

## D. Configuration of Ethernet Interface Module

Using BYNetWinConfig.exe tool to search out the printer of JK-E02 Ethernet interface module which in the network. Configure it as shown in Figure 3:

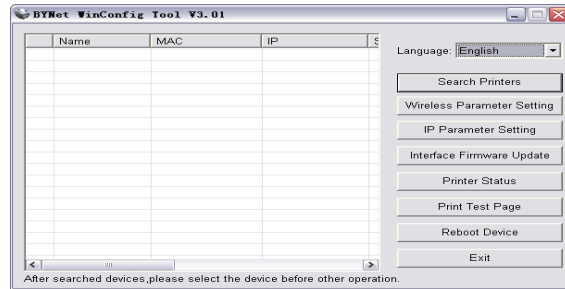


Figure 3

### ■ 1. Function of searching network device

Click the “Search Printers” button in the main window; it will pop up “Searching Protocol” selection window. Select the IPX/SPX protocol mode, it will search out all of the printers which connect to the network through JK-E02 interface module; select the UDP protocol mode, it will search out all of the printers with JK-E02 interface module in the same network, and show the information on the list in order to make users to configure. Information including: name of the printer, MAC address, IP address, Gateway address, subnet mask, DHCP enable, version of the interface firmware, name of the interface.



#### Note:

1. When searching the printer in the network through different searching protocol, communication will be error for IP address confliction. Therefore, when using the UDP protocol to configure the JK-E02 interface mode, you are only allowed to connect and configure one device at a time; when using the IPX/SPX protocol to configure the JK-E02 interface mode, you are allowed to connect and configure multi-device to it at a time.

2. If search network device through IPX/SPX protocol, the user's host should install this protocol, and configure corresponding parameter, install steps as bellow (take windows XP operation system for example): Click “Network Neighbor”, and select “Current Connection”, click right button “Feature” → “Install” → “Protocol” → “Add” → select “NWLink IPX/SPX/NetBIOS Compatible Transport Protocol”, and click “Ok” to finish the install process. Then select IPX/SPX protocol

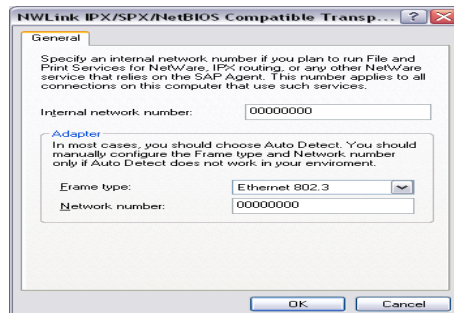


Figure 4

and click “Feature” button, enter into the “IPX/SPX Feature” window in which the user can configure the frame type as “Ethernet 802.3”, configure the network number as “00000000”, as shown in Figure 4:

### ■ 2. Function of validate Configure password

Choose one device in the main window list, click “IP Parameter Setting” button, and then enter into the “Password Validate” dialogue box in which you can enter the configure password ( the default password is empty, then click “OK” directly to validate the password).

### ■ 3. Configure IP address and other parameters

If the configure password validated successfully , the user will enter into the “Network parameter setting” configuration window in

which you can change the IP address and other parameters of the printer, as shown in Figure 5:

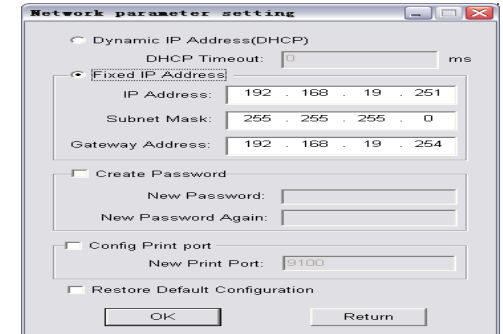


Figure 5

There are two methods to change the configuration:

- 1) Choose “Dynamic IP Address(DHCP);”  
make it auto-get the IP address and other parameters.
- 2) Set IP Address and the other parameters by hand, the user also can change the configuration password, print port, default setting restore function, then click “OK” button to exit the configuration port, and click “Reboot Device” button to reset the printer.

