

# LILINHub Alexa Skill User Manual

1.0 LILINHub Alexa Skill Introduction .....	2
1.1 Install LILINHub Skill.....	3
1.2 LILINHub Skill Account Linking.....	4
1.3 DeviceHub Binding on LILIN Cloud.....	5
1.4 Supported Countries.....	7
1.5 Suggested Camera and NVR Name.....	7
2.0 Voice Commands of LILINHub Skill .....	9
2.1 Wake up LILINHub Skill .....	9
2.2 Stop LILINHub Skill.....	9
2.3 Cancel LILINHub Skill.....	10
3.0 Help of LILINHub Skill .....	10
3.1 Wake up LILINHub Skill .....	10
3.2 Help Commands.....	10
3.3 Alexa Replies to Help for a Camera.....	10
3.4 Alexa Replies to Help for a Recorder .....	10
3.5 Alexa Replies to the Help for Switching Channel. ....	10
4.0 Device Name .....	11
4.1 Turn Light On.....	11
4.2 Turn Light Off.....	11
4.3 Is Light On .....	11
4.4 Is Light Off .....	11
4.5 Open a Gate.....	12
4.6 Close Gate .....	12
5.0 PTZ Camera Voice Control .....	12
5.1 Go to Preset.....	12
5.2 Start Patrol of a PTZ Camera.....	13
5.3 Stop Patrol of a PTZ Camera .....	13
5.4 Health Check .....	13
6.0 NVR Voice Control.....	13
6.1 Playback.....	13
6.2 Channel Switching .....	14
6.3 Display Switching .....	15
6.4 Fast Forward.....	15
6.5 Fast Rewind .....	15
6.6 Live .....	15
6.7 Stop Playing.....	16
6.8 Is NVR healthy.....	16
7.0 Events .....	16

## 1.0 LILINHub Alexa Skill Introduction

Opening and checking the garage doors connected by a camera, turning on, off the garden light connected by a camera, playing a NVR, switching channels, and checking NVR motion activities, all can be done via LILIN DeviceHub.



DeviceHub, DH032

LILIN DeviceHub is a device managing hub for voice control protocols among LILIN IP devices, LILIN Device Cloud and Amazon Alexa cloud. LILIN Device Cloud provides secure HTTPs communication allowing Alexa Echo Dot voice control LILIN NVR or camera via LILIN DeviceHub.



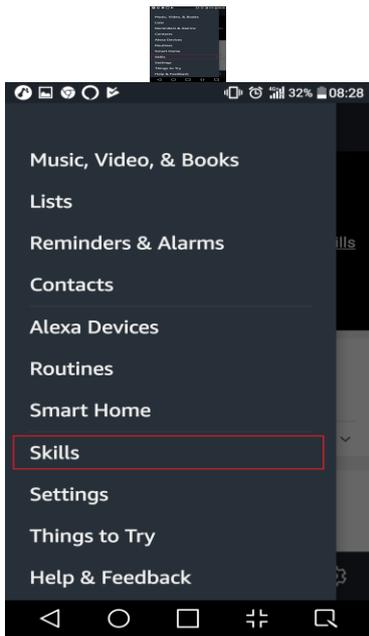
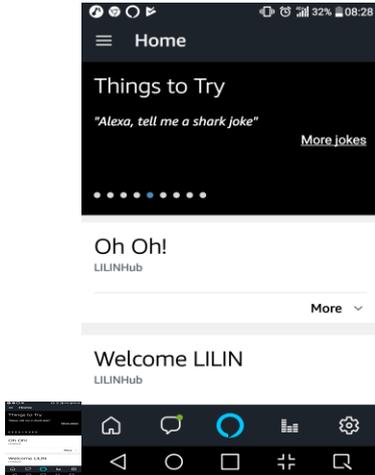
### Features:

- Open and check the garage doors connected by a camera via Alexa.
- Turn on and off the garden light connected by a camera via Alexa.
- Control a NVR for playback or switch channels via Alexa.
- Check and play NVR motion activities via Alexa.
- Control a PTZ camera for presets and patrol.
- Check device health status via Alexa.

