

**KingType E27 EoC Modem/Router**  
**Client Network Unit or Terminal**  
**GibFibreSpeed Customer Service Reference Manual**



**Revision History**

Document Revision	Revision Description
GFSCSM-ES27-RevA	First Edition

**Contents**

- 1. Product Overview**
  - 1.1 Safety Precautions
  - 1.2 Packing List
  - 1.3 Features and Specifications
  - 1.4 Product Appearance
  - 1.5 System Requirements
  
- 2. Configuration Preparation**
  - 2.1 Preliminary Set-up
  - 2.2 Logging In to the Device
  - 2.3 WLAN Configuration



## 1.1 Safety Precautions

### Usage Cautions

- Read all the safety cautions carefully before using the device.
- To avoid electric shock, please do not open or destroy the equipment, especially if the device is powered on.
- Only use the power supply, included in the package.
- The power supply voltage must meet the requirements of the device input voltage (The voltage fluctuation range is less than 10%).
- Keep the power plug clean and dry to prevent any risk of electronic shock or other danger.
- Power off and disconnect the device from the electricity if not in use for long periods.
- Power off and stop using the device under the following conditions: abnormal sound, smoke, and strange smell. Contact the service provider for maintenance advice, if the device is faulty.

**\*\*Note:\*\*** The users should read the usage cautions above carefully and will be responsible for any incident resulted from the violation of the cautions above.

### Environment Requirements

- Ensure the device is properly ventilated. Place the device out of the direct sunlight.
- Do not place any object on the device, in case it gets deformed and damaged.
- Do not place the device near any source of heat or water.
- Keep the device away from any household appliances with strong magnetic or electric fields, such as microwave oven and refrigerator.

### Cleaning Requirements

- Before the cleaning, power off the device, and unplug all the cables connected to the device, such as power cable, coaxial, and Ethernet cable.
- Do not use any liquid or spray to clean the device. Use the soft dry cloth.

### Environment Protection

- GibFibreSpeed will dispose of this equipment, observing local regulations.

## 1.2 Packing List

After opening the ES27 packing box, make sure that it contains the following components, as listed below.

### Packing List

- 1x ES27 Modem/Router
- 1x Power adapter
- 1x RJ-45 network cable
- 1x Coaxial F-Type Connector

## 1.3 Features and Specifications

### Interface Features

The interface features are as follows:

- **IEEE 1901 Standard:** Confirms to IEEE 1901 Standard (HomePlug).
- **Ethernet interface:** 10/100Mbps GE interfaces, in compliance with IEEE.

- **WLAN interface:** in compliance with the IEEE 802.11bgn standards.

**Product Specifications**

The ES27 specifications are as follows:

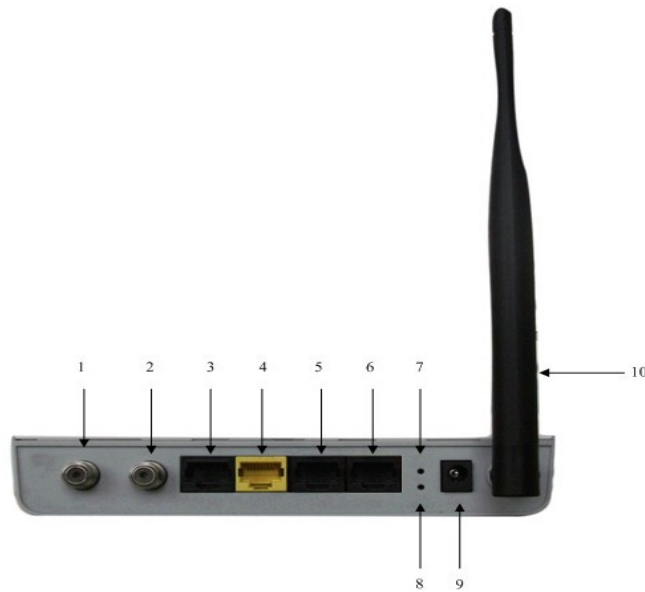
- Rated current: 0.5 A, Rated voltage: 12 V DC
- Operating temperature: -5°C to 40°C, Operating humidity: 5%–95%
- Dimensions: 190mm ×33mm×135mm (Width × Height × Depth)

