

# FSG1100HN

## Quick Start Guide

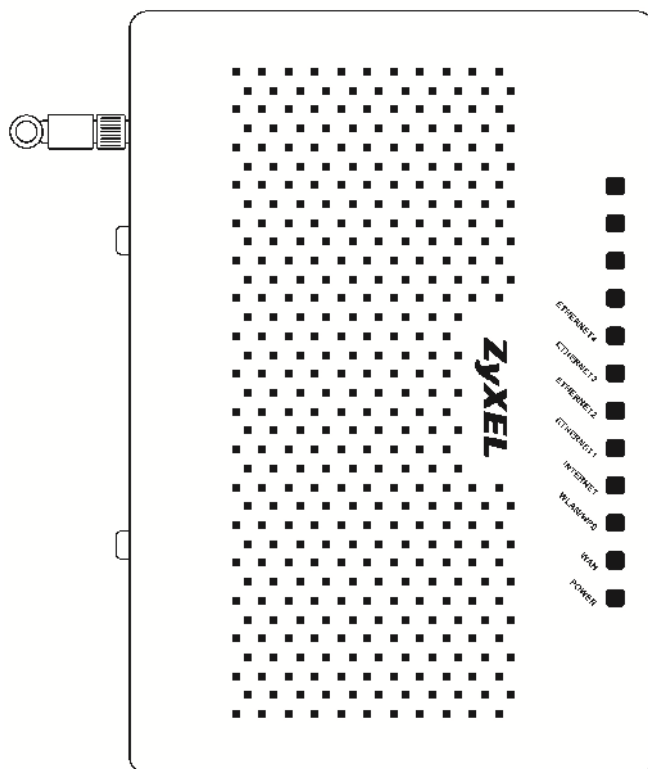
### Wireless Active Fiber Router

Firmware V1.00  
Edition 3/15/2010

#### Default Login Details

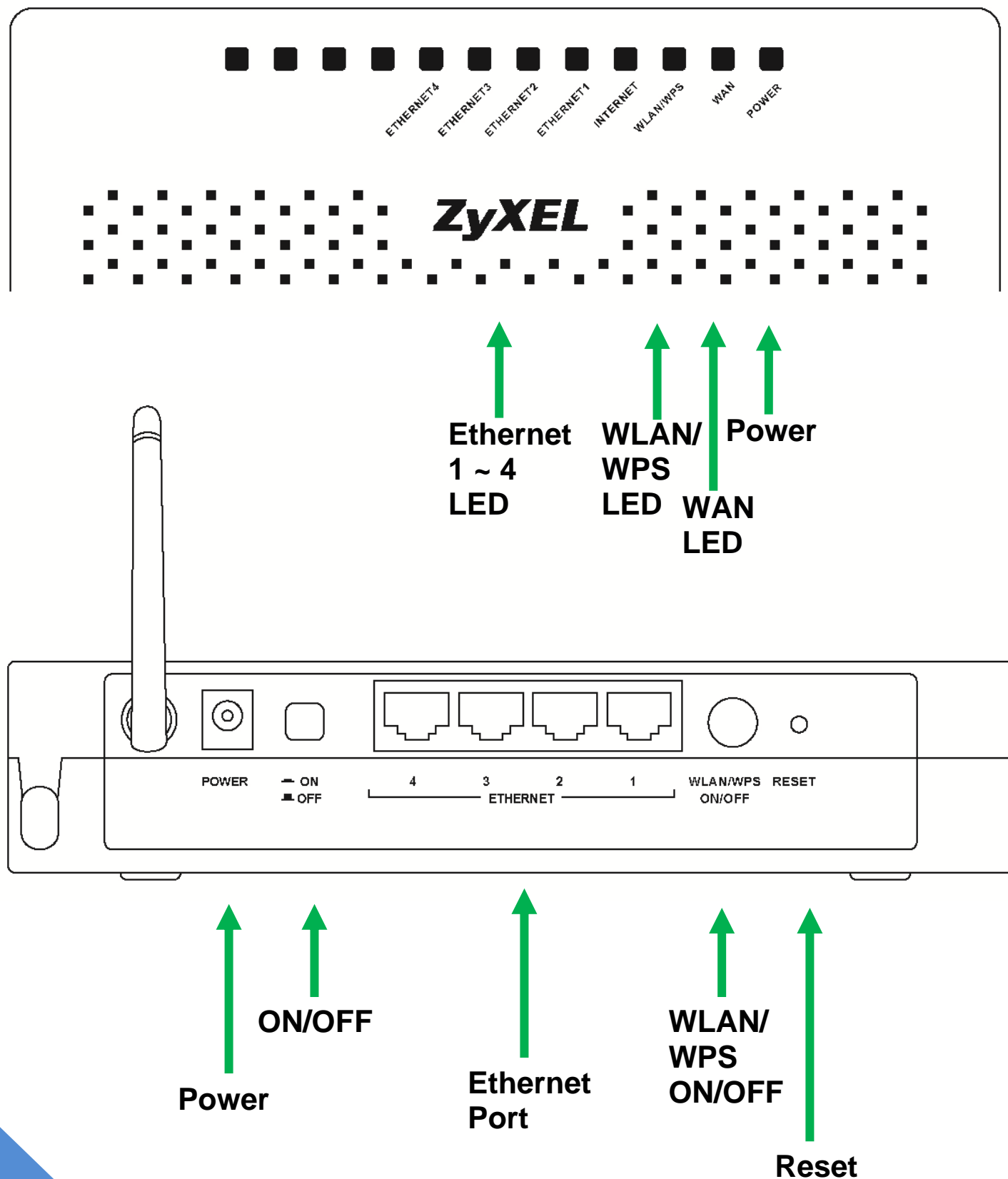
IP Address: <http://192.168.1.1>

User Login:   User Name: admin  
                  Password: 1234



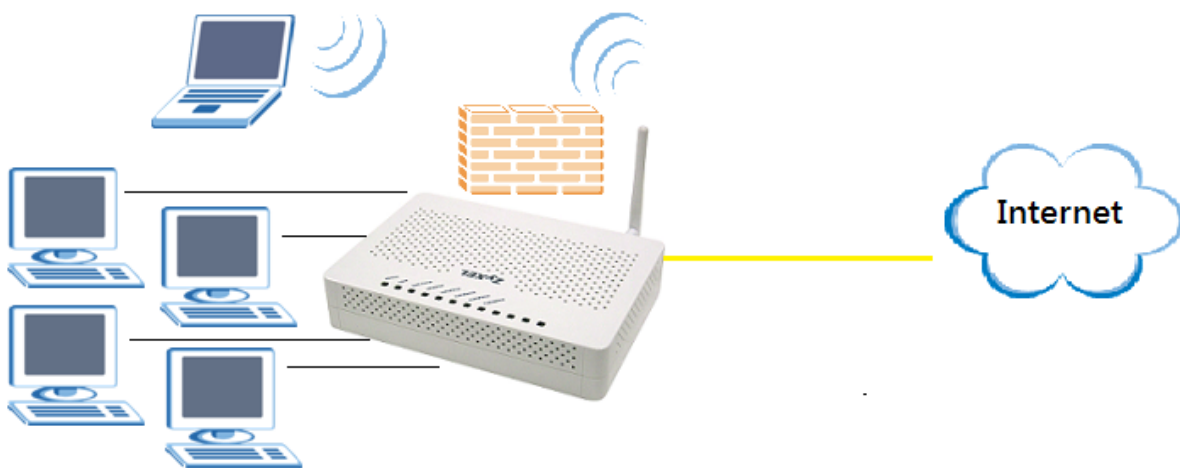
# ZyXEL

# LED and Rear Panel



# Overview

The FSG1100HN is a wireless router that lets you set up both wired and wireless networks. Its built-in firewall is enabled by default to protect your network.



The Quick Start Guide show you how to:

- Mount the FSG1100HN on the Wall
- Set Up a Wired Network with Internet Access
- Set Up a Wireless Network with WPS