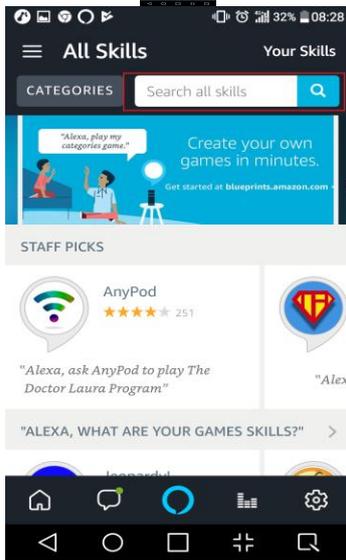


### 1.1 Install LILINHub Skill

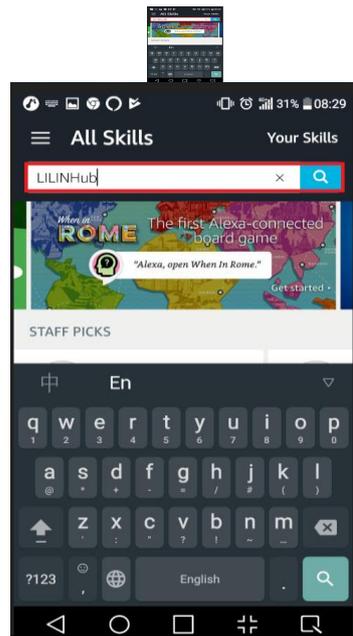
After installing Alexa app in iOS or Android phone, use Alexa App to setup Alexa device to Alexa cloud. Make sure that the Alexa device works for your Alexa account. Visit Amazon skill shop for LILINHub skill. Download LILINHub and follow the instructions below:



