

1 Create Device

1.1 Introduction

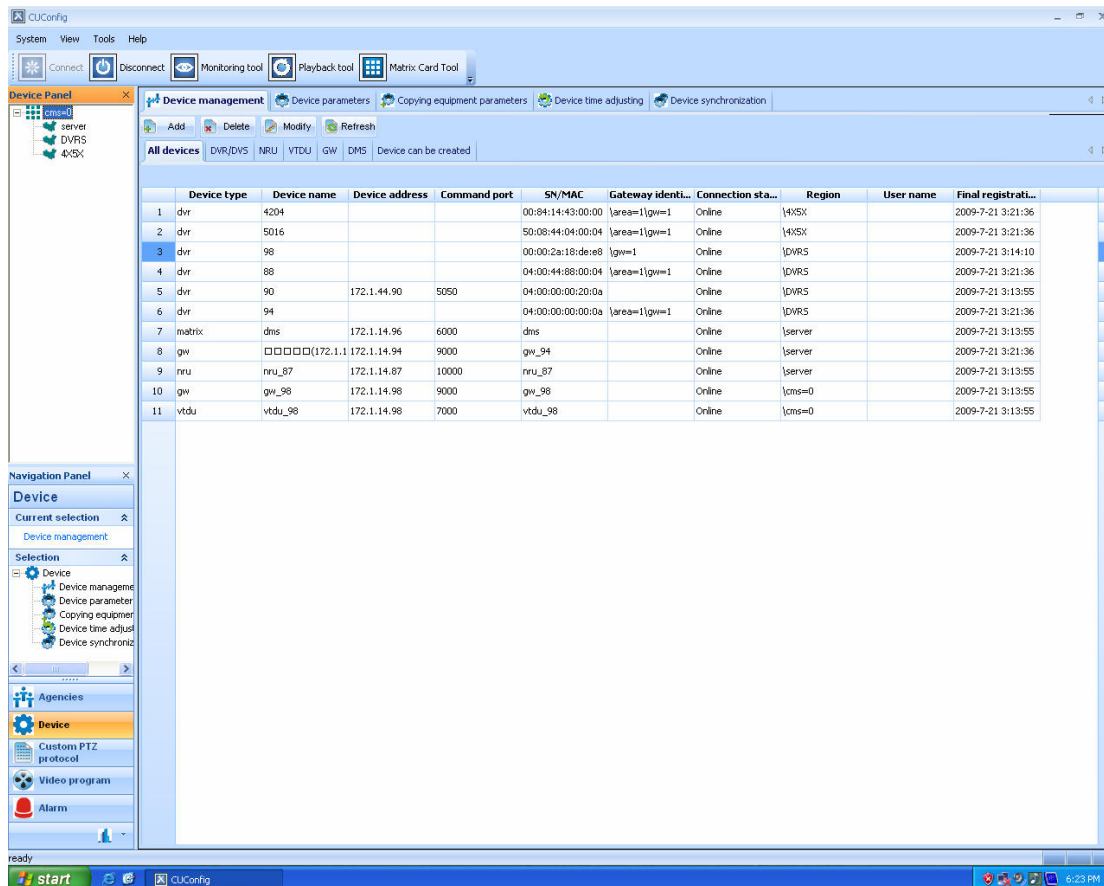
Though there are many types of devices, the steps are basically the same of creating devices to CMS (Full Name: Center Management Server)

This user's guide describes two ways of creating devices. The devices can register to CMS initially. Also you can Manually add devices, then, the CMS will connect devices automatically.

1.2 Operation

1.1.1. Devices register to CMS

- (1) The device has been configured to register to the CMS
- (2) Run "CUConfig.exe", select "System" - "Connect", type in IP address, port and administrator account (Default password for root is blank.) of CMS to enter the system. Select "devices" - "Device Manager" page at "Navigation panel" to manager the Device, as shown, as the figure below.



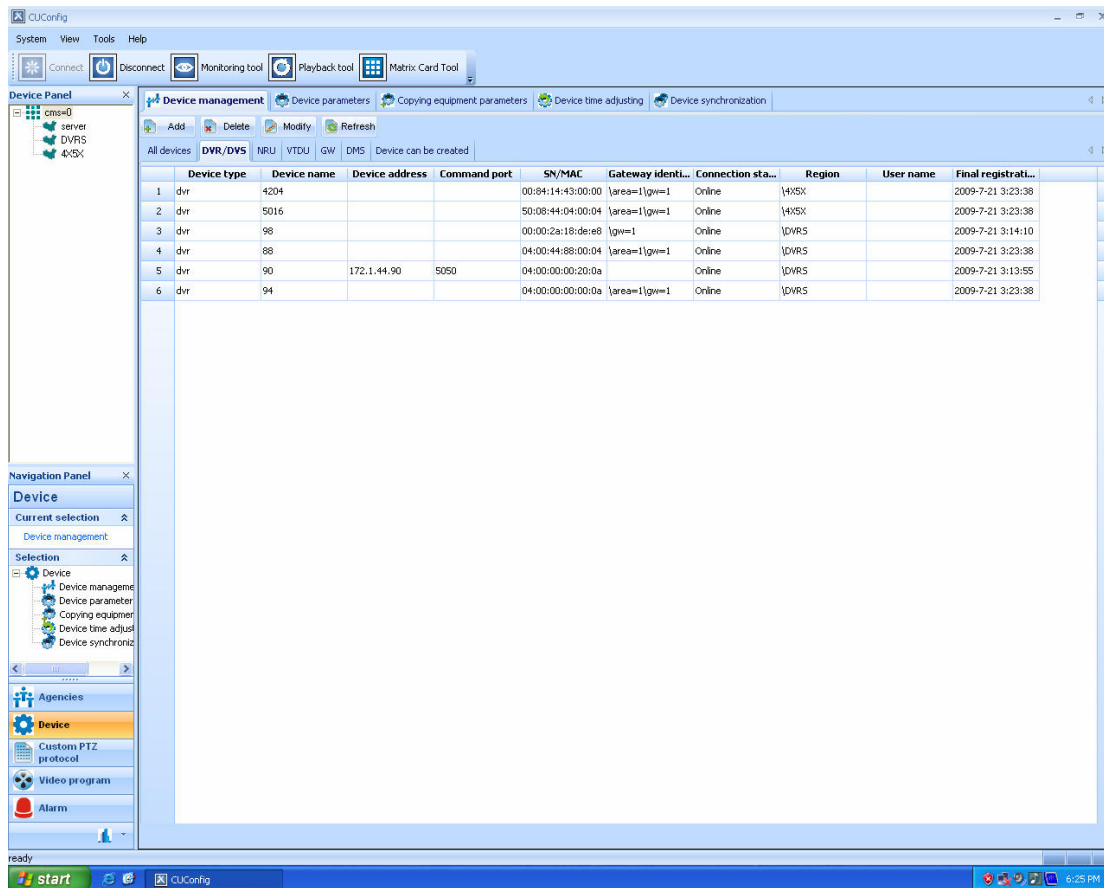
- (3) Select the administrative division of the device at the left structure panel (Note: The device will be shown according to the administrative division you choosed) ,The "Device can be created" page will show all device, initially registered to the CMS or GW. Click the "Device can be created" page,select a device,click the "Add" button, Pop-up the "Add Device" dialog box , the device registration information will be displayed in the dialog box , as the figure below.

The image shows a software dialog box titled "Add device". It contains the following elements:

- Via gateway
- Gateway: [dropdown menu showing 172.1.14.94:9000]
- Device address: [text input containing gw_94]
- Device port: [text input containing 0]
- Device kind: [dropdown menu showing DVR]
- Device MAC: [text input containing 00:55:2a:11:dd:63]
- Device name: [text input containing dvr(gw_94:0)]
- User name: [empty text input]
- Password: [empty text input]
- Synchronize device
- OK button
- Cancel button

Type in the user name and password of the device,click "OK" to complete the creating of device . Click **Synchronize device**,the configuration of device will be synchronized to CMS after device is connected.

- (4) If the user name and password is correct,the status of device is online.You can view the status of devices through the pages of the "all devices" or the corresponding page, as the figure below.



1.1.2. Create device manually

- (1) Select the administrative division of the device at the left structure panel (Note: The device will be shown according to the administrative division you choosed) ,click “Add”, the following dialogue will appear

The image shows a software dialog box titled "Add device". At the top left is the title "Add device" and a close button (X). Below the title bar, there is a checkbox labeled "Via gateway" which is currently unchecked. Underneath this is a "Gateway:" label followed by a dropdown menu. Below that are several text input fields: "Device address:", "Device port:", "Device kind:" (with "DVR" selected in the dropdown), "Device MAC:", "Device name:", "User name:", and "Password:". At the bottom of the dialog, there is a checked checkbox labeled "Synchronize device", a yellow "OK" button, and a blue "Cancel" button.

- (2) In this dialogue, select “Via Gateway” or not. If select “Via Gateway”, you must select the existent gateway, as shown below:

The image shows a software dialog box titled "Add device". It features a light blue background and a standard window title bar with a close button. The dialog contains the following elements:

- A checked checkbox labeled "Via gateway".
- A dropdown menu for "Gateway" with the value "gw_98".
- A text input field for "Device address".
- A text input field for "Device port".
- A dropdown menu for "Device kind" with the value "DVR".
- A text input field for "Device MAC".
- A text input field for "Device name".
- A text input field for "User name".
- A text input field for "Password".
- A checked checkbox labeled "Synchronize device".
- Two buttons at the bottom: "OK" (yellow) and "Cancel" (blue).

- (3) Type in the IP address, port, device kind, device SN, device name, username, password of the device. After setting, click “OK”. If the above-mentioned information is correct and the device runs well, the target device and its status “online” will appear in “Device Management”→”All devices” or “DVR/DVS”.

Note:

- ◆ SN is the unique ID of every device. For DVR/DVS, the DVR/DVS serial number is its Mac address (MAC address can be found via IE explorer to log in DVR/DVS), middle layer device is the user-defined SN ID while installation.
- ◆ There are 3 kinds of input format for DVR/DVS device MAC address,including:
00:00:2a:18:de:e8
00-00-2a-18-de-e8
00002a18dee8
The above 3 kinds of device MAC address can be recognized by NVMS.

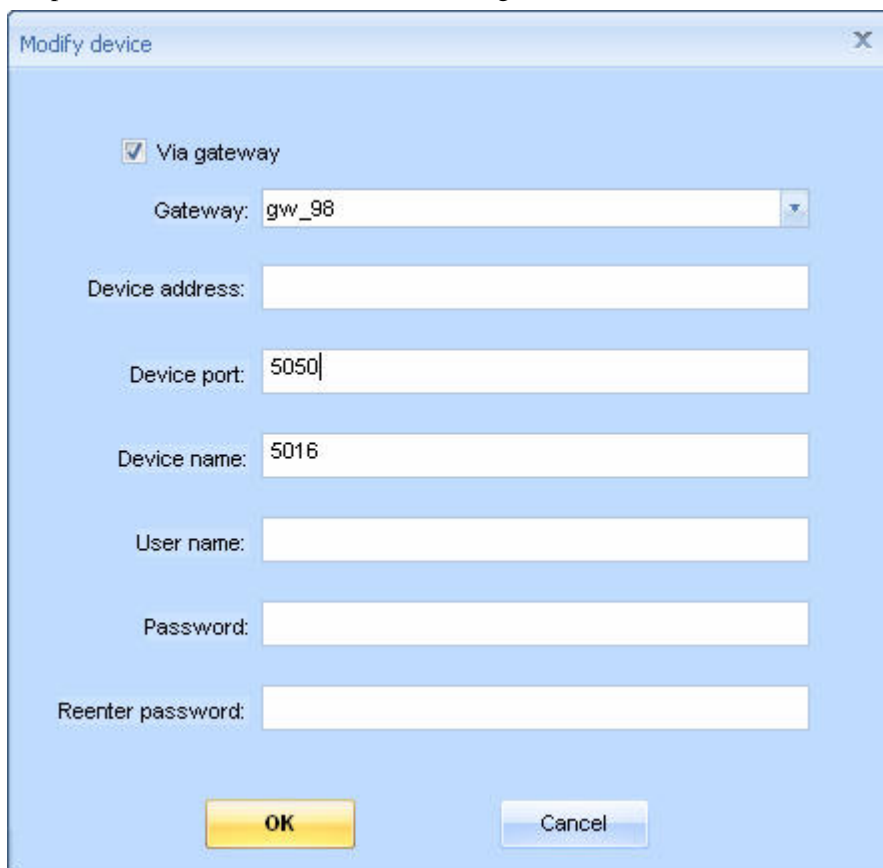
- (4) Device port is its communication signal port for DVR/S devices, the default port is 5050; For middle layer device, device port is the user-defined communication port during installation. VTDU service default value is 7000, GW device default as 9000. NRU service default as 10000,DMS service default as 6000.

1.1.3. Edit/delete existent device

For the manually-created device, if its IP, port, gateway is edited, but CMS is not informed of this, so it is needed to edit device IP, port, gateway etc in CMS to guarantee CMS can connect to device normally.

For device, which is automatically registered to CMS, but its register information is edited, need to edit device information here in CMS. The user can edit the device connection information here in CMS, to make the device connected to the CMS via another router; If directly connecting to CMS is changed to connecting CMS by via gateway, or connecting to CMS via gateway is changed to directly connecting CMS, connecting to CMS via Gateway 1 need to be changed to connecting to CMS via gateway2.

- (1) Select the target device, click “Modify” button, the dialogue “Modify Device” will pop up, the device gateway info. IP address, device port, device name, username, password etc. can be edited in this dialogue.



The image shows a "Modify device" dialog box with the following fields and options:

- Via gateway
- Gateway: gw_98 (dropdown menu)
- Device address: (empty text field)
- Device port: 5050 (text field)
- Device name: 5016 (text field)
- User name: (empty text field)
- Password: (empty text field)
- Reenter password: (empty text field)
- Buttons: OK, Cancel

- (2) Chose the target device, then click the “delete” button, system will inform you if it confirm to delete this device, clicking “confirm” button will delete this device from the CMS, then this device will not be controlled by CMS.

Note: deleted device can be added to CMS again through adding device operation, the concrete operation is same to “Creating new device”