User's Guide

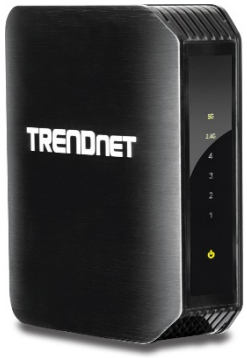
TRENDnet®

AC1200 Dual Band Wireless Media Bridge

TEW-800MB

Table of Contents

Product Overview



TEW-800MB v1.0R

Package Contents

In addition to your media bridge, the package includes:

- CD-ROM (Quick Installation and User's Guide)
- Multi-Language Quick Installation Guide
- Network cable/Ethernet Cable (1.5m / 5ft.)
- Power Adapter (12V, 2A)

If any package contents are missing or damaged, please contact the retail store, online retailer, or reseller/distributor from which the product was purchased.

Features

The AC1200 Dual Band Wireless Media Bridge, model TEW-800MB, connects up to four devices around your entertainment center to a revolutionary Wireless AC network. Connect a network enabled TV, media player, gaming console, and receiver to the Gigabit ports. Wireless AC easily handles multiple HD streams simultaneously.

Ease of Use

One Touch Connection

Securely connect to a router at the touch of the Wi-Fi Protected Setup (WPS) button

Security

Encrypted Wireless

Wireless encryption up to WPA2

Performance

Next Generation Wireless AC**

802.11ac* provides uninterrupted HD video streaming in a busy connected home

Dual Band

Connect to an 867 Mbps Wireless AC or a 300 Mbps Wireless N network

Gigabit Ports

Connect devices to the four Gigabit ports

Backward Compatible

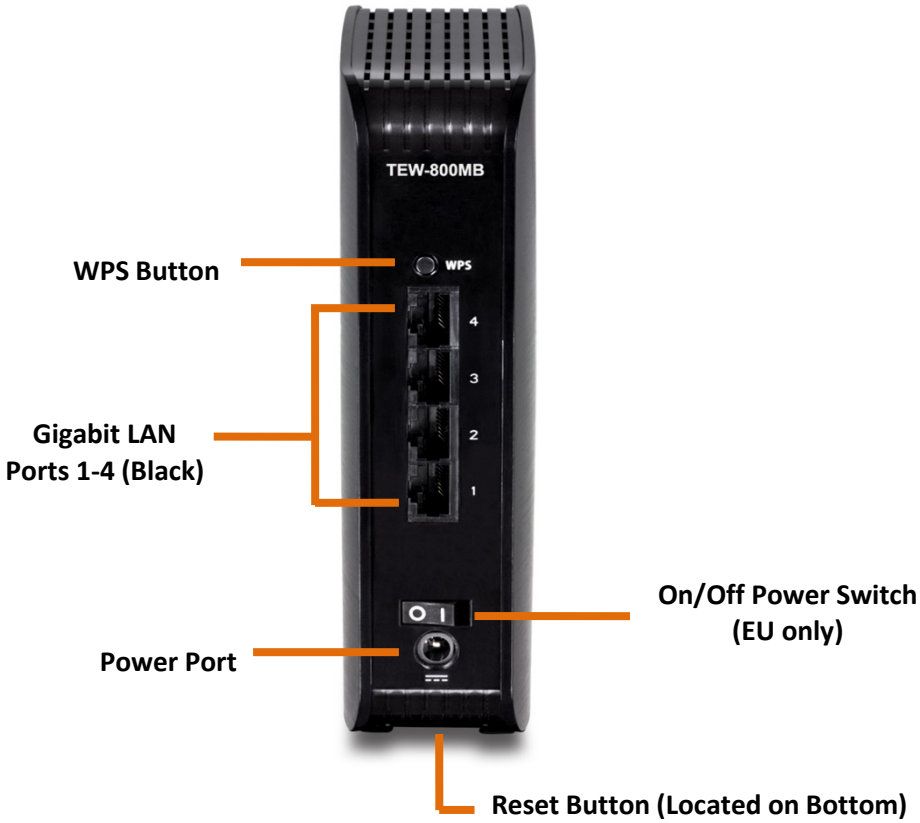
Compatible with older Wireless G devices