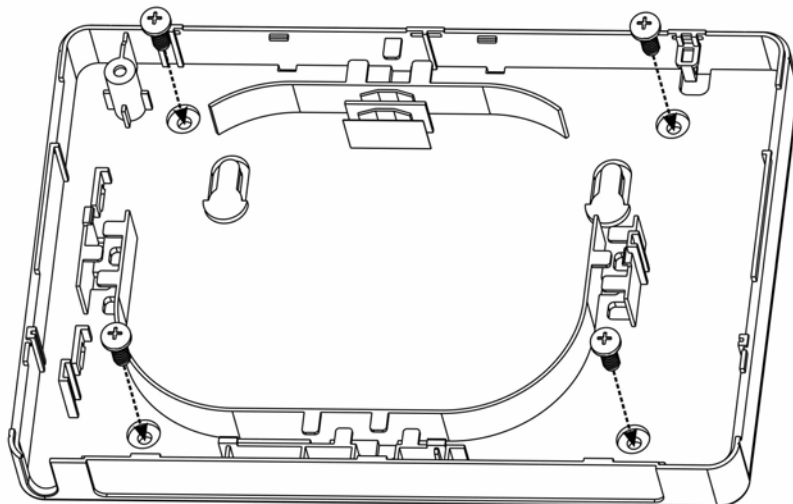
# Wall-Mounting Instructions

There are two ways to install the FSG1100HN on a wall

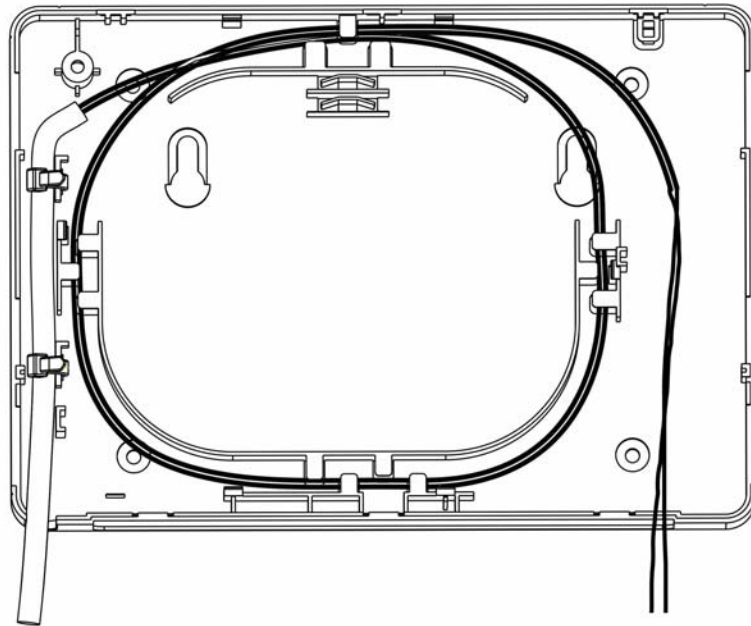
- a.) Wall-mount attachment
- b.) Wall-mount hanging

To attach your FSG1100HN to a wall:

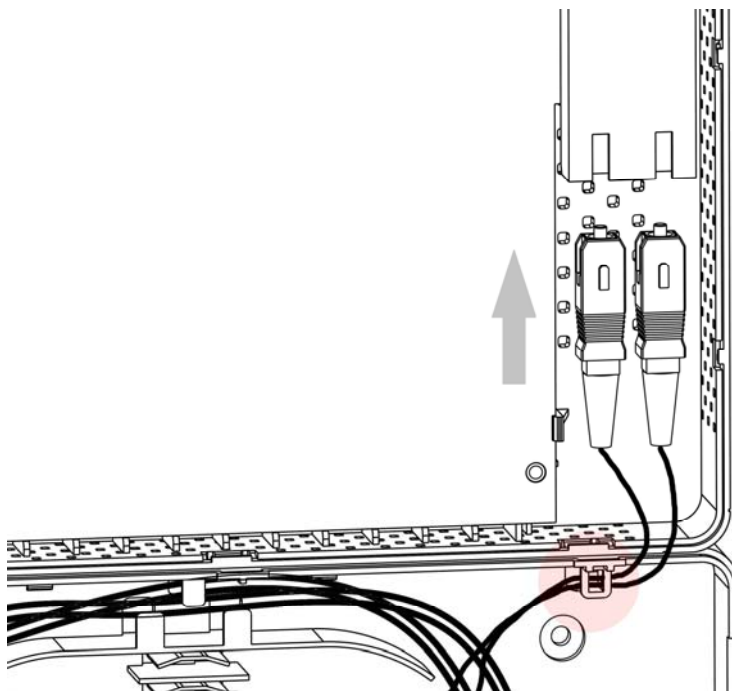
1. Locate a high position on a wall that is free of obstructions. Be sure to use a sturdy wall.
2. Drill four holes for the screws. Make sure the distance between the centers of the holes is the same as the four holes in the FSG1100HN.
3. Drive in the screws in the lower part of the casing on the wall:



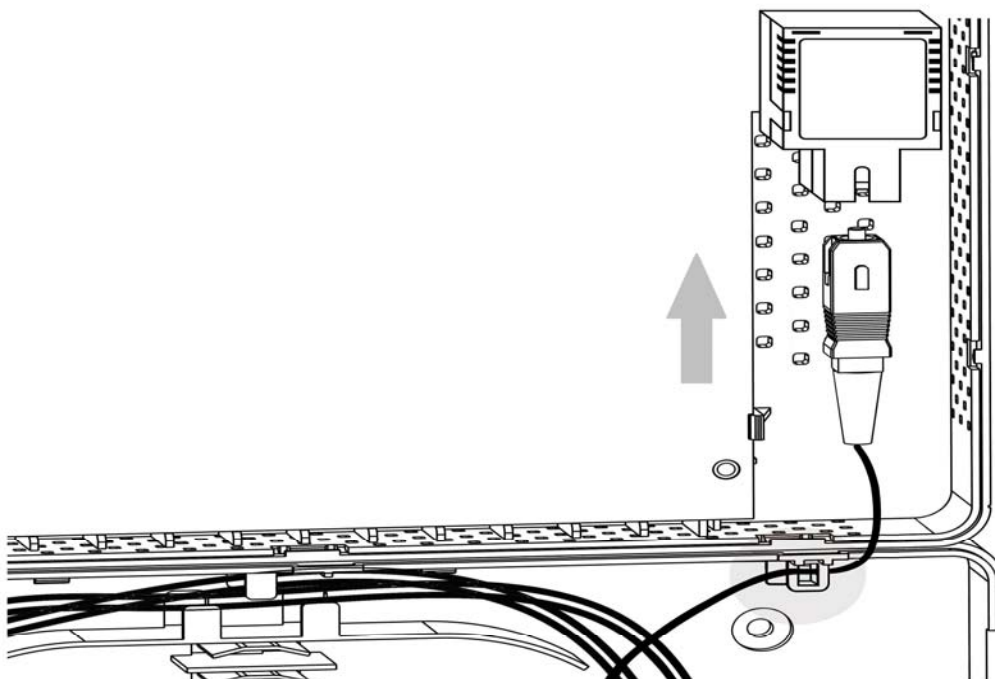
4. Coil the fiber cables within the FSG1100HN:



5. Plug the fiber cable into the module. Make sure the fiber cable has coiled properly into the hole:

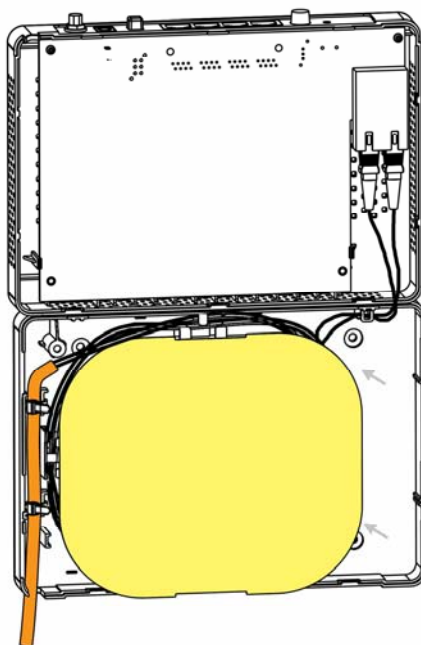


FSG1100HN Duplex SC model.

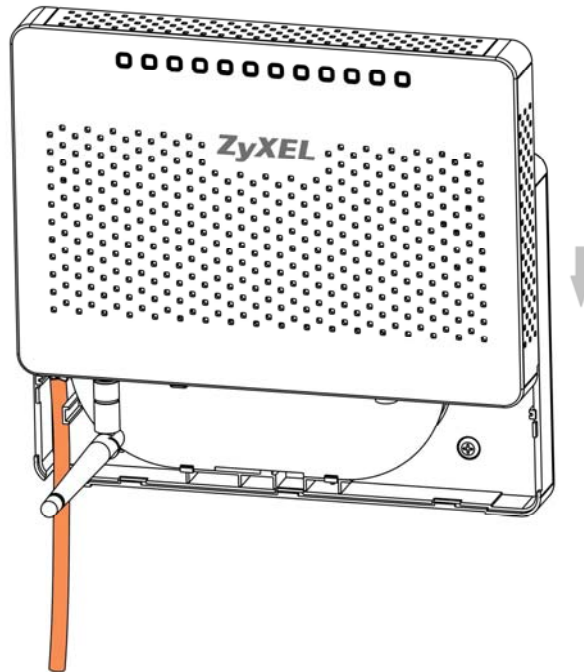


FSG1100HN Simplex SC model.

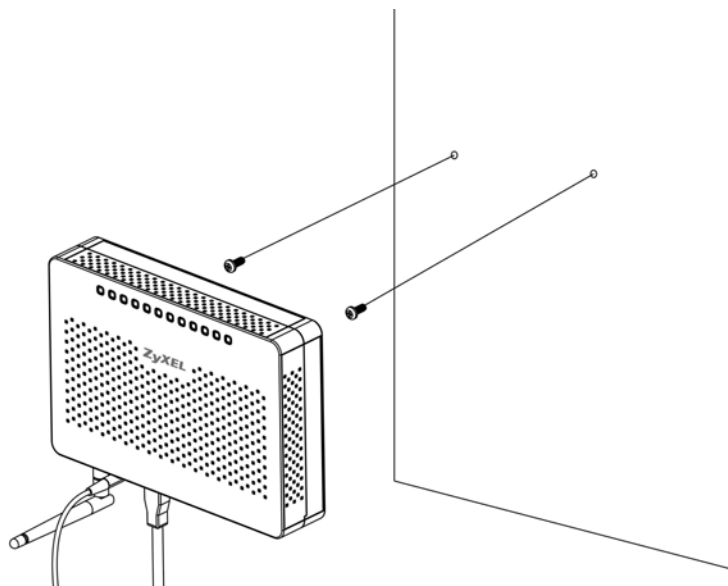
6. Place the plastic cover on the fiber tray to prevent fiber coil derailment.



