

Huawei B970b Wireless Gateway

Quick Setup Guide



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Components

Power supply



Ethernet Cable



Antenna



Connection and Setup of Components

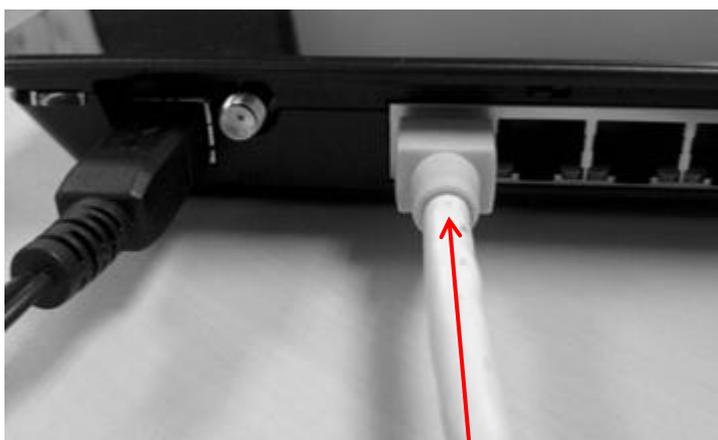
- Inserting the SIM



- Connecting the power



- Ethernet Cable (connection on router)



- Ethernet Cable (connection on router)

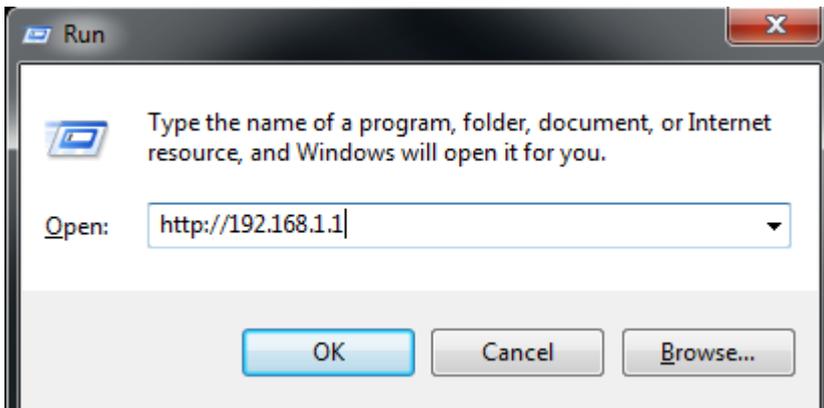


Gateway GUI

- Accessing the default gateway

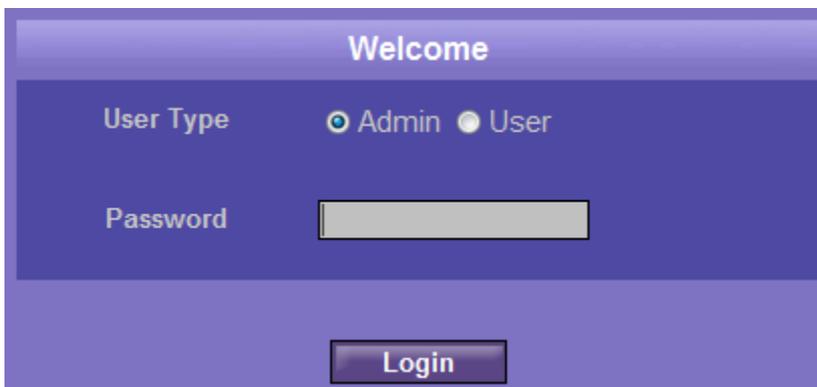
Insert an Ethernet cable in the first port on the router and insert the other end into the Ethernet port on the computer.

ON the keyboard, hold down the Windows key and “R” simultaneously. The Run.exe window should then display;



Type in <http://198.168.1.1>

The default browser will be launch and a screen with the Gateway GUI will appear, as seen below. This will prompt for a password, insert admin and click on Login.



Configurations

- Configuration Wizard

Once logged-in, the Quick setup wizard will be displayed (see image below), Select Next.

