Industrial grade IP KVM switch

User manual

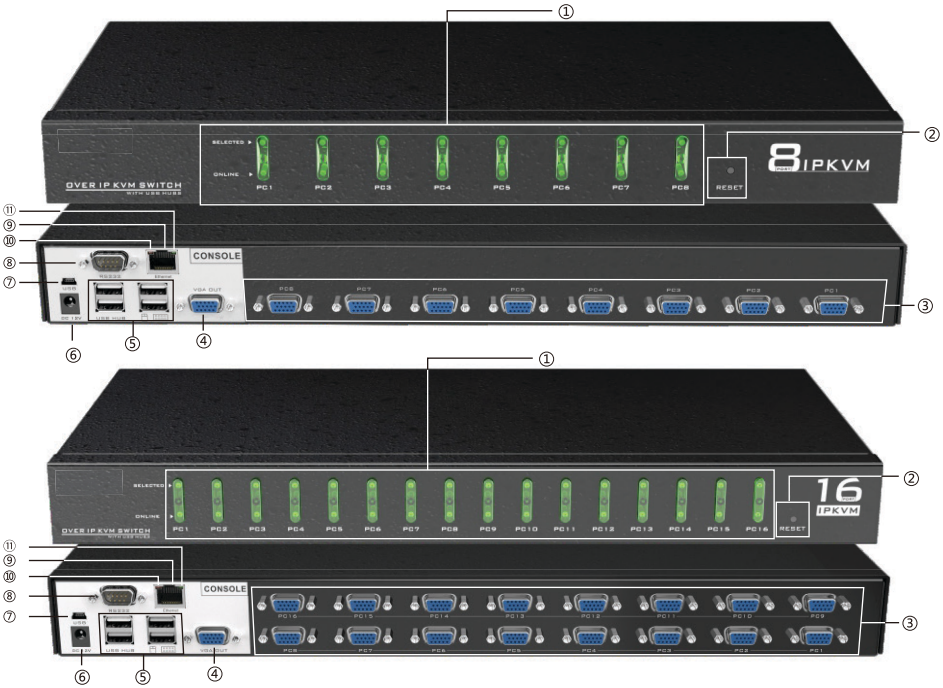
Description

Thank you for purchasing this IP-KVM switch. The IP KVM that means a KVM switch with remote management function. A set of keyboard, mouse, and monitor control multiple computers and can remotely control multiple computer servers. IP KVM transmits each computer's signal to the IP data packet through the Internet or private network. At the remote control side, the IP signal will be compiled again into keyboard, mouse, and monitor signals. In order to ensure data security, data packets are usually encrypted. And IP KVM can provide remote management without distance restrictions.

Features

- USB2.0 port, with USB hub, support any USB2.0 devices.
- System supported: DOS, Win95/ 98/ 98SE/ 2000/ ME/ XP, WinNT, Netware, Unix, Linux.
- Plug and play, can plug in or unplug the connected computer without turning off the KVM switch and computer. Hot plugging is not recommended.
- Excellent picture quality, resolution up to 1920*1440, bandwidth 350MHz.
- No software neededl: control the host computer that need operate for network control via buttons, hotkey, OSD menu.
- With buzzer.
- With LED light.
- Support auto-scanning, default 5s.

Interface instruction



① 1~8/ 1~16 panel switch button
② reset button
③ input port
④ Output port
⑤ USB Hub
⑥ LED flash fast that means data interaction
power port
⑦ USB ports and 8 serial ports are vendor-specific
interfaces that users cannot use
⑨ LAN port：Ethernet interface
⑩ Red LED：0M Ethernet connected
⑪ Green LED：100M Ethernet connected

Hotkey command introduction

In addition to the front panel buttons, the KVM switch port can also be used via a simple keyboard combination. Simply press the HOME / Cap / Scroll / Num keys twice within 2s to send a command to the KVM and you will hear ” Beep ". After confirm that you can use the hotkey command, this product has multiple modes to choose. HOME + HOME is the default mode, when you do not want to use this mode, you can choose another command mode. The following is the way to set different hotkey mode.

HOME + HOME default mode

HOME + HOME + Caps Enter hot-key Caps mode

HOME + HOME + Scroll enter hot-key Scroll mode

HOME + HOME +Num Enter hot-key Num mode

Default mode command

HOME + HOME + 1、2.....	Switch to the corresponding port.
HOME + HOME + →or↓	Switch to Next
HOME + HOME + ←or↑	Switch to Pre.
HOME + HOME + B	Off/ on the buzzer
HOME + HOME + S	Auto-scanning, press any key to stop auto-scanning

Home+ home + Num. +enter: set the auto-scanning intervals, from 5 - 999s
If you would like to use Caps mode, please press Home+ Home+ Caps first

Caps mode Command

Caps + Caps + 1、2.....	Switch to the corresponding port.
Caps + Caps + →or↓	Switch to Next
Caps + Caps + ←or↑	Switch to Pre.
Caps + Caps + B	Off/ on the buzzer
Caps + Caps + S	Auto-scanning, press any key to stop auto-scanning

Caps+ Caps+ I+ Num+ enter set the auto-scanning intervals, from 5 - 999s

OSD menu opearation

Hot-key also can be achieved under OSD mode, According to the below way to choose one hot-key port from OSD menu.
Home+ Home+ Enter to active OSD menu.
Note: If you are using OSD, you can click directly when you are on the main menu.

Main menu

1

USER:ADMIN : According to User selected, red letter will be revised.

C:00 : Cascade indication, 00 represents the first level, 00represents the second level.

KVM :8 PORTS : the digital of port: 8 shows 8 port KVM switch, 16 shows 16 port KVM switch.

! : Port selected.

T : the port auto-scanning selected.

ON : USB port is connected correctly.

Menu setting

F1: Revise port name

F2:Set the port to be scanned, used with auto-scanning mode 2 TAG (press F2 to open or close the scan, identify “ T”, as shown in Figure 2 below)

F3:Set system

F4:Scan port

F6:Set the host to be assigned non-administrator users (which hosts User 1-7 can operate)

F7:Set user login

Note: F1, F2, F3, F4, F6, F7 need to press on keyboard.

▷ F1:Modify the host name

2

Note: You can change the name of the host as you like, use the keyboard up and down key to control, when you need to change the host name, press the enter on keyboard can be changed

▷ F3: System setting

3

Setting method: Under the current option, press enter to enter the setting:

01: Buzzer on/ off

02: Autoscan Mode

0: All of ports

1: The option ID only scans the PC port connected to the USB

2: only scans the port that mark by “T”(as figure 3)

03: Autoscan interval, default 5s

04: After switching, the OSD shows the Banner interval

05: After switching, OSD shows banner position, after entering, press Alt+ “↑↓←→” key to adjust position

06: Plugin Jump Mode

0:The device will be automatically switched to the port just inserted into the USB device when all the ports are free

1:Plug in a USB device (When USB port has a 5V devices input), it automatically switches to the one you plugged in, giving priority.

