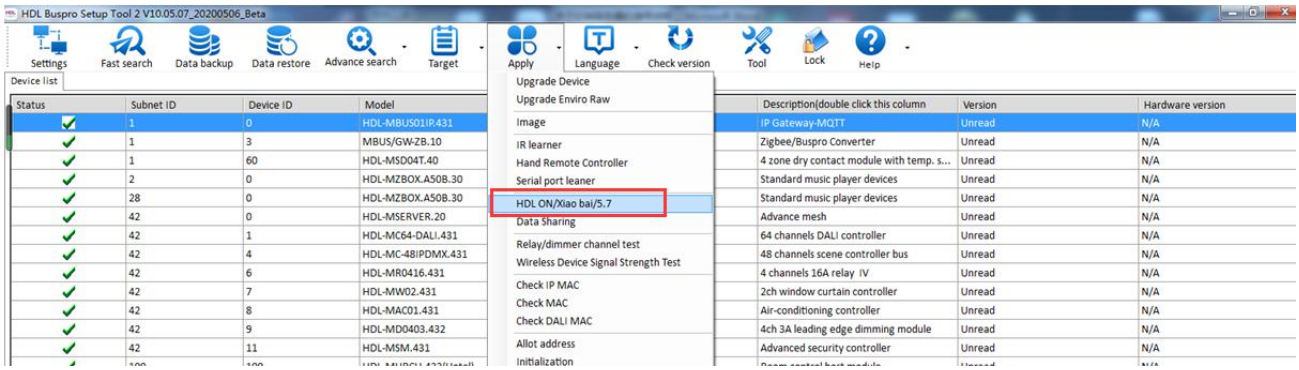
2 Download Data from Old HDL ON App

If upgrading the new HDL ON version, and it show yellow color on the top on HDL ON, it means the MAC of IP gateway didn't bind with HDL ON, need to upload the MAC of IP module to HDL ON from bupsro2 software to solve this issue.

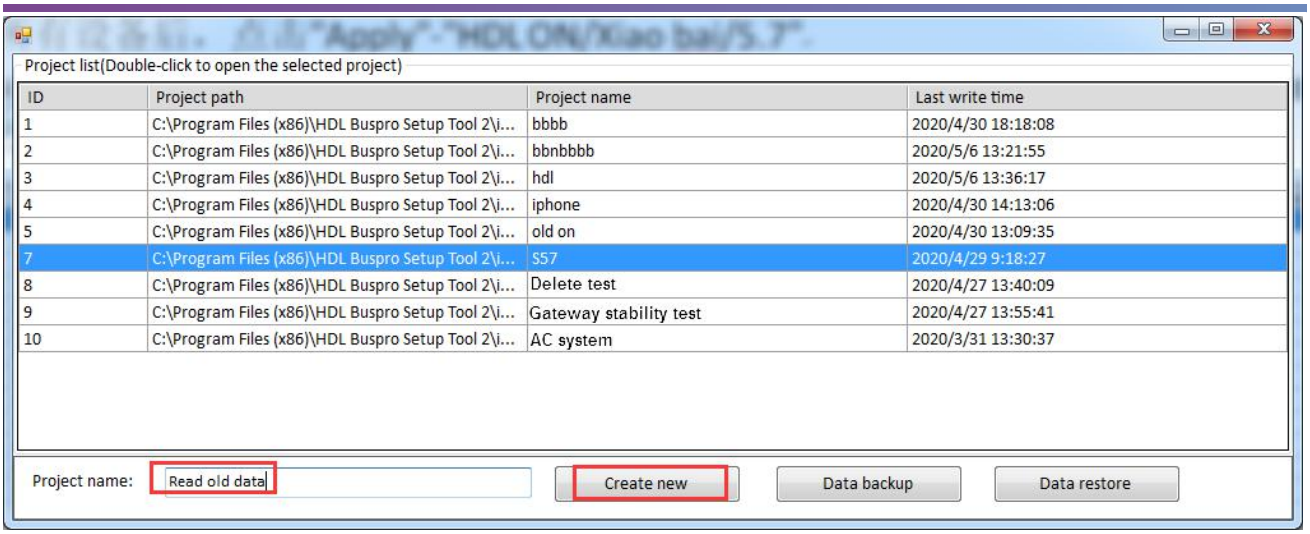
Old HDL ON app may be bound to or not bound to gateway MAC.

Condition 1:when old HDL ON app is not bound to gateway MAC, the instruction of upgrading new version of HDL ON app is as follows:

1. The mobile and the gateway should be in the same network.
2. After searching all devices, please click "Apply" →"HDL ON/Xiao bai/5.7".



3. Create one project: enter "Read old data" in "Project name"→click "Create new" (for reading data from old HDL ON app).

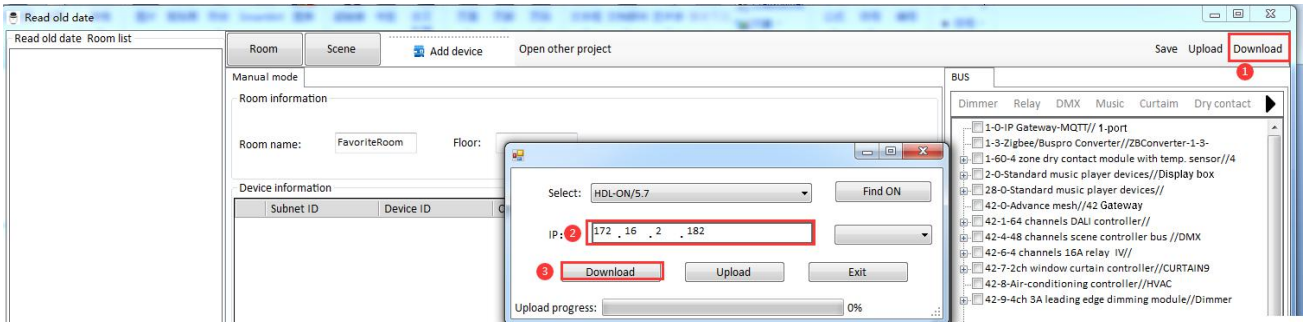

Project list(Double-click to open the selected project)
ID
Project path
Project name
Last write time
1 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... bbbb 2020/4/30 18:18:08
2 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... bbnbbbb 2020/5/6 13:21:55
3 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... hdl 2020/5/6 13:36:17
4 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... iphone 2020/4/30 14:13:06
5 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... old on 2020/4/30 13:09:35
7 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... S57 2020/4/29 9:18:27
8 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... Delete test 2020/4/27 13:40:09
9 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... Gateway stability test 2020/4/27 13:55:41
10 C:\Program Files (x86)\HDL Buspro Setup Tool 2\i... AC system 2020/3/31 13:30:37
Project name:
Read old data
Create new
Data backup
Data restore

4. Below figure shows how to download the data from HDL ON app.

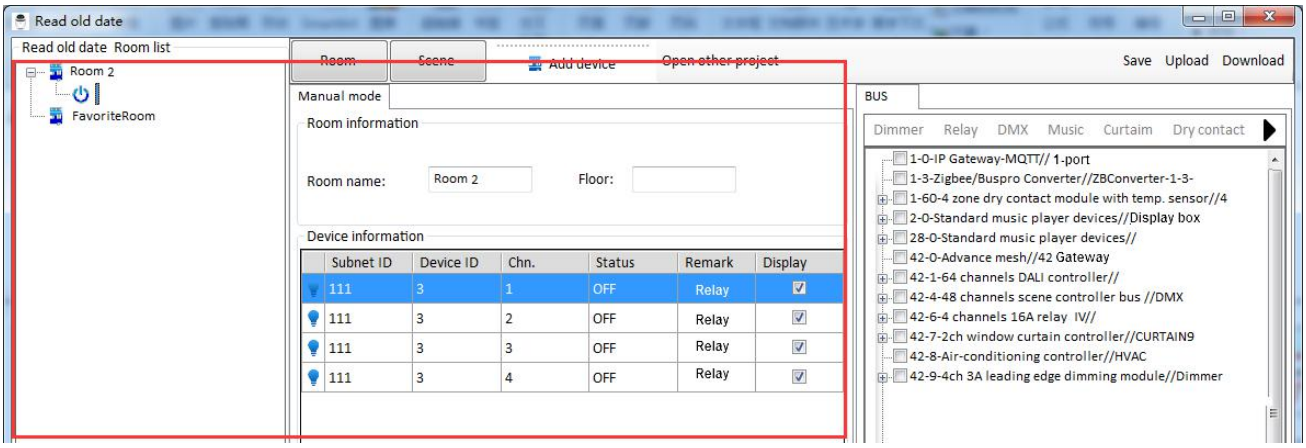
   1) Click “Download” at the top right of the page.