The default configuration as follows:

IP address:	192.168.1.251
Subnet mask:	255.255.255.0
Gateway IP:	192.168.1.1
DHCP function:	Disabled

### ■ 4. Firmware Update Function of the Interface module

Chose the device object from the main window then click “Interface firmware Update” button you can enter into the firmware update window. Check whether the IP address of the device is the same with the selected device. If they are the same, Click “Select File” button, enter “Open” window (as showed in figure 6), open update program file:

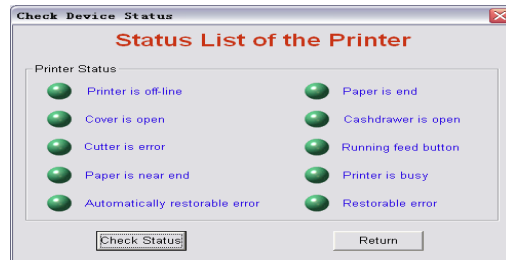


Figure 6

Select update program file, double click or click “Open” button to open the file and obtain the file name. Return update window and click “Update” button to realize transmission dates update function.

#### ■ 5. Check Status of the Selected Printer

Chose the device object from the main window then click “Printer Status” button you can enter into “Check Device Status” windows. Click “Check Status” button to check the status of the printer and display on the dialog.



### E. Configuration of the Driver

When configure the driver, take BTP-2002CP for example, first install the printer parallel driver following the instruction.

Click “start” → “setup” → “printer”; click the right key of your mouse to chose “Feature”. Then select “port” tag in the popup window and select “add port”, “Standard TCP/IP Port”, then click “New port” button as shown in Figure 7:

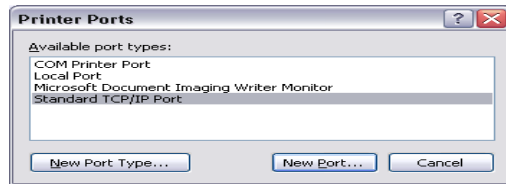


Figure 7

Click “Next”, enter the IP address of the interface module In the “Printer name” or “IP address” column, Click “Next”, “Next”, “Complete” button. In the column of the port tag, select the new added port, click “apply”, then you can complete the setup of the driver.

### F. LED Instruction

The socket of 10 /100MBASE-T interfaces has two LED:

When connecting Ethernet, the green LED light; when receiving, sending a data package or testing a conflict, the yellow LED light.

### G. HTTP Function

Use HTTP mode to manage interface module: first run browser program at the host, then input IP address of the interface module in browser address column.

# Operation Guide

## JK-E02 ethernet interface module

### A .Structure of the Interface Module

As shown in Figure 1 the main parts of interface module are:

- 1-control board
- 2-40P DIP
- 3- interface baffle
- 4-communication interface
- 5- default setting restore button

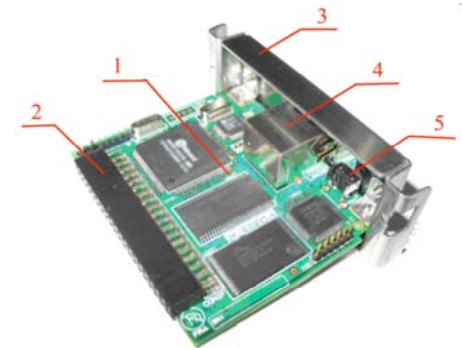


Figure 1

### B. Install the Interface Module

Take BTP-2002CP as example. Make sure the power is off and connect the interface board as showed in Figure 2. Plug the interface module into the printer according to Figure 2 and fix them with screws. Plug net line into the 10/100M BASE-T interface socket.

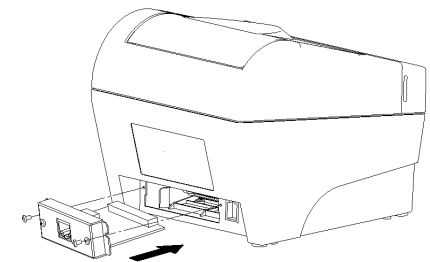


Figure 2

### C. Connect Cable

Turn off power; plug 10 BASE-T or 100 BASE-TX net lines into the 10 /100MBASE-T interface socket of JK-E02 Ethernet interface module. Then turn on power.

 **Notice:**

**Don't plug telephone cable or cash cable into the 10 /100MBASE-T interface socket.**