Note: The PLUGING JUMP MODE setting is only useful if JUMP CHECK is set to 1.

07:JUMP CHECK

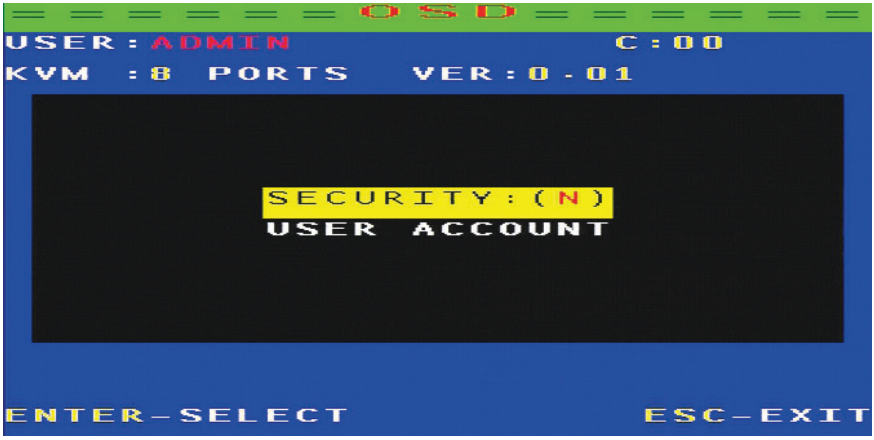
0:NONE: Does not detect, Port switching could via panel keys or hotkey

1:POWER: Detects the USB is correctly plugged in and can only be switched on the port where the USB device is plugged in

Note: If set to 1, you can not switch to the port that has no USB plug, regardless of the hotkey or keypad operation

08:Check the software version information

▷ F7： Enter the user settings



When you press F7 into the user settings, the screen shown in Figure 4, SECURIY: Y represents that need the password to enter, N on behalf of don't need the password to enter, press the "↓" into the user account, Press "enter" to into, enter the screen as Figure 5

5

F1: modify the user name (user name: ADMIN, USER1, USER2, USER ..... behind 6 X is hidden password, you need to press F9 to view)

F9: View the current password (the figure above by F9 shows the first user's default password is 000000)

F4: Change the password

However, when set to Y, the OSD adds F5: LOGOUT options. Each time you login will be prompted, as shown in Figure 6:

6

Figure 6 USER Name: the user name above Figure 5,

Password: the password behind the user name, then you need to submit the user name and password to enter

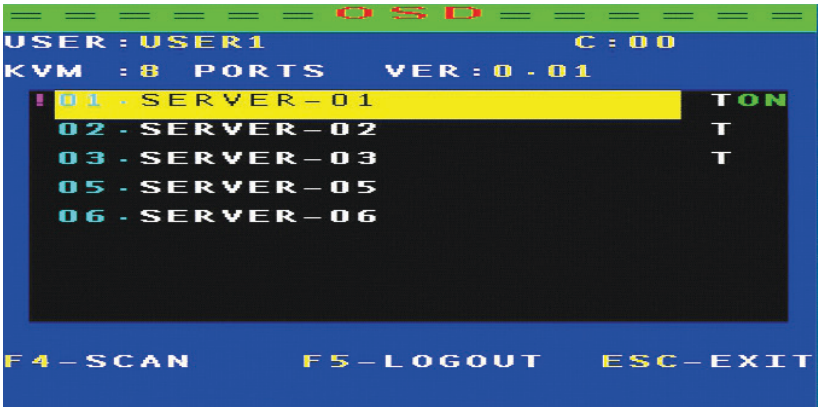
When you want to set the administrator to enter the OSD menu operation, you need to press F5, then OSD menu will restore picture like Figure 6 .

▷ F6： Set and assign the administrator user host (which hosts User 1-7 can operate)

7

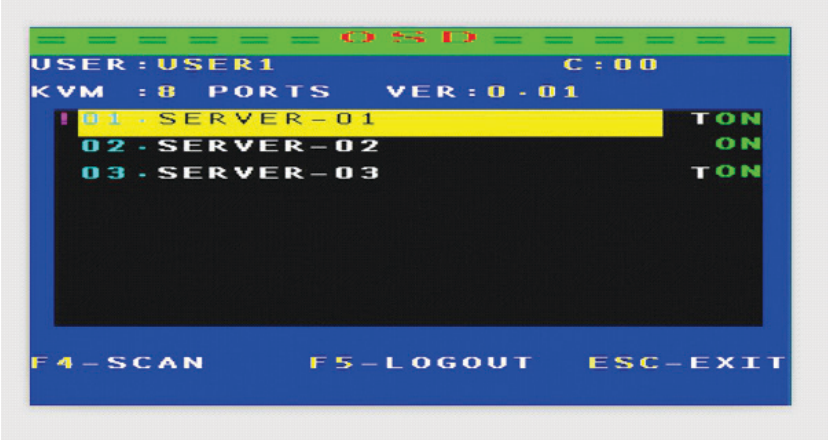
When you press the “F6” into Figure 7 picture, then press F1, F2, F3, F4, F5, F6, F7, the light green in the OSD menu will appear 1, 2, 3, 4, 5, 6, 7 . These numbers represent USER1-7 users, press F12 to assign all users: DEL DELETE ALL USER'S PERMISSIONS.

For example: in Figure 7, SERVER-01 ~ SERVER-03, each of these hosts have eight users, when you enter any one user can enter to control these three hosts: At this time when you press F5 to enter the user login picture(Figure 6) write User name: USER1, password: 111111 interface as Figure 8, you can see that 1,2,3,4,5,6 computers you can operate.



8

input the user name: user-03, password: 333333, you can see that only 1,2,3 computers can operate, and so on



9

The default administrator user name: Admin, password: 000000, when you use this account, you can operate any host

Noted: When you forgot possward, please set user name: Admin, possward: MTVIKI.

