Manuals+ — User Manuals Simplified.

J-TECH DIGITAL JTECH-NS24 24-Port Switch Matrix User Manual

Contents

J-TECH DIGITAL JTECH-NS24 24-Port Switch Matrix

Dear Customer

Thank you for purchasing this product. For optimum performance and safety concerns, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Features

- 10Mbps/100Mbps/1000Mbps Network Switch Specially Optimized for J-Tech Digital's HDMI extender matrix.
- Port 1 to port 23 can be reconfigured as input or output &User-friendly Web GUI for Port-to-Port routing.
- Port 24 is exclusively for management. Supports user management.
- Firmware upgrades and free technical support from J-Tech Digital. Android control app is available on Google Play: search "J-Tech Digital Matrix" to find more details.

Notice

J-Tech Digital, Inc reserves the right to make changes in the hardware, packaging, and any accompanying documentation without prior written notice.

Package Contents

- User manual x 1
- Warranty Card x 1
- JTECH-NS24 x 1
- Rackmount Ears x 2
- Power Cable x 1

Front Side and Back side

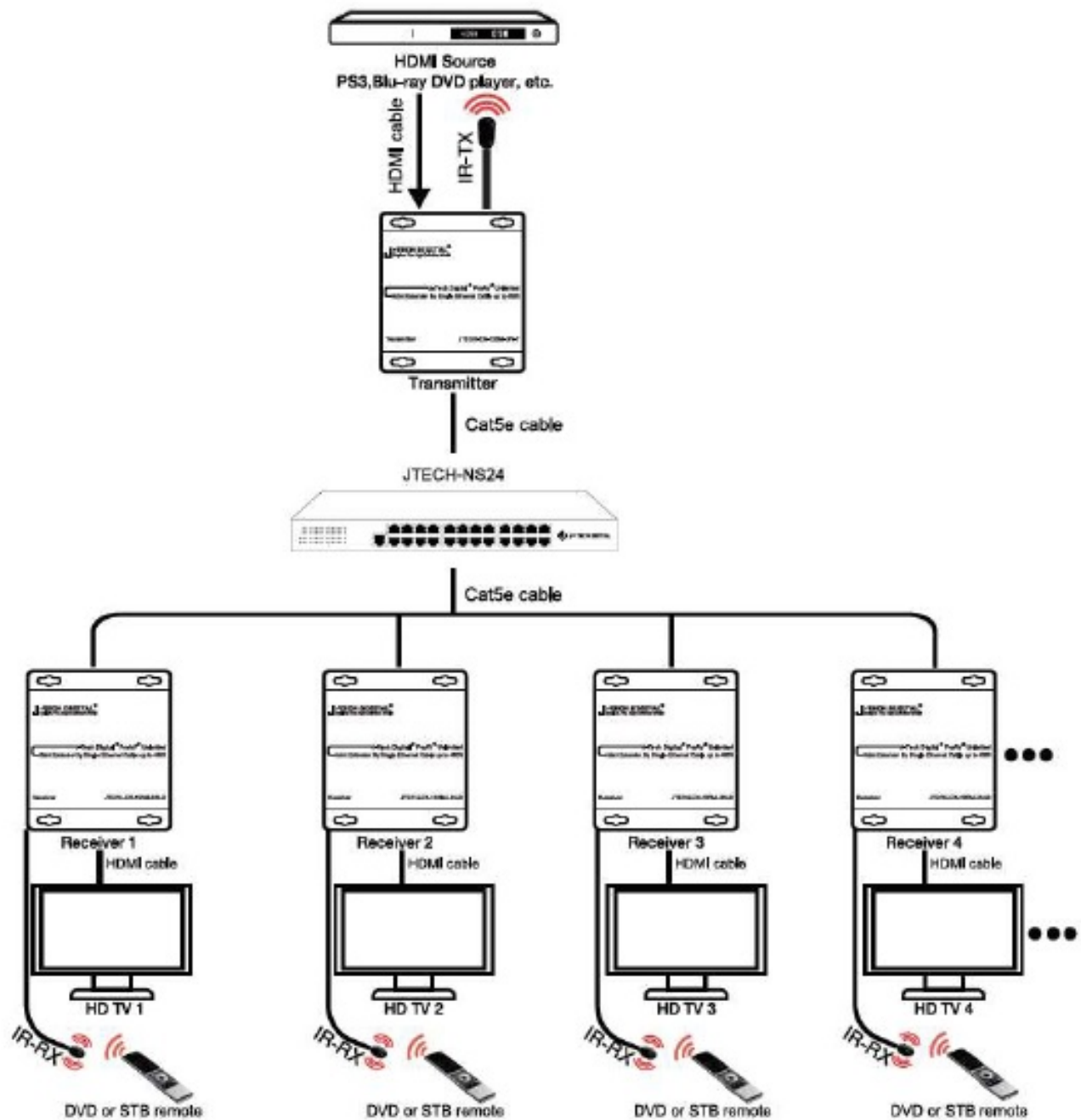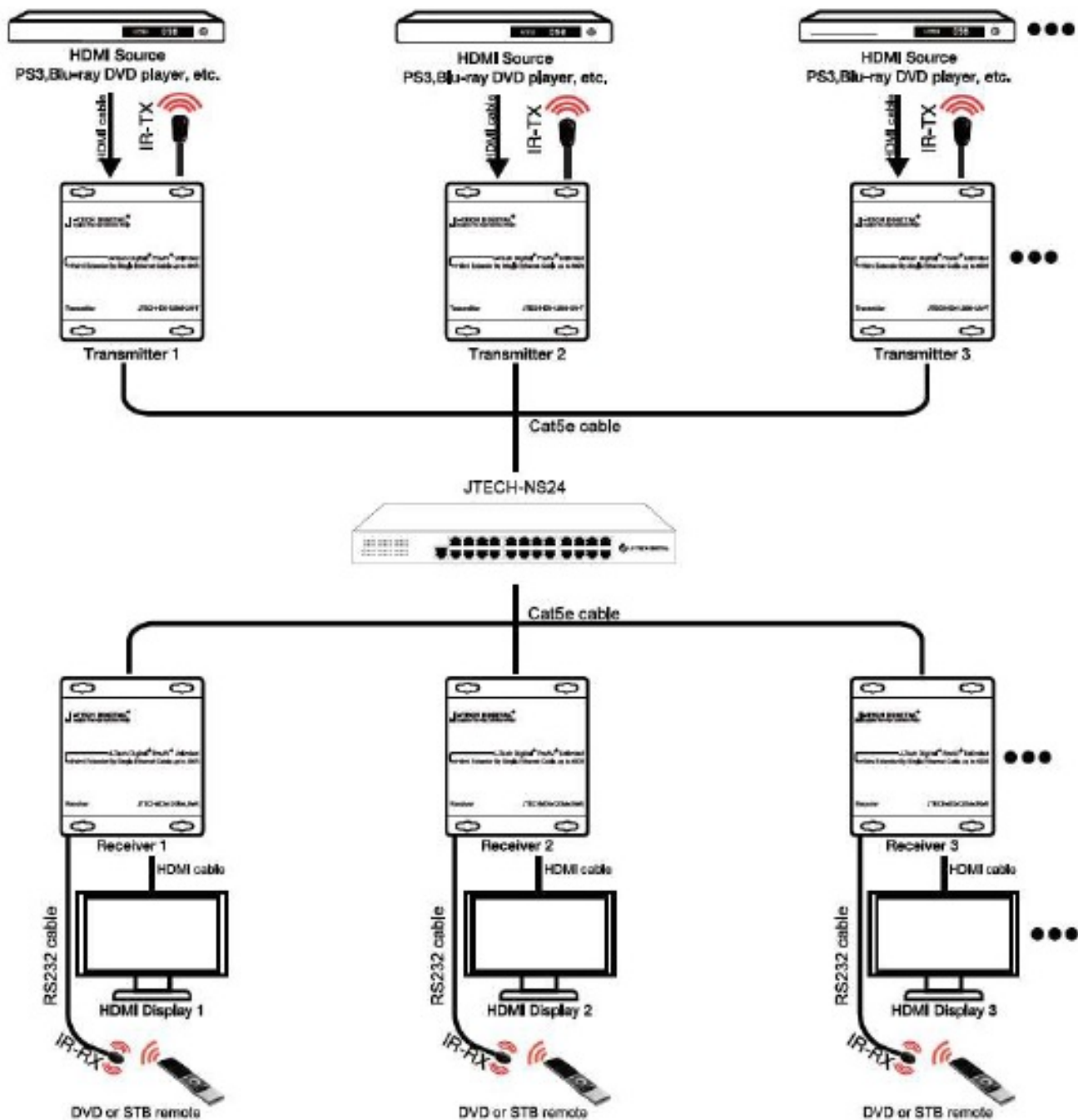## Typical Applications

One to many configurations

HDMI Source
PS3,Blu-ray DVD player, etc.

