



TB200/400 Installation Guide

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0. Introduction

Yeastar TB200/400 is a compact and reliable standalone VoIP BRI gateway (BRI-VoIP/VoIP-BRI) offering 2 or 4 BRI ports for companies using ISDN BRI lines an easy, cost-effective and flexible integration into any VoIP system or enabling any IP PBX to be connected to the public ISDN network.

This Guide explains how to install TB200/400 BRI VoIP Gateway, how to log in web interface, etc.

1. Preparation before Installation

Contents of the Box

Upon receiving TB200/400 gift box, please open the package and check if all the items are supplied as TB200/400 Packing List (See Sheet 1). If there is any problem, please contact your provider.

Note: please make sure the following devices are available before installation:

Sheet 1 TB200/400 Packing List

Item	Unit	QTY	Description
TB200/400	PC	1	Device unit
Power cord	PC	1	For the input of 220V AC power
Network cable	PC	1	
Mounting ears	PC	3	Long mounting ear: 1 PC; short mounting ear: 2 PCS
M3 Screw	PC	9	
Warranty card	PC	1	With Serial Number printed for Repair & Return

2. Hardware Specifications

2.1 LED Indicators and Ports

Front Panels



Figure 2-1 TB200/400 Front Panels

Table 2-1 Description of Front Panels

No.	Indication	Status	Description
①	Reset button	/	Press the RESET button to restore the factory defaults.
②	Power status	On	The power is switched on.
		Off	The power is switched off.
③	System status	Blinking	The system is running properly.
		Not Blinking/Off	The system goes wrong.
④	LAN port	/	LAN port is for the connection to Local Area Network (LAN).
⑤	Console port	/	For Debugging.
⑥	BRI port status	Blinking	The BRI line is disconnected.
		On	The BRI line is connected or in use.
		Off	There is no BRI module inserted.
⑦	BRI port	/	For the connection of ISDN BRI lines

Rear Panel



Figure 2-2 TB200/400 Rear Panel

Table 2-2 Description of Rear Panels


No.	Indication	Description
①	Power Switch	Switch the device on or off.
②	Power Inlet	For connection of power supply.

2.2 Specifications and Operating Environment

Table 2-3 TB200/400 Specifications and Operating Environment

Items	Description
Size (L×W×H)	213 mm × 160 mm × 44 mm
Power Supply	12V 1A
Operating Temperature	0 to 40°C, 32 to 104°F
Storage Temperature	-20 to 65°C, 4 to 149°F
Humidity	10%~90% (Non-condensing)

3. TB200/400 Installation

 To avoid unexpected accident, personal injury or device damage, please read the following instructions before installing the Gateway.

3.1 Placement Instructions

- ◆ Ambient Temperature: to avoid overheating, please do not run TB200/400 in the place where the ambient temperature is above 104°F (40°C).
- ◆ Ventilation: please make sure that the device has good ventilation around.
- ◆ Anti-jamming: there may be some sources of interference that might affect the normal running of the Gateway. It's highly recommended that the device
 - Should be placed away from high-power radio, radar transmitters and high frequency, and high-current devices.
 - Is using independent power junction box and effective anti-grid interference measures have been taken.
- ◆ Mechanical load: Please make sure that the device is placed steadily to avoid any accident that might cause damage. If placed on the desktop, please ensure it is horizontally placed.

3.2 Installation Instructions

Place the Gateway in a suitable place, and then connect the power adapter and all other cables to complete the installation.

Note:


TB400 BRI VoIP gateway is wall-mountable, please mount the device horizontally but not vertically.

3.2.1 Connection of Ethernet Ports

TB200/400 provides one 10/100M adaptive RJ45 Ethernet LAN port.

◆ **LAN Port Connection**

Connect one end of a network cable to the LAN port of the Gateway, and the other end to any port of company's LAN switch/router.

 If the LAN port is connected to PC directly (not via a switch), please use cross-over cable.

3.2.2 Connection of BRI Ports

The BRI port could be connected to the BRI line and the BRI port of a traditional PBX with a BRI RJ45-RJ11 cable.