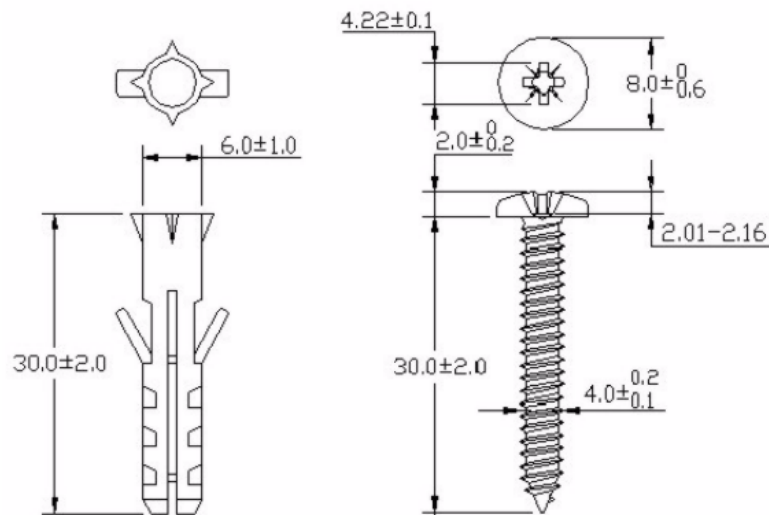
7. Slide on the upper part of the casing:



8. For wall mount hanging, leave a small gap of about 0.5cm between the heads of the screws and the wall. Make sure the screws are securely fastened to the wall. They need to hold the weight of the FSG1100HN with connection cables.



The following dimensions of an M4 tap screw and masonry plug are used for wall mounting. All measurements are in millimeters (mm).

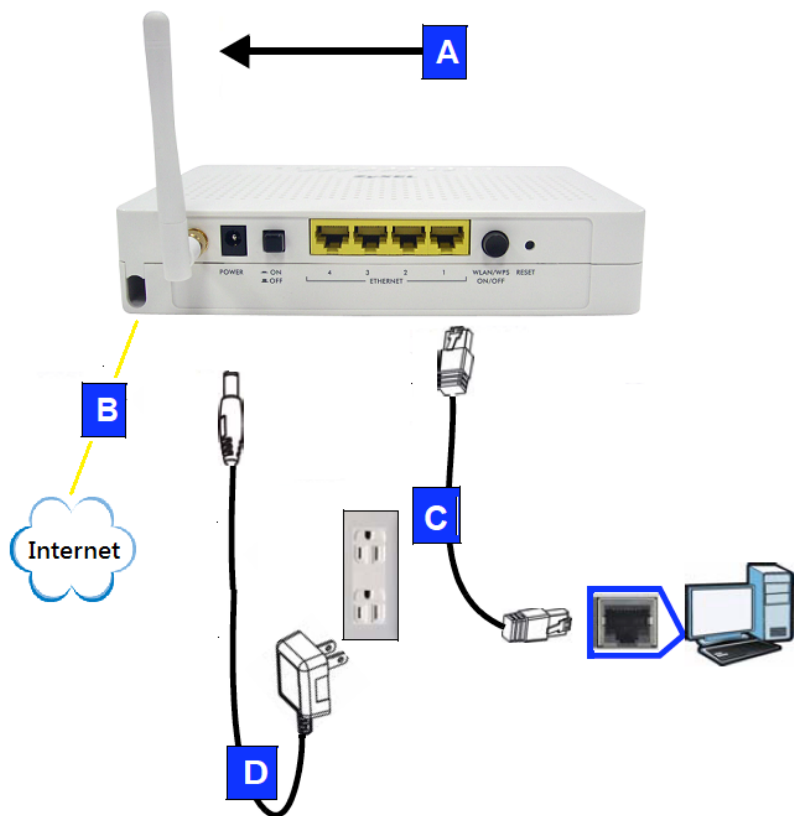


Screws are not enclosed in the packaging of the product.



# Hardware Connctions

1. Make the following hardware connections to your FSG1100HN:



- Connect the antennas (**A**) to the antenna sockets, ensuring they are screwed in firmly and angled upwards.
- Connect the WAN port (**B**) on your FSG1100HN to the Fiber port on the device with which you are accessing

- Connect the Ethernet port on your computer to a LAN port (**C**) on the FSG1100HN using an Ethernet cable.
  - Use the power adapter (**D**) from the package to connect the POWER socket to an appropriate power source.
2. Check your Internet connection. Open a web browser on your computer and enter [www.zyxel.com](http://www.zyxel.com) in the address bar.



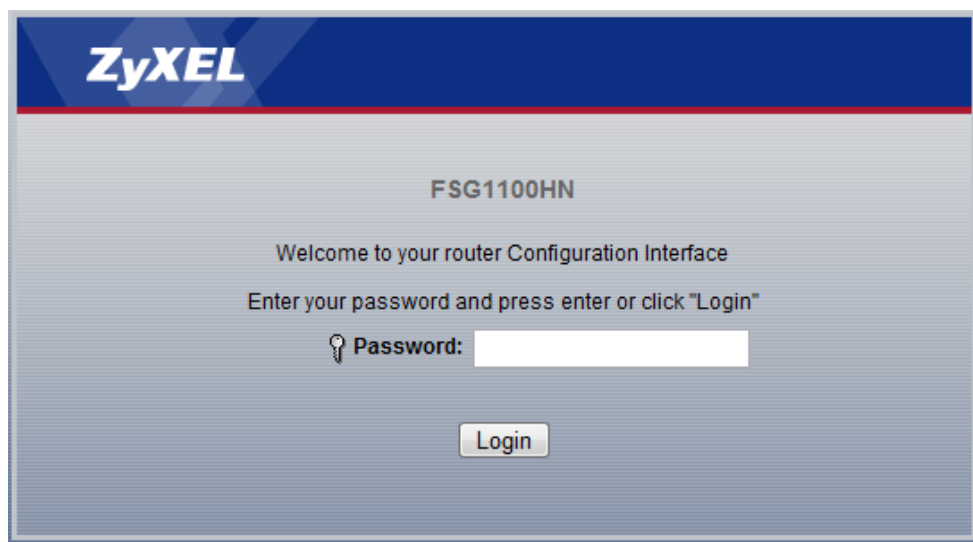
If you cannot access the Internet, restart your FSG1100HN.

# Log into the Web Configurator

1. Open your browser and enter **http://192.168.1.1** (the FSG1100HN's default IP address) as the address



2. For administrator login, enter username **admin** and password **1234** (default). For **user** login, enter **user** as the username and **user** as the password. Click **Login**



If the login screen does not open, make sure you allow web browser pop-up windows, JavaScripts and Java permissions. Your computer should be also set to get an IP address automatically

## Set Up a Wireless Network

To set up a wireless network you need at least one wireless network card/adaptor.

- If you have a desktop computer, use either a wireless USB adapter or a wireless PCI adapter.
- If you have a laptop, use either a wireless USB adapter or a wireless CardBus card. These are built into many laptops.

## Setting Up a Wireless Network with WPS.

If your wireless devices display the WPS logo, you can use Wi-Fi Protected Setup (WPS) to add wireless devices to your wireless network. If your wireless devices do not display the WPS logo, go to Set Up a Wireless Network Manually on page 15 to manually set up a wireless network.



The FSG1100HN supports two WPS methods for creating a secure connection.