Press the keyboard HOME + HOME + F + L + A + S + H + Enter to enter the initial settings

Cascade installation steps

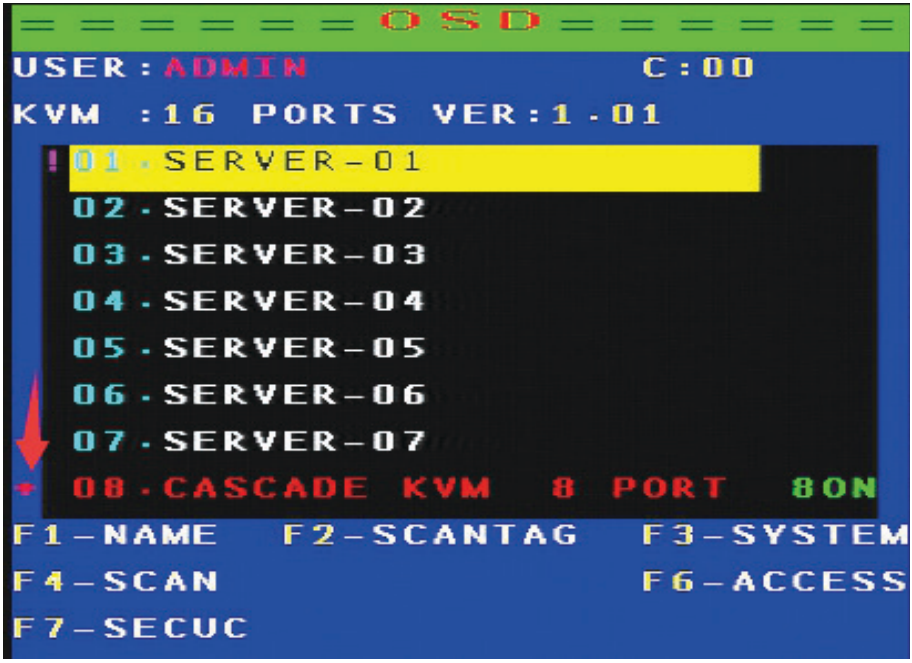
Precautions before installation:

1.Connect output source, input source, cascade cable and keyboard, mouse.

2.Connect the power adapter after output source, input source, cascade cable connected to prevent the keyboard stuck phenomenon.

3.Please start PCs after all done.

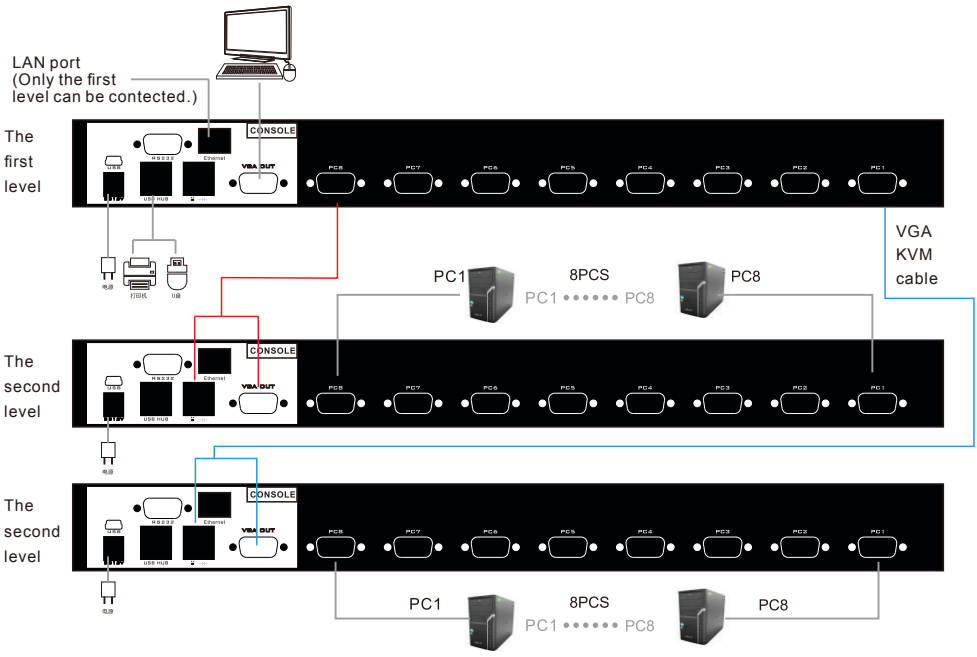
4.After cascade, switch method: Panel button, OSD switching: press HOME+ HOME+ enter to activete OSD menu. You will see the picture on screen like figure 10:



Press "↓" to control next PCs untill 8th/16th port. Press "+" to controll second level PCs. If you would like to back the first level PCs, please press "-" when OSD show "0.1 SERVER-01"

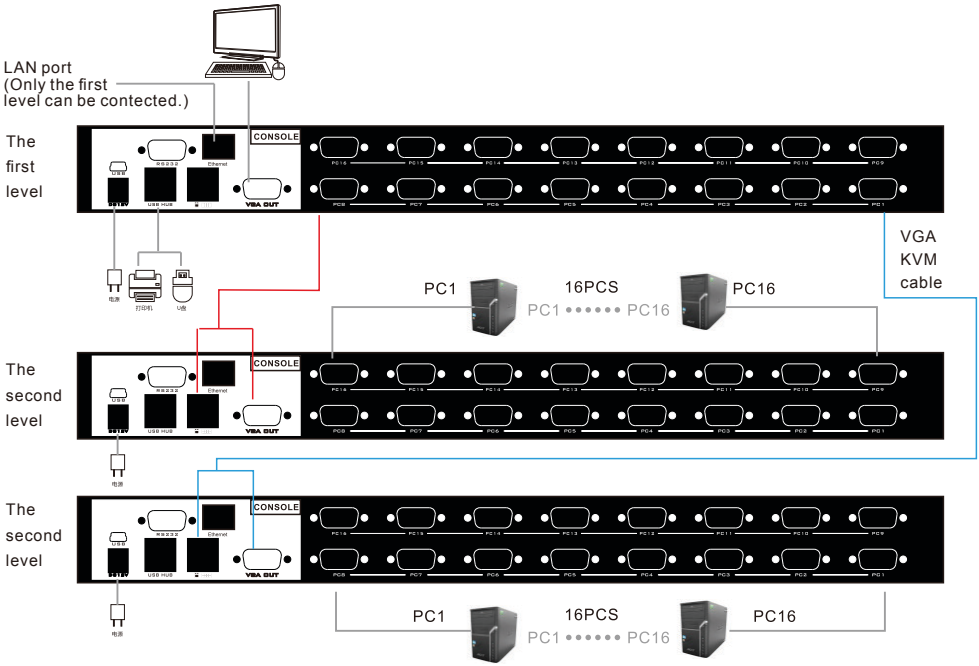
Note: Each products need to connect power when cascade, the product of each input port can be used as a cascade port, cascaded up to two level. (Cascade will account for an input port)

8 port cascade diagram



Note: 8 port KVM switch connect up to 56PCs

16 port cascade diagram



Note: 16 port KVM switch connect up to 240 Pcs.