*For maximum performance of up to 867 Mbps use with a 867 Mbps 802.11ac wireless router

**Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions

Product Hardware Features

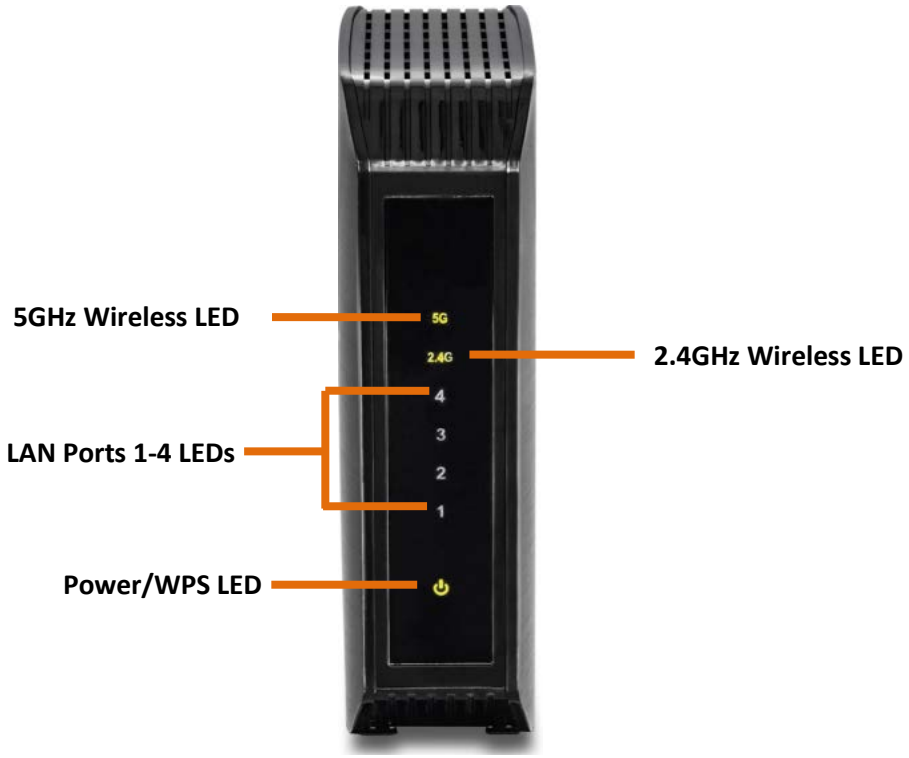
Rear View



- **WPS Button (Wi-Fi Protected Setup)*** – Push and hold this button for 5 seconds to activate WPS. The Power LED will blink when WPS is activated.
- **Gigabit LAN Ports 1-4** – Connect Ethernet cables (also called network cables) from your media bridge's LAN ports to your wired network devices.
- **Power Port** – Connect the included power adapter to your media bridge's power port and then to an available power outlet.
- **On/Off Power Switch (EU Only)** – Push the media bridge's On/Off power switch to turn your media bridge "On" (Inner position) or "Off" (Outer position).
- **Reset Button (Located on Bottom) –** Press and hold this button for 10 seconds to reset the media bridge.

*In WPS mode, the TEW-800MB may connect to your router on the default 2.4GHz band. Please refer to the **Manual** setting of the **Basic Wireless Setting** section, for the 5GHz band choice.

Front View



5GHz Wireless (Link/Activity) LED: The indicator will turn solid green when 5GHz wireless is enabled on your media bridge. The indicator will blink when data is transmitted or received from 5GHz wireless devices connected to your media bridge.