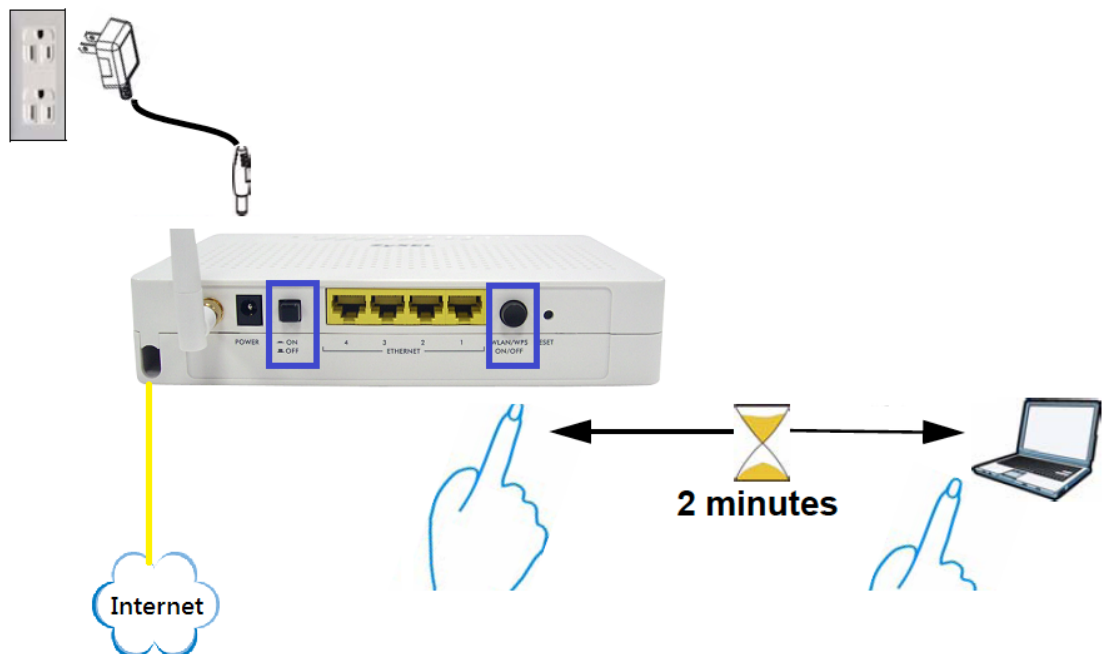
- **Push Button Configuration** – create a secure wireless network simply by pressing the FSG1100HN's physical WPS button. See [Push Button Configuration](#) on page 12
- **PIN Configuration** – create a secure wireless network by entering your wireless device's PIN

(Personal Identification Number) into the configuration screen of the FSG1100HN. See [PIN Configuration on page 13](#)

You must use the same method on the FSG1100HN and the wireless client.

### ***Push Button Configuration***

1. Place a WPS-enabled device that is installed in your system and supports the WPS Push Button method within range of the FSG1100HN.
2. Press the WLAN button on the FSG1100HN's front for five seconds.



3. Use the WPS-enabled device's WPS button to enable wireless security. It can be either a button in the utility or a physical button. You must press the button on the

second device within two minutes of pressing the one first on the first. It doesn't matter which button is pressed first.

4. The FSG1100HN and the wireless device establish a secure connection. This can take up to two minutes.
5. Congratulations! Your computer is now ready to connect to the internet wirelessly through your FSG1100HN.

### ***PIN Configuration***

1. Place a WPS-enabled device that is installed in your computer and supports the WPS PIN configuration method within range of the FSG1100HN.
2. Log into the FSG1100HN's web configuration at **http://192.168.1.1** (see [Log into Web Configuration on page 10](#) for more details on this).
3. In the **Status** screen click **Network** in the left panel then click **Wireless LAN**. In the **Wireless LAN** screen click the WPS Station tab.
4. Enter the PIN of the other WPS-enabled device into the Input Station's PIN number text box and click **Start**. You can locate this PIN number in the other device's utility or on the device itself. See the other device's documentation if you cannot locate the PIN.

The image shows a web-based configuration interface for Wi-Fi Protected Setup (WPS). The interface is divided into three main sections: WPS Settings, WPS Summary, and WPS Action.

**WPS Settings:** The 'Active' checkbox is checked, and the 'Enable' dropdown menu is set to 'Enable'. There are 'Apply' and 'Refresh' buttons.

**WPS Summary:** This section displays the current WPS configuration:

WPS Configured	No
WPS SSID	802.11bgn-SSID
WPS Security Mode	Open
WPS Encryp Type	None
WPS Default Key Index	N/A
AP PIN	43779703

Below the summary table is a 'Reset to UnConfigured' button.

**WPS Action:** This section contains two rows of configuration options:

PIN	<input type="text"/> <input type="button" value="Configure via PIN"/>
PBC	<input type="button" value="Configure via PBC"/>

The 'PIN' row is highlighted with a red rectangular border.

5. Click **Start** or **Apply** in the other device's utility screen within two minutes of clicking **Start** in the FSG1100HN web configurator screen.
6. The FSG1100HN and the other WPS-enabled device establish a secure connection. This can take up to two minutes.
7. Congratulations! Your computer is now ready to connect to the Internet wirelessly through your FSG1100HN.

# *Viewing Your Product's Certifications*

## **Procedure to View a Product's Certification(s)**

1. Go to [www.zyxel.com](http://www.zyxel.com).
2. Select your product from the drop-down list box on the ZyXEL home page to go to that product's page.
3. Select the certification you wish to view from this page.