3.2.3 Power Connection

Connect the power adapter to the Gateway's power port, and then plug the power adapter into an electrical outlet. Press the On switch to power on the Gateway. The gateway will start booting. In the meantime, users would see that the "POWER" and "RUN" indicator lights turn on.

 Please switch off the power before plugging or unplugging the cables.

3.2.4 Connection Diagram

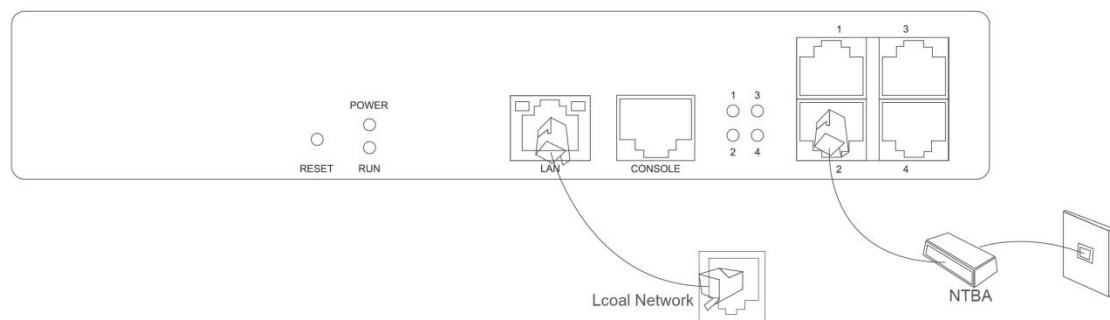


Figure 3-1 TB200/400 Connection Diagram (Front Panel)

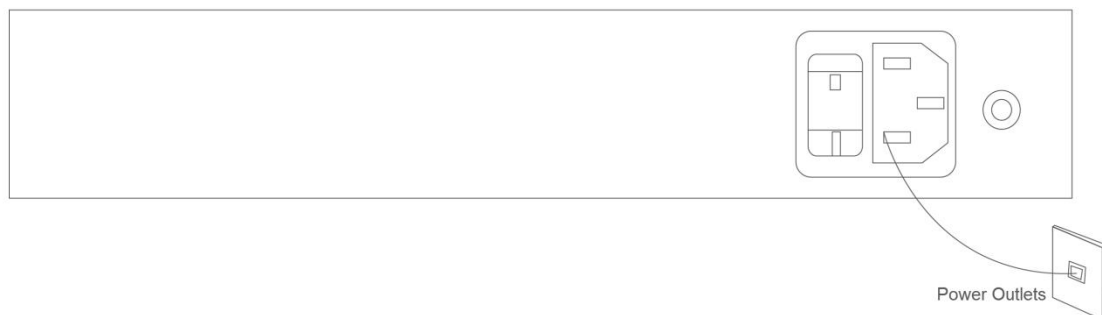


Figure 3-2 TB200/400 Connection Diagram (Rear Panel)

4. TB200/400 Basic Configurations

4.1 Logging in the Web Configuration Panel

TB200/400 provides web-based configuration interface for administrator. The user can manage the device by logging in the web interface. Check the factory defaults below:

IP address: <http://192.168.5.150>

User Name: **admin**

Default Password: **password**

1. Start the browser on PC. In the address bar, enter the IP address, click “Enter” button and then you can see the Web Configuration Panel login page (see Figure 4-1).
2. Enter the Admin User Name and Password to log in.