HDMI cable
IR-TX

Transmitter

Cat5e cable

JTECH-NS24

Cat5e cable

Receiver 1
HDMI cable
HD TV 1
IR-RX
DVD or STB remote

Receiver 2
HDMI cable
HD TV 2
IR-RX
DVD or STB remote

Receiver 3
HDMI cable
HD TV 3
IR-RX
DVD or STB remote

Receiver 4
HDMI cable
HD TV 4
IR-RX
DVD or STB remote

Many to many configuration

Login to the switch

Step 1: Connect your PC (or laptop) to this switch on port 24(default management port), revise your PC's IP address; PC's IP: 192.168.168.11(0-255), PC's IP address must be different than Switch's IP address (192.168.168.254 default IP).
Step 2: Open a web browser and type in this address 'Http://192.168.168.254' (192.168.168.254 is the default IP address), input Username: admin, Password: admin

After clicking the Login button, the current port routing will be shown as below:

Current Mode:Mode1

Output Input	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22
1 P1	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2 P2	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐
3 P3	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐
4 P4	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐
5 P5	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
6 P6	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐
7 P7	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐
8 P8	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐
9 P9	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐
10 P10	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐
11 P11	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑

[Mode1] [Mode2] [Mode3] [Mode4]

[Save and Apply]

PORT TOOLS

Port Setting
Referencing your needed Transmitter (TX) and Receiver (RX) connections, designate your available ports as an Input port or Output port.
Here is an example to show how to change port 12 and port 13 from output to input.
Following the step1-3 as the below:

After clicking the 'Edit' button, you will see the input/output setting and be able to add a description for the port.

Click Apply, and port12 and port13 will change from output to input.

Port Routing

In PORT TOOLS, you can set each "Output" port to display any "Input" port's content.

For example, if you want the output P14 and P15 to display the same Input source (port 1), you can set it as below:

PORT TOOLS
  Port Setting
  Port Routing 1
SYSTEM
PORT CABLE TEST

Current Mode:Mode1

Output Input	P14	P15	P16	P17	P18	P19	P20	P21	P22
1 P1	☑	☑ 2	☐	☐	☐	☐	☐	☐	☐
2 P2	☐	☐	☐	☐	☐	☐	☐	☐	☐
3 P3	☐	☐	☐	☐	☐	☐	☐	☐	☐
4 P4	☐	☐	☐	☐	☐	☐	☐	☐	☐
5 P5	☐	☐	☑	☐	☐	☐	☐	☐	☐
6 P6	☐	☐	☐	☑	☐	☐	☐	☐	☐
7 P7	☐	☐	☐	☐	☑	☐	☐	☐	☐
8 P8	☐	☐	☐	☐	☐	☑	☐	☐	☐
9 P9	☐	☐	☐	☐	☐	☐	☑	☐	☐
10 P10	☐	☐	☐	☐	☐	☐	☐	☑	☐
11 P11	☐	☐	☐	☐	☐	☐	☐	☐	☑
12 P12	☐	☐	☐	☐	☐	☐	☐	☐	☐
13 P13	☐	☐	☐	☐	☐	☐	☐	☐	☐

Mode1 Mode2 Mode3 Mode4

Save and Apply 3

After these steps, the matrix will send P1 source to output ports P14 and P15.
You can use mode 1-4 to save and recall customized port routing configurations. Here is an example setting port routing data for mode2.

Output Input	P14	P15	P16	P17	P18	P19	P20	P21	P22
1 P1	☐	☐	☐	☑	☐	☐	☐	☐	☐
2 P2	☐	☐	☐	☐	☐	☐	☐	☐	☐
3 P3	☐	☐	☐	☐	☐	☐ 2	☐	☐	☐
4 P4	☐	☐	☐	☐	☑	☐	☐	☐	☐
5 P5	☐	☐	☐	☐	☐	☐	☐	☐	☐
6 P6	☐	☐	☐	☐	☐	☐	☐	☐	☐
7 P7	☐	☐	☐	☐	☐	☐	☐	☐	☐
8 P8	☐	☐	☐	☐	☐	☐	☐	☐	☐
9 P9	☐	☐	☐	☐	☐	☐	☐	☐	☐
10 P10	☐	☐	☐	☐	☐	☐	☐	☐	☐
11 P11	☐	☐	☐	☐	☐	☐	☐	☐	☐
12 P12	☐	☐	☐	☐	☐	☐	☐	☐	☐
13 P13	☐	☐	☐	☐	☐	☐	☐	☐	☐

Mode1 Mode2 1 Mode3 Mode4

Save and Apply 3

After you click 'Save and Apply', Mode2 routing configuration will be saved, and the routing data will be applied to the switch.