## Declaration of Conformity

We, ZyXEL Communications Corp., located at No.6, Innovation Rd II, Science-Park, Hsin-Chu, 300, Taiwan, declare under our sole responsibility that the product:

### Product information

Product Name : Wireless Active Fiber Router  
Model Number : FSG1100HN

### Produced by

Company Name : ZyXEL Communications Corporation  
Company Add. : No. 6, Innovation Road II, Science-Park, Hsin-Chu, 300, Taiwan

to which this declaration relates, is in conformity with the following standards or other normative documents:

EN 301489-17 V2.1.1 (2009-05)	EN 300328 V1.7.1 (2006-10)
EN 301489-1 V1.8.1 (2008-04)	EN 62311: 2008
EN 55022: 2006+A1: 2007	COMMISSION REGULATION (EC)
EN 61000-3-2: 2006	No 1275/2008
EN 61000-3-3: 2008	COMMISSION REGULATION (EC)
EN 55024:1998+A1:2001+A2:2003	No 278/2009
Safety EN 60950-1: 2006+A11: 2009	


Following the provisions of 2004/108/EC; 92/31/EEC Directive; 93/68/EEC, 99/5/EEC, LVD 2006/95/EC, and EuP 2005/32/EC.

In accordance with Annex III of the Directive 1999/5/EC.

The TCF-File is located at:

Company Name : ZyXEL Communications Czech s.r.o.  
Company Address : Modranska 621, 143 01 Praha 4, Czech Republic

Person is responsible for marking this declaration:

Milan Baran	VP Operations
Name (Full Name)	Position/ Title
2010-03-23	
Date	Legal Signature

ENGLISH	DEUTSCH	ESPAÑOL
<p><b>Green Product Declaration</b></p> <p>RoHS Directive 2002/95/EC</p>  <p>WEEE Directive 2002/96/EC (WEEE: Waste Electrical and Electronic Equipment) 2003/108/EC</p>  <p>Declaration Signature: <i>Alan Cho</i></p> <p>Name/Title: Alan Cho / Quality Assurance Director Date (yyyy/mm/dd): 2009/3/24</p>	<p><b>Green Product Declaration</b></p> <p>RoHS Directive 2002/95/EC</p>  <p>WEEE Directive 2002/96/EC (WEEE: Waste Electrical and Electronic Equipment) 2003/108/EC</p>  <p>Unterschrift des Erklärenden: <i>Alan Cho</i></p> <p>Name/Title: Alan Cho / Quality Assurance Director Datum (JJJJ/MM/TT): 2009/3/24</p>	<p><b>Declaración de Producto Ecológico</b></p> <p>Directiva RoHS 2002/95/EC</p>  <p>Directiva REEE 2002/96/EC (REEE: Residuos de Equipos Eléctricos y Electrónicos) 2003/108/EC</p>  <p>Firma de declaración: <i>Alan Cho</i></p> <p>Nombre/Título: Alan Cho / Quality Assurance Director Fecha (aaaa/mm/dd): 2009/3/24</p>
<p><b>ITALIANO</b></p> <p><b>Dichiarazione Green Product</b></p> <p>Direttiva RoHS 2002/95/CE</p>  <p>Direttiva RAEE 2002/96/CE (RAEE: Rifiuti di Apparecchiature Elettriche ed Elettroniche) 2003/108/CE</p>  <p>Firma dichiarazione: <i>Alan Cho</i></p> <p>Nome/Title: Alan Cho / Quality Assurance Director Data (aaaa/mm/gg): 2009/3/24</p>	<p><b>NEDERLANDS</b></p> <p><b>Productmilieuverklaring</b></p> <p>RoHS-richtlijn 2002/95/EC</p>  <p>AEEA-richtlijn 2002/96/EC (AEEA: Afgedankte Elektrische en Elektronische Apparaten) 2003/108/EC</p>  <p>Verklaringshandtekening: <i>Alan Cho</i></p> <p>Naam/Title: Alan Cho / Quality Assurance Director Datum (jjjj/mm/dd): 2009/3/24</p>	<p><b>SVENSKA</b></p> <p><b>Miljödeklaration</b></p> <p>RoHS Direktiv 2002/95/EC</p>  <p>WEEE Direktiv 2002/96/EC (WEEE: hantering av elektriskt och elektroniskt avfall) 2003/108/EC</p>  <p>Deklaration undertecknad av: <i>Alan Cho</i></p> <p>Namn/Title: Alan Cho / Quality Assurance Director Datum (åååå/mm/dd): 2009/3/24</p>
<p><b>FRANÇAIS</b></p> <p><b>Déclaration de Produit Green</b></p> <p>Directive RoHS 2002/95/EC</p>  <p>Directive DEEE 2002/96/EC (DEEE: Déchets des Equipements Electriques et Electroniques) 2003/108/EC</p>  <p>Signature de la déclaration: <i>Alan Cho</i></p> <p>Nom/Title: Alan Cho / Quality Assurance Director Date (aaaa/mm/jj): 2009/3/24</p>		