1. Visit Alexa Skill Store

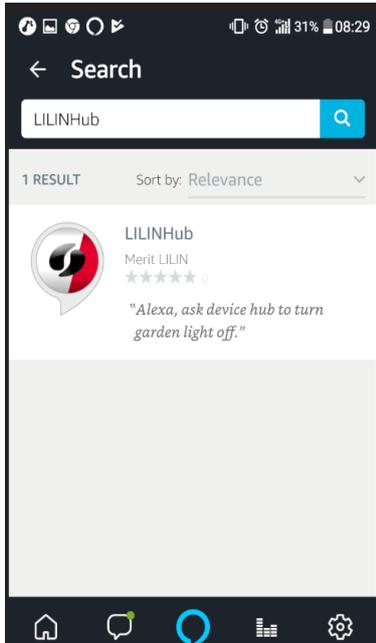


2. Search all skills

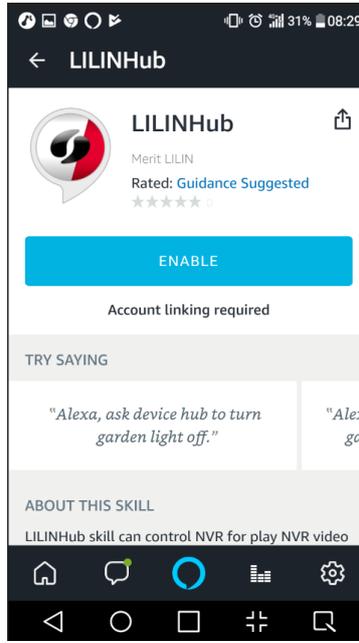


3. Search LILINHub

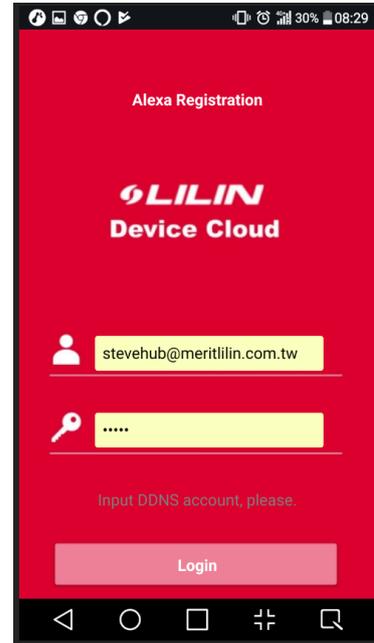




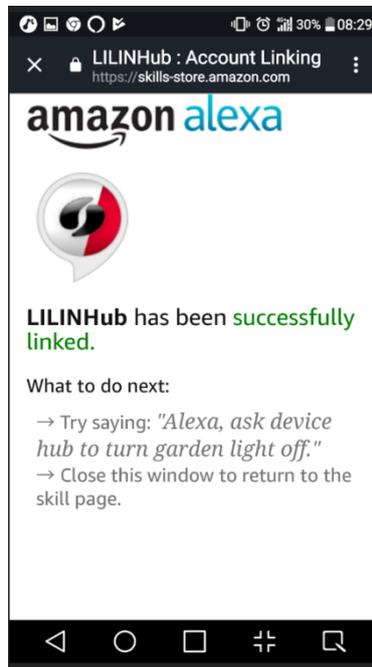
4. Select LILINHub



5. Enable LILINHub



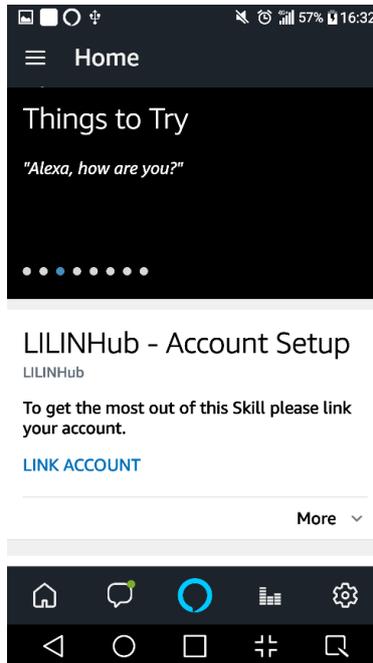
6. Link account



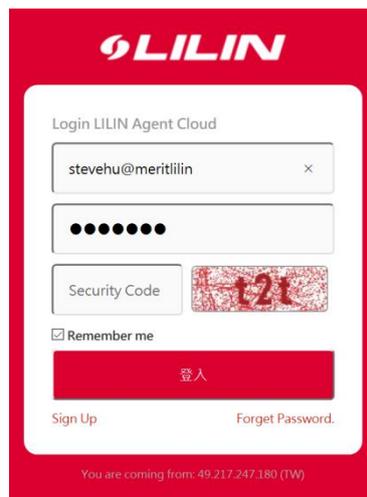
## 1.2 LILINHub Skill Account Linking

For security purpose, your Alexa App needs to login to LILIN Cloud for Account Linking. To link an account, save: "Alexa, ask LILIN hub".

Alexa response: You must have a LILIN account to use LILIN service.  
Please use the Alexa app to link your Amazon account with your LILIN Account.



To create LILIN Cloud account, please visit <https://cloud.ddnsipcam.com>.



### 1.3 DeviceHub Binding on LILINCloud

After LILIN Account Linking via Alexa App is successful, please say “register this Alexa device.”

User: Alexa, ask DeviceHub.

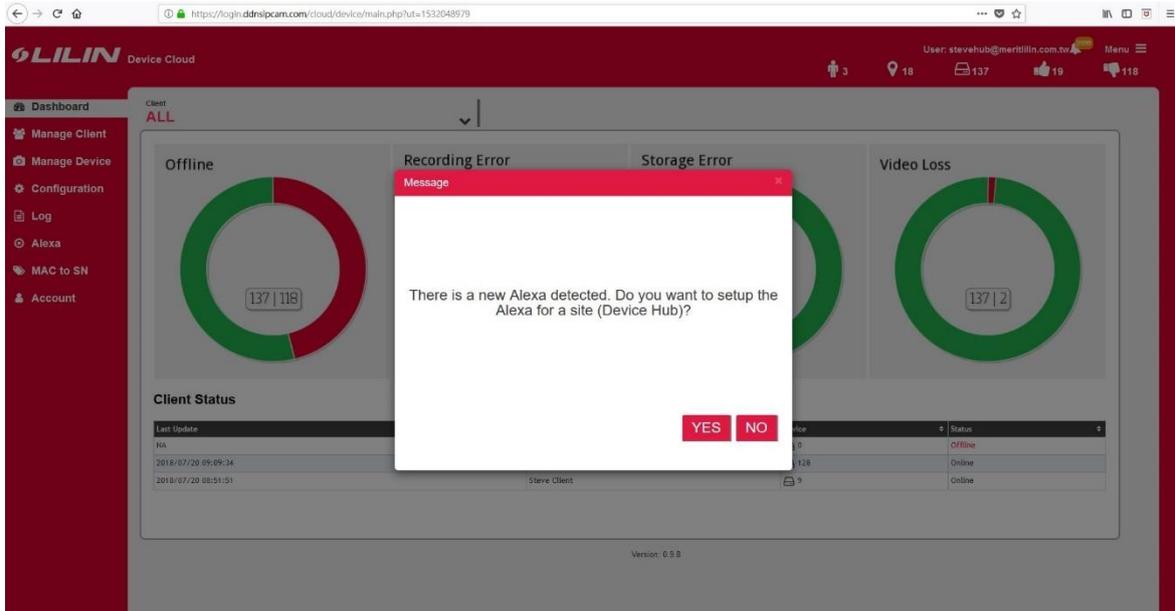
Alexa: Welcome LILIN Hub. What can I do for you?

User: Register the device.

Alexa: The last four digits of Alexa ID is A1B2. Please go to LILIN device cloud for binding this Alexa device.