Please note that the wiring connecting sequence, if reverse, may result in product burnout, the consequences.

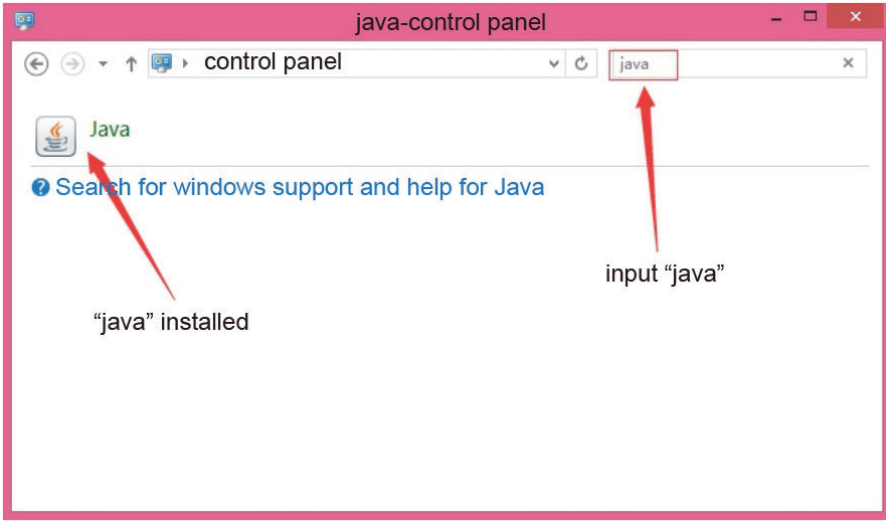
IP control steps

Application Software Description

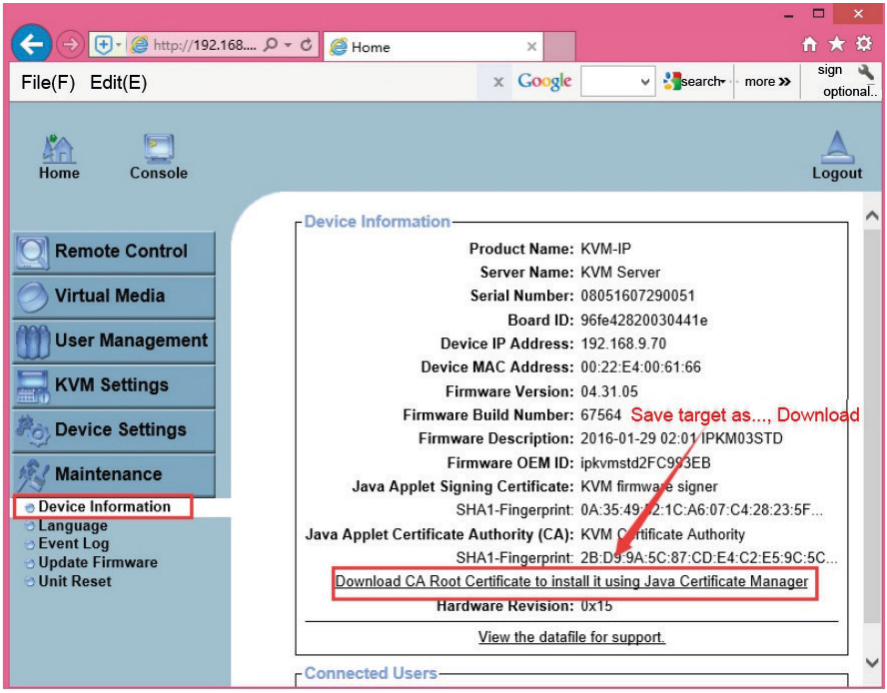
1. In order to remotely control KVM, your operating system must support the 5.0 (V1.5) JRE (Java Runtime Environment). You can download it from the following website: http://www.jave.com/

2. For better use of features, it is recommended that you download the latest Java version

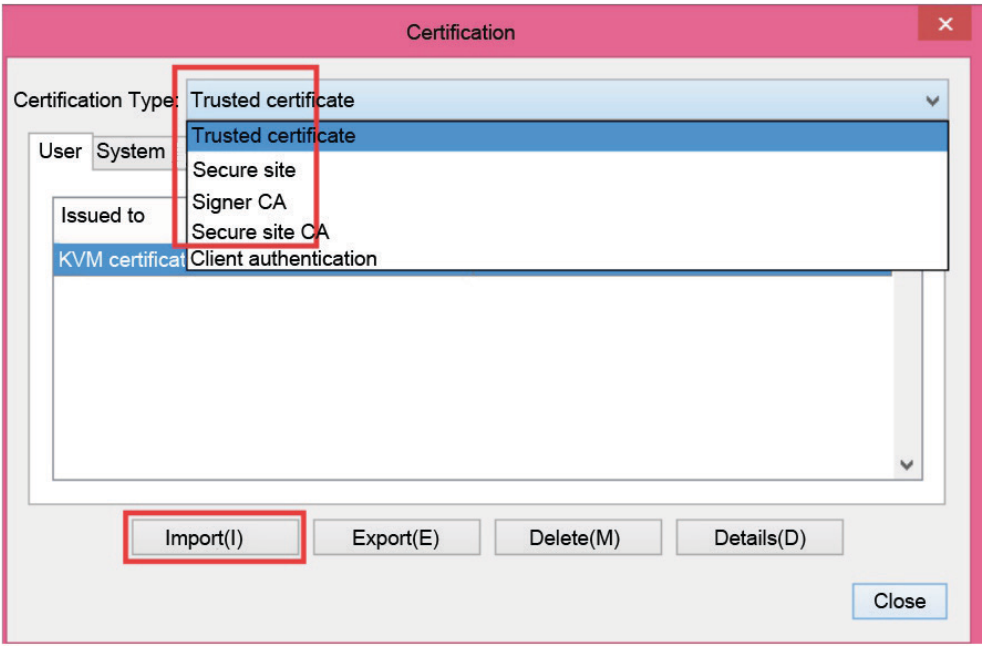
3. In the search panel of the computer control panel, enter: "Java" to see if "Java" is installed. If it is not installed, you need to download and install it first:



4. Download the certificate: "KVM_certificate_Authority.P12" or a copy in the CD



5. Import the certificate in Java, double-click Java, open the software, click security, certificate management, certificate type: "Trusted certificate" "Secure site" "Signer CA" "Secure site CA" must be imported "KVM_certificate_Authority.P12 "certificate



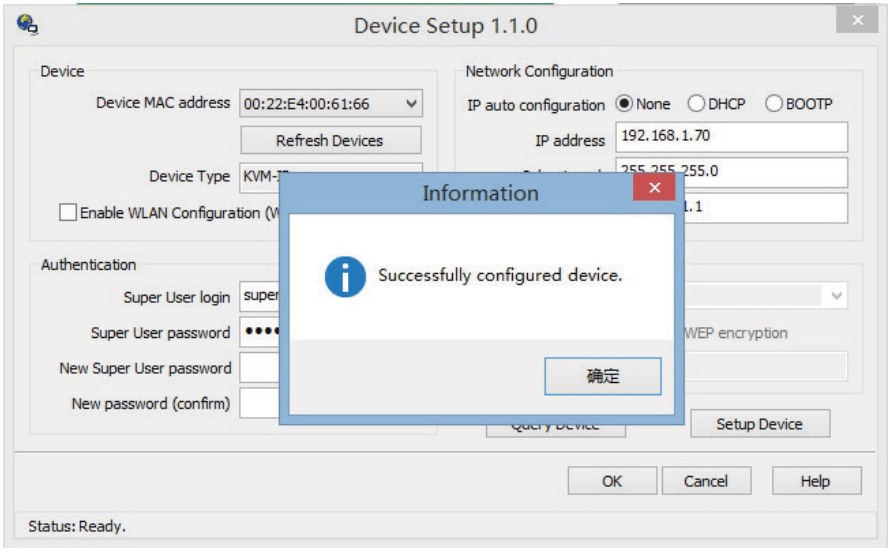
Network Configuration

1. KVM IP factory default settings
   Default username: super
   Default password: pass
   DHCP: Disabled
   IP address: 192.168.0.70
   Mask: 255.255.255.0

The network configuration software (psetup) is used to set the network configuration (IP address, mask, DHCP, etc.). When you want to change the network configuration or cannot connect IP-KVM because you do not know the IP-KVM network configuration, in this case, you can view or change the settings through this “Psetup” software

Set a fixed IP

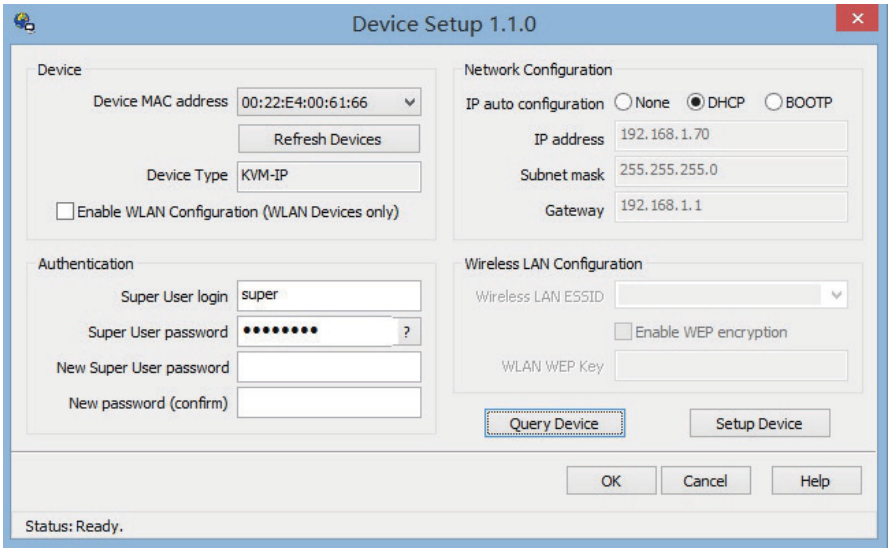
1) Use psetup to find IP-KVM.
   - Click the Refresh Devices button to detect the connected device
   - Select an IP-KVM MAC address in the "Device Mac address" box. You can find the MAC address label on the bottom side of the IP-KVM body.
   - In the right pane, click Query Device to query the IP configuration.
2) Set "IP auto configuration" to "None" and set the IP address and mask
3) Enter "super user login" and "super user password" for verification (default: super/pass)
4) Click Setup device. If login authentication passes, it will display "successfully configured device." Otherwise, it will show "permission denied".



Get an IP from the DHCP server

1) Set "IP auto configuration" to "DHCP”
2) Enter "super user login" and "super user password" for verification (default: super/pass)
3) Click setup device. If login authentication passes, it will display "successfully configured device”
4) Use Psetup to determine the IP address

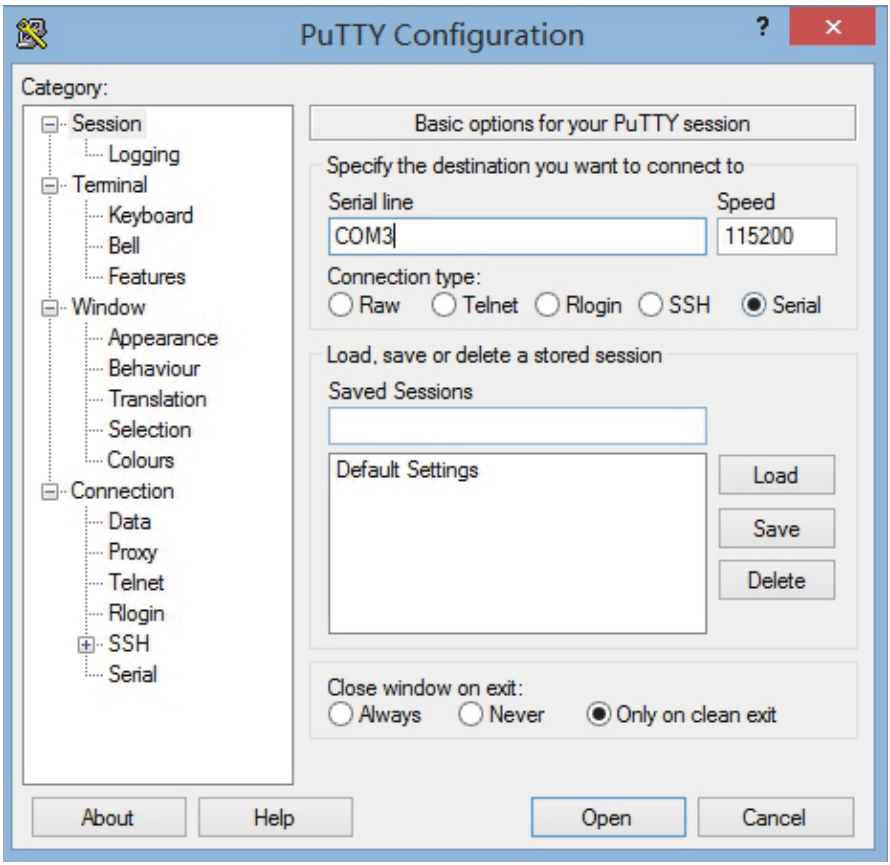
- Click the refresh devices button to detect connected devices
- Select a MAC address corresponding to IP-KVM in the "device Mac address" box. You can find the MAC address label on the bottom side of the IP-KVM body. The IP-KVM MAC address can be detected between the computer and IP-KVM via a USB A-mini cable or network connection.
- In the box on the right, click Query device to query the IP configuration