   2) Enter IP address of mobile and enable data receiving function on HDL ON app.

   3) Click “Download”.



5. Buspro Setup Tool 2 will automatically read all devices on HDL ON app. Figure 2-4 shows no gateway is bound to HDL ON app.



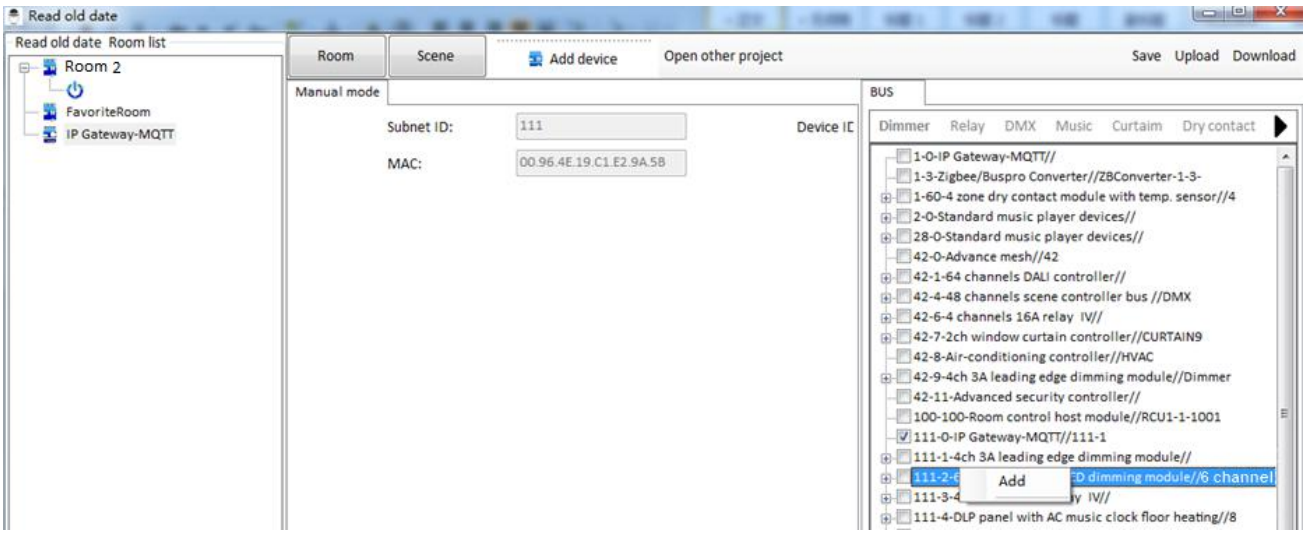
6. Next procedure shows how to upgrade the new version of HDL ON app.

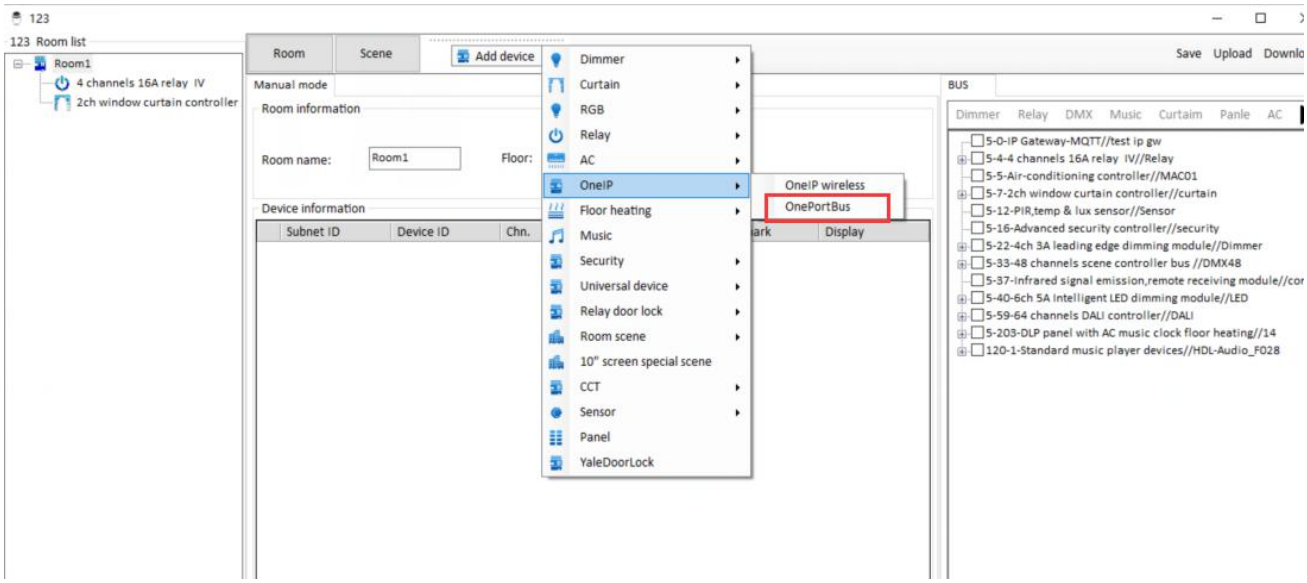
   Note: only after the new version of HDL ON app is bound to the gateway, can the app be used. The gateway can be added in Buspro Setup Tool 2.

   1) Select the required gateway.

   2) Right click and select “Add”. Buspro Setup Tool 2 will automatically add the gateway and obtain its MAC address, subnet ID and device ID.

   3) If you want to manual add the IP gateway, you need to add the IP gateway from “Add device –OneIP-OnePortBus”, and enter the subnet ID, device ID and the MAC address manually.