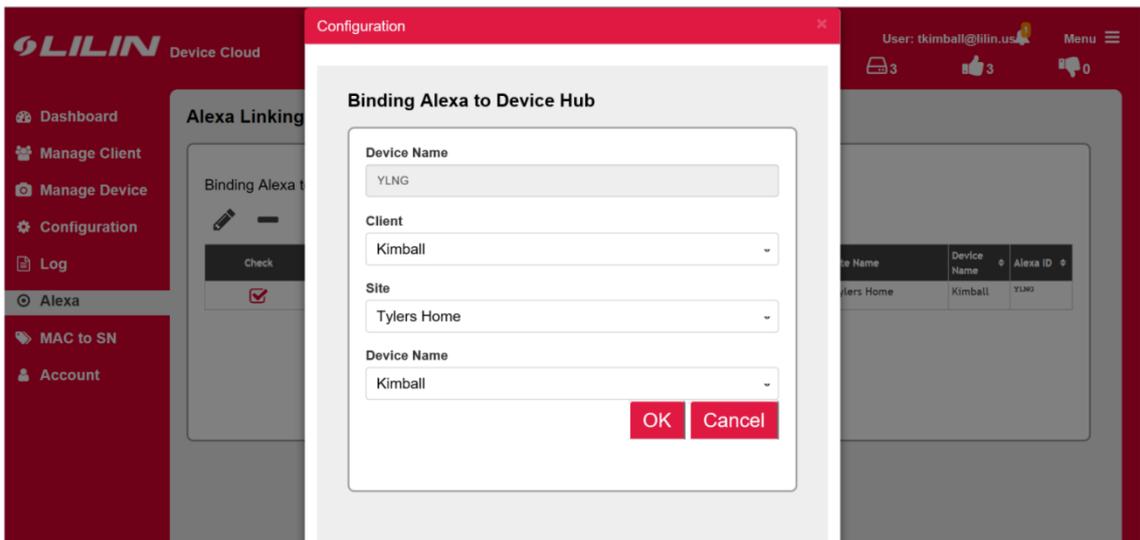
There might be many Alexa devices for using one LILIN DeviceHub. This is to register an Alexa to LILIN DeviceHub. Please continue this process for binding all Alexa devices to LILIN DeviceHub for an installation site.

Alexa detection message is shown below: Click Yes to enter the binding page.



You can also click on Alexa for entering the binding page.

On the Alexa page, a newly detected Alexa with Alexa ID is shown below: Click on Edit button right next to Alexa ID for binding the site (DeviceHub) of a client.

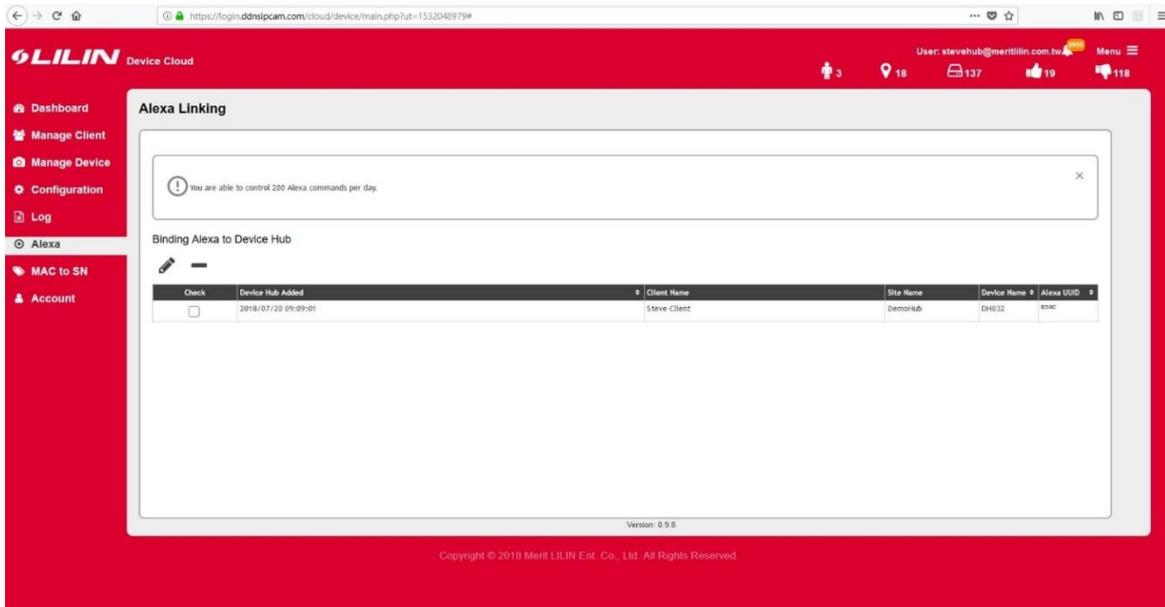


Click on Binding Alexa to DeviceHub on Configuration dialogue:

1. Device Name: Alexa ID
2. Client: The Alexa installed for a client
3. Site: The site (DeviceHub) of the client
4. Device Name: The name of the DeviceHub

Click on OK for finishing the setup.

After finishing the setting, the Alexa ID is shown at Binding Alexa to DeviceHub.