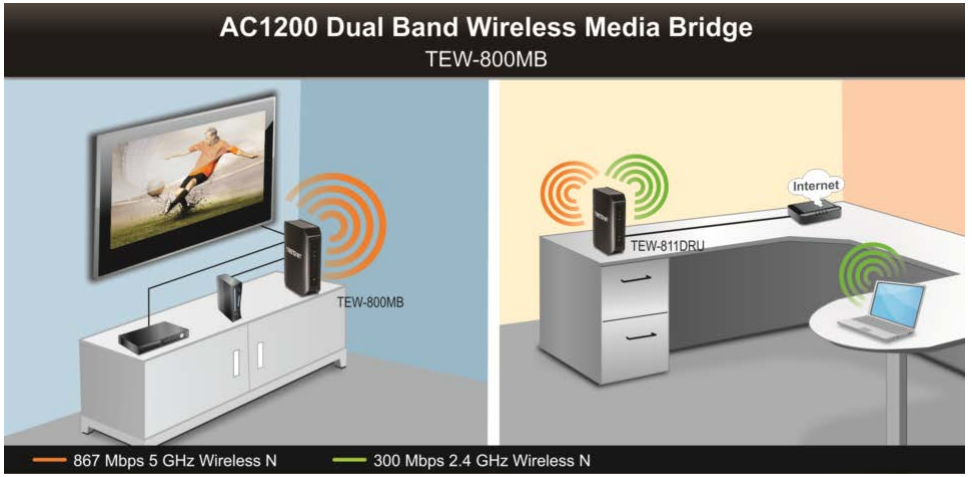
2.4GHz Wireless (Link/Activity) LED: The indicator will turn solid green when 2.4GHz wireless is enabled on your media bridge. The indicator will blink when data is transmitted or received from 2.4GHz wireless devices connected to your media bridge.

LAN Ports 1-4 (Link/Activity) LED: These LED indicators will turn solid green when Gigabit LAN ports 1-4 (Black) are physically connected to your wired network devices (which are turned on) with a network or Ethernet cable. These LED 1 2 3 4 indicators will blink green while data is transmitted or received through your media bridge's Gigabit LAN ports.

Power/WPS LED: The indicator will turn solid green when your media bridge is powered on. Otherwise if this LED indicator is off, there is no power to your media bridge. The indicator will also blink when WPS is activated. The LED will stop blinking and will remain solid green once the WPS process is completed.

Basic Media Bridge and Router Setup

Application Diagram



The media bridge is connected by Ethernet or network cable with your client devices such as your TV, DVD player, or game console; connected wirelessly with your router either on the 2.4GHz (default) or 5GHz band.

The router is installed near the modem (typically supplied by your ISP "Internet Service Provider") and is physically connected via Ethernet or network cable from the router's Internet port to the modem's network port. 2.4GHz wireless signals are broadcasted from the router to wireless clients such as laptops (with wireless capability) and the less congested 5GHz wireless signals are broadcasted from the router to other wireless client devices such as the media bridge, TEW-800MB, which connects with your TV, game console, or DVD player, thereby providing Internet access for all network ready devices.

Getting Started

Installation and Login

Note: Do not connect/install the TEW-800MB to your network until instructed to do so. Make sure your network adapter settings on PC are set to obtain an IP address automatically and the computer name is not a member of domain but workgroup*, or refer to the Troubleshooting section.

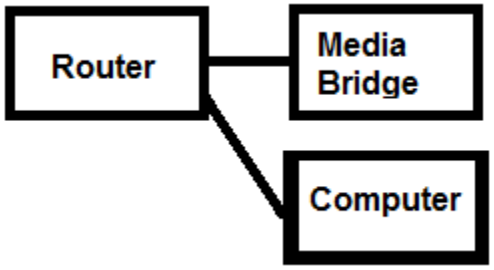
Make sure your computer name is a member of a workgroup, not a member of a domain. Under Windows 7, go to the **Control Panel, then **System**, then **Change Settings**; under the **computer name** tab of the **system properties**, select **Change** in order to set the computer name between the **Domain** and the **Workgroup**. In case your **computer name** is already under a domain name - In order to have the **Computer Name/Domain Changes**, you will have to enter the name and password of an account with permission to remove the computer from the domain. If you have issues doing so, please consult the IT person who made the domain name settings on your computer.*

1. As illustrated above, connect one end of the provided RJ-45 network cable to one of the TEW-800MB's network ports. Connect the other end of the cable to your computer's network port**; move on to the next step.

