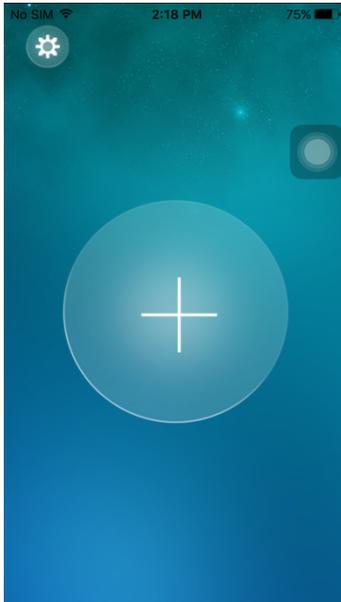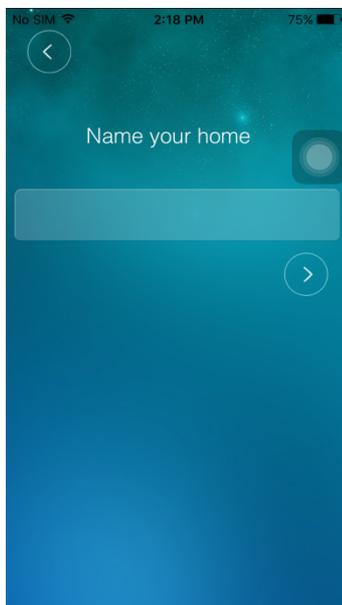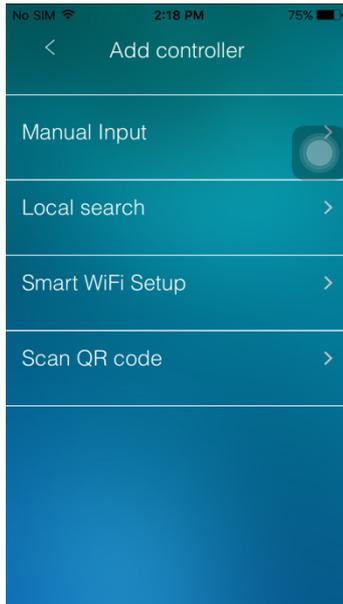# 1. Install App and Camera

1. Download the mCamViewZ+ app from the iOS App Store.
2. Power on the camera, connect the Z-Wave camera to the router with the ethernet cable.
3. Connect your iPhone to the same router with WiFi.
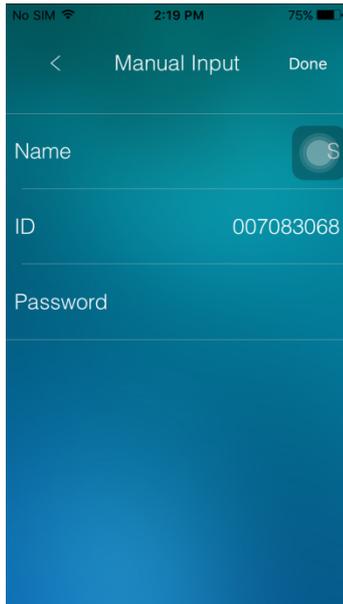4. Open mCamViewZ+, press "+" button

5. Type desired name
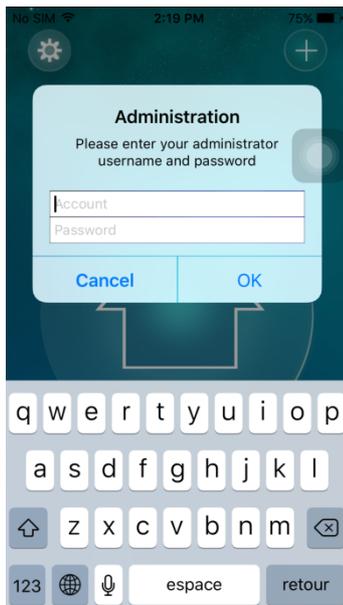

6. Press Local Search
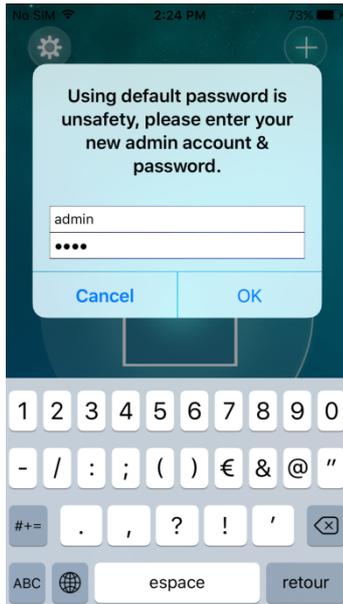
7. Press searched camera's id

8. Type passwords, the default password is ipcam

9. Press the added home, will ask administrator username and password, the default username is admin with no password

10. For security reason, please change default password and remember it.

11. Press Device button, now you can start using z-wave function.
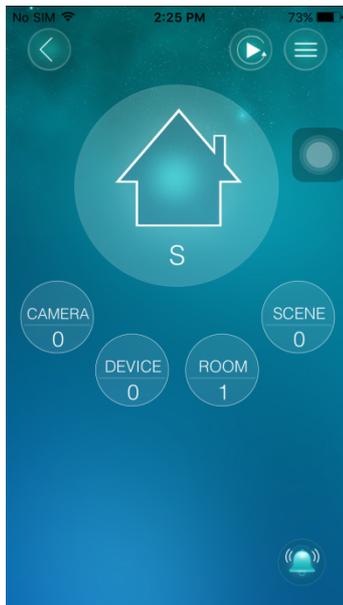
2. Z-Wave

Z-Wave Device Type: Central Controller
Z-Wave Role Type: Central Static Controller