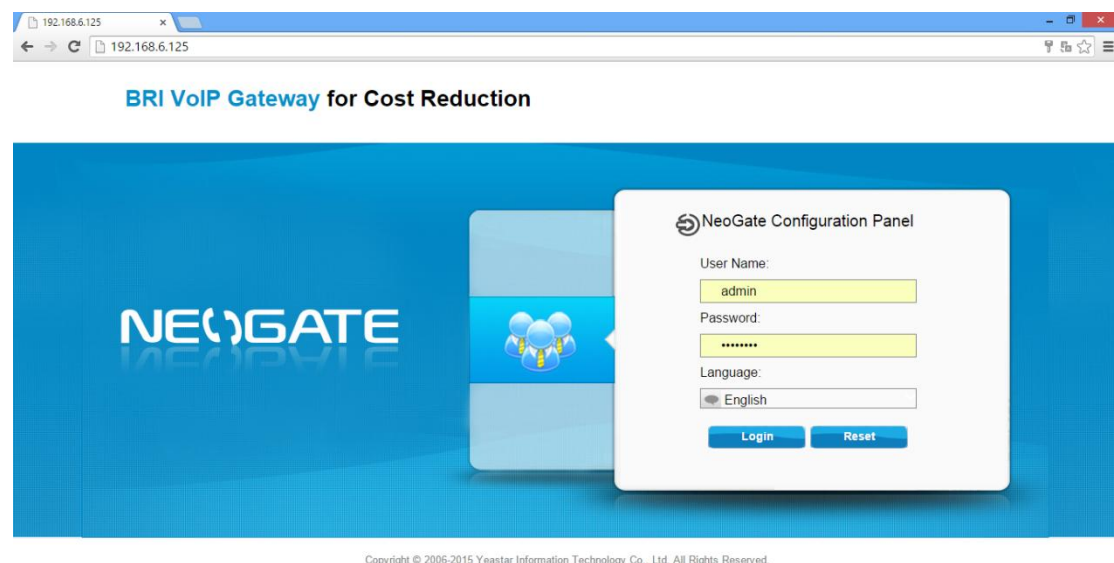



Figure 4-1 TB200/400 Web Configuration Panel Login Page

Via the configuration interface, the admin can make all the system configurations, including network settings (LAN, WAN, Firewall, VPN, DDNS, VLAN, etc.); system parameters configuration (time zone, password, etc.); internal settings (Web access port, etc.); BRI ports list; VoIP Trunks; Trunk Groups; Hotline; call logs (search, download); firmware update and reset, etc.

 After saving the changes, remember to click the “Apply changes” button to make the changes take effect.

4.2 Network Settings

After logging in the admin configuration interface, generally the first step is to configure the IP address. If the LAN ports are connected to the network, their IP addresses need to be configured. If not, just configuring the IP address of the LAN port which is connected to the local area network of the company is OK.

◆ LAN Settings

Click “Network Preferences”-> “LAN Settings” on the left menu bar of the web configuration interface. LAN port is used for the interoperability of IP terminals and the device. If the LAN port is connected to the company’s LAN, please configure the correct IP address and corresponding subnet mask.

 Please note that after changing the IP address of LAN port, TB200/400 should be rebooted to make the new changes to take effect.

4.3 Make and Receive Calls

1. Calls from BRI to SIP

Users should be able to receive BRI-to-SIP call after configuring a route on TB200/400 and an inbound route on SIP server if needed. Please refer to *Yeastar TB BRI VoIP Gateways User Manual* for details.

2. Calls from SIP to BRI

Users should be able to make SIP-to-BRI call after configuring a route on TB200/400 and an outbound route on SIP Server. Please refer to *Yeastar TB BRI VoIP Gateways User Manual* for details.

4.4 Reset to Factory Defaults

To reset to factory defaults, you could follow the below instruction:

Press the “RESET” button located in the back panel with a paper clip or a pencil tip. You can see the RUN indicator stops flicker and turns solid. When the RUN indicator turns off, the button could be released and system begins to reset. During the process, please do not power off until the RUN indicator become normal which means the reset process is completed.

 Note: after resetting, all the configurations made by the admin would be erased.

5. Conclusion

This Installation Guide only explains the installation and basic settings of TB200/400 BRI VoIP Gateways. For more functionality and advanced settings, please refer to the relative documents as below:

“Yeastar TB BRI VoIP Gateways Datasheet”

“Yeastar TB BRI VoIP Gateways User Manual”

[The End]