### 1.4 Supported Countries

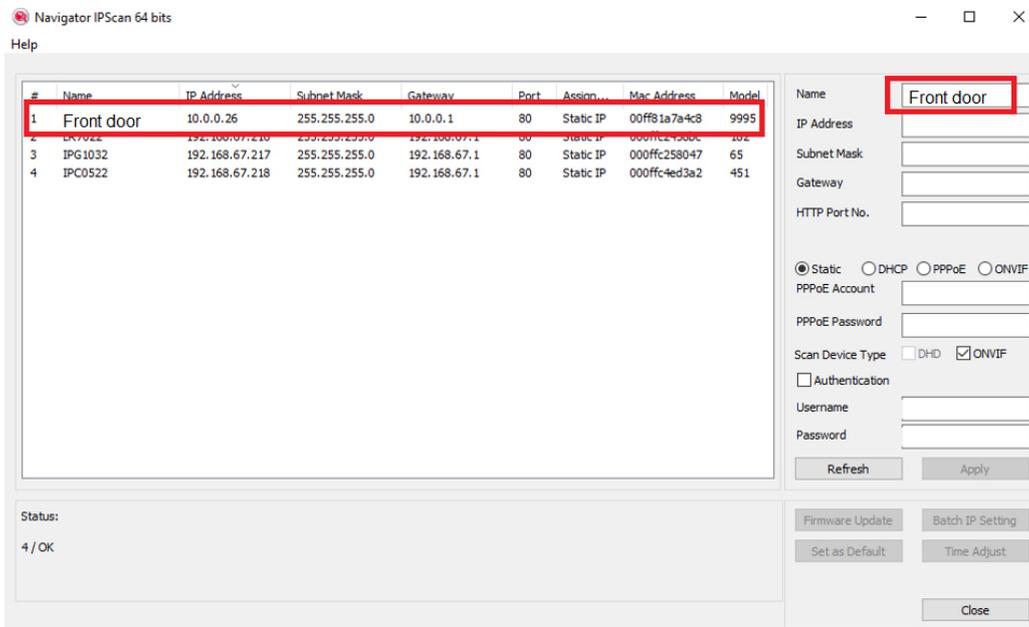
US (English), UK (English), India (English), Canada (English), Australia (English)

Future:

German, Japanese, Italian

### 1.5 Suggested Camera and NVR Name

Use LILIN IPScan to modify the camera name or NVR name with a friendly name as described below: The following names are built-in in LILINHub skill for better recognition rate.



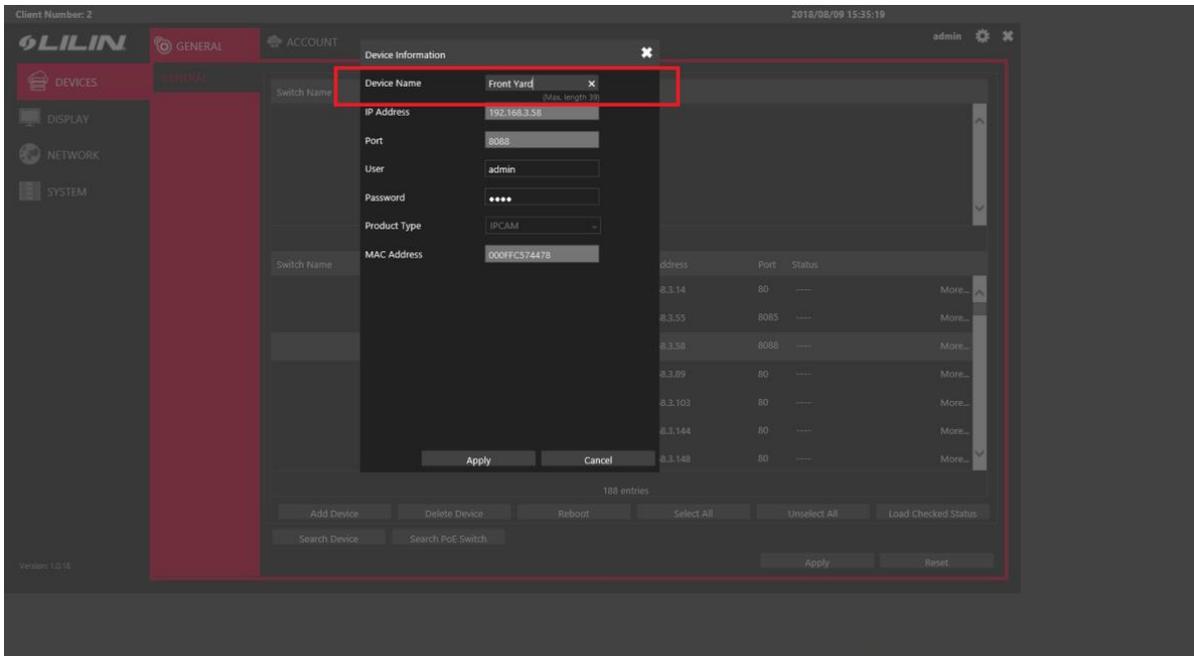
A. Camera Name

- Gate, front gate, back gate
- Kitchen, front kitchen, back kitchen
- Door, front door, back door
- Yard, front yard, back yard
- Light, front light, back light
- Lobby
- Sideway, sidewalk
- Hall, hallway
- Street
- Garden
- Elevator
- North, west, east, south
- Lamp
- Pool, swimming Pool
- Rest room
- Living room

