



Quick Installation Guide  

**TEW-639GR**  
3.01

# Table of Contents

<b>English</b>	<b>1</b>
1. Before You Start	1
2. Hardware Installation	4
3. Configure the Wireless Router	6
<b>Troubleshooting</b>	<b>8</b>
<b>Wireless Tips</b>	<b>11</b>



## Package Contents

- TEW-639GR
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Network Cable (1.5m / 5ft)
- Power Adapter (12V DC, 1A)

## System Requirements

- A computer with a wired or wireless network adapter properly installed  
(Note: It is recommended that you configure the Wireless Router from a wired computer)
- Web Browser: Internet Explorer (6.0 or higher), Firefox (2.0 or above), Opera, Chrome, Safari
- Broadband Internet
- Installed Cable or DSL Modem

## Collect Internet Service Provider (ISP) Information

Please verify your Internet broadband connection type with your ISP and ensure you have all the information for one of the following connection types:

### 1. DHCP (Dynamic IP Address)

Host Name (Optional): \_\_\_\_\_  
Manually Configure DNS (Enable/Disable)  
Primary DNS Server: \_\_\_\_\_  
Secondary DNS Server: \_\_\_\_\_  
Use Default MTU Setting (Enable/Disable)  
MTU (default: 1500)  
MAC Address Clone (Enable/Disable)

### 2. Static IP Address

IP Address: \_\_\_\_\_ (e.g. 215.24.24.129)  
Subnet Mask: \_\_\_\_\_  
Default Gateway: \_\_\_\_\_  
Primary DNS Server: \_\_\_\_\_  
Secondary DNS Server: \_\_\_\_\_  
Use Default MTU Setting (Enable/Disable)  
MTU (default: 1500)  
MAC Address Clone (Enable/Disable)

### 3. PPP over Ethernet

User Name: \_\_\_\_\_  
Password: \_\_\_\_\_  
Primary DNS Server: \_\_\_\_\_  
Secondary DNS Server: \_\_\_\_\_  
Operation Mode (Keep Alive, On Demand, Manual)  
Keep Alive Mode Redial Period (Default: 10 seconds)  
On Demand Mode Idle Time (Default: 5 minutes)  
Use Default MTU Setting (Enable/Disable)  
MTU (default: 1500)  
MAC Address Clone (Enable/Disable)

### 4. PPTP

PPTP Server IP Address / Name: \_\_\_\_\_  
User Name: \_\_\_\_\_  
Password: \_\_\_\_\_  
Address Mode: Dynamic IP Address or Static IP Address  
IP Address: \_\_\_\_\_ (e.g. 215.24.24.129)  
Subnet Mask: \_\_\_\_\_  
Operation Mode (Keep Alive, On Demand, Manual)  
Keep Alive Mode Redial Period (Default: 10 seconds)  
On Demand Mode Idle Time (Default: 5 minutes)  
Primary DNS Server: \_\_\_\_\_  
Secondary DNS Server: \_\_\_\_\_  
Use Default MTU Setting (Enable/Disable)  
MTU (default: 1500)  
MAC Address Clone (Enable/Disable)

## 5. L2TP

Server IP Address / Name: \_\_\_\_\_

User Name: \_\_\_\_\_

Password: \_\_\_\_\_

Address Mode: Dynamic IP Address or Static IP Address

IP Address: \_\_\_\_\_ (e.g. 215.24.24.129)

Subnet Mask: \_\_\_\_\_

Operation Mode (Keep Alive, On Demand, Manual)

Keep Alive Mode Redial Period (Default: 10 seconds)

On Demand Mode Idle Time (Default: 5 minutes)

Primary DNS Server: \_\_\_\_\_

Secondary DNS Server: \_\_\_\_\_

Use Default MTU Setting (Enable/Disable)

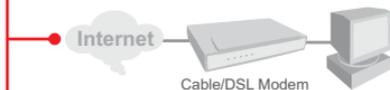
MTU (default: 1500)

MAC Address Clone (Enable/Disable)

## 2. Hardware Installation

**Note:** Gather all information related to your Internet connection before you start. If necessary, contact your Internet Service Provider (ISP).

1. Verify that you have an Internet connection when connecting your computer directly to the Cable or DSL modem. Open your browser (e.g. Internet Explorer) and type in a URL (e.g. <http://www.trendnet.com>) in the address bar.



2. Power off your cable or DSL modem.

3. Disconnect the network cable from your Cable or DSL modem and your computer.

4. Connect one end of a network cable to one of the TEW-639GR's network ports. Connect the other end of the cable to the computer's Ethernet port.