   ***Other options (make sure all devices are powered on and network cables are connected correctly):*

   a. *Have one network (LAN) port from the router connect with the media bridge; have one network port from the media bridge connect with the computer.*

   b. *Have one network port from the media bridge and one network port from the computer connect with network (LAN) ports on the router respectively.*



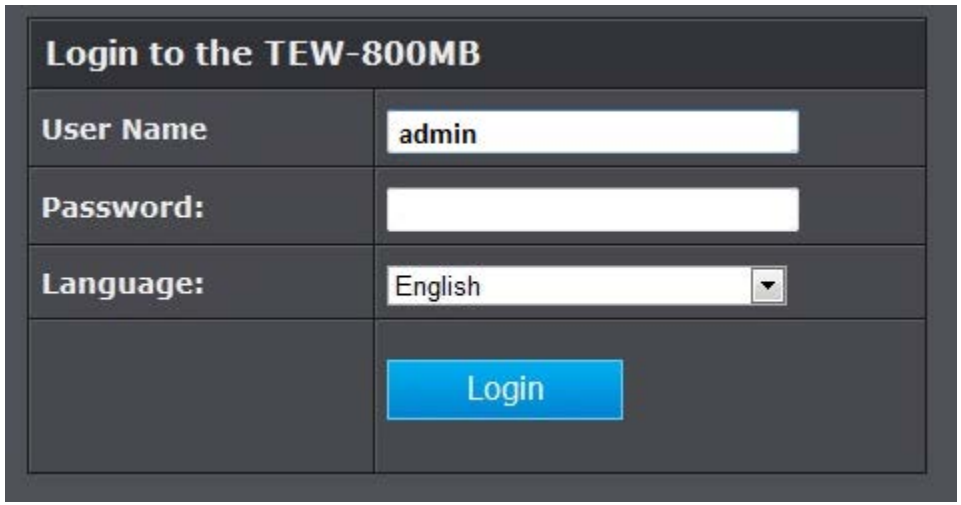
2. Connect the Power Adapter to the TEW-800MB and then to a power outlet (EU versions will have a power button on the back. Push the power button to the "On" position.). Wait 30 seconds for the TEW-800MB to boot up.

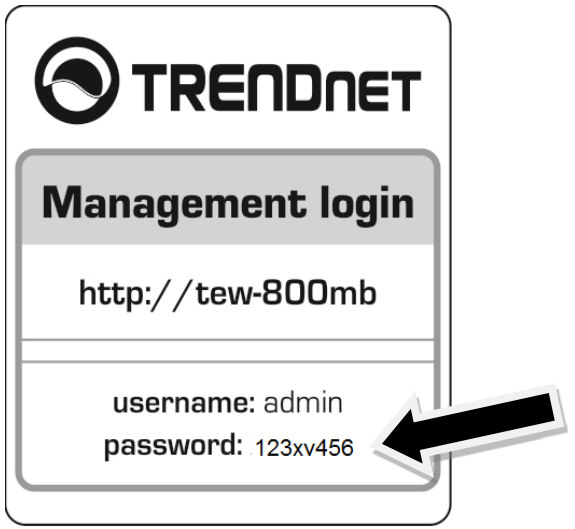
3. Plug in the power adapter and verify the Power & LAN port LEDs are lit.

4. Open your web browser and enter http://TEW-800MB/ or http://192.168.10.110/ into the address bar to access the wizard and configuration menu whenever you require.

5. Enter your User Name and Password, select your preferred language, and then click Login. You can find the unique password on a sticker on the front of TEW-800MB and on the label on the bottom of TEW-800MB.

User Name: admin
Password: XXXXXXXX
Note: User name and Password are case sensitive.

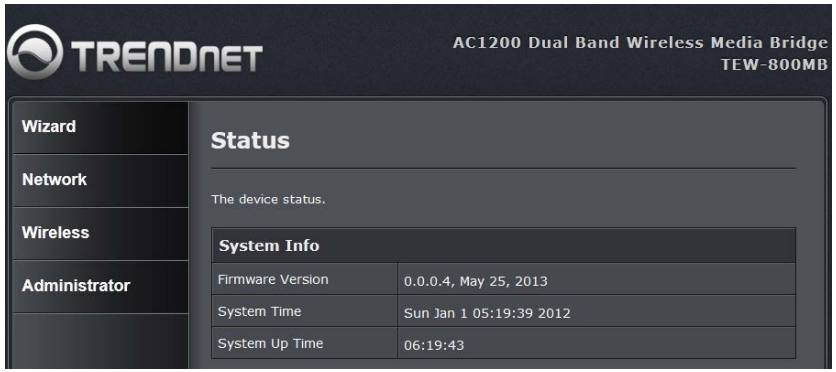




Access to the Management Interface

The wizard will automatically appear after you successfully log in. If you wish not to continue with the wizard and access to the management interface directly, click **Cancel**.