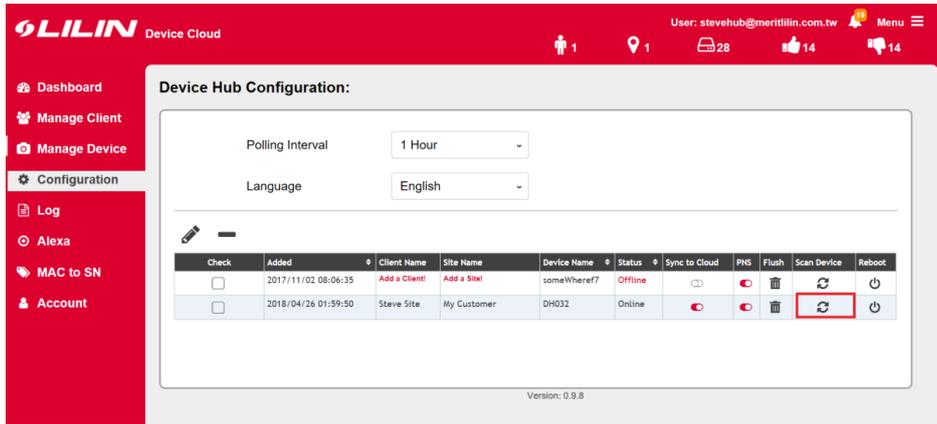
B. NVR Name

- Video recorder
- Recorder
- Security

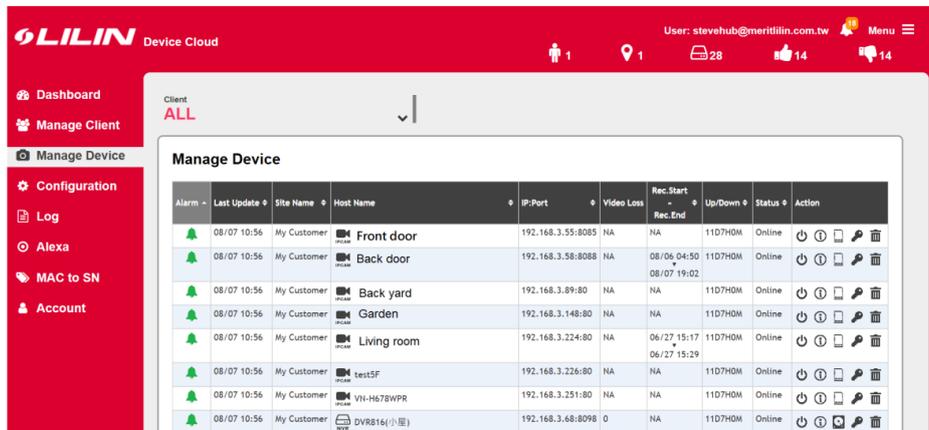
Modify the device name of a camera or NVR on DeviceHub.



Click on Scan Device refresh button to acquire the modified device camera name from the device to LILIN Device Cloud.



You are able to use a friendlier name by Alexa Echo.



## 2.0 Voice Commands of LILINHub Skill

### 2.1 Wake up LILINHub Skill

To wake up LILINHub skill, speak to your Alexa device:

- Alexa, ask DeviceHub...
- Alexa, tell DeviceHub...
- Alexa, use DeviceHub...

### 2.2 Stop LILINHub Skill

Stop is to stop LILINHub skill. You can ask other skills. To invoke LILINHub skill, please say "ask DeviceHub" to wake up LILINHub skill.

Utterance:

- Stop
- Off

Alexa response: Thank you for using LILIN DeviceHub.



## 2.3 Cancel LILINHub Skill

Cancel is to stop a voice command of LILINHub skill and can still use the reset of the voice commands. You do not have to say “ask DeviceHub” again.

Utterance:

- Cancel
- Never mind
- Forget it

Alexa response: Is there anything I can do ?

## 3.0 Help of LILINHub Skill

### 3.1 Wake up LILINHub Skill

User: Alexa, ask LILIN Hub.

Alexa: Welcome LILIN Hub. What can I do for you?

### 3.2 Help Commands

User: Help.

Alexa: LILIN Hub Alexa skill can help you to control a camera or a recorder by voice commands. For example, turn on light or turn off light for a camera. Playback and switch channel for a recorder. Do you want to control a “camera” or a “recorder”?

User: Camera

**Note:** Recorder is also acceptable.

### 3.3 Alexa Replies to Help for a Camera

Alexa: What is the device name?

User: Garden.