5. Connect one end of a network cable to the TEW-639GR's WAN port. Connect the other end of the cable to your modem's network port.

6. Connect the Power Adapter to the TEW-639GR and then to a power outlet.



ENGLISH

Français

DEUTSCH

ESPAÑOL

Русский



7. Move the power switch to the "On" position (EU version only).

8. Power on your cable or DSL modem. Wait until the LEDs indicate that modem is fully booted up. Consult with the modem user's guide for more information.



9. Verify that the following panel lights are on: **LAN** (port 1, 2, 3, 4 your computer is connected to) (Green), **WAN** (Green) and **WLAN** (Green). Please see trouble shooting section for additional information on LED behaviors.

## 3. Configure the Wireless Router

**Note:** It is recommended that you configure the Wireless Router from a wired computer.

1. Open your web browser, type **http://192.168.10.1** in the Address bar, and then press **Enter**.



2. Enter the User Name and Password and then click **OK**. By default:

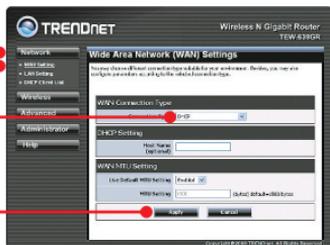
User Name: **admin**

Password: **admin**

Note: User name is case sensitive.



3. Click **Network** and then click **WAN Setting**. Then select the proper Internet Connection Type.



4. Configure the settings based on information provided by your ISP. Then click **Apply**.

Note: Each Internet connection type may have different options.

5. Click **Wireless** and then click **Basic**. You will need to configure the following:

**Wireless Name (SSID):** The SSID is the wireless network name of your wireless network (e.g. wireless router or access point). Enter a unique SSID. Choose something that you would easily identify when searching for available wireless networks.

**Frequency (Channel):** In most cases, the default setting should be fine.

Then click **Apply**.



**Note:**

1. To protect your network from any unauthorized access it is recommended to enable wireless encryption.
2. The example below is for WPA2-PSK (AES) security. If you select WPA-PSK or WPA2-PSK, make sure your wireless adapters support WPA or WPA2. If your wireless adapters do not support WPA or WPA2, then select WEP.
3. WEP encryption only supports 802.11b/g speed of up to 54Mbps.
4. Once encryption is enabled on the router, each wireless computer and device must be configured with the same encryption key.

6. Click **Security**. Select the desired **WPA** mode, enter characters for your Pre-Shared key and then click **Apply**. For WPA-PSK or WPA2-PSK, the Pre-Shared Key must be between 8 and 63 ASCII or 64 HEX characters. Make sure to copy down the Pre-Shared Key. You will need the Pre-Shared key when you configure your wireless adapter(s).



7. Open up your browser and enter in a URL (e.g. [www.trendnet.com](http://www.trendnet.com)) to verify that you have Internet connection.

**Your configuration is now complete**

For detailed information regarding the **TEW-639GR's** configuration and advanced settings, please refer to User's Guide included on the CD-ROM, or TRENDnet's website at <http://www.trendnet.com>.

**Register Your Product**

To ensure the highest level of customer service and support, please take a moment to register your product Online at: [www.trendnet.com/register](http://www.trendnet.com/register)

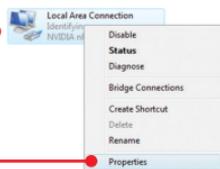
Thank you for choosing TRENDnet

1. I typed `http://192.168.10.1` in my Internet Browser's Address Bar, but an error message says "The page cannot be displayed." How can I get into the TEW-639GR's web configuration page?

1. Check your hardware settings again by following the instructions in Section 2.
2. Make sure the Network Port and WLAN lights are lit.
3. Make sure your TCP/IP settings are set to **Obtain an IP address automatically** (see the steps below).
4. If you are still having problems, reset the TEW-639GR. To reset the TEW-639GR, take a pin or paperclip and press the reset button on the back of the wireless router for 15 seconds. Then let go.

## Windows 7

1. Go into the **Control Panel**, click **Network and Internet**, click **Network and Sharing Center**, click **Change Adapter Settings** and then right-click the **Local Area Connection** icon and then click **Properties**.



Obtain an IP address automatically

Use the following IP address:

IP address:

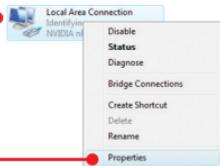
Subnet mask:

Default gateway:

2. Click **Internet Protocol Version 4(TCP/IPv4)** and then click **Properties**. Then click on **Obtain an IP address automatically**.