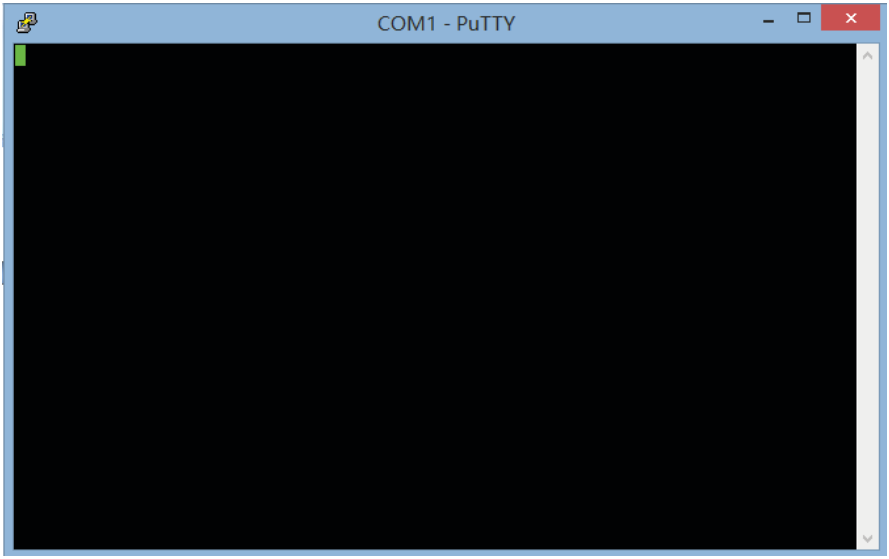
Password reset

Whenthe default password "pass" modified, and lost the modified password, then you can use the R232 serial port through the "PUTTY" software to restore the default password. (PuTTY software can be downloaded online)

1. After installing "PuTTY" software, click Open, select "serial", fill in the blank space under "serial line" with the current COM port (you can view the current port from the port managed by the device), fill "115200" in the blank space under "speed" , as shown below:



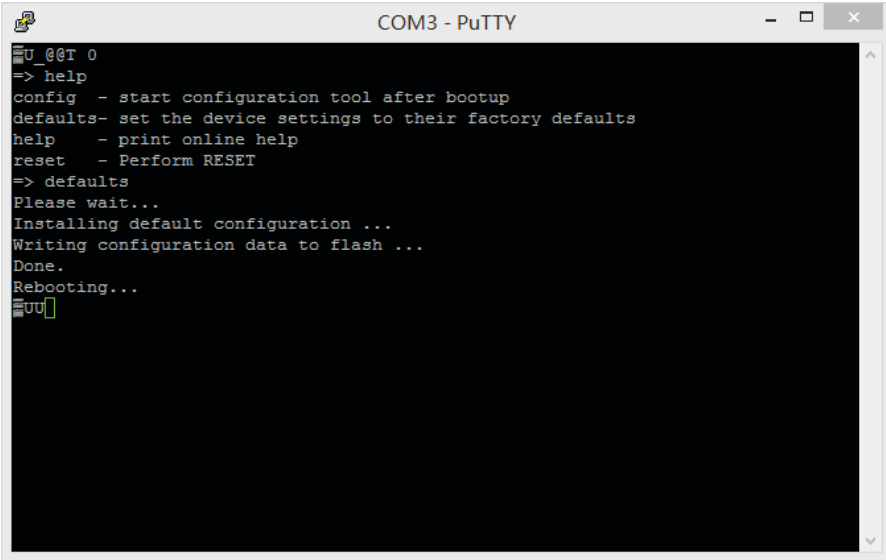
2. Click "open" to open the software as shown below:



3. While powering on the IP-KVM, press the "ESC" key on your computer's keyboard until you see the "=>" symbol. Enter "help" and press the enter key. Press Enter after input “default”. Wait until the interface appears:

- Installing default configuration ...
- Writing configuration data to flash ...
- Done.
- Rebooting...

As shown below: Please re-power! The password recovery default value is successful.



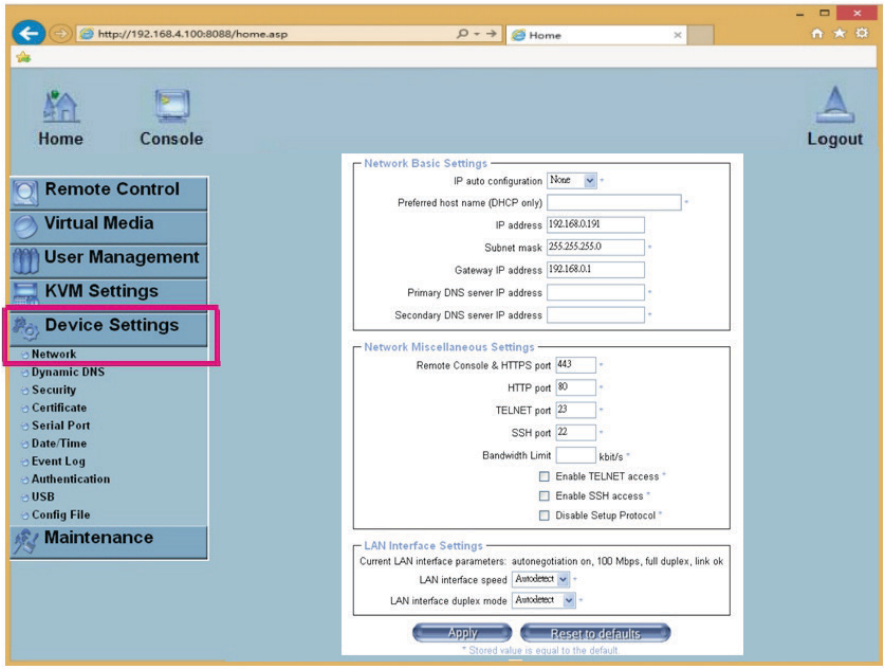
Using aweb browser

You can access the IP-KVM after learning of the IP address through a web browser. After the user name and password are used for login authentication, you can access the IP-KVM web server through a web browser.

