

Router Configuration

This brief guide describes how to make various changes to the configuration of your Huawei HG8247T (ONT) router using the web interface.

ACCESSING THE SETUP PANEL

Access the web administration interface of the computer by entering the following IP address in your browser: <http://192.168.100.1/> username and password: User: root Password: Admin



SERVICE OF TECHNICAL CONSULTATIONS

If in doubt about the configuration of your terminal, you can contact our Technical Department through:

Telephone 966192000 (without cost from cableworld fiber fixed network)
Email info@cableworld.es

CHANGE PARAMETERS FROM THE WI-FI NETWORK

* ENABLE / DISABLE WI-FI - Pressing the WLAN button 10 sec., The WLAN light - Via the web interface WLAN, Enable WLAN

* CHANGE THE NAME OF THE WI-FI NETWORK (SSID) - Using the WLAN web interface, SSID Name

The screenshot displays the Huawei HG8247H web interface for WLAN configuration. The top navigation bar includes 'Status', 'WAN', 'LAN', 'IPv6', 'WLAN', 'Security', 'Forward Rules', 'Network Application', and 'System Tools'. The 'WLAN' tab is selected, leading to the 'WLAN Basic Configuration' page. A sidebar on the left contains 'WLAN Basic Configuration', 'WLAN Advanced Configuration', 'Automatic WiFi Shutdown', and 'WiFi Coverage Management'. The main content area features a yellow caution box with the following text: 'On this page, you can set basic WLAN parameters(When the WLAN function is disabled, this page is blank). Caution: 1. Wireless network services may be interrupted temporarily after you modify wireless network parameters. 2. It is recommended that you use the WPA2 or WPA/WPA2 authentication mode for security purposes.' Below this, the 'Enable WLAN' checkbox is checked. A table lists the SSID configuration details for the active network:

SSID Index	SSID Name	SSID Status	Number of Associated Devices	Broadcast SSID	Security Configuration
1	HUAWEI-7BuQ	Enabled	32	Enabled	Configured

The 'SSID Configuration Details' section includes the following fields:

- SSID Name: HUAWEI-7BuQ (1-32 characters)
- Enable SSID:
- Number of Associated Devices: 32 (1-32)
- Broadcast SSID:
- Enable WMM:
- Authentication Mode: WPA/WPA2 PreSharedKey
- Encryption Mode: TKIP&AES
- WPA PreSharedKey: [Redacted] (8-63 ASCII characters or 64 hexadecimal characters)
- WPA Group Key Regeneration Interval: 3600 (800-86400s)
- Enable WPS:
- WPS Mode: PBC
- PBC: [Start WPS]

Buttons for 'Apply' and 'Cancel' are located at the bottom of the configuration section. The footer contains the copyright notice: 'Copyright © Huawei Technologies Co., Ltd. 2009-2014. All rights reserved.'

CONSULT KEY TO ACCESS TO THE WI-FI NETWORK AND / OR TYPE OF SAFETY

- Using the Wlan web interface, check "hide" and the password appears. If we want to modify it we delete and we add new password (8 alphanumeric characters). Aply to apply the changes.

CHANGE CHANNEL

- Through the WLAN web interface "Avance Configuration"

The screenshot shows the Huawei HG8247H web management interface. The top navigation bar includes 'Status', 'WAN', 'LAN', 'IPv6', 'WLAN', 'Security', 'Forward Rules', 'Network Application', and 'System Tools'. The 'WLAN' tab is selected. The left sidebar shows 'WLAN Basic Configuration' and 'WLAN Advanced Configuration' (selected). The main content area is titled 'WLAN > WLAN Advanced Configuration' and contains a caution message: 'On this page, you can set advanced WLAN parameters(When the WLAN function is disabled, this page is blank). Caution: Wireless network services may be interrupted temporarily after you modify wireless network parameters.' Below this is the 'Advanced Configuration' section with the following settings:

Parameter	Value	Range/Default
TX Power:	100%	
Regulatory Domain:	China	
Channel:	Automatic	
Channel Width:	20 MHz	
Mode:	802.11b/g/n	
DTIM Period:	1	(1-255, default: 1)
Beacon Period:	100	(20-1000 ms, default: 100)
RTS Threshold:	2348	(1-2348 bytes, default: 2348)
Fragmentation Threshold:	2348	(256-2348 bytes, default: 2348)

Buttons for 'Apply' and 'Cancel' are located at the bottom of the configuration area. The footer contains the copyright notice: 'Copyright © Huawei Technologies Co., Ltd. 2009-2014. All rights reserved.'

Transmitting Power or Tx Power: 100%

Regulatory Domain: Spain

Channel: Auto or Automatic (Change channel according to a free channel)
(Channels 1 to 11 for older equipment or for more than 1 year Channels 12 and 13 more free but only for new equipment)

Channel Width: Auto 20/40 (Applies bandwidth to distance)

REDIRECTING PORTS (OPENING PORTS)

- Using the web interface (User: root Password: admin)

Forward Rules, Port Mapping Configuration, New, external start port, external end port, internal start port, internal end port, mapping name, ip internal host (of the team you want to open the port)

The screenshot shows the Huawei HG8247H web interface. The top navigation bar includes the Huawei logo, the model number 'HG8247H', and a 'Logout' link. Below the navigation bar, there are tabs for 'Status', 'WAN', 'LAN', 'IPv6', 'WLAN', 'Security', 'Forward Rules', 'Network Application', and 'System Tools'. The 'Forward Rules' tab is selected, and the sub-page is 'Port Mapping Configuration'. The page title is 'Port Mapping Configuration'. A yellow note states: 'On this page, you can configure port mapping parameters to set up virtual servers on the LAN network and allow these servers to be accessed from the Ethernet. Note: The well-known ports for voice services cannot be in the range of the mapping ports.' Below the note is a table with columns: 'Mapping Name', 'WAN Name', 'Internal Host', 'External Host', and 'Enable'. The table is currently empty. Below the table are several configuration fields: 'Type' (radio buttons for 'User-defined' and 'Application'), 'Enable Port Mapping' (checkbox), 'Mapping Name' (text input), 'WAN Name' (dropdown), 'Internal Host' (text input with a 'Select...' dropdown), 'External Source IP Address' (text input), 'Protocol' (dropdown set to 'TCP'), 'Internal port number' (range input), 'External port number' (range input), and 'External source port number' (range input). There are 'Delete', 'Add', 'Apply', and 'Cancel' buttons at the bottom of the configuration area. The footer contains the copyright notice: 'Copyright © Huawei Technologies Co., Ltd. 2009-2014. All rights reserved.'

For Huawei white router, WLAN, network application, enable UPNP

For black Huawei router, forward Rules, DMZ Configuration, open DMZ to the ip of the console configured with private fixed ip between 192.168.100.2 and 192.168.100.256