**1.4 Product Appearance**

**Front Panel**



	Indicator	Function
1	PWR	Power Indicator: No Light: Power Off. Green: Power on.
2	LINK	Coaxial cable signal indicator: Green: Link synchronised. Flashing: Signal is transmitting. Off: Synchronisation failed.
3	WIFI	WIFI connection indication: Flashing: WIFI data is transmitting.
4	LAN 4	Ethernet interface 4: On: Connected. Flashing: Data transmitting. Off: Connection failed.
5	LAN 3	Ethernet interface 3 On: Connected. Flashing: Data transmitting. Off: Connection failed.
6	CON	WIFI configuration / Data service interface: (For WIFI local WEB configuration or data service access) On: Connected. Flashing: Data transmitting. Off: Connection failed.
7	LAN 1	Ethernet interface 1 On: Connected. Flashing: Data transmitting. Off: Connection failed.



Symbol	Function
1 RF OUT	TV loop output port – To TV or STB
2 RP IN	RF connection input port – From Gibsat
3 LAN 1	Ethernet interface 1
4 CON	Configuration and service interface
5 LAN 3	Ethernet interface 3
6 LAN 4	Ethernet interface 4
7 WIFI RESET	WIFI reset button: Press this button for more than 6 seconds and release. The WIFI will restore to the default configuration. Default IP address is 192.168.1.1 - admin/admin
8 EOC RESET	EOC reset button: Press this button for more than 6 seconds and release. The EOC device will restore to the default configuration.
9 Power port	External 12V power adaptor port
10 WIFI Antenna	External 5dbi high gain antenna

### 1.5 System Requirements

The EoC system requirements are as follows:

- A coaxial connection to the GibFibreSpeed EoC Network.
- A device installed with a 10 Mbps/100 Mbps/1000 Mbps Ethernet interface or an 802.11b/g/n wireless card is needed. (PC, Laptop, tablet, etc)
- A Web browser, such as Chrome, IE, Mozilla Firefox, Opera, etc.

### 2. Configuration Preparation

## 2.1 Preliminary Set-up

The GibFibreSpeed team will set-up and configure the ES27.

The ES27 will have a default Wi-Fi SSID and WPA-PSK. The SSID and WPA-PSK can be changed for, or by, the client if required.

## 2.2 Logging in to the Device

Perform this procedure to log in to the device.

