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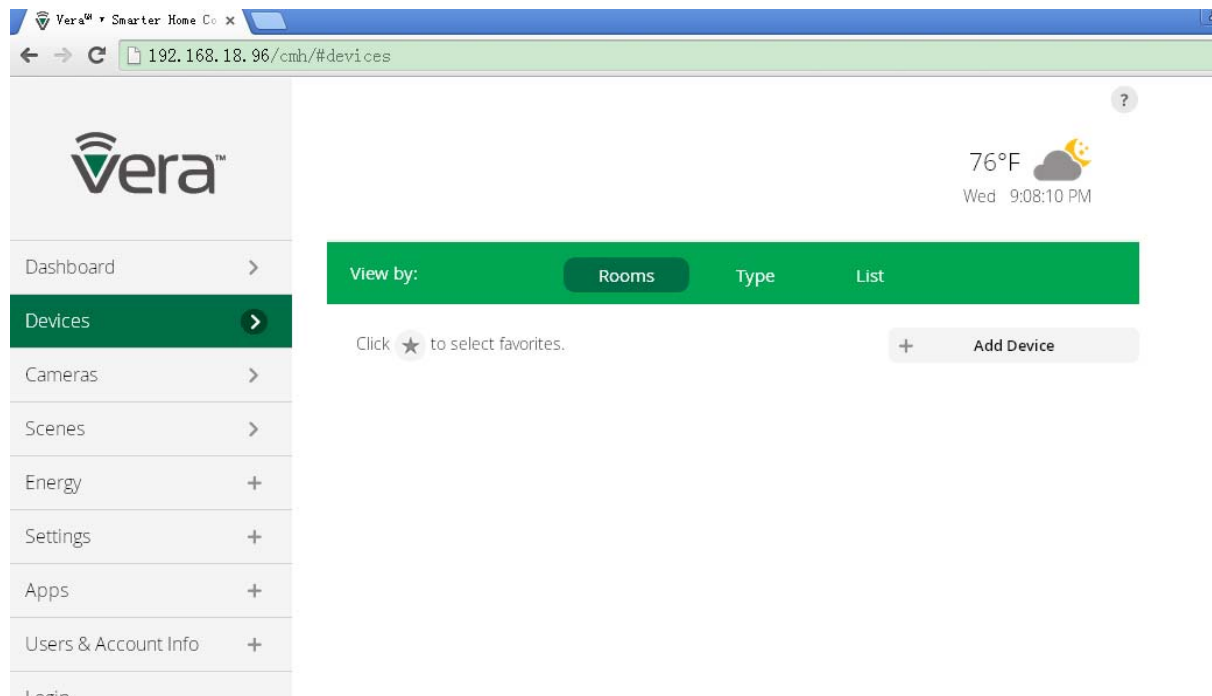
All Categories » Z-Wave

How does ZXT-120 work with Vera gateway?

Last Updated 9 months ago

NOTE: Please do exclusion before inclusion, which is to make sure the ZXT120 is not included in other network.

1. Enter the Vera User Interface, and go to "Devices" option.

2. Then click "add device". You will enter the Add Devices page. Then choose "other device"→ "other Z-wave device"

	Door Locks	+
	Sensors	+
	Hand Held	+
Other Devices		−

Other Zigbee device
Unknown Model   >

Other ZWave device
Other ZWave device   >

Z-Wave Extender/Repeater
Aeon DSD37   >

Garage Door Opener
Linear GD00Z   >

Generic Device   >

Insteon device   >

3. Click "other Z-wave device" and follow the step, Gateway will issue an order for pairing the devices.

Step 1: Select Your Device

Step 2: Pair Your Device

If the device requires assembly read the manual and follow the assembly instructions there and then power the device.

1 **2** 3

Next

Gateway issue an order: add new devices now…

76°F
Wed 9:19:50 PM

Step 1: Select Your Device

Step 2: Pair Your Device

For best results this initial pairing should be done within 3 meters (10 feet) of your Vera. After it has been added you can move it to the desired location. I will notify you when the device is added. Vera is now ready to pair.

1 2 **3**

Follow the inclusion process as described in the users manual.

If you are sure that you are following the instructions and have tried several times to make the device pair but it still will not add, then perhaps the device was already added to another system and needs to be reset first.