PORT TOOLS >> Port Routing

PORT TOOLS
Port Setting
Port Routing
SYSTEM
PORT CABLE TEST

Current Mode:Mode2

	Output / Input	P14	P15	P16	P17	P18	P19	P20	P21	P22
1	P1	☐	☐	☐	☑	☐	☐	☐	☐	☐
2	P2	☐	☐	☐	☐	☐	☐	☐	☐	☐
3	P3	☐	☐	☐	☐	☐	☐	☐	☐	☐
4	P4	☐	☐	☐	☐	☑	☐	☐	☐	☐
5	P5	☐	☐	☐	☐	☐	☐	☐	☐	☐
6	P6	☐	☐	☐	☐	☐	☐	☐	☐	☐
7	P7	☐	☐	☐	☐	☐	☐	☐	☐	☐

System

User management

Add a user account via steps 1-7 and edit a user account following step 8-12 shown below:

Also, you can delete a user account as below:
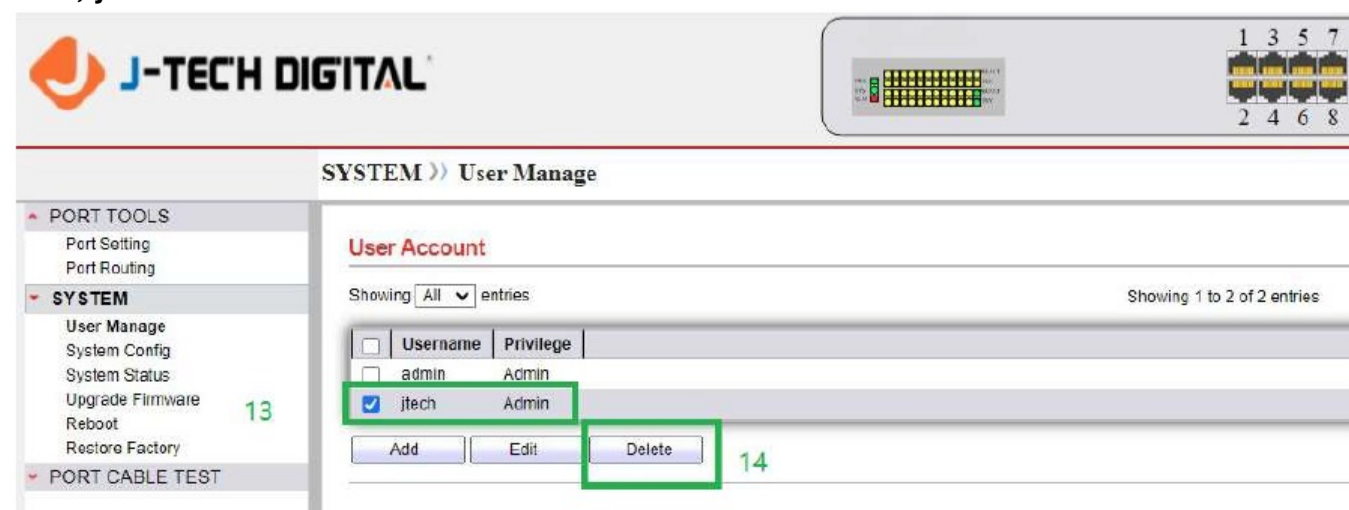
System Config

Setting IP address, subnet mask, gateway for matrix.

SYSTEM 》 **System Config**

After clicking "Apply" the device will apply the new IP information. You will need to use these new settings to login to the web GUI.

System Status

SYSTEM 》 **System Status**
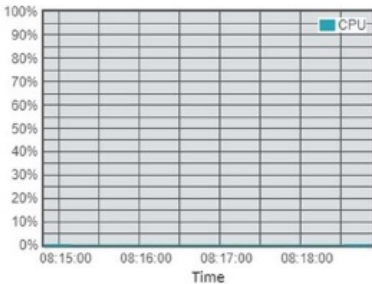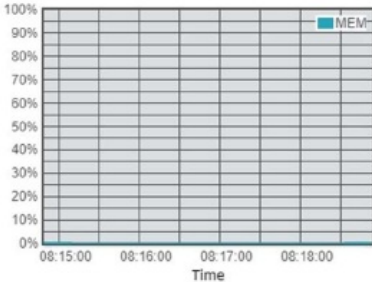
Upgrade Firmware Follow steps 1-4 to upgrade the firmware. It will take up to 10 minutes. Don't power off during the upgrade process. After you finish the upgrade, you can reboot the unit.