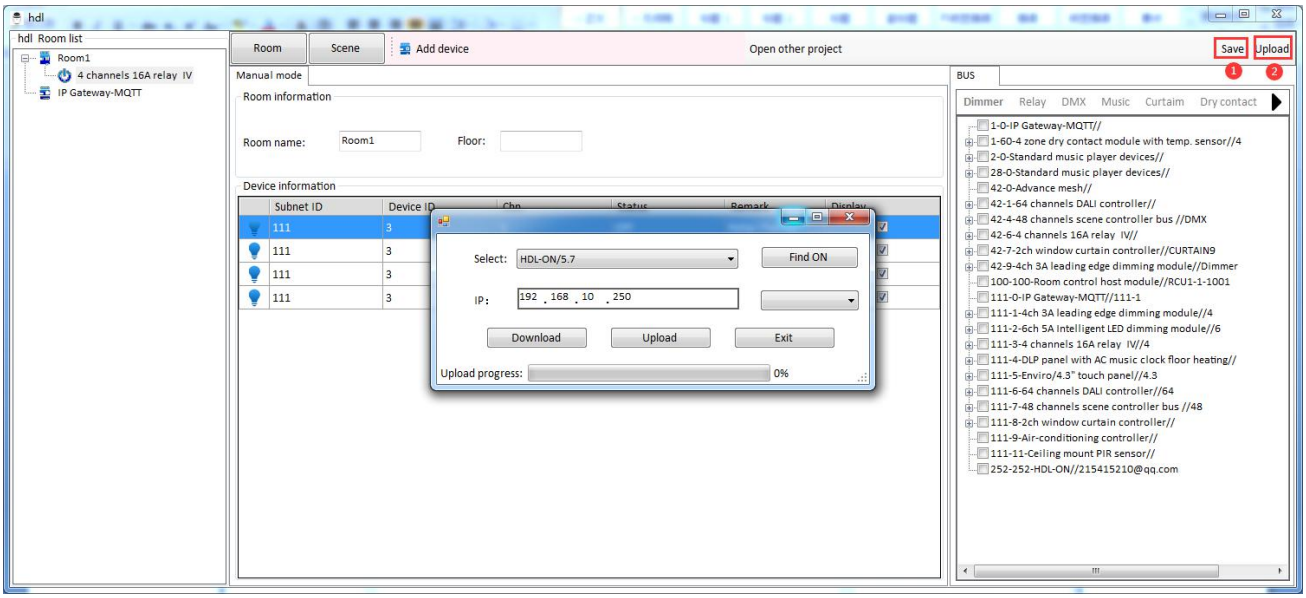


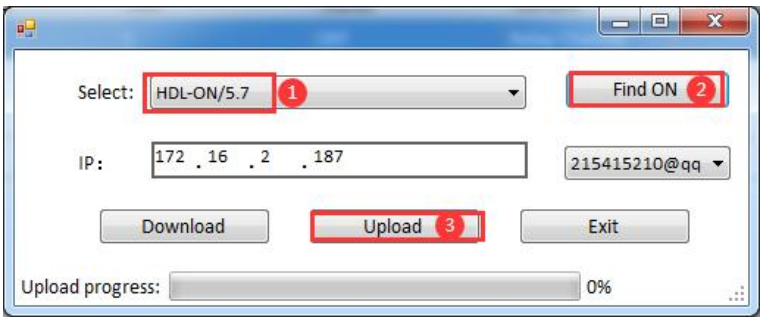


7. Next figure shows how to save the project and upload the data to HDL ON app.

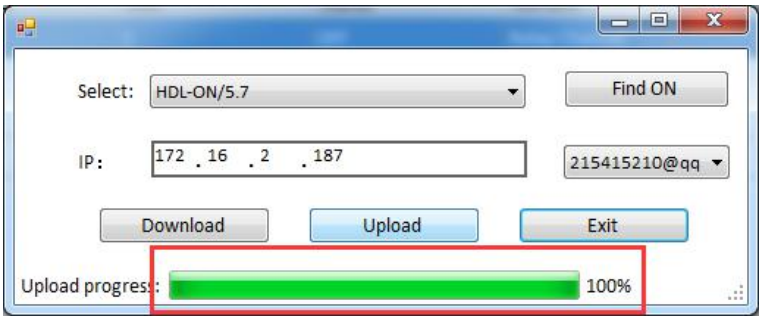
   Click “Save” and “Upload” at the top right of the page.”Find ON” button is used for find the IP address HDL ON.

   Note: the mobile and the gateway should be in the same network.





8. Next figure shows the end of upload.



Condition 2: old HDL ON appis bound to gateway MAC. The instruction is as follows:

1) Backup the data on old HDL ON app.

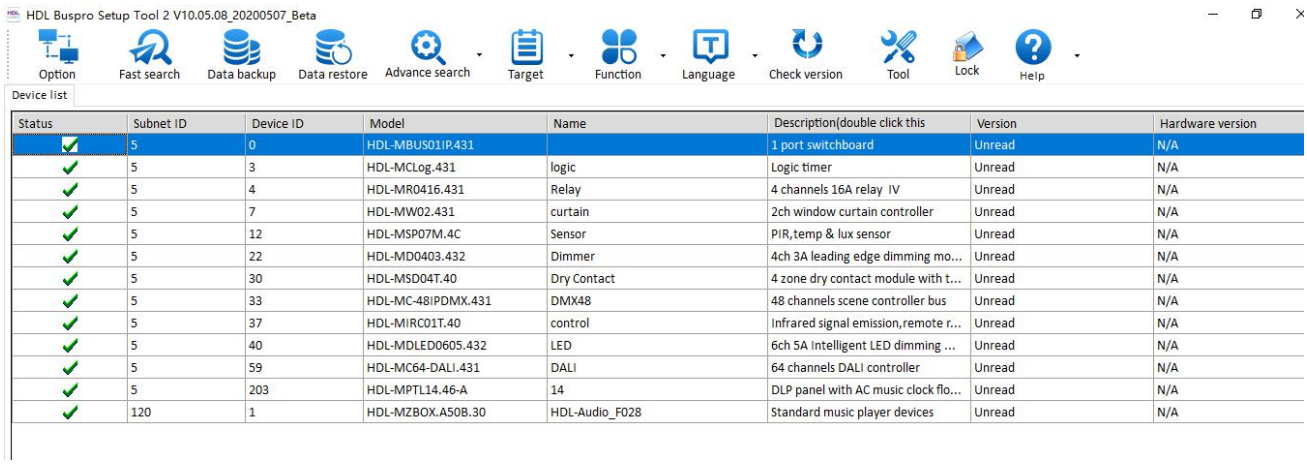
2) Upgrade the new version of HDL ON app.

3) Download the backup to new app from old app and devices can be controlled again.

3 Create a New Project with New iOS Version HDL ON App

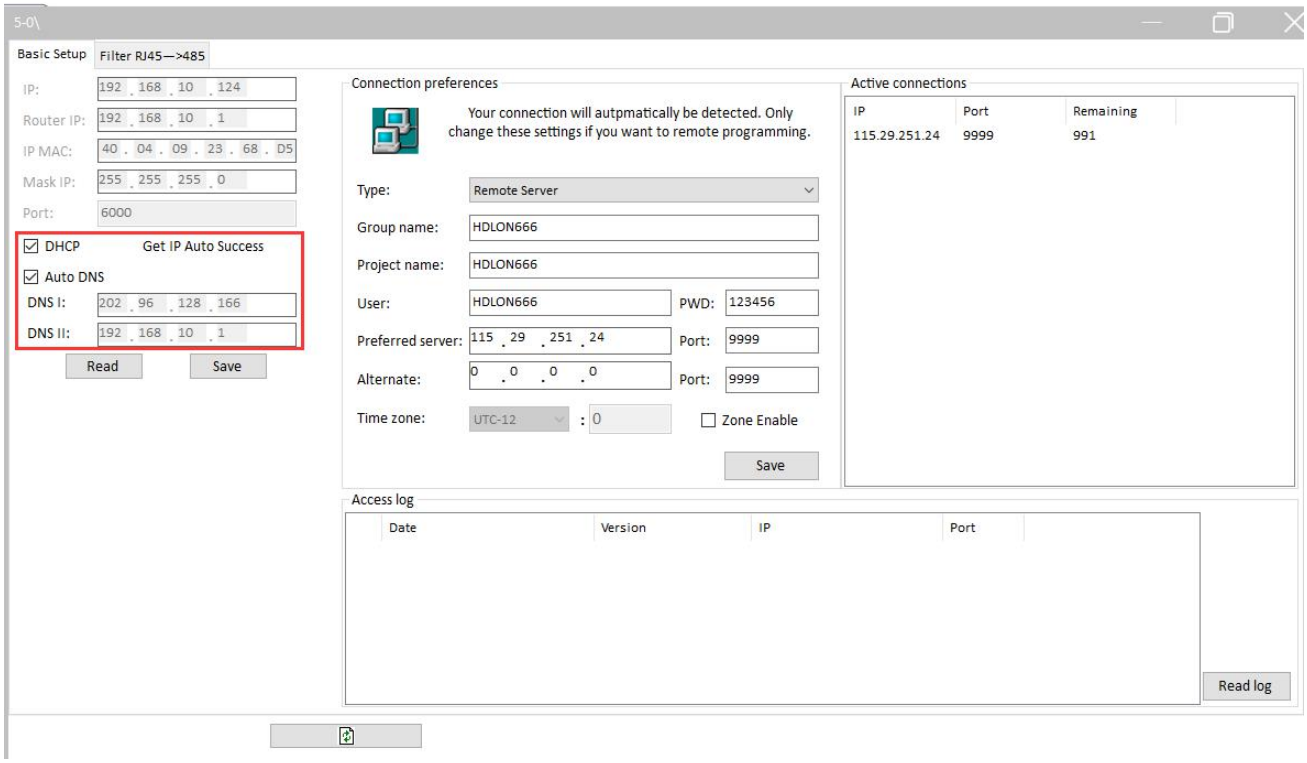
For new iOS version HDL ON app, cannot search device from HDL ON directly. Need to configure from bupsro2 software and upload data to HDL ON.

1. Search device from buspro2 software

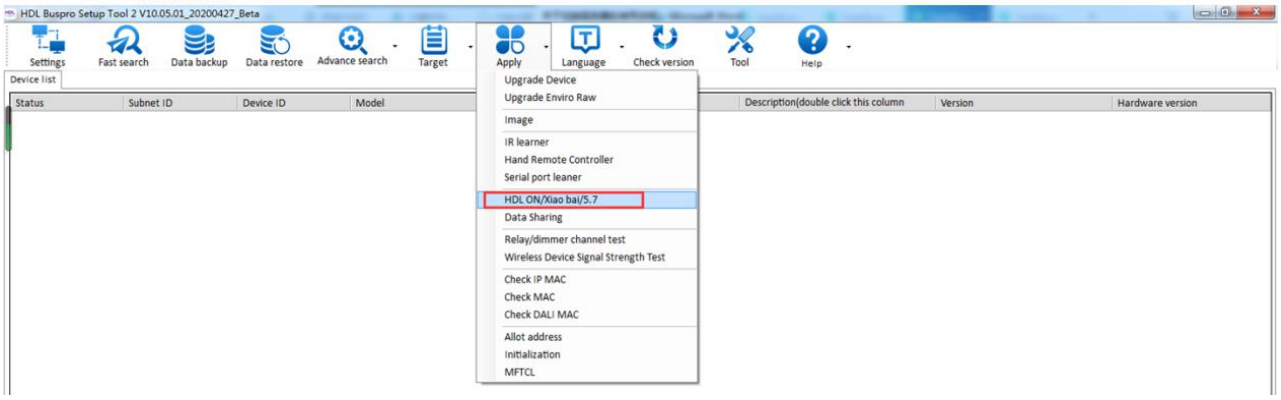


Status	Subnet ID	Device ID	Model	Name	Description(double click this	Version	Hardware version
✓	5	0	HDL-MBUS01IP.431		1 port switchboard	Unread	N/A
✓	5	3	HDL-MCLog.431	logic	Logic timer	Unread	N/A
✓	5	4	HDL-MR0416.431	Relay	4 channels 16A relay IV	Unread	N/A
✓	5	7	HDL-MW02.431	curtain	2ch window curtain controller	Unread	N/A
✓	5	12	HDL-MSP07M.4C	Sensor	PIR,temp & lux sensor	Unread	N/A
✓	5	22	HDL-MD0403.432	Dimmer	4ch 3A leading edge dimming mo...	Unread	N/A
✓	5	30	HDL-MSD04T.40	Dry Contact	4 zone dry contact module with t...	Unread	N/A
✓	5	33	HDL-MC-48IPDMX.431	DMX48	48 channels scene controller bus	Unread	N/A
✓	5	37	HDL-MIRC01T.40	control	Infrared signal emission,remote r...	Unread	N/A
✓	5	40	HDL-MDLED0605.432	LED	6ch 5A Intelligent LED dimming ...	Unread	N/A
✓	5	59	HDL-MC64-DALI.431	DALI	64 channels DALI controller	Unread	N/A
✓	5	203	HDL-MPTL14.46-A	14	DLP panel with AC music clock flo...	Unread	N/A
✓	120	1	HDL-MZBOX.A50B.30	HDL-Audio_F028	Standard music player devices	Unread	N/A

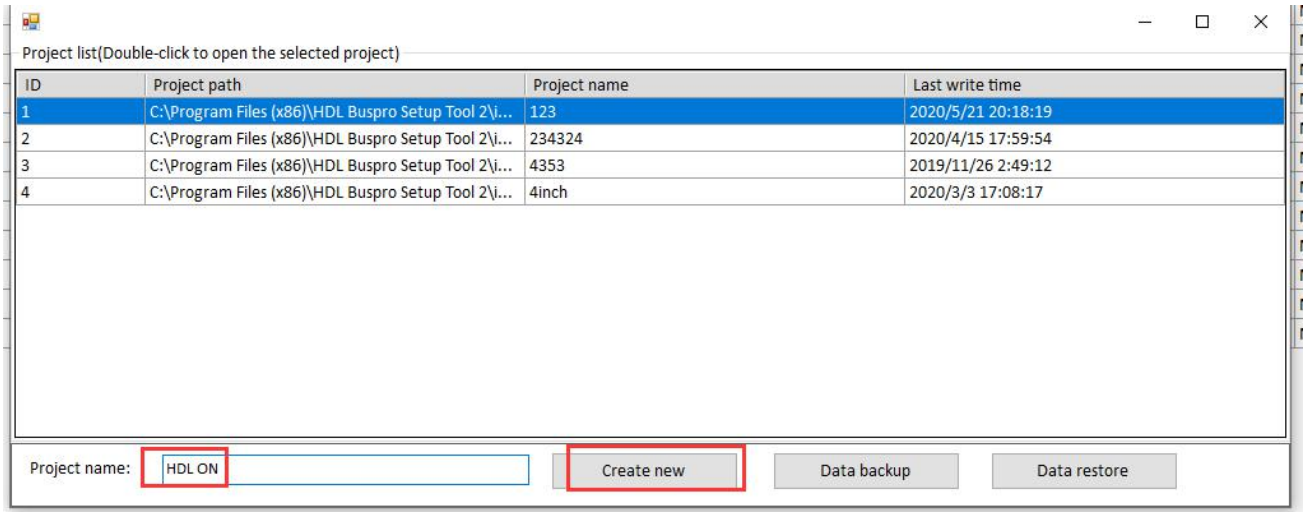
2. Input the group name, project name, user and password in the IP module, preferred server IP address is 115.29.251.24, and the port is 9999, **and must check the DHCP option on the IP module**. If you didn't check the DHCP option, should input 114.114.114.114 in DNS Ⅱ, and input you local DNS address in DNS Ⅰ.



3. As shown in next figure, click “Apply” → “HDL ON/Xiao bai/5.7”.



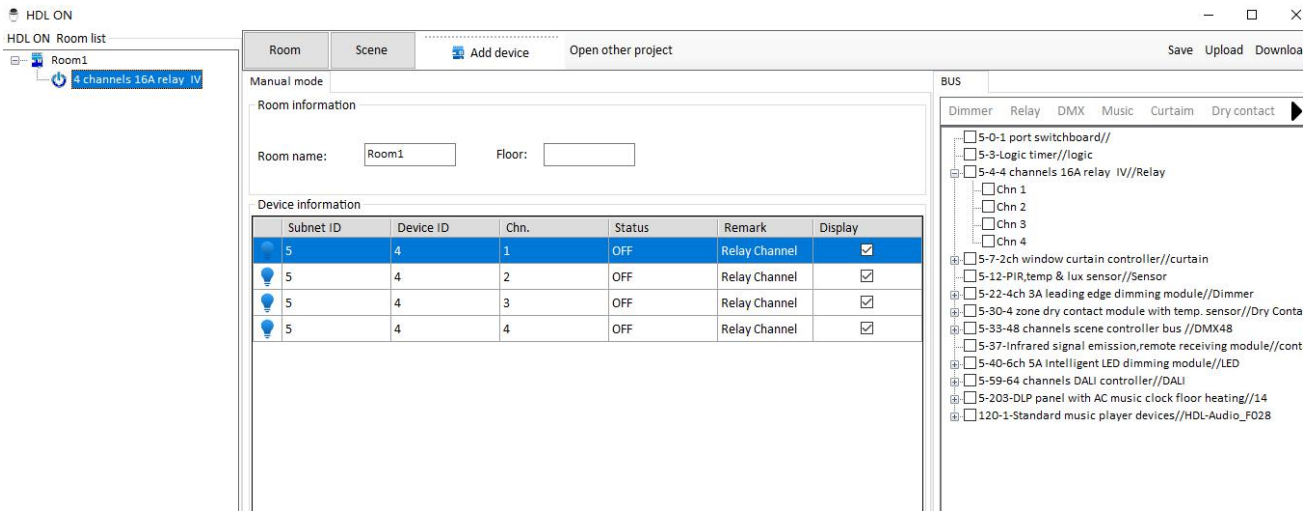
4. As shown in next figure, enter project name in “Project name” → click “Create new”.



5. The process of uploading configuration data to HDL ON app is: add room → add gateway →add device →upload configuration data.

   Devices will display in the bus list after searching →select the required devices (several devices can be selected at a time) →right click and select “Add” to add devices.

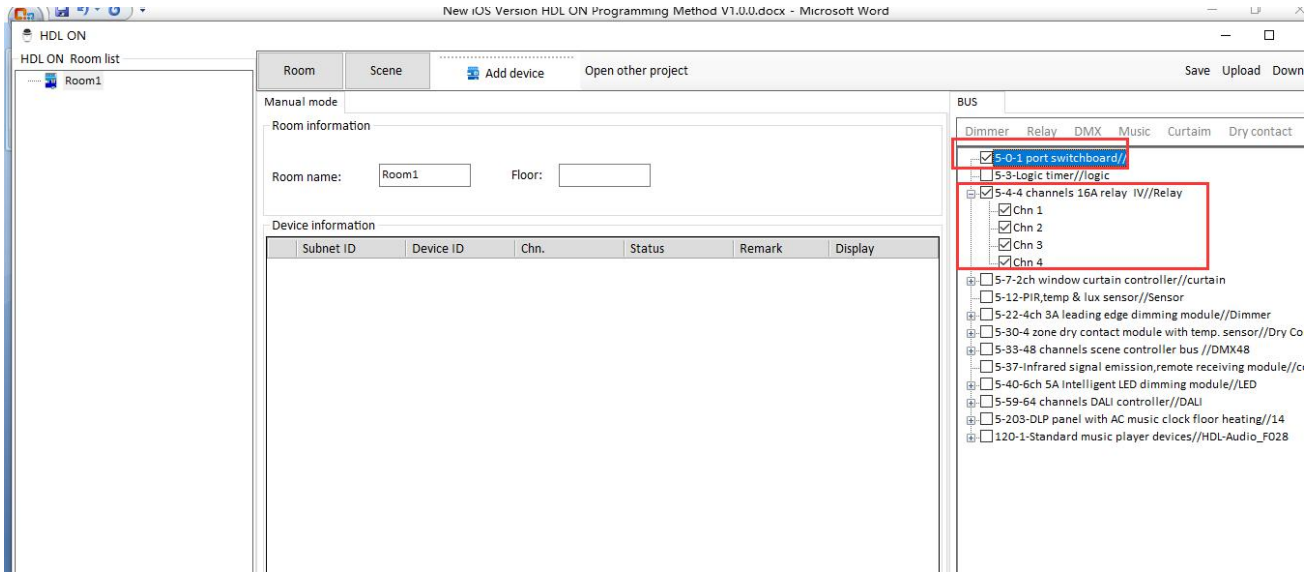
   Note: If you want to add the device manually, you can click “Add device” to add devices to the room.



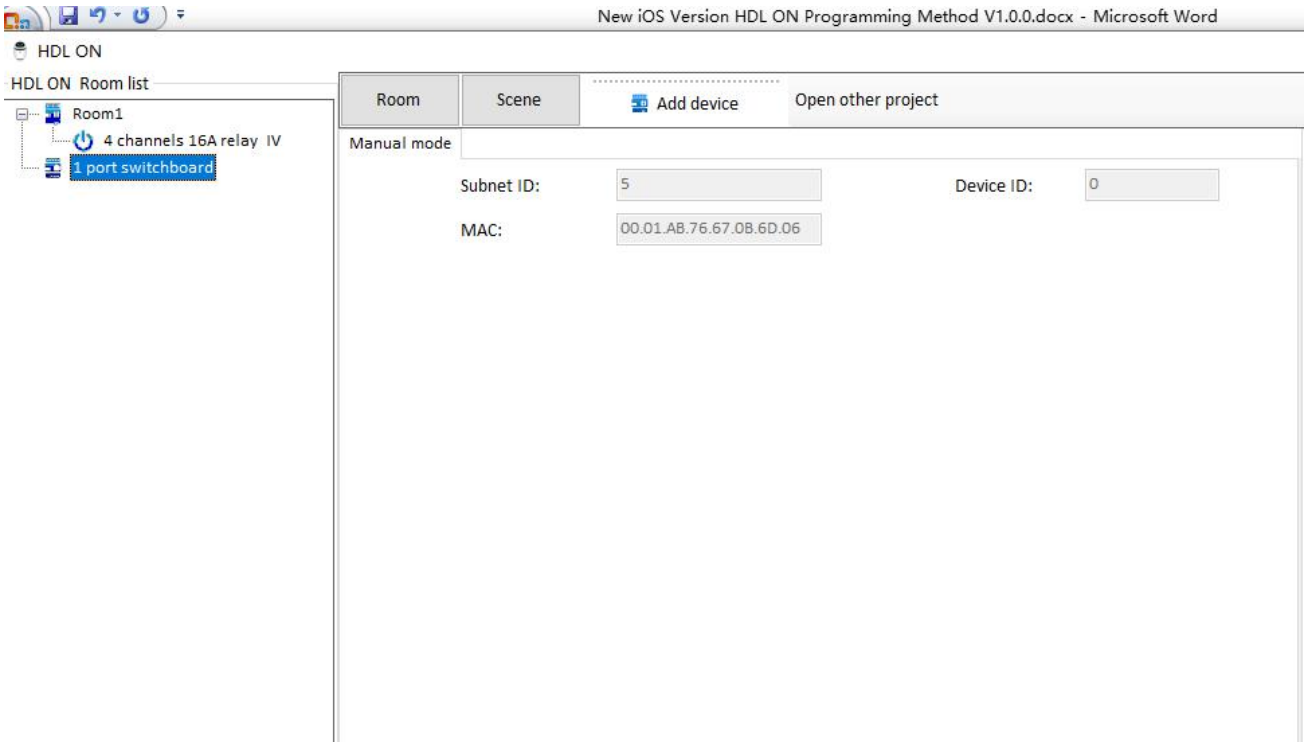
As shown in next figure, take “add 4CH 16A intelligent actuator” as an example:

1) Select the gateway and the actuator.

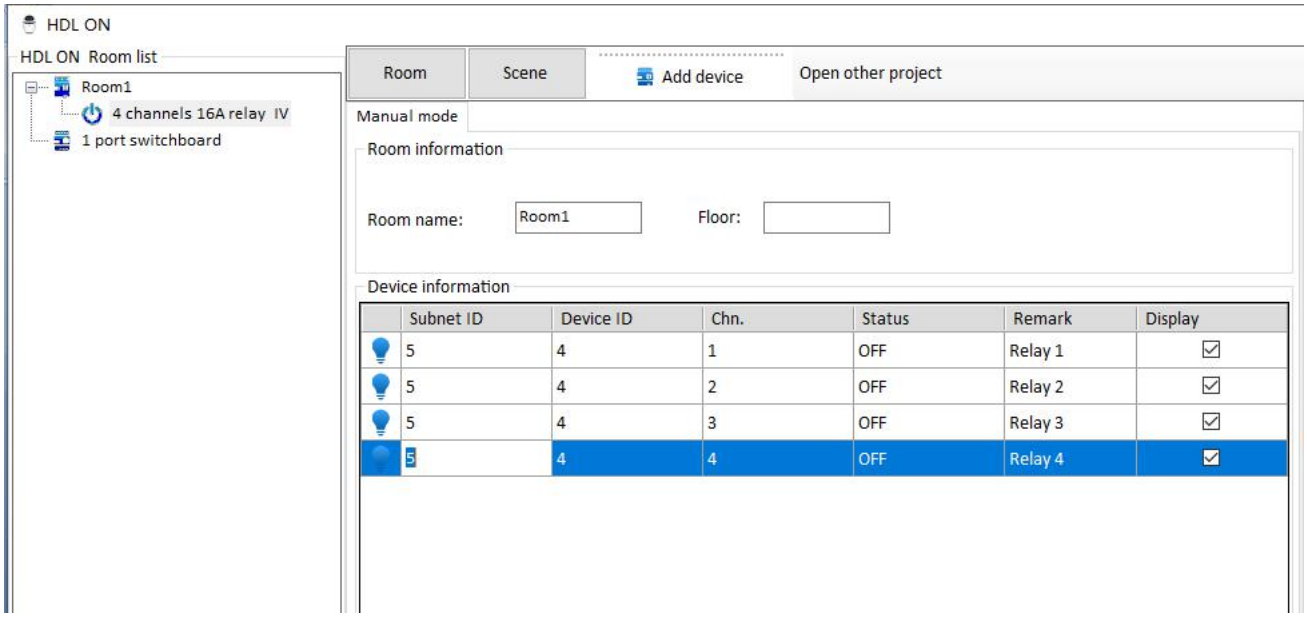
2) Right click and select “Add”.



3) Next figure shows the gateway information after the gateway is added.