**Note:** Device name is the name of the NVR or IP camera.

Alexa: Do you want to turn on a light or turn off a light?

User: Turn on a light (turn on / turn off / On / Off).

### 3.4 Alexa Replies to Help for a Recorder

Alexa: Do you want to playback or switch channel?

User: Playback.

Alexa: For playback time, you can say “two thirty AM” or “two thirty in the morning”. What time do you want to playback?

User: 2 AM.

Alexa: The playback date, you can say yesterday or November twenty-fifth. What date do you want to playback?

User: Yesterday

Alexa: Playback at 2 PM yesterday.

### 3.5 Alexa Replies to the Help for Switching Channel.

Alexa: You can say two or channel two. What channel do you want to switch?

User: Two.

Alexa: Switch to channel two. What channel do you want to switch next?



## 4.0 Device Name

Please change the name of IP camera or NVR via IPScan as its device name. The device name can be up to three words.

### 4.1 Turn Light On

Utterance:

- Turn [DeviceName \*] light on.
- Turn on [DeviceName \*] light.
- Turn the [DeviceName \*] light on.
- Turn on the [DeviceName \*] light.
- Switch on the [DeviceName \*] light
- Switch on [DeviceName \*] light

Alexa response: The [DeviceName] light is on.

### 4.2 Turn Light Off

Utterance:

- Turn [DeviceName \*] light off.
- Turn off [DeviceName \*] light.
- Turn the [DeviceName \*] light off.
- Turn off the [DeviceName \*] light.
- Switch off [DeviceName \*] light.
- Switch off the [DeviceName \*] light.

Alexa response: The [DeviceName \*] light is off

### 4.3 Is Light On

Utterance:

- Is the [DeviceName \*] light on?
- Is [DeviceName \*] light on?

Alexa response:

- Yes, the light of [DeviceName \*] is on.
- No, the light of [DeviceName \*] is off.

### 4.4 Is Light Off

Utterance:

- Is the [DeviceName \*] light off?
- Is [DeviceName \*] light off?

Alexa response:

- Yes, the light of [DeviceName \*] is off.
- No, the light of [DeviceName \*] is on.



## 4.5 Open a Gate

Utterance:

- Open the [DeviceName \*] gate.
- Open the [DeviceName \*] door.
- Open [DeviceName \*] gate.
- Open [DeviceName \*] door.

Alexa response: The [DeviceName \*] gate or door is open.

## 4.6 Close Gate

Utterance:

- Close the [DeviceName \*] gate.
- Close the [DeviceName \*] door.
- Close [DeviceName \*] gate.
- Close [DeviceName \*] door.

Alexa response: The [DeviceName \*] gate or door is close.

## 5.0 PTZ Camera Voice Control

### 5.1 Go to Preset

Utterance:

- Ask the [DeviceName \*] go preset [Number].
- Ask [DeviceName \*] go preset [Number].
- Ask the [DeviceName \*] go preset number [Number].
- Ask [DeviceName \*] go preset number [Number].

Example:

- Ask the camera go preset 1.
- Ask camera go preset 1.
- Ask the camera go preset number 1.
- Ask camera go preset number 1.

Alexa response: The [DeviceName \*] goes preset [Number].

Continuous command:

Alexa: What preset do you want to see or cancel?

Example:

- Preset 1, 2, 3, ...
- 1, 2, 3, ...



## 5.2 Start Patrol of a PTZ Camera

Utterance:

- Ask [DeviceName \*] go patrol.
- Ask [DeviceName \*] start patrol.
- Ask the [DeviceName \*] go patrol.
- Ask the [DeviceName \*] start patrol.

Alexa response:

The [DeviceName \*] is in patrol mode.

## 5.3 Stop Patrol of a PTZ Camera

Utterance:

- Ask the [DeviceName \*] stop patrol.
- Ask [DeviceName \*] stop patrol.

Alexa response: The [DeviceName \*] stops patrol.

## 5.4 Health Check

Utterance: Is [DeviceName \*] healthy?

Alexa response: The [DeviceName \*] is healthy

## 6.0 NVR Voice Control

### 6.1 Playback

Utterance:

- Playback [NVRName] at [Time] on [Date]
- Playback the [NVRName] at [Time] on [Date]
- Play [NVRName] at [Time] on [Date]
- Play the [NVRName] at [Time] on [Date]
- Ask [NVRName] playback at [Time] on [Date]
- Ask [NVRName] playback at [Time][Date]
- Ask [NVRName] playback at [Time] yesterday.
- Ask [NVRName] play at [Time] on [Date]
- Ask [NVRName] play at [Time][Date]
- Ask [NVRName] play at [Time] today.
- Ask [NVRName] play at [Time] yesterday.

Continuous command:

What time do you want to play the recorder or cancel?