Then, the management interface will appear.



Using the Wizard

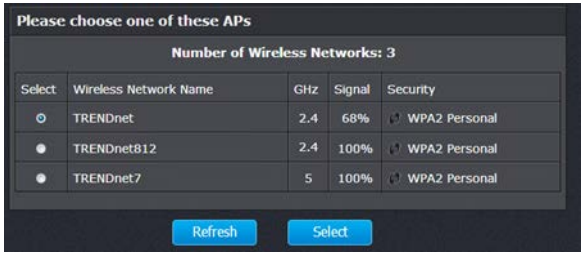
The Wizard will automatically appear after you successfully log in. Click **Wizard** if the Wizard does not automatically appear.

Click **Next**

Select Manual Setup and then click **Next**.

Click **Scan**

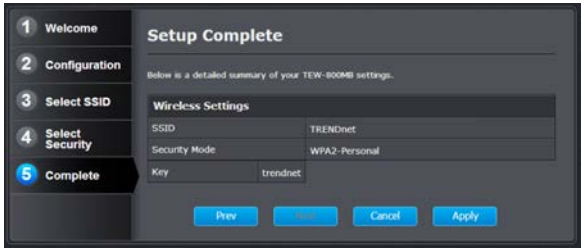
Select the Wireless Network Name for your wireless network and then click **Select**.



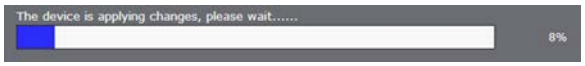
1. Click **Next**

Select the security mode on your router; then enter your router's Passphrase/Password and click **Next**.

2. Click **Apply**



3. Click **OK** and wait while changes are being applied. Setup is complete. Place the TEW-800MB in your desired location. Please refer to the "Steps to improve wireless connectivity" section on page 18 for your location placement.



After the connection between the TEW-800MB and your router is successful, the IP address of the TEW-800MB will change to a different IP from the default, 192.168.10.110. To find out the IP assigned to the TEW-800MB from your router, please check the DHCP client (device) list on your router and then type in the assigned IP of the media bridge from your router in the browser to access to the management interface of the media bridge. You may type in the http://tew-800mb in your browser to access to the management interface of the media bridge.

Wi-Fi Protected Setup (WPS)

1. Power up the TEW-800MB (On/Off power switch, EU only); wait until the power LED on the front of the unit lights up.

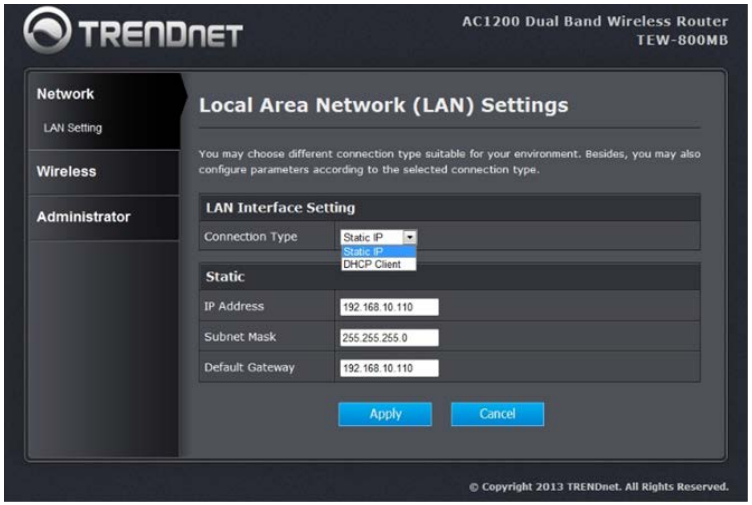
Press the WPS button on your router for 5 sec, then the WPS button on the TEW-800MB for another 5 sec.