0:53

Retry

Please press the black button on the device ZXT-120 within one minute so that the device ZXT-120 will be added to the Gateway.

Please note that Please exclude the device ZXT-120 from other gateways if it was included in another gateway or just press and hold the botton on ZXT-120 for 10 seconds for reset the device.

When device is successfully added, you will see as below. Then wait for around 1 minite. Users could rename the devices as well as the devices can be distributed to different rooms.

Add/Remove :
Checking new device. Please wait.

76°F
Wed 9:31:06 PM

Click "finish" while added successfully.

Step 3: Name Your Device

The device was added.

Now you can name the device and indicate what room you will put it in.

*Name: ZXT-120空调控制

*Room: >> Add Room ▼

Enter Room Name   教室|

*Required. You must name the device. The name must have at least 2 characters and 20 characters maximum. The room name maximum length is 30 characters.

Finish   Add Another Device

Refund to the gateway main interface after finishing. Then you will see the AC controller operation interface.

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86% 🔋

79° ZXT-120空调控制器   ＞

79°F Inside

77°F

∨ ∧

Off

Auto

Cool

Heat

4. AC IR Code Selection.

Pull down the interface and click device option.

Settings	>
Advanced	>
Device Options	>
Logs	>
Notifications	>
Scenes	>

You will see"Add configuration settings"and set the parameter as the box below.

Configuration settings

Variable	Data Size	Desired Value	Current Value	
1	monronly ▾			X

Note: To modify the default values for Variable and Desired Value fields change the value in the input box and click Save Changes below. You can't rename or delete variables that are provided by device.

Add configuration settings   Save Changes

The configuration variable refers to parameter number (27 for code selection, the desired value refer to ZXT-120 code list). Data Size=2byte as usual(Data Size, you can select either 2 byte dec, or 4 byte dec, both works). For example the GREE AC desired value is 18 as configured below. Save changes after setting successfully.

Configuration settings

Variable	Data Size	Desired Value	Current Value	
27	2 byte dec ▾	18		X

Note: To modify the default values for Variable and Desired Value fields change the value in the input box and click Save Changes below. You can't rename or delete variables that are provided by device.

Add configuration settings   Save Changes

Please Note That: Due to every AC brand has many different models while each model has a single IR Code please check and set the codes from the Code list one by one until you find the right one.(Usually the most used codes are at the front row.)

5. **IR Learning**
ZXT-120 might not include all the IR codes of the ACs in the entire market. Therefore our ZXT-120 supports IR Learning function for in case of the users might not find the property IR Code while setting. Operate as below (For example Learning the close setting for the original remote.):

Configuration settings

Variable	Data Size	Desired Value	Current Value	
27	2 byte dec ▾	000		X
25	2 byte dec ▾	0		X

We reserved 23 locations for IR codes and we mapped to Zwave Basic set and Zwave thermostat set command.

Location 0 and 1 is Power OFF and ON

Location 2 to 11 is cool mode with different temperature.

Location 12 to 22 is heat mode with different temperature.

For example, when you set Heat mode and 23°C at Vera gateway, ZXT120 will send the IR code located at 16.

When you set Basic Set ON at Vera gateway, ZXT120 will send the IR code located at 1.

(Storage Location)	Storage in Celsius unit		(Storage Location)	Storage in Fahrenheit unit
0	OFF		0	OFF
1	ON (resume)		1	ON (resume)
2	19°C cool		2	67°F cool
3	20°C cool		3	68 or 69°F cool
4	21°C cool		4	70 or 71°F cool
5	22°C cool		5	72 or 73°F cool
6	23°C cool		6	74 or 75°F cool
7	24°C cool		7	76°F cool
8	25°C cool		8	77 or 78°F cool
9	26°C cool		9	79 or 80°F cool
10	27°C cool		10	81 or 82°F cool
11	28°C cool		11	83 or 84°F cool
12	19°C heat		12	67°F heat
13	20°C heat		13	68 or 69°F heat
14	21°C heat		14	70 or 71°F heat
15	22°C heat		15	72 or 73°F heat
16	23°C heat		16	74 or 75°F heat
17	24°C heat		17	76°F heat
18	25°C heat		18	77 or 78°F heat
19	26°C heat		19	79 or 80°F heat
20	27°C heat		20	81 or 82°F heat
21	28°C heat		21	83 or 84°F heat
22	Dry mode		22	Dry mode

Please do following steps for the IR learning:

Step1: Set parameter (27) with value "0000", trigger ZXT120 to IR learning mode.
Step2: Set parameter (25) with location, tell ZXT120, we are going to learn which IR code.