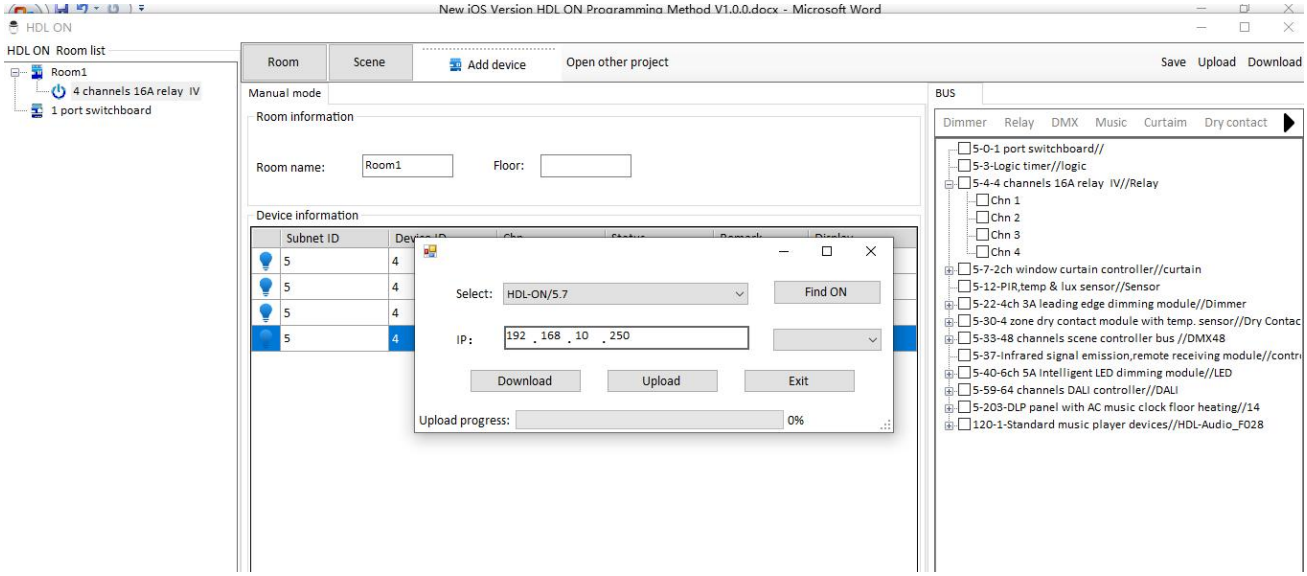
4) Next figure shows device information including subnet/device ID and channel number, after the device is added.



5) New create a residence and bind MAC address of IP gateway from HDL ON.

6) Figure 3- 10 shows how to save the project and upload data to HDL ON app.

Click “Save” → “Upload” at the top right of the page to open the window.



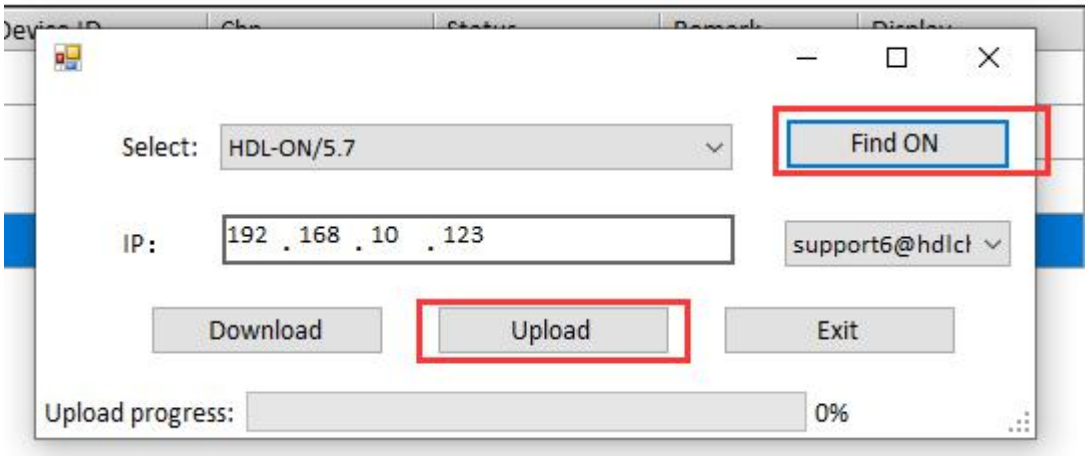
7) Next figure shows how to search for mobile IP address and the account.

Note: the mobile, PC and the gateway should be in the same network, and login with main account.

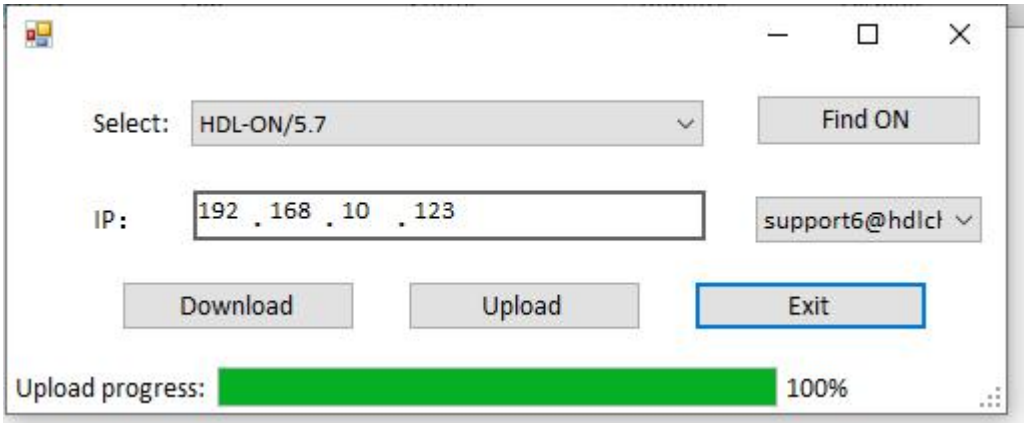
① Select “HDL-ON/5.7” in “Select”.

② Click “Find ON”, mobile’s IP address and log-in account will be identified automatically.

③ Click “Upload”.

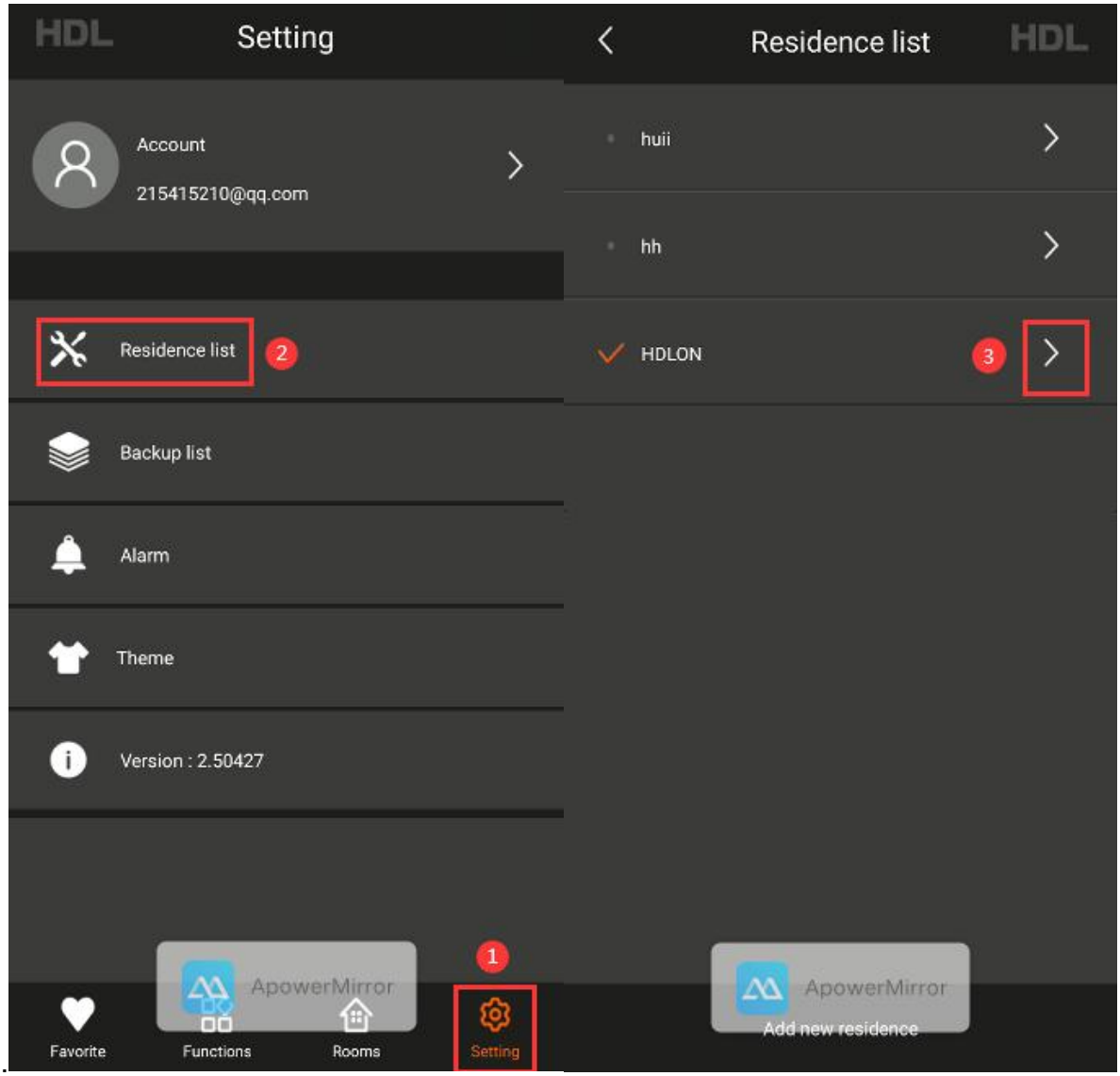


8) Next figure shows the end of upload progress.