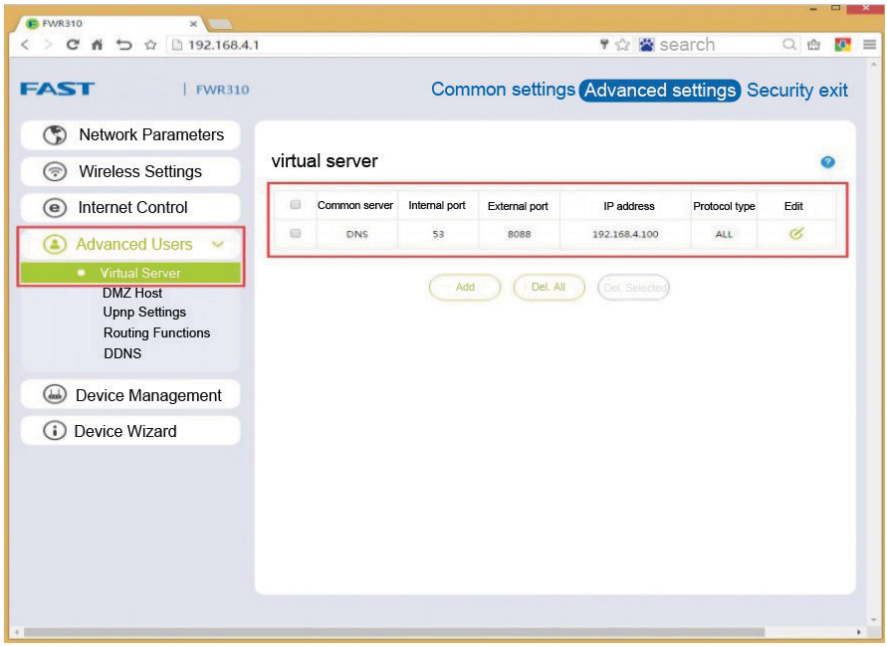
For example, when you type the following string in your browser URL field, a passwordless connection is established: http://<IP-KVM's IP address> When using a secure connection, enter http://<IP-KVM's IP address>

This will guide you to the IP-KVM login page as shown below.

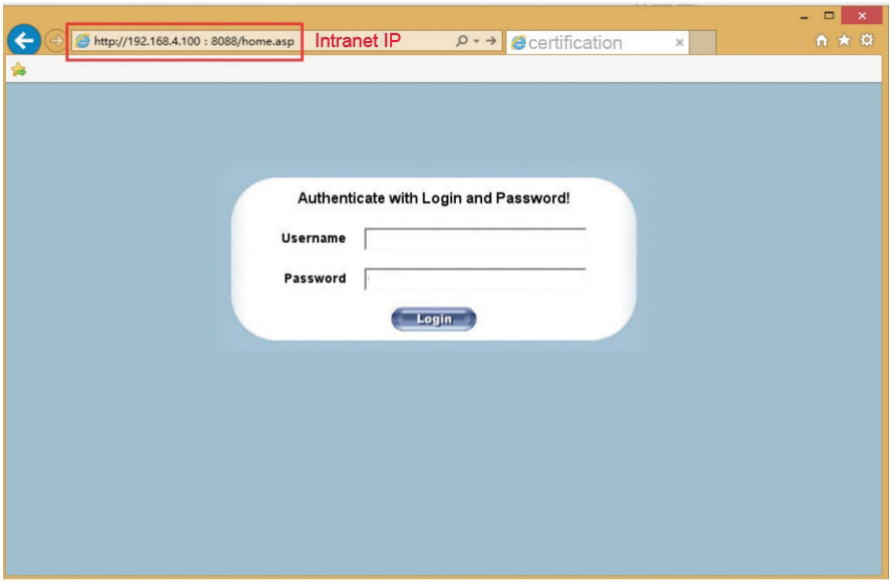
IP-KVM network parameter setting reference:



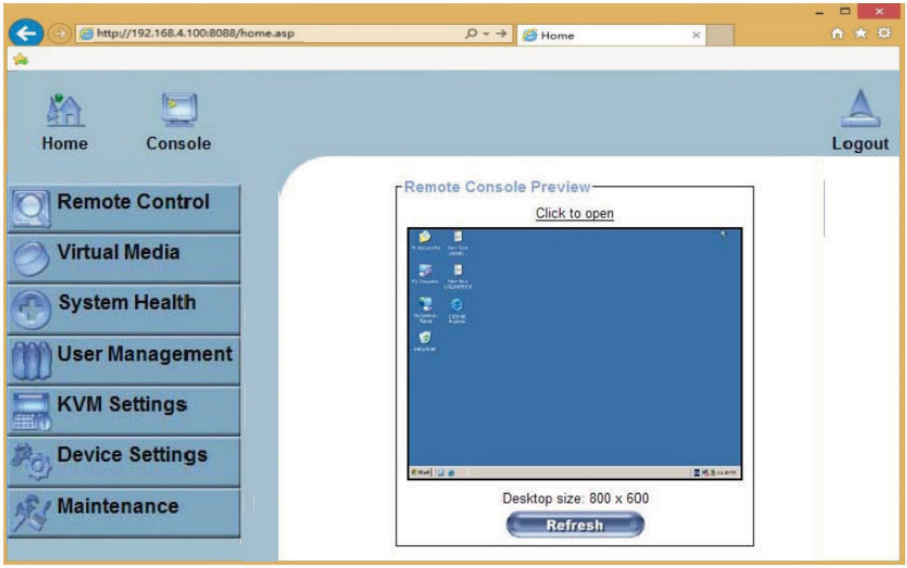
Router port mapping as shown below:



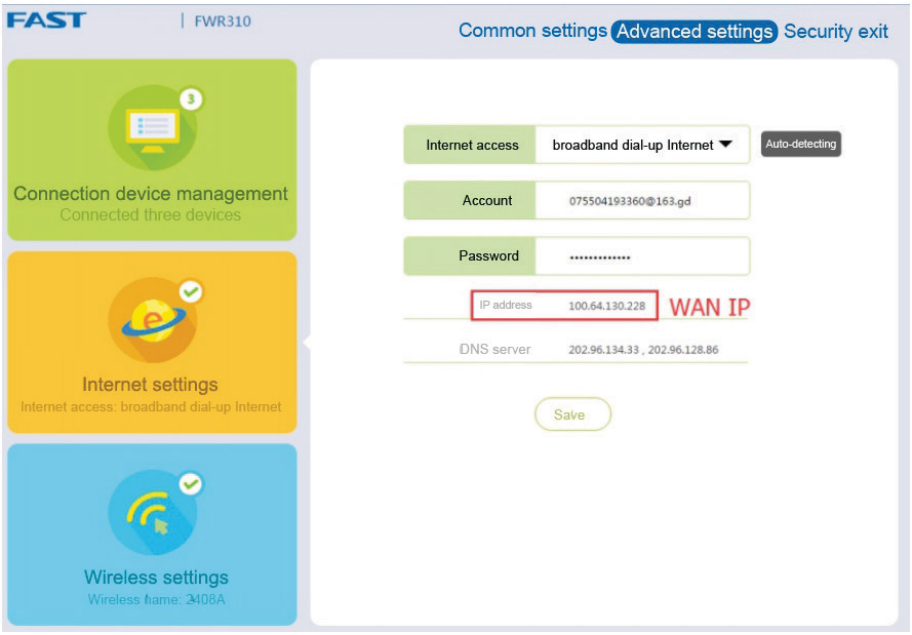
LAN users through the intranet IP login interface:



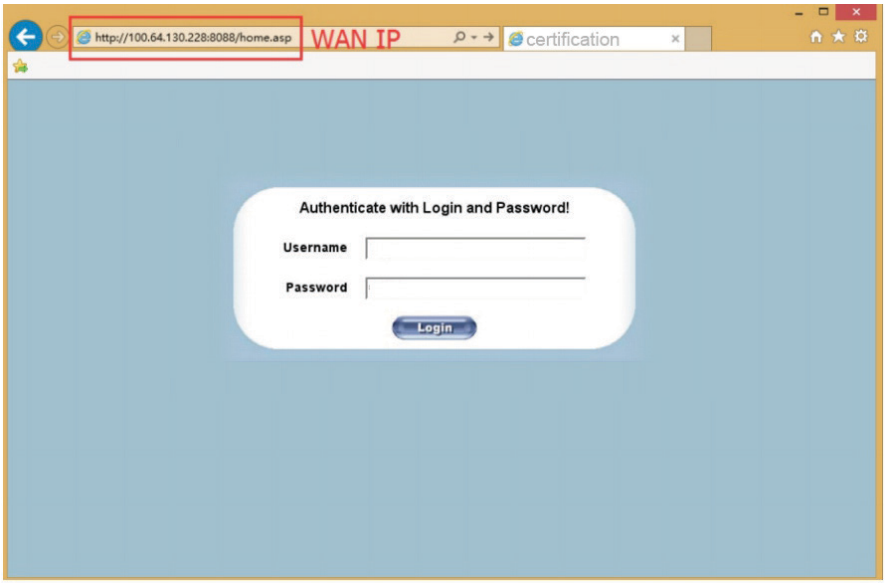
The LAN user login is as follows:



Check the WAN IP address through the router:



External network users log in through the WAN IP interface:



WAN IP login success interface:

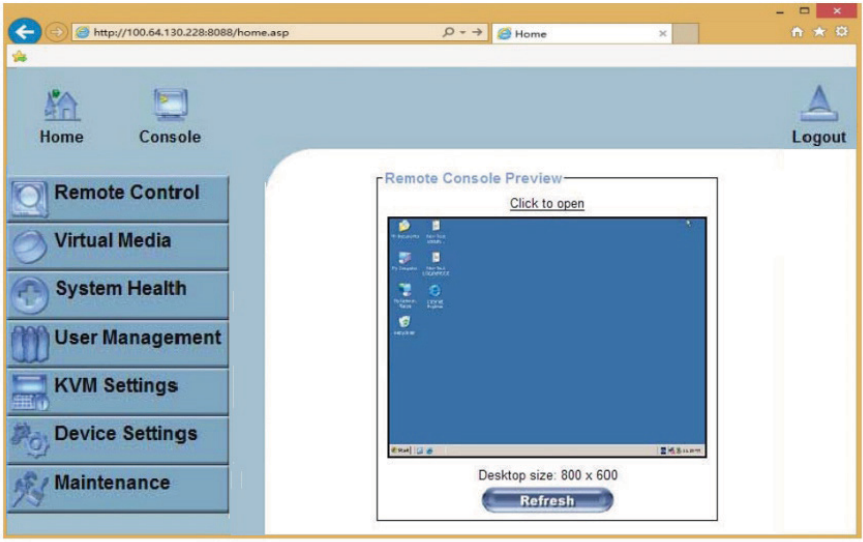
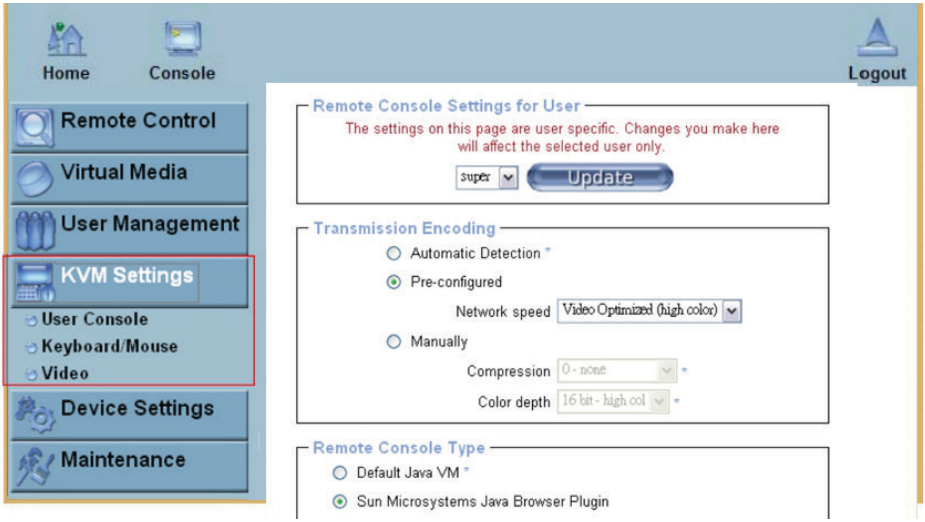


Image settings are set in the transmission code.



Open And Use The Remote Console

1) To open the KVM Console or click on the menu on the left icon console or remote control> KVM console or click the “click to open” on the right of the console diagram.
2) Starting remote console will open an additional window. It shows the screen content of your host system. The Remote Console will behave exactly as if you were doing it in locally host computer screen.
3) The Remote console upper window contains a control bar.
4) To open the options menu, click the button "options”

Image settings, set in the transmission editor