For example, if we are going to learn AC Power OFF, we set parameter 25 with value 0.
Step 3: Point the original remote to ZXT120
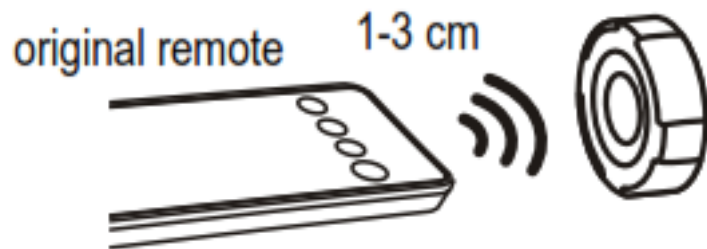
Step 4: Press Power OFF button on the original remote.
If learning success, LED flashes twice, repeat step2 to 4 with different location value.
If learning fail, LED flashes 6 times, repeat step2 to 4 with same location value.
For more details, please refer ZXT120 user manual.

6. the thermostat control UI to control your air-conditioner
Choose "scene" then click"add scene"
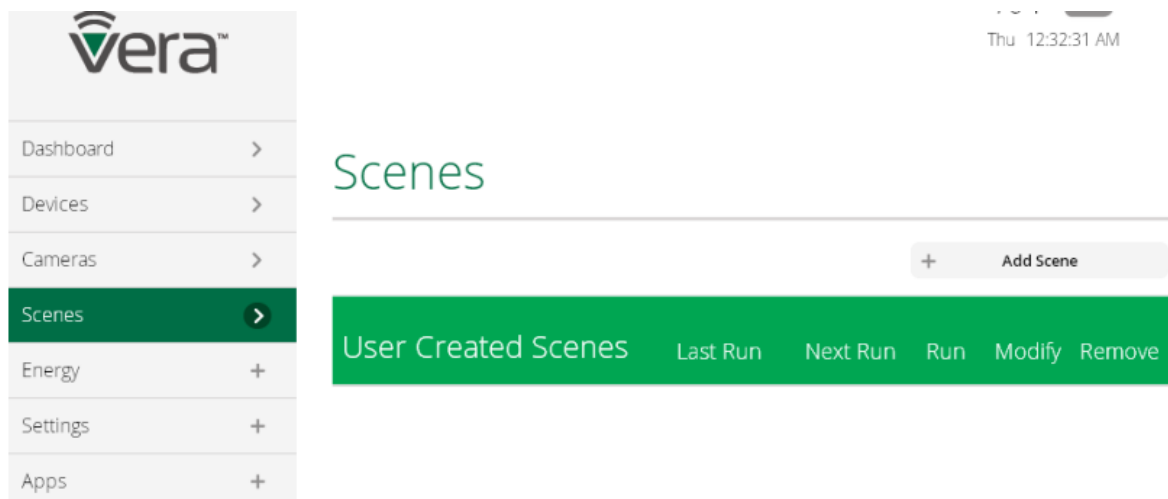
As below，go to "select a device", Choose ZXT-120.

motion sensor detects motion

Let's start:

Back to scenes list

Step 1: Select a Trigger

Select a device that will trigger activation of this scene.

Device	Schedule	Manual

Whenever the...

Select a device... >

Next Step >

< **Back**

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ZXT-120空调控制器 >

Choose the desired temperature, like when indoor temperature is 21 degree, AC will shut off automatically. Operate as below.

Thermostat COOL set point goes below ✓

Ambient temperature goes below ✓
temperature [21] degrees

Battery level goes below ✓

Click"select devices",

Step 2: Device Actions

What do you want to have happen?

Select Devices   >

Add delayed action   +

Next Step   >

Setting the indoor temperature as 21 degree while closing the AC and then save it.

Thermostat   Restore Defaults

86%

79°F ZXT-120空调控制器   79°F Inside

76°F

Off

Auto

Cool

Heat

Validate

Go on next step, like renaming and so on. Then save it. Now the scene has been set successful. When the indoor temperature becomes 21 degree the AC will shut off automatically.