Reboot
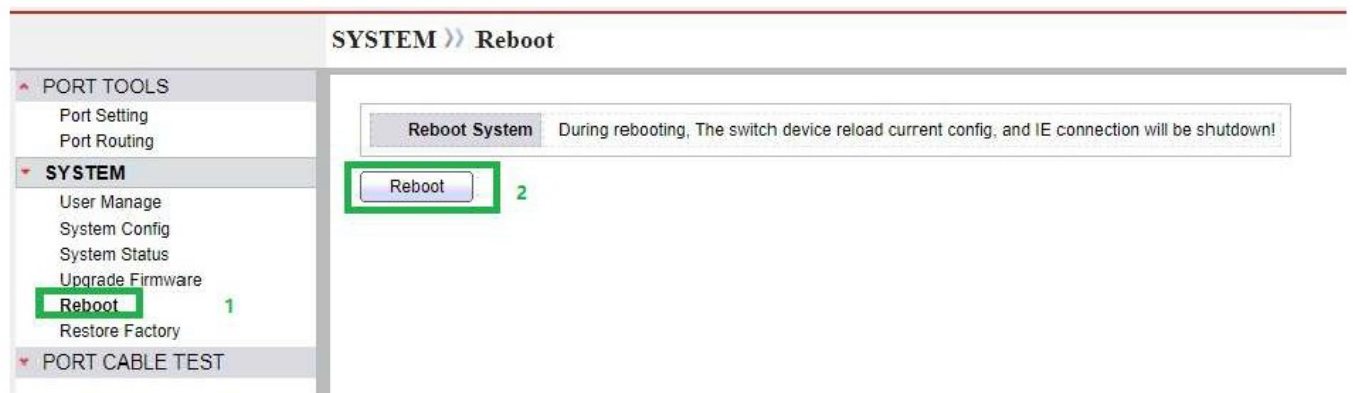
After steps 1 & 2, a dialogue box will display "Reboot the system, Do you want to continue?", click ok. Please note that if 'ok" is not selected promptly, you may be asked to login to the web gui again.

Restore Factory Default Settings
'Restore Factory Default' will set the switch to the default settings.
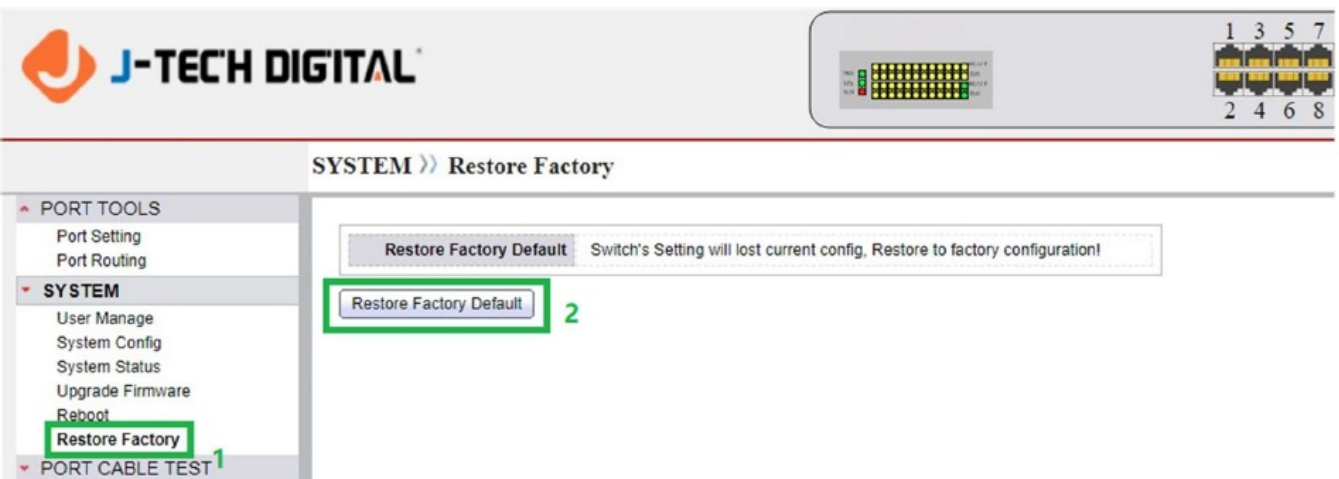
After step 2, a dialogue box will display" Restore to factory defaults, You need to reboot the device to take effect. Do you want to continue?" Click ok to continue. The dialogue box will display "Reboot the device to take effect now, Do you want to continue?" Click ok to reboot the system.
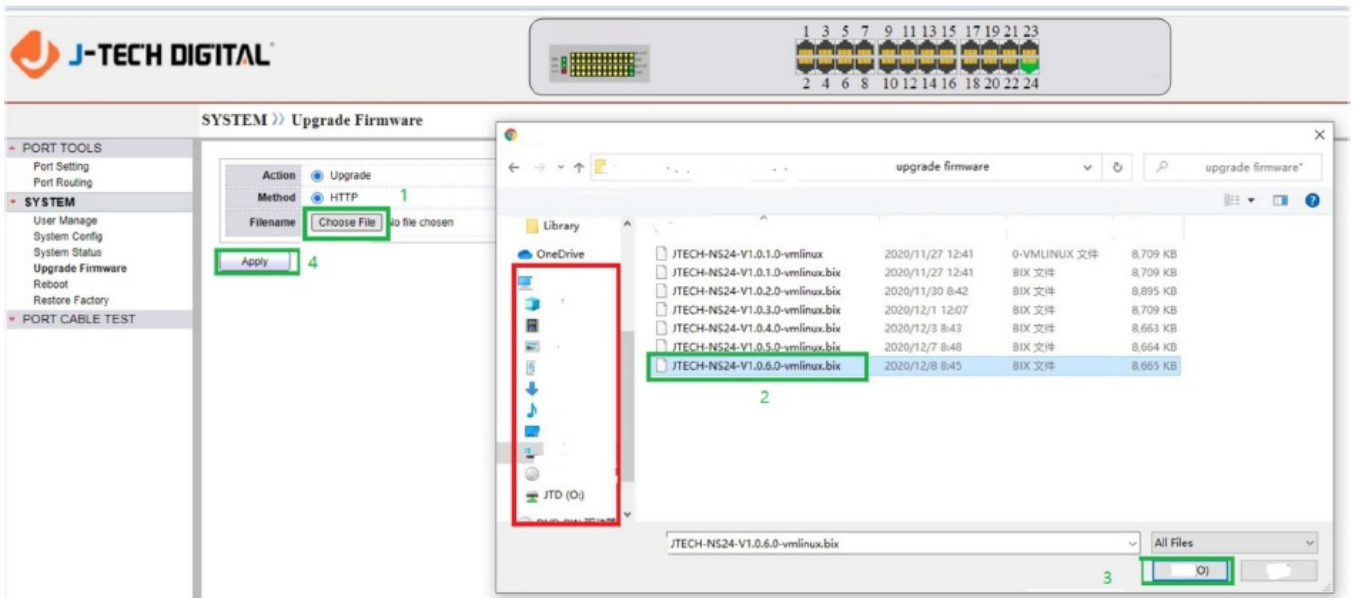
Factory Default settings

- **IP address 192.168.168.254**
- **Subnet mask 255.255.255.0**

- **Gateway 192.168.1.1**
- **Account admin**
- **Password admin**
- **Management port port 23 port24**
- **Input port: port1-11**
- **Output port:port12-24**
- **Current Mode: Mode 1**
- **Port routing: P1-P12,P2-P13,P3-P14,P4-P15,P5-P16,P6-P17,P7-P18,P8-P19,P9-P20,P10-P21,P11-P22.**

Port Cable Test

After steps 1-4, you will receive the cable test results. A status example is shown below:

WARRANTY

With the registration of supported J-Tech Digital products, you extend the current warranty by 6 months. This extension is added to the warranty that starts at the purchase date of the device supported. Total product warranty with the extended period will equate to a total of 18 months of warranty from the date of purchase.
For extended warranties to be accepted, all warranty extensions must be claimed within 30 days of purchasing the eligible J-Tech Digital product. Extensions attempted to be claimed outside of the 30-day window will not be accepted.

Documents / Resources

J-TECH DIGITAL JTECH-NS24 24-Port Switch Matrix [pdf] User Manual
JTD-793v2, JTECH-NS24, JTECH-NS24 24-Port Switch Matrix, 24-Port Switch Matrix

References

- **B** **J-Tech Digital ® Official Site | Professional AV Solution Provider**