Example:

- One pm: 13:00
- Half to eleven: 10:30
- Half after eleven: 11:30
- Twenty one before eleven: 10:39



- Twenty two after eleven: 11:22
- Ten/twenty/thirty/.... pass eleven: 11:10/11:20/11:30/....

[Data] can be the followings:

- “Today”: 2015-11-24
- “Now”: 2015-11-24
- “November twenty-fifth”: 2015-11-25
- “Next Monday”: 2015-11-30
- “Right now”: 2015-11-24
- “Year, month, day”: 2015-11-24

Alexa response: The [NVRName] is playing

## 6.2 Channel Switching

Channel #, 1~32

Utterance:

- Ask [NVRName] switch channel [channel #].
- Ask [NVRName] go channel [channel #].
- Ask [NVRName] switch channel number [channel #].
- Ask [NVRName] go channel number [channel #].
- Ask [NVRName] go camera number [channel #].
- Ask [NVRName] switch camera number [channel #].
- Ask [NVRName] switch camera [channel #].
- Ask [NVRName] go camera [channel #].

Example:

- Ask recorder switch channel 1.
- Ask recorder go channel 1.
- Ask recorder switch channel number 1.
- Ask recorder go channel number 1.

Alexa response: The [NVRName] switch the channel [channel #].

Continuous command:

Do you want to switch channel, or cancel?

Example:

- Switch channel 1, 2, 3, ...
- Go channel number 1, 2, 3, ...
- Channel 1, 2, 3, ...
- Camera 1, 2, 3, ...
- Go camera 1, 2, 3, ...
- 1, 2, 3, ...



## 6.3 Display Switching

Utterance:

- Ask [NVRName] switch 32/25/16/9/4 view
- Ask [NVRName] go 32/25/16/9/4 view
- Ask [NVRName] change 32/25/16/9/4 view

Alexa response:

**[NVRName]** switches 32/25/16/9/4 view.

Continuous command:

Do you want to switch view, or cancel?

Example:

Switch 32, 25, 16, 9, or 4 view

Go 32, 25, 16, 9, or 4 view

32, 16, 9, or 4

## 6.4 Fast Forward

Utterance:

- Ask [NVRName] fast forward.
- Ask the [NVRName] fast forward.

Alexa response: The [NVRName] goes fast forward.

## 6.5 Fast Rewind

Utterance:

Ask [NVRName] fast rewind.

Alexa response: The [NVRName] goes fast rewind.

## 6.6 Live

Utterance:

- Ask [NVRName] switch live mode.
- Ask [NVRName] go live mode.
- Ask the [NVRName] switch live mode.
- Ask the [NVRName] go live mode.

Alexa response: The [NVRName] go live mode.



## 6.7 Stop Playing

Utterance:

- Ask [NVRName] stop playing.
- Stop [NVRName].
- Ask the [NVRName] stop playing.
- Stop the [NVRName].

Alexa response: The [NVRName] stops playing.

## 6.8 Is NVR healthy

Utterance:

Is [NVRName] healthy?

Alexa response:

The [NVRName] is healthy

## 7.0 Events

Utterance:

Tell me motion activity (activities) at [Time] for [NVRName].

Tell me [NVRName] motion activity after [Time] on [Date].

Tell me [NVRName] motion activities after [Time] on [Date].

Tell me [NVRName] motion activities after [Time].

Tell me [NVRName] motion activity after [Time].

Alexa response:

Alexa: What is the device name (for “Tell me motion activity.”)?

Alexa: What is the time for the motion activities (for “Tell me motion activity.”)?

User: 2 PM, 10:30, ...

Alexa: Do you want to check motion activities today or yesterday?

User: Today. / Yesterday.

Alexa: There are 7 motion activities since 14:30, August 21.

Do you want to play the first 3 motion activities at 10 seconds?

User: Yes

[After every 3 motion activities playback finish]

Alexa: Do you want to play the next 3 motion activities?

User: Yes / No

Alexa: Motion activities playback finished. What can I do for you? (for “User: No.”)



## Specifications

Features	Description
Voice control	Amazon Alexa and LILIN DeviceHub integration
Device supported	LILIN IP camera, IP PTZ, and NVR
Digital output control	IP camera and IP PTZ for opening a door or a gate via a digital output.
Check digital output status	Check the digital output status for a door or a gate via a digital output
NVR playback	Live and playback switching
NVR channel switching	Channel #1 ~ channel #32 and 4/9/16/32 views
NVR time playback	Date, time, two days ago, and yesterday
NVR operations	Fast forward, fast rewind, play, pause, and stop
NVR motion/alarm events	Check motion/alarm events via voice
PTZ control	Preset recall and PTZ patrol
Device health check	NVR, IP camera, and PTZ
Protocols	HTTPs, account linking of Amazon
Alexa country supported	US (English), UK (English) India (English), Canada (English), Australia (English), Future: German, Japanese, Italian