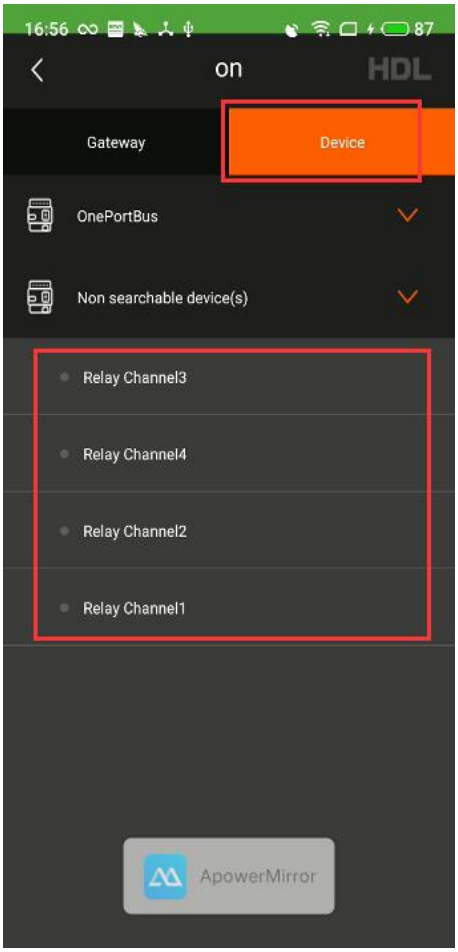


4 View Data on HDL ON App

1. View MAC address of gatewayon HDL ON app: click “Setting” → “Residence list” → “>”.

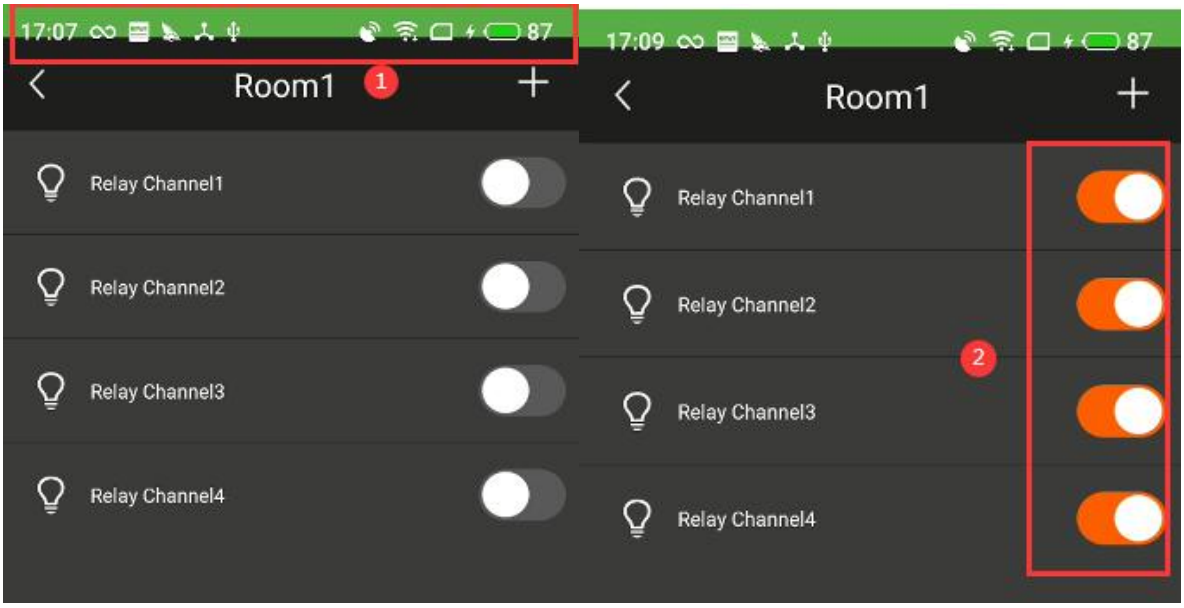


2. Click “Device” to view the devices uploaded from Buspro Setup Tool 2.


16:56
87
on
HDL
Gateway
Device
OnePortBus
Non searchable device(s)
Relay Channel3
Relay Channel4
Relay Channel2
Relay Channel1
ApowerMirror

5 Remote Control via 4G or Wi-Fi

1. The top of HDL ON app will turn to be green after remote connection is enabled.
2. Next figure shows the device status under remote control.



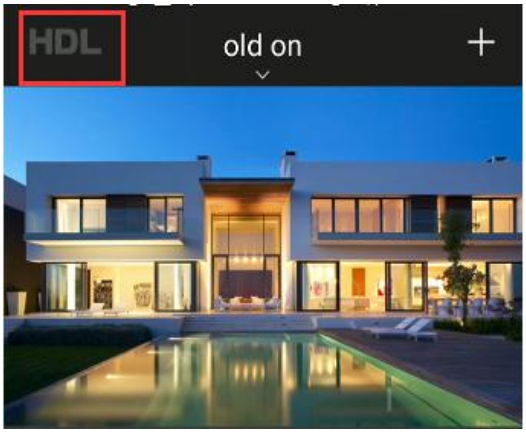
6 Significant Notes

6.1 Note 1: Subaccount Operation

Next figure shows how to operate subaccount when remote connection failed or the server of main account is switched.

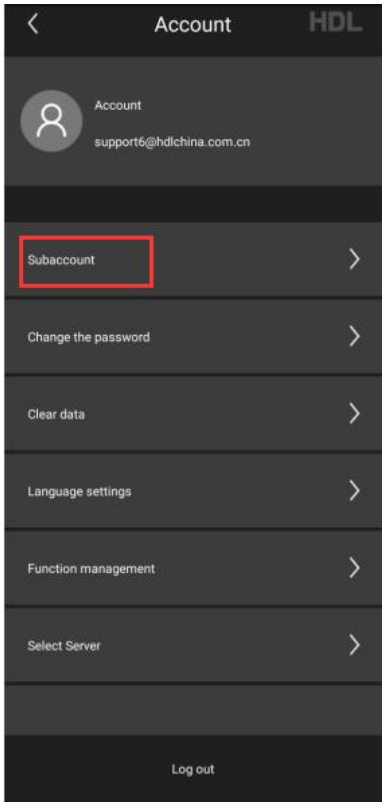
① When failed to enable remote connection, please click “HDL” icon of any page on HDL ON app to enable remote connection.

② When the server of main account is switched, subaccount user should click “HDL” icon of page on HDL ON app to get connection parameters, so that the devices can be controlled.



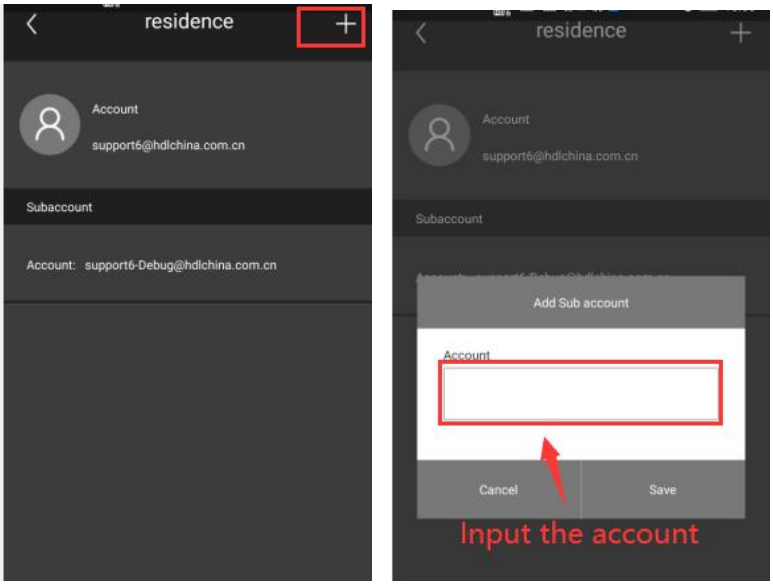
③ We can create a subaccount from the main account.