## Windows Vista

1. Go into the **Control Panel**, click **Network and Internet**, click **Network and Sharing Center**, click **Manage Network Connections** and then right-click the **Local Area Connection** icon and then click **Properties**.



Obtain an IP address automatically

Use the following IP address:

IP address:

Subnet mask:

Default gateway:

2. Click **Internet Protocol Version 4(TCP/IPv4)** and then click **Properties**. Then click on **Obtain an IP address automatically**.

1. Go into the **Control Panel**, double-click the **Network Connections** icon and then right-click the **Local Area Connection** icon and then click **Properties**.



2. Click **Internet Protocol (TCP/IP)** and then click **Properties**. Then click on **Obtain an IP address automatically**.

### 2. I am not sure what type of Internet Account Type I have for my Cable/DSL connection. How do I find out?

Contact your Internet Service Provider's (ISP) support service for the correct information.

### 3. I configured my router with my ISP settings, but I cannot get onto the Internet. What should I do?

1. Verify that you can get onto the Internet with a direct connection into your modem.
2. Contact your ISP and verify all the information that you have in regards to your Internet connection settings is correct.
3. Power cycle your modem and router. Unplug the power to the modem and router. Wait 30 seconds, and then reconnect the power to the modem. Wait for the modem to fully boot up, and then reconnect the power to the router.

### 4. All the settings are correct, but I cannot make a wireless connection to the Router. What should I do?

1. Make sure that the WLAN switch on the back of the router is set to on.
2. Double check that the WLAN light on the Router is lit.
3. Power cycle the TEW-639GR. Unplug the power to the router. Wait 30 seconds and then reconnect the power to the router.
4. Contact the manufacturer of your wireless network adapter and make sure the wireless network adapter is configured with the proper SSID. The default SSID of the TEW-639GR is TRENDnet639. If you have enabled any encryption on the TEW-639GR, make sure to configure the wireless network adapter with the same Pre-Shared key

### 5. When I connect a computer to the router's LAN port, I am not getting Gigabit speeds. What should I do?

1. Make sure that you have a Gigabit Ethernet adapter installed.
2. Make sure to use a Cat-5e or Cat 6 network cable. Some CAT-5 cables are not rated to run in Gigabit.

LED/Button	Color	Sequence	Definition
PWR (Power) LED	Green	Solid	Device is on
	N/A	Off	Device is off
Network Port Link/Act LEDs (Ports 1-4)	Green	Solid	LAN port connected at 10/20 Mbps or 100/200Mbps (Half/Full Duplex)
		Blinking	LAN port data transmitting/receiving 10/20Mbps or 100/200Mbps (Half/Full Duplex)
	Amber	Solid	LAN port is connected at 2000Mbps (Full Duplex)
		Blinking	LAN port data transmitting/receiving at 2000Mbps (Full Duplex)
	N/A	Off	LAN port is disconnected/No Ethernet Link
WAN Link/Act LED	Green	Solid	WAN port is connected at 10/20Mbps or 100/200Mbps (Half/Full Duplex)
		Blinking	WAN port data transmitting/receiving at 10/20Mbps or 100/200Mbps (Half/Full Duplex)
	Amber	Solid	WAN port is connected at 2000Mbps (Full Duplex)
		Blinking	WAN port data transmitting/receiving at 2000Mbps (Full Duplex)
	N/A	Off	WAN port is disconnected/No Ethernet Link
WLAN LED	Green	Blinking	Wireless LAN is on or enabled/Wireless data transmission
	N/A	Off	Wireless LAN is off or disabled
WPS LED	Green	Solid	WPS authentication process complete
		Blinking	WPS authentication in process
	N/A	Off	WPS is not activated or disabled
Power Switch (EU Version only)	N/A	N/A	Turns on/off power to the TEW-639GR
Reset Button	N/A	N/A	Hold 15 seconds to reset device to factory defaults.
WPS Button	N/A	N/A	Hold 3 seconds to activate WPS

If you still encounter problems or have any questions regarding the **TEW-639GR**, please contact TRENDnet's Technical Support Department.

The following are some general wireless tips to help minimize the impact of interference within an environment.

### **Assign your network a unique SSID**

Do not use anything that would be identifying like “Smith Family Network”. Choose something that you would easily identify when searching for available wireless networks.

### **Do not turn off the SSID broadcast**

The SSID broadcast is intended to be on and turning it off can cause connectivity issues. The preferred method of securing a wireless network is to choose a strong form of encryption with a strong and varied encryption key.

**Note: after setting up the SSID, encryption type and encryption key/passphrase, please make a note of them for future reference. You will need this information to connect your wireless computers to the wireless router/access point.**

### **Change the channel**

Most wireless access points and routers are defaulted to channel 6. If you have a site survey tool that will display the channels you can plan your channel selection around neighboring access points to minimize interference from them. If your site survey tool does not display the channel try using channels 1 or 11.

### **Change the channel bandwidth**

If you are using an 802.11n router or access point you can also make the following changes. Change the channel bandwidth to 20/40MHz. This will provide the highest possible performance using an 802.11n device. Also, if using 802.11n you should be securing the network with WPA2 security.

**Note: Due to Wi-Fi certification considerations if you choose WEP, WPA or WPA2-TKIP encryption this device may operate in legacy wireless mode (802.11b/g). You may not get 802.11n performance as these forms of encryption are not supported by the 802.11n specification.**

### **Avoid stacking hardware on top of each other to prevent overheating issues**

Maintain enough free space around the hardware for good ventilation and airflow. There should also be plenty of free space around the antennas to allow the wireless signal to propagate. Please also make sure that the wireless hardware is not placed in any type of shelving or enclosures.

### **There are a number of other environmental factors that can impact the range of wireless devices.**

1. Adjust your wireless devices so that the signal is traveling in a straight path, rather than at an angle. The more material the signal has to pass through the more signal you will lose.

2. Keep the number of obstructions to a minimum. Each obstruction can reduce the range of a wireless device. Position the wireless devices in a manner that will minimize the amount of obstructions between them.
3. Building materials can have a large impact on your wireless signal. In an indoor environment, try to position the wireless devices so that the signal passes through less dense material such as dry wall. Dense materials like metal, solid wood, glass or even furniture may block or degrade the signal.
4. Antenna orientation can also have a large impact on your wireless signal. Use the wireless adapter's site survey tool to determine the best antenna orientation for your wireless devices.
5. Interference from devices that produce RF (radio frequency) noise can also impact your signal. Position your wireless devices away from anything that generates RF noise, such as microwaves, HAM radios, Walkie-Talkies and baby monitors.
6. Any device operating on the 2.4GHz frequency will cause interference. Devices such as 2.4GHz cordless phones or other wireless remotes operating on the 2.4GHz frequency can potentially drop the wireless signal. Although the phone may not be in use, the base can still transmit wireless signals. Move the phone's base station as far away as possible from your wireless devices.

If you are still experiencing low or no signal consider repositioning the wireless devices or installing additional access points. The use of higher gain antennas may also provide the necessary coverage depending on the environment.

# Declaration of Conformity



## Company Information:

Company Name:

TRENDnet, Inc.

Company Address:

20675 Manhattan Place

Torrance, CA 90501

USA

## Product Information:

Product Description:

300Mbps Wireless N Gigabit Router

Model Number:

TEW-639GR

Brand name:

TRENDnet



## Technical Standards:

EN 300 328 V1.7.1: 10-2006

EN 301 489-1 V1.8.1: 04-2008

EN 301 489-17 V2.1.1 : 05-2009

EN 62311:2008

EN 60950-1:2006+A11: 2009

## Declaration:

*The product is herewith confirmed to comply with the requirements of Directive 1999/5/EC of the Council (European Parliament) on the radio and telecommunications terminal equipment and Energy-related products Directive 2009/125/EC.*

*I hereby declare that the products and devices mentioned above are consistent with the standards and provisions of the guidelines.*

Sonny Su

Full Name

April 20, 2011

Date

Director of Technology

Position / Title

Signature

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También puede solicitar el código fuente llamando a TRENDnet.

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Os códigos fonte estão disponíveis para download no site da TRENDnet ([http://trendnet.com/langen/downloads/list\\_gpl.asp](http://trendnet.com/langen/downloads/list_gpl.asp)) por pelo menos três anos da data de embarque do produto.

Você também pode solicitar os códigos fonte contactando TRENDnet, 20675 Manhattan Place, Torrance, CA 90501, USA. Tel: +1-310-961-5500, Fax: +1-310-961-5511.

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Samuti võite lähtekoodi paluda TRENDneti'lt, 20675 Manhattan Place, Torrance, CA 90501, USA. Tel: +1-310-961-5500, Fax: +1-310-961-5511.

## Certifications

This equipment has been tested and found to comply with FCC and CE Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received. Including interference that may cause undesired operation.



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with you Local Authority or Retailer for recycling advice.



**NOTE:** THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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