The screenshot shows the '3G Wireless Gateway' web interface. At the top left is the 'netman' logo. The page title is '3G Wireless Gateway'. In the top right corner, there are status indicators for 'SIM', 'WAN', 'NONE', and 'SIG' with corresponding signal strength icons. A left-hand navigation menu contains the following items: 'Basic Status', 'Quick Setup' (highlighted), 'Connection', 'Advanced Settings', 'Security', 'SMS', and 'Logout'. The main content area is titled 'Welcome to the Quick Setup Wizard' and contains a bullet point: 'The wizard will show you how to set up your gateway in the safe way: Click "Next" to continue, click "Back" and "Next" to navigate, click "Cancel" to exit the wizard, and click "Finish" to save the settings.' Below this is a 'Notes' section stating: 'Basic parameters can be set in the wizard. For advanced parameters, you need to set them in "Advanced Settings".' A 'Next>' button is centered below the text. At the bottom of the page, there is a copyright notice: 'COPYRIGHT (C) 2006-2010 HUAWEI TECHNOLOGIES CO.,LTD. ALL RIGHTS RESERVED.' The bottom status bar shows 'Done' on the left, 'Internet | Protected Mode: On' in the center, and a battery icon with '100%' on the right.

You will now be prompted to enter in the ISP connection profile;

Here are the required settings that will be needed for MTC Connect (Contract) and MTC Tango (Pre-Paid);

Profile Name	Netman Connect	Netman Prepaid
Dial-up Number	*99#	*99#
PPP User Name		ppsuser
PPP Password		ppsuser
Static APN	internet	ppsinternet

Ensure that the APN is on Static and that the IP Address is on Dynamic then select Next.

The screenshot shows the 'Configure PPP Profile Settings' page. The left sidebar contains navigation options: Basic Status, Quick Setup, Connection, Advanced Settings, Security, SMS, and Logout. The main content area includes a list of instructions and a form with the following fields:

- Profile Name: Netman Prepaid
- Dial-up Number: *99#
- PPP User Name: ppsuser
- PPP Password: [masked]
- APN: ppsinternet
- APN | IP Address: Dynamic Static
- IP Address: Dynamic Static

Buttons at the bottom: <Back, Next>, Cancel.

Select On Demand for the PPP Connection and CHAP+PAP for the PPP Authentication and select Next.

The screenshot shows the 'Configure PPP Dial-up Settings' page. The left sidebar is the same as the previous page. The main content area includes a list of instructions and a form with the following fields:

- PPP Connection: On Demand
- PPP Authentication: CHAP+PAP

Buttons at the bottom: <Back, Next>, Cancel.

You may now rename the SSID (the name displayed when the WiFi is broadcasted) and select whether to have it visible by broadcast or not.

In the example below the SSID is named "gateway" and will be broadcasted.

Click on Next.

The screenshot shows the 'Configure WLAN Settings' page. On the left is a navigation menu with 'Quick Setup' selected. The main content area has the title 'Configure WLAN Settings' and a list of instructions: 'Name SSID(Service Set Identifier): Enter a character string up to 32 characters as the name for your wireless local area network(WLAN).', 'SSID Broadcast: Enabled. The gateway broadcasts the SSID and other devices can detect and connect to it. Disabled: The gateway disables broadcasting and hides the name of your network.' Below this, there are two input fields: 'Name (SSID):' with the value 'gateway' and 'SSID Broadcast:' with a dropdown menu set to 'Enabled'. At the bottom are three buttons: '<Back', 'Next>', and 'Cancel'.

Now select the WLAN Security you may want to use and select Next.

The screenshot shows the 'Configure WLAN Security' page. The left navigation menu has 'Security' selected. The main content area has the title 'Configure WLAN Security' and a list of instructions: 'Add encryption to your wireless network to prevent unauthorised traffic monitoring and access. No Encryption: Your wireless network is open to everyone without authentication and encryption, and this option is not recommended. Wireless Equivalent Privacy(WEP): It is a 64-bit or 128-bit encryption method with user configurable fixed keys. Wi-Fi Protected Access(WPA): It is a 256-bit encryption method with keys changing automatically. WPA2: It is the securer version of WPA with implementation of the 802.11i standard. WPA Encryption Algorithm: TKIP, AES, TKIP+AES. WPA Pre-Shared Key: Enter the Pre-Shared key as a plain text(ASCII) pass-phrase of at least 8 characters. Network Key Rotation Interval: Specify the key update interval in seconds. Enter 0 to disable the update function. Network Key: Enter 5 ASCII characters or 10 hexadecimal digits for a 64-bit key, enter 13 ASCII characters or 26 hexadecimal digits for a 128-bit key.' Below this, there is an 'Encryption Mode:' dropdown menu set to 'NO ENCRYPTION'. At the bottom are three buttons: '<Back', 'Next>', and 'Cancel'.