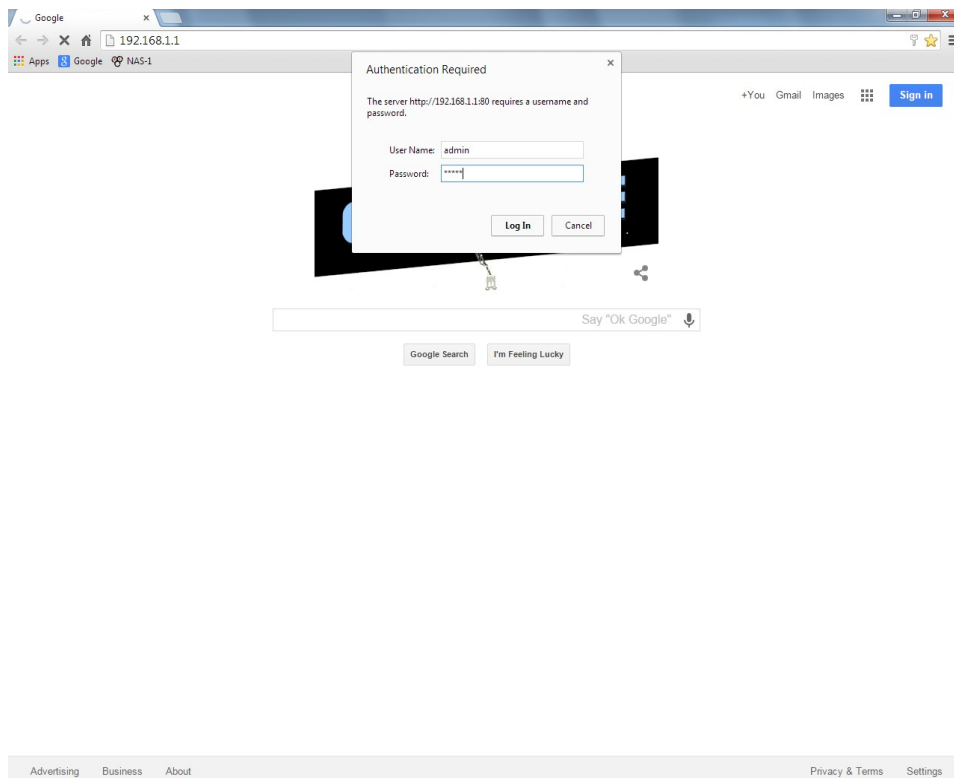
### Prerequisites

Ensure all optical fibre and LAN cables are connected properly to the F668 and a computer or other device is correctly configured.

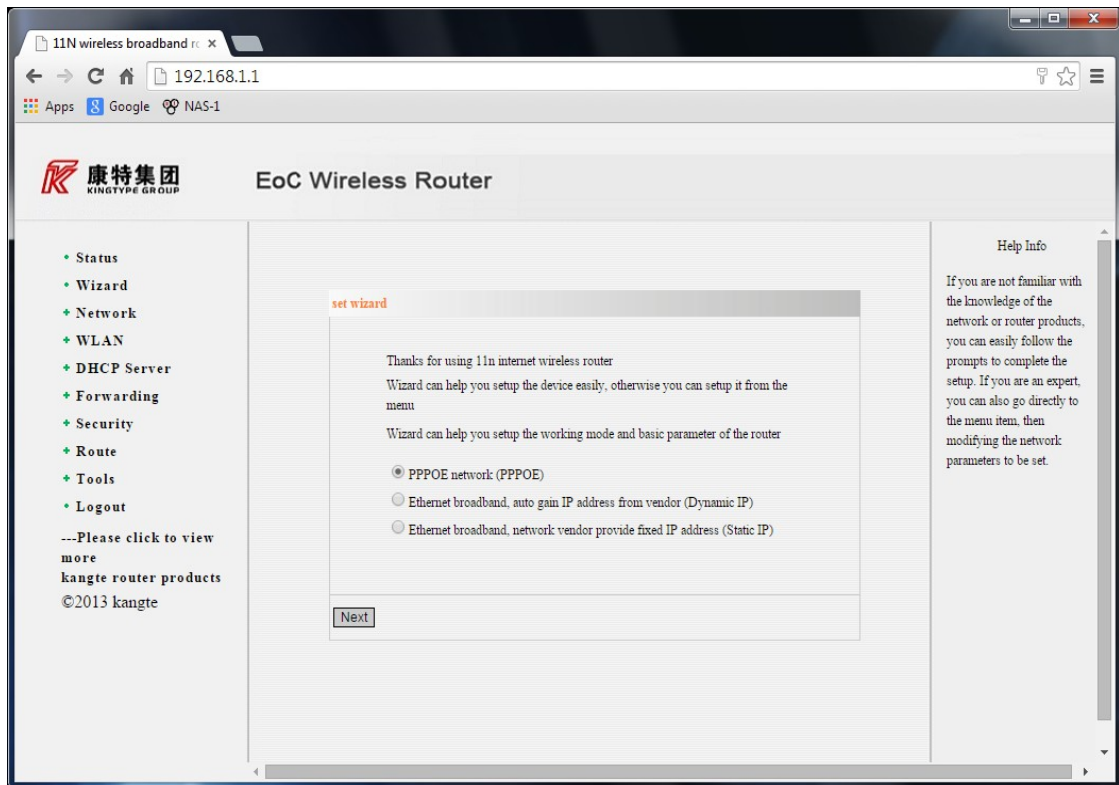
1. Open a Web Browser and enter `http://192.168.1.1` (default IP address of the device) in to the URL address bar and press **Enter**.  
The login dialog box is displayed, as shown below.

Enter the **Username** and **Password** (by default, both are admin ).  
Click **Login** to open the main window.

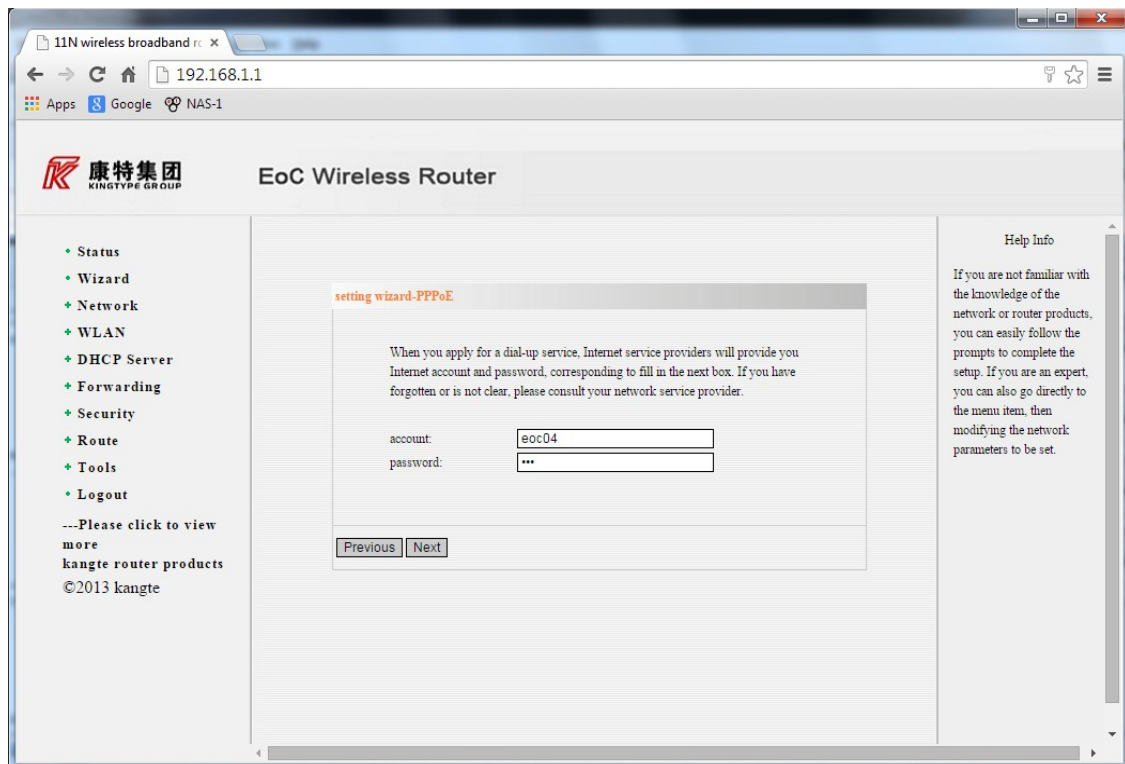
### Login Window



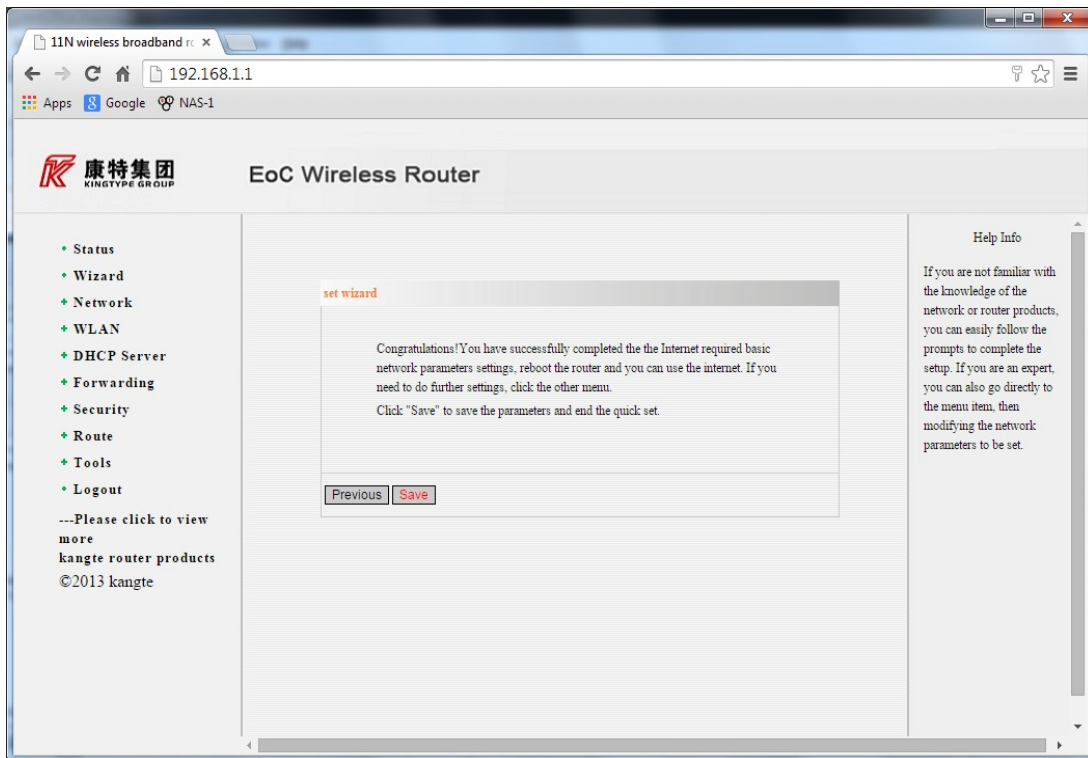
From the menu on the left click on 'Wizard' and select 'PPPoE' and click on 'Next'