Z-Wave Function:

1. Inclusion(Add):

   Pressing the "+" button will let camera into inclusion mode 30 seconds. User can now trigger the device's node information frame to add to the camera's z-wave network. See pictures below:

2. Exclusion(Remove):

   Pressing the "Remove other device"(When no device added to camera) or "-" button will let camera into exclusion mode 30 seconds. User can now trigger the device's node information frame to remove device from any z-wave network. See pictures in Inclusion section.

3. Remove/Replace Failed Node:

   When an added node is judged as a inactive node(three times operation fail or 24hours got no response), fresh the device page and press ⊖ button will show Remove/Replace dialog, follow on-screen instructions.
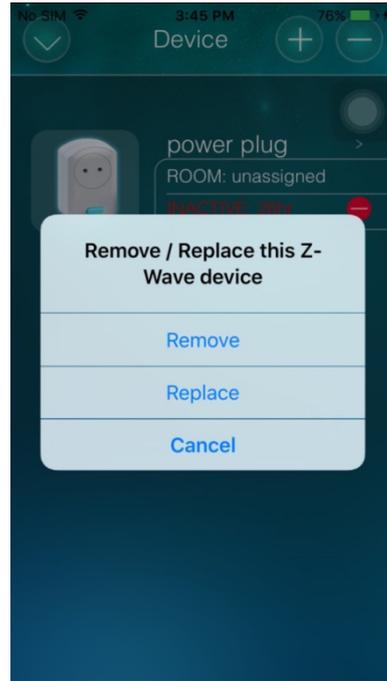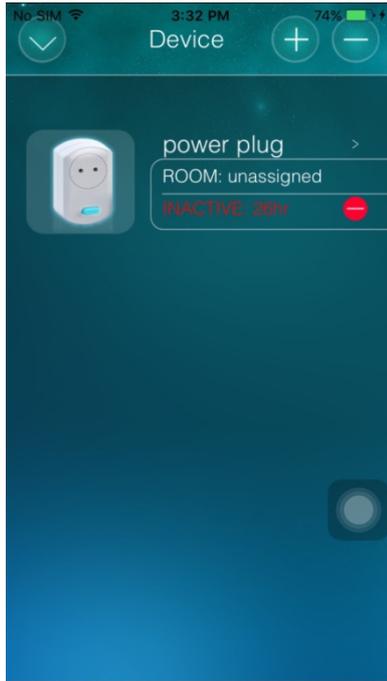
4. Learn Mode:

Go to "Home Settings" [icon] > "Camera settings" > "Admin" > "Z-Wave administration" page, click "Z-Wave Learn Mode" will put camera into learn mode, it can include camera into an existing Z-Wave network.

Note that this function may let camera works as "secondary controller" or "inclusion controller" in another existing network, just start inclusion mode or controller shift on another controller, then start camera learn mode, after inclusion, camera will replicate node information from another controller.

Since our design is based on "primary controller", we recommend that you just use our camera as "primary controller".
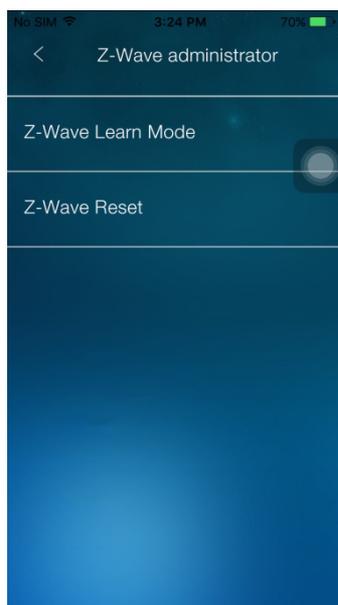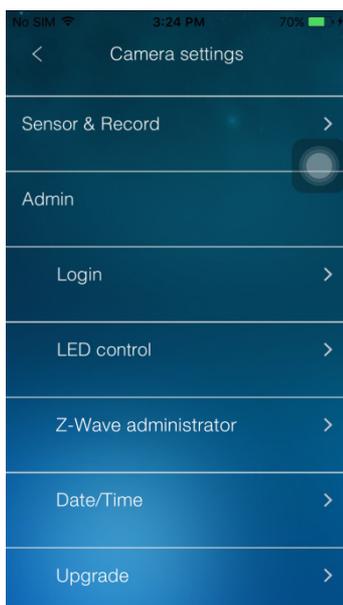
5. Reset:

    Go to "Home Settings" > "Camera settings" > "Admin" > "Z-Wave administrator" page, click "Z-Wave Reset" will reset Z-Wave Settings. All nodes added to camera will be removed. See pictures in Learn Mode section. See pictures in Learn Mode section.

    If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all of the nodes in the network. If this controller is being used as a secondary controller in the network, use this procedure to reset this controller only in the event that the network primary controller is missing or otherwise inoperable.

Z-Wave configuration:

1. Association:

    All added device will assign to group 1 and group 2 and group 3 automatically.

2. Association group:

    i.   Support 1 association group.

    ii.   Grouping identifier: 1, Lifeline.

    iii. Maximum number of devices that can be added to the group: 1.

    iv.   When reset, Device Reset Locally Command Class will send to Lifeline node id.

3. Device Detection:

    Added device will detect automatically, users can control it(on/off, change color, lighting, etc.) and watch information(battery, meter, etc.) via mCamViewZ+ GUI.

4. Different brands' z-wave enabled device can be added and be used normally. Added devices will show on device list. All non-battery powered nodes can act as repeaters regardless of manufacturers.

5. Basic Command:

    Basic command is useful in a scene.

6. Replication:

    Controller can transmit protocol replication data automatically.

About Security:

This controller is a security enabled Z-Wave Plus product. If necessary, it will use encrypted Z-Wave Plus messages to communicate to other security enabled Z-Wave Plus products.

BASIC SET

For unknown device, press device icon will show on/off icon, select on/off and press ok will sent BASIC SET 0xff/0x0.
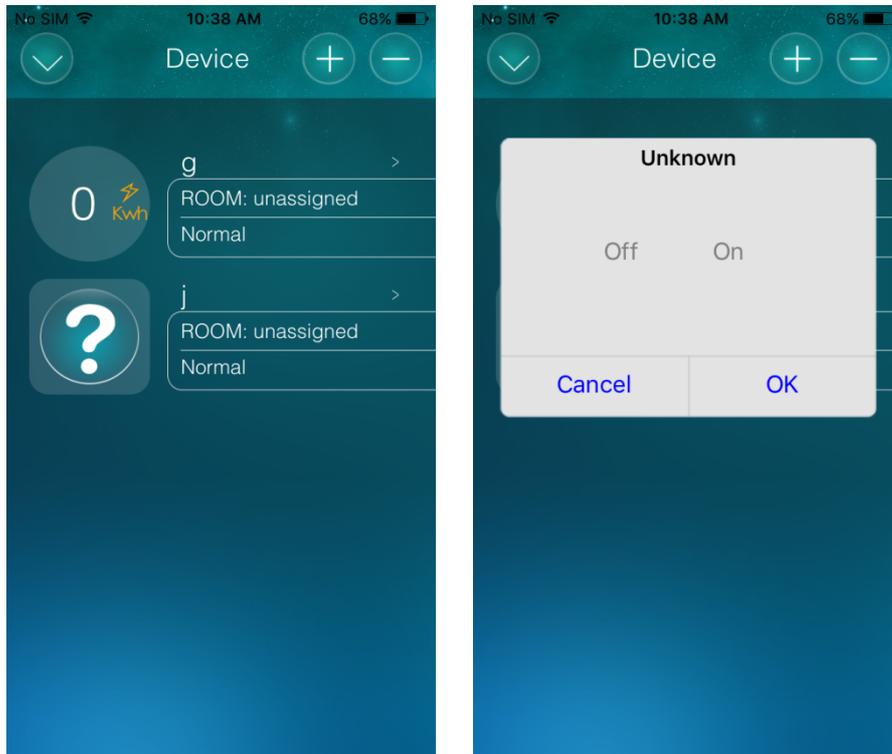
Supported Z-Wave Command Classes:

COMMAND_CLASS_ZWAVEPLUS_INFO

COMMAND_CLASS_VERSION_V2

COMMAND_CLASS_ASSOCIATION_GRP_INFO

COMMAND_CLASS_ASSOCIATION_V2

COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2

COMMAND_CLASS_SECURITY

COMMAND_CLASS_DEVICE_RESET_LOCALLY

COMMAND_CLASS_APPLICATION_STATUS

COMMAND_CLASS_POWERLEVEL

COMMAND_CLASS_CONTROLLER_REPLICATION

COMMAND_CLASS_BASIC

Controlled Command Classes:

COMMAND_CLASS_BASIC

COMMAND_CLASS_SECURITY

COMMAND_CLASS_ASSOCIATION_GRP_INFO

COMMAND_CLASS_ASSOCIATION_V2

COMMAND_CLASS_WAKE_UP_V2

COMMAND_CLASS_MULTI_CHANNEL_V3

COMMAND_CLASS_SWITCH_BINARY

COMMAND_CLASS_SWITCH_MULTILEVEL

COMMAND_CLASS_SENSOR_BINARY

COMMAND_CLASS_SENSOR_MULTILEVEL

COMMAND_CLASS_METER

COMMAND_CLASS_COLOR_CONTROL

COMMAND_CLASS_DOOR_LOCK

COMMAND_CLASS_NOTIFICATION_V4

COMMAND_CLASS_BATTERY

COMMAND_CLASS_SENSOR_ALARM