The screenshot shows the 'Configure WLAN Security' page with security options selected. The left navigation menu has 'Security' selected. The main content area has the title 'Configure WLAN Security' and the same list of instructions as the previous screenshot. Below the instructions, there are four input fields: 'Encryption Mode:' with a dropdown menu set to 'WPA-PSK|WPA2-PSK', 'WPA Encryption:' with a dropdown menu set to 'TKIP+AES', 'WPA Pre-Shared Key:' with a text input field containing seven dots, and 'Network Key Rotation Interval:' with a text input field containing '0'. At the bottom are three buttons: '<Back', 'Next>', and 'Cancel'.

A summary of the setup and configuration will now be displayed;

The screenshot shows the '3G Wireless Gateway' configuration summary page. The left sidebar contains navigation options: Basic Status, Quick Setup, Connection, Advanced Settings, Security, SMS, and Logout. The main content area is titled 'Configuration as Follows' and lists the following settings:

Profile Name:	Netman Prepaid
Dial-up Number:	*99#
PPP User Name:	ppsuser
APN:	ppsinternet
IP Address:	Dynamic IP
PPP Connection:	On Demand
PPP Authentication:	CHAP+PAP
Name (SSID):	gateway
SSID Broadcast:	Enabled
Encryption Mode:	WPA-PSK WPA2-PSK

At the bottom of the configuration summary, there are three buttons: '<Back', 'Finish', and 'Cancel'.

If you are in agreement with the summary, select Finish.

The changes will be applied once you select Continue.

The screenshot shows the 'Apply' confirmation screen. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Apply' and contains the following text:

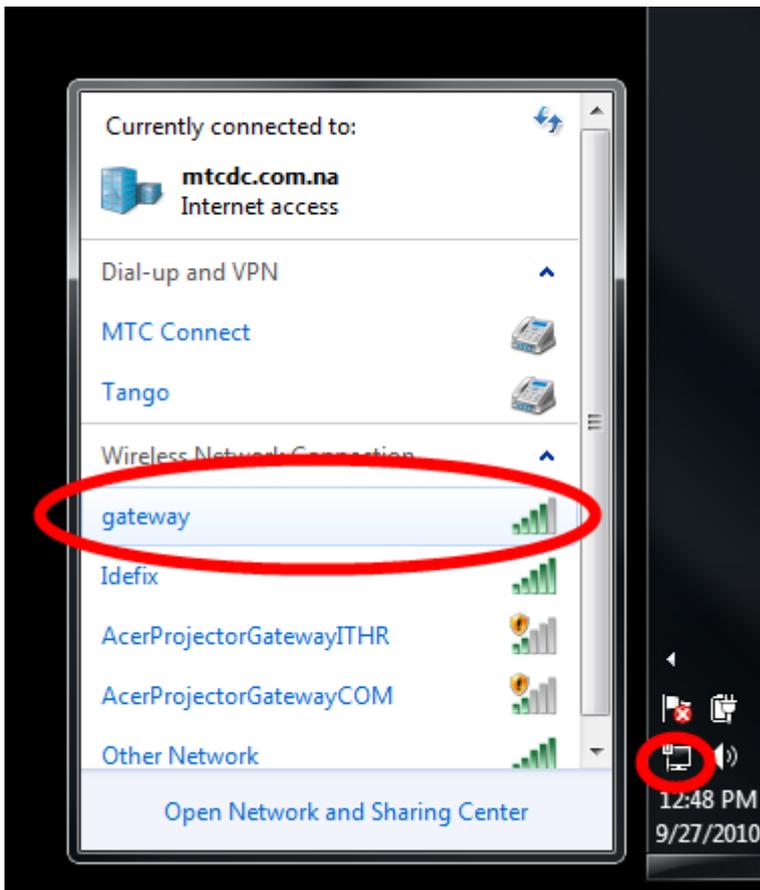
This page prompts you the errors in the process of modifying the settings of the gateway.

Verifying parameters...Done
Submitting parameters...Done

Wait for three seconds, and then click **Continue**, or you can refresh this page.

At the bottom right of the main content area, there is a 'Continue' button.

Test out the connection;



Start by clicking on the wireless icon positioned on the taskbar. From the list of wireless connections, select gateway as indicated in the diagram. You will be prompted for the password you have setup in the configuration. Key in the password and select connect.