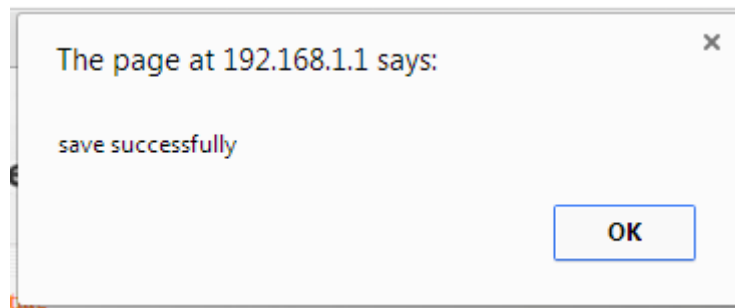
Clients PPPoE username and password are entered here and then click 'Next'



Click 'save' and wait for confirmation prompt.



Click 'OK' on the confirmation prompt





From the left menu click on status and confirm that the username and password have authenticated and an IP address has been assigned to the WAN Interface.

The screenshot shows a web browser window displaying the configuration page for an EoC Wireless Router. The browser's address bar shows the IP address 192.168.1.1. The page features a left-hand navigation menu with the following items: Status, Wizard, Network, WLAN, DHCP Server, Forwarding, Security, Route, Tools, and Logout. Below the menu, there is a note: "---Please click to view more kangte router products ©2013 kangte".

The main content area is titled "EoC Wireless Router" and is divided into several sections:

- System Info:** work mode: route; Software Version: 0.0.2 build hgw; Build Date: 2013-10-24-13:55; Hardware Version: w9331; Run Time: 0d-3h-57m-58s. A "Refresh" button is present.
- WAN Interface Status:** Access Mode: dial-up network PPPoE; Connection status: connected; MAC address: 00:0F:1E:AE:12:5E; IP Address: 185.9.215.17; Submask: 255.255.255.255; Gateway: 10.200.0.1; DNS Servers: 66.28.0.45, 66.28.0.61. A "Disconnect" button is present. port bind: LAN1, LAN2, LAN3, LAN4, WLAN1.
- WAN Interface Flow Count:** Send Bytes: 14125851; Receive Bytes: 121307825; End Packages: 54586; Receive Packages: 160778.
- LAN Interface Status:** MAC address: 00:0F:1E:AE:12:5F; IP Address: 192.168.1.1; Submask: 255.255.255.0.
- Wireless Status:** Wireless: Enable; SSID: GFS0050; BSSID: 00:0F:1E:AE:12:5D; Authentication Mode: WPAmix.

On the right side of the page, there is a "Help Info" section with the following text: "System Information: this option mainly includes the main version information of the software and hardware version, click the refresh button, the running time will be updated. WAN port status: it contains the WAN port connection of the routing mode, connection status, MAC address, IP address, Gateway, DNS server, bonding ports and so on. The WAN port connection has three ways, which are static configuration, DHCP and PPPoE for dial-up access. WAN Traffic Statistics: it shows the number of bytes and packets which is sended and received by the external network interface in a certain running time. LAN State it includes the internet bridge's MAC address and IP address. Wireless State the status of all virtual AP's is displayed here, the wireless status includes the name of the wireless network, the authentication mode, the channel and the wireless protocols which is used."