2. The power button will start blinking. Installation is complete when the power LED turns solid green. Note: With the WPS installation method, the TEW-800MB adopts your router's password settings and wireless encryption.

   In WPS mode, the TEW-800MB may connect to your router on the default 2.4GHz band. Please refer to the **Manual** setting of the **Basic Wireless Setting** section for the 5GHz band choice.

Network

LAN Setting



LAN Connection Type

Choose "Static IP (fixed IP)" if your router does not support DHCP or if for any other reason you need to assign a fixed address to the media bridge. In this case, you must also configure the following fields.

IP Address

It's the IP address of this Media Bridge on the local area network. Assign any unused IP address in the range of IP addresses available from your network. For example, 192.168.10.110 is the default. If you chose the DHCP client setting: After the connection between the TEW-800MB and your router is successful, the IP address of the TEW-800MB will change to a different IP from the default, 192.168.10.110. To find out the IP assigned to the TEW-800MB from your router, please check the DHCP client (device) list on your router and then type in the assigned IP of the media bridge from your router in the browser to access to the management interface of the media bridge. You may type in the http://tew-800mb in your browser to access to the management interface of the media bridge.

Subnet Mask

The subnet mask of the local area network; it should be the same as your router has.

Default Gateway

The IP address of the router on the local area network.

Wireless

Basic Wireless Setting

You can choose Wi-Fi Protected Setup™ (WPS) or Manual setup.

In WPS mode, the TEW-800MB may connect to your router on the default 2.4GHz band.

Under Manual setup, you can choose a 2.4GHz or 5GHz Wi-Fi connection by entering the SSID and security key of your router, then click **Save Settings**.

2.4 GHz 802.11 B/G/N mixed mode

This wireless mode works in the 2.4GHz frequency range and will only allow the use of wireless B/G/N client devices to connect and access the TEW-800MB, at 11Mbps for wireless B, 54Mbps for wireless G, and up to 150Mbps transmitting/300Mbps receiving for wireless N.

5GHz 802.11 A/N/AC** mixed mode

This wireless mode allows the TEW-8000MB to connect only to devices on the 5GHz wireless frequency. The highest data rate supported in this mode is 867Mbps*. However, the wireless router or access point will need to have a similar 867Mbps feature.

*For maximum performance of up to 867 Mbps use with an 867 Mbps 802.11ac wireless router.

**Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions

Under Wi-Fi Protected Setup™ (WPS), you can choose the PBC (Push Button Configuration) or PIN settings.

In WPS mode, the TEW-800MB may connect to your router on the default 2.4GHz band. Please refer to the **Manual** setting of the **Basic Wireless Setting** section, for the 5GHz band choice.

Connecting with WPS

WPS (Wi-Fi Protected Setup) is a feature that makes it easy to connect devices to your wireless network. If your wireless devices support WPS, you can use this feature to easily add wireless devices to your network.

Note: You will not be able to use WPS if your router's SSID Broadcast setting is disabled or if you are using WEP security.

There are two methods the WPS feature can easily connect your wireless devices to your network.

- Push Button Configuration (PBC) method
  - (RECOMMENDED) Hardware Push Button method – with external WPS buttons located on your router and on your media bridge
  - WPS Software/Virtual Push Button - located in the media bridge's management page

- PIN (Personal Identification Number) Method - located in the media bridge's management page

  Note: Refer to your wireless device documentation for details on the operation of WPS.

Recommended Hardware Push Button (PBC) Method

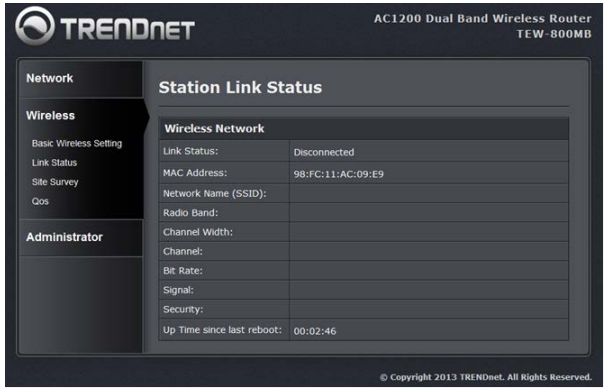
- Note: It is recommended that a wireless key (passphrase or password) is created before connecting clients using the PBC method. If no wireless key is defined when connecting via PBC, the router will automatically create an encryption key that is 64 characters long. This 64 character key will then have to be used if you have to connect computers to the router using the traditional connection method.