First, enter account page and click “Subaccount”



Second, select the residence that you want to share, please notice if you want to the subaccount can see all residence of main account, you need to add subaccount in all residence severally.

Third, add the subaccount in the selected residence.



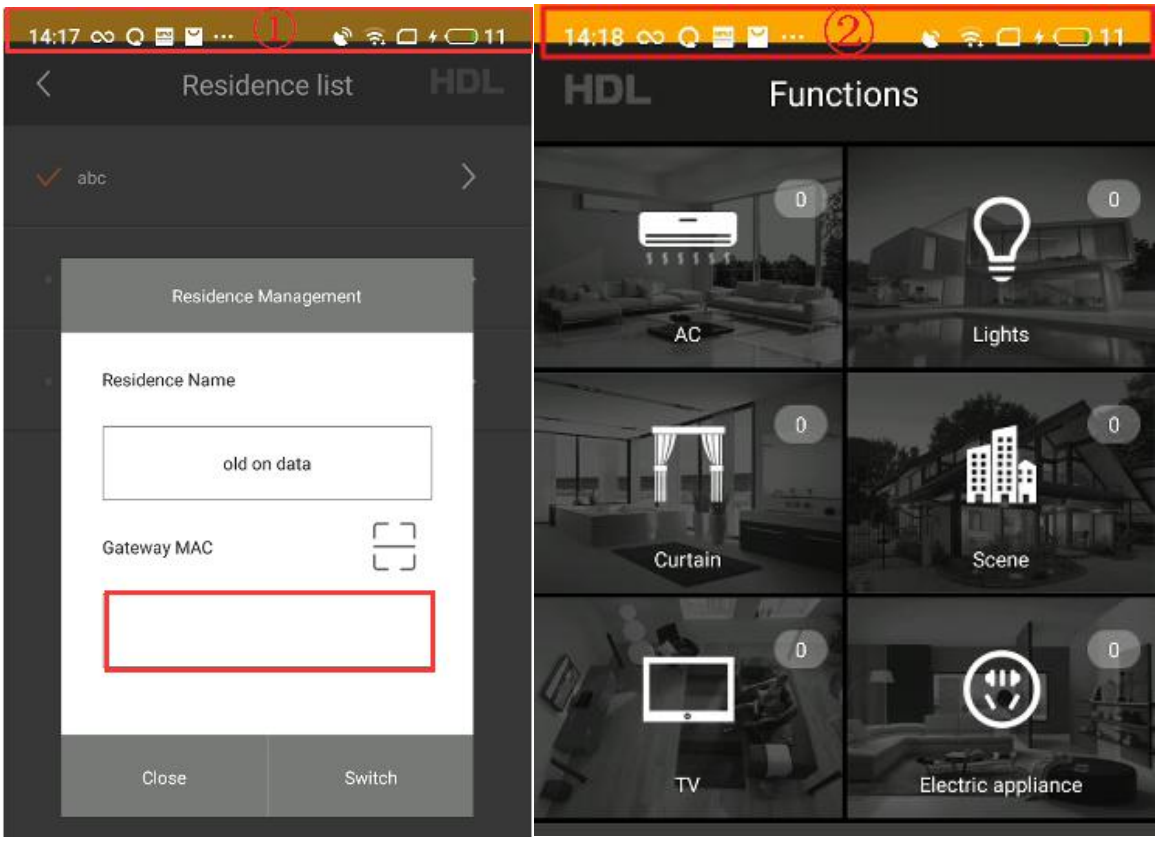
6.2 Note 2:Color Instruction of App Top

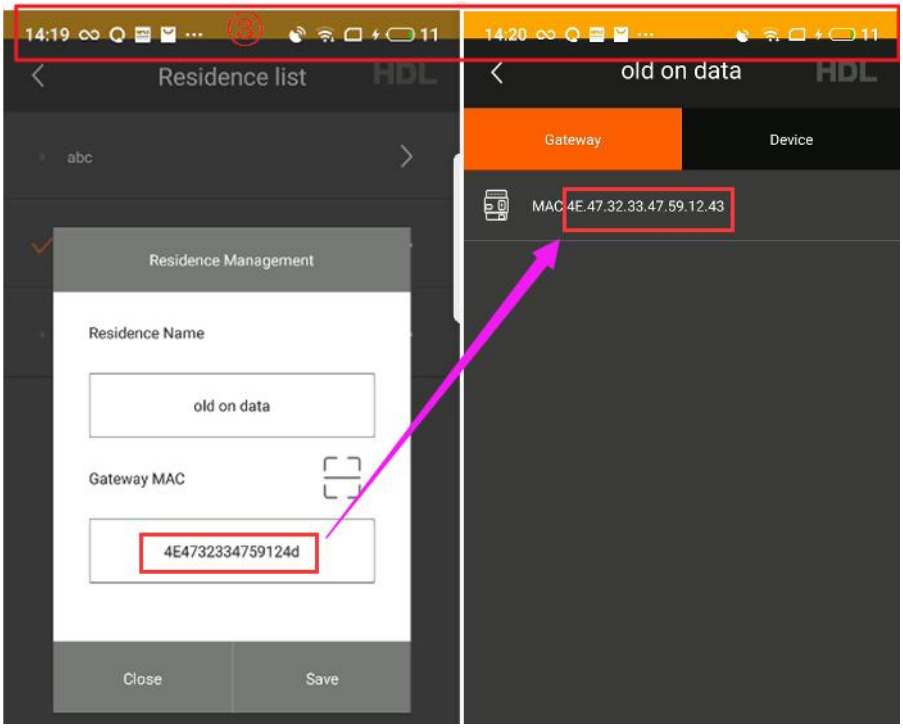
1. Bellow figure shows orange top, which means the following causes.

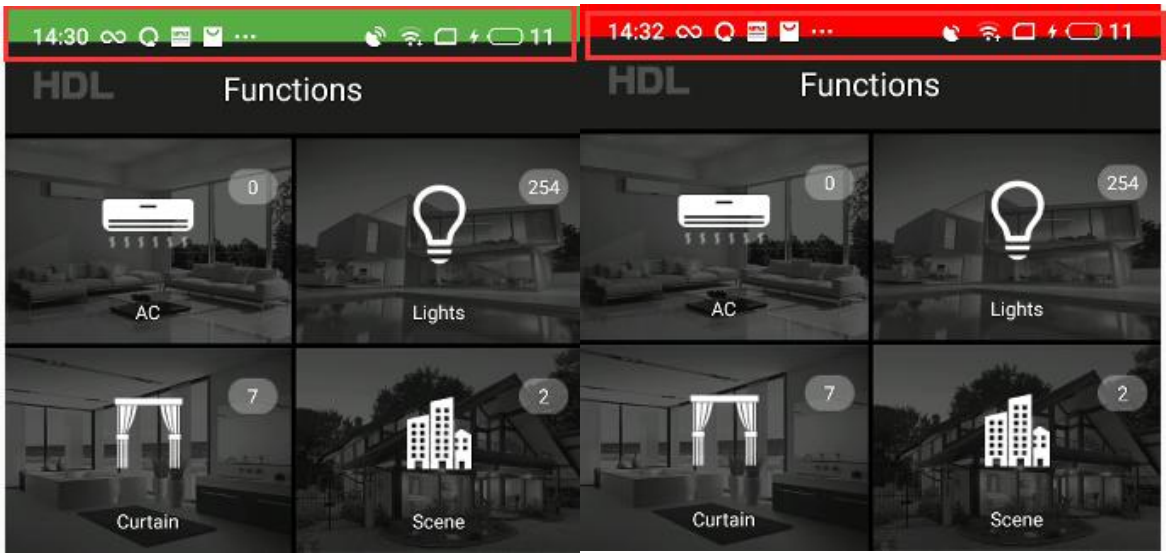
① No gateway is bound to current residence cloud.

② No gateway data is in local current residence.

③ The gateway data of local current residence mismatches with the gateway bound to residence cloud.


①
Residence list
abc
Residence Management
Residence Name
old on data
Gateway MAC
Close
Switch
②
Functions
AC
Lights
Curtain
Scene
TV
Electric appliance


③
Residence list
abc
Residence Management
Residence Name
old on data
Gateway MAC
4E4732334759124d
Close
Save
old on data
Gateway
Device
MAC 4E.47.32.33.47.59.12.43

2. When HDL ON shows green top, which means successful remote connection and gateway online, when the devices and HDL ON app are in different networks.

   When HDL ON shows red top, which means successful remote connection but gateway offline, when the devices and HDL ON app are in different networks.