## 2.3 WLAN Configuration

### Configuring Basic WLAN Parameters

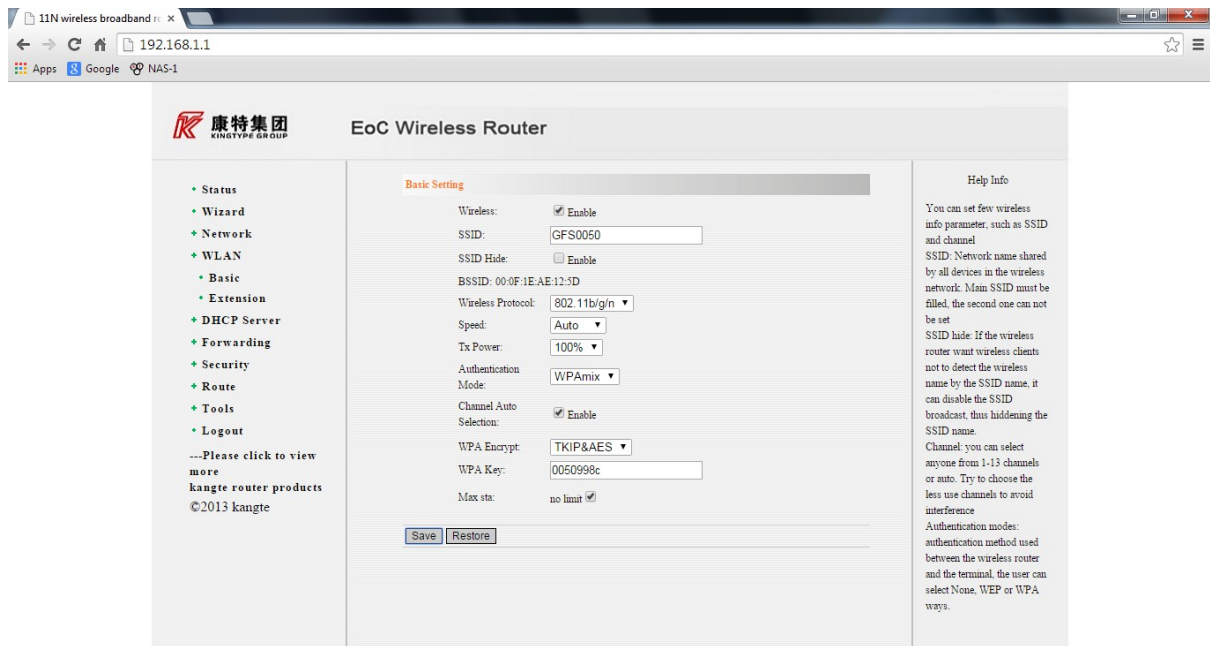
Perform this procedure to configure the basic WLAN parameters.

1. From the menu bar on the left side of the screen, click on the 'WLAN'

Here the SSID, WPA Key and other basic settings can be changed.

#### Recommended settings

Wireless:	enable
Wireless protocol:	802.11bgn
Speed:	auto
TX Power:	100%
Authentication Mode:	WPAmix
Channel Auto Selection:	enable
WPA Encrypt:	TKIP & AES
Max sta:	no limit



The screenshot shows a web browser window displaying the configuration page for an EoC Wireless Router. The page title is "EoC Wireless Router" and it features the Kangte Group logo. On the left, there is a navigation menu with options like Status, Wizard, Network, WLAN, DHCP Server, Forwarding, Security, Route, Tools, and Logout. The main content area is titled "Basic Setting" and contains the following configuration options:

- Wireless:  Enable
- SSID:
- SSID Hide:  Enable
- BSSID: 00:0F:1E:AE:12:5D
- Wireless Protocol: 802.11b/g/n
- Speed: Auto
- Tx Power: 100%
- Authentication Mode: WPAmix
- Channel Auto Selection:  Enable
- WPA Encrypt: TKIP&AES
- WPA Key:
- Max sta: no limit

At the bottom of the settings area, there are "Save" and "Restore" buttons. On the right side of the page, there is a "Help Info" section with explanatory text about wireless settings.

Remember to click on 'Save' to continue.

