



Quick Installation Guide  

TEW-436BRM
1.01

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Package Contents

- TEW-436BRM
- CD-ROM (User's Guide)
- Multi-Language Quick Installation Guide
- 1 x RJ-45 Ethernet Cable
- 1 x RJ-11 Telephone Cable
- Power Adapter (12V DC, 1A)

System Requirements

- A working ADSL Internet Connection
- A computer with a wired or wireless network adapter properly installed.
- Web Browser: Internet Explorer (5.0 or above)

Collect Internet Service Provider (ISP) Information

During the installation of your Wireless ADSL Modem Router, the Setup Wizard will automatically detect your ISP connection type. If the router cannot detect your ISP connection type, you can manually specify the connection type. Please verify your DSL Internet broadband connection type with your ISP and ensure you have all the information for one of the following connection types:

A. Dynamic IP connection

ADSL Modem parameters (VPI or VCI), if it cannot be detected automatically.
ISP may require you to use a particular *Hostname* or *Domain* name.

B. Static or Fixed IP connection

Internet IP Address: _____. _____. _____. _____. (e.g. 215.24.24.129)

Subnet Mask: _____. _____. _____. _____.

Gateway IP Address: _____. _____. _____. _____.

Primary DNS: _____. _____. _____. _____.

Secondary: _____. _____. _____. _____.

ADSL Modem Parameters (VPI or VCI), if it cannot be detected automatically.

C. PPPoE or PPPoA Dynamic IP connection

Login User Name: _____

Password: _____

ADSL Modem Parameters (VPI or VCI), if it cannot be detected automatically.

D. IPoA Static or Fixed (IP over ATM) connection

Internet IP Address: _____. _____. _____. _____. (e.g. 215.24.24.129)

Subnet Mask: _____. _____. _____. _____.

Gateway IP Address: _____. _____. _____. _____.

Primary DNS: _____. _____. _____. _____.

Secondary: _____. _____. _____. _____.

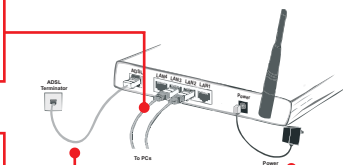
ADSL Modem Parameters (VPI or VCI), if it cannot be detected automatically.

2. Hardware Installation

1. Connect one end of the RJ-45 cable to one of the TEW-436BRM's LAN ports. Connect the other end of cable to the computer's Ethernet port.

2. Connect one end of the RJ-11 cable to the TEW-436BRM's ADSL port. Connect the other end of the cable to the phone jack.

3. Connect the AC Power Adapter to the TEW-436BRM and then to a power outlet.



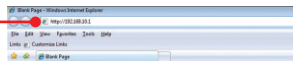
4. Verify that the following panel lights are on: **Power, LAN, and WLAN**. If the lights are not on, press the **Power ON/OFF** on the back of the TEW-436BRM.



3. Configure the Modem

Note: It is recommended that you configure the Modem 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:

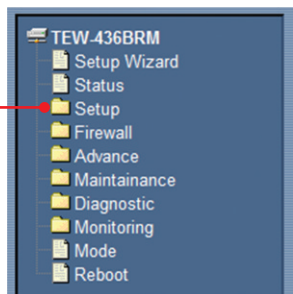
User name: admin

Password: admin

Note: User name and Password is case sensitive.



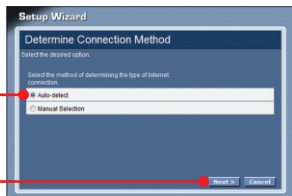
3. Click **Setup Wizard**.



Note:

1. The example below is for Auto-detect. If the Setup Wizard could not automatically detect your Internet connection, select **Manual Selection** and input the information using the information provided by your ISP.
2. In the example below, the ADSL connection is PPPoE

4. Select **Auto-detect** and then click **Next**.



5. Select the **Channel Mode** and then click **Next**.



6. Configure the settings based on information provided by your ISP. Then click **Next**.

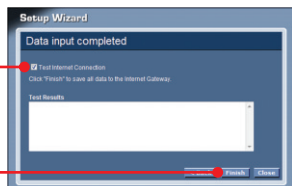


Note: For other connection methods, follow the on screen instructions after you select auto-detect.

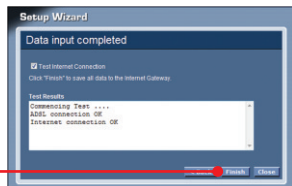
7. Please wait while the TEW-436BRM reboots.



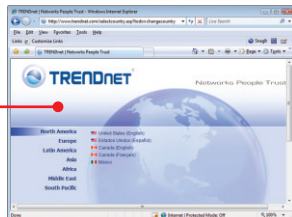
8. Check **Test Internet Connection**, and then click **Finish**.



9. Verify that the test has completed successfully. Check that the ADSL and Internet LEDs are lit. Then click **Close**.



10. Open up your browser and enter in a URL (e.g. www.trendnet.com) to verify that you have Internet connection.



4. Setting up Encryption

ENGLISH

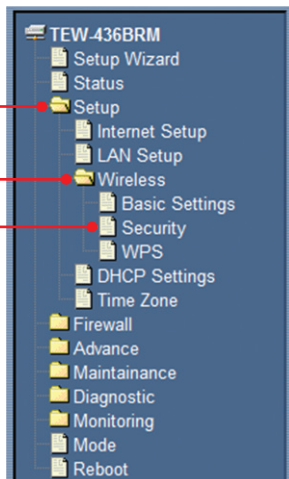
FRANÇAIS

DEUTSCH

ESPAÑOL

РУССКИЙ

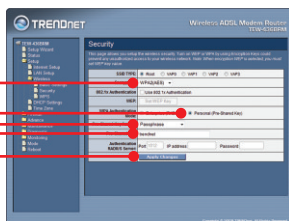
1. Click **Setup** -> **Wireless** -> **Security**.



2. This example below is WPA2-PSK. Select the following:

Encryption: WPA2(AES) WPA Authentication Mode: Personal (Pre-Shared Key) Pre-Shared Key Format: Passphrase
Pre-Shared Key: Enter an encryption key.
For Example: trendnet

Then click **Apply Changes**. 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 encryption key.



Your Configuration is complete

For detailed information regarding the **TEW-436BRM's** configuration and advanced settings, please refer to the Troubleshooting section, User's Guide 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

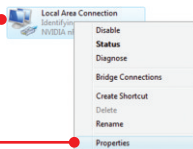
Thank you for choosing TRENDnet

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-436BRM's web configuration page?

1. Check your hardware settings again by following the instructions in Section 2.
2. Make sure the Power, LAN and WLAN lights are lit.
3. Make sure your TCP/IP settings are set to **Obtain an IP address automatically** (see the steps below).

Windows Vista

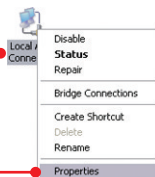
1. Go into the **Control Panel**, click **Network and Internet**, click **Network and Sharing Center**, click **Manage Network Connections** and then right-click the **Local Area Connection** icon and then click **Properties**.



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

Windows XP/2000

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**.

4. Reset the TEW-436BRM. To reset the TEW-436BRM, take a pin or paperclip and press the reset button on the back of the Wireless Modem for 15 seconds. Then let go.

The Modem does not auto-detect my DSL connection. What should I do?

1. Verify that your DSL account is activated.
2. Make sure all the cables are properly connected (see Section 2).
3. In Section 3, select manual selection in the Setup Wizard and configure the Modem based on information provided by your ISP.

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

1. Double check that the Wireless LED on the Modem is lit. If the Wireless LED is not lit, press the **WIRELESS ON/OFF** button on the back of the Modem.
2. Power cycle the Modem. Unplug the power to the Modem. Wait 15 seconds, then plug the power back in.
3. Contact the manufacturer of your wireless network adapter. Make sure the wireless network adapter is configured with the proper SSID. The default SSID of the TEW-436BRM is **TRENDnet436**. If you have enabled any encryption on the Wireless Modem, make sure to configure the wireless network adapter with the same encryption key.

I forgot my login password. What should I do?

Take a pin or paperclip and press the reset button on the back of the Wireless Modem for 15 seconds. Then let go.

This will return all settings to factory default. The default user name and password is admin.

If you still encounter problems or have any questions regarding the **TEW-436BRM**, 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:

TRENDware International, Inc.

Company Address:

20675 Manhattan Place

Torrance, CA 90501

USA

Product Information:

Product Description:

54Mbps Wireless G ADSL 2/2+ Modem Router

Model Number:

TEW-436BRM

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 V1.3.2: 04-2008

EN 50385: 2002

EN 60950-1: 2006

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.

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

Sonny Su

Name (Full Name)

October 8, 2009

Date

Director of Technology

Position / Title

Legal Signature

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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 your 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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