To add a wireless device to your network, simply push the WPS button on the wireless device you are connecting (consult client device User's Guide for length of time), then push and hold the WPS button located on your router for 5 seconds and release it. A blue LED on your router WPS button will flash indicating that the WPS setup process has been activated on your router. (See "Product Hardware Features" on page 5)

For connecting additional WPS supported devices, repeat this process for each additional device.

Link Status

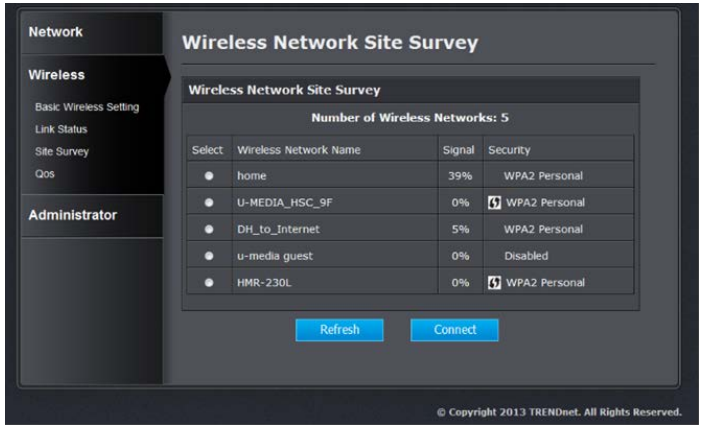
The Status page shows the settings and current operation status of the Station.



Site Survey

Use the Site Survey tool to search for wireless networks around the TEW-800MB bridge. Click on the **Scan** button to search for wireless network to join.

Click **Refresh** to search for the wireless networks around; then select the wireless network in your choice; then click **Connect.**



Enter the passphrase in your selected wireless network; click **Connect.**

QoS, Quality of Service

WMM Support Enable / Disable

WMM® Quality of Service (QoS) technology prioritizes gaming, Internet calls, and video streams.

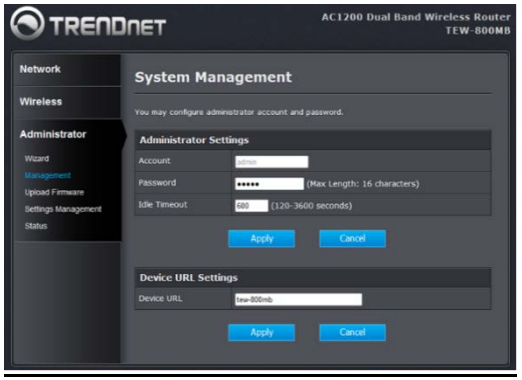
No Acknowledgement Enable / Disable

To turn off the prioritization of ACK packets

Administrator

System Management

You can configure the administrator password. The device URL (host name) can be entered in place of the IP address you choose and the default is http://192.168.10.110 or http://tew-800mb/ , to access this device.



Upload Firmware

Navigate to the folder on your computer where the unzipped firmware file (.bin) is located and select it for firmware upgrade.

Click **Apply.** If prompted, click Yes or OK to start the firmware upgrading process.

Settings Management

You can save system settings by exporting them, as a backup, to a configuration file; restore them by importing the file, or reset them to factory default.

Export Settings

This option allows you to export and then save the media bridge's configuration to a file on your computer as a backup. Be sure to save the configuration before performing a firmware upgrade.

Import Settings

Use this option to restore previously saved media bridge configuration settings.

Load Factory Defaults

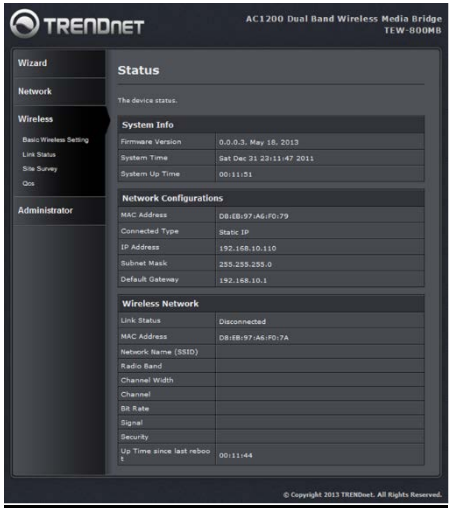
This option restores all configuration settings back to the settings that were in effect at the time the media bridge was shipped from the factory. Any settings that have not been saved will be lost. If you want to save your media bridge configuration settings, use the Export Settings option above.

System Reboot

This restarts the media bridge. It is useful for restarting when you are not near the device.

Status

You can check system information and network configurations on this page.



Wireless Networking and Security

How to choose the type of security for your wireless network

Setting up wireless security is very important. Leaving your wireless network open and unsecure could expose your entire network and personal files to outsiders. TRENDnet recommends reading through this entire section and setting up wireless security on your router and the media bridge.

There are a few different wireless security types supported in wireless networking each having its own characteristics which may be more suitable for your wireless network taking into consideration compatibility, performance, as well as the security strength along with using older wireless networking hardware (also called legacy hardware).

It is strongly recommended to enable wireless security to prevent unwanted users from accessing your network and network resources (personal documents, media, etc.).

In general, it is recommended that you choose the security type with the highest strength and performance supported by the wireless computers and devices in your network. Please review the security types to determine which one you should use for your network.

Wireless Encryption Types

- **WEP:** Legacy encryption method supported by older 802.11b/g hardware. This is the oldest and least secure type of wireless encryption. It is generally not recommended to use this encryption standard, however if you have old 802.11 b or 802.11g wireless adapters or computers with old embedded wireless cards(wireless clients), you may have to set your router to WEP to allow the old adapters to connect to the router.
  Note: *This encryption standard will limit connection speeds to 54Mbps.*
- **WPA:** This encryption is significantly more robust than the WEP technology. Much of the older 802.11g hardware was been upgraded (with firmware/driver upgrades) to support this encryption standard. Total wireless speeds under this encryption type however are limited to 54Mbps.
  - **WPA-**Auto: This setting provides the router with the ability to detect wireless devices using either WPA or WPA2 encryption. Your wireless network will automatically change the encryption setting based on the first wireless device connected. For example, if the first wireless client that connects to your wireless network uses WPA encryption your wireless network will use WPA encryption. Only when all wireless clients disconnect to the network and a wireless client with WPA2 encryption connects your wireless network will then change to WPA2 encryption.
  Note: *WPA2 encryption supports 802.11n speeds and WPA encryption will limit your connection speeds to 54Mbps*
- **WPA2:** This is the most secure wireless encryption available today, similar to WPA encryption but more robust. This encryption standard also supports the highest connection speeds. TRENDnet recommends setting your router to this encryption standard. If you find that one of your wireless network devices does not support WPA2 encryption, then set your router to either WPA or WPA-Auto encryption.
  Note: *Check the specifications of your wireless network adapters and wireless appliances to verify the highest level of encryption supported.* Below is brief comparison chart of the wireless security types and the recommended configuration depending on which type you choose for your wireless network.

Security Standard	WEP	WPA	WPA2
Compatible Wireless Standards	IEEE 802.11a/b/g (802.11n devices will operate at 802.11g to connect using this standard)	IEEE 802.11a/b/g (802.11n devices will operate at 802.11g to connect using this standard)	IEEE 802.11a/b/g/n
Highest Performance Under This Setting	**Up to 54Mbps**	**Up to 54Mbps**	**Up to 450Mbps (11n) and up to 1.3Gbps (11ac)***
Encryption Strength	Low	Medium	High
Additional Options	Open System or Shared Key, HEX or ASCII, Different key sizes	TKIP or AES, Preshared Key or RADIUS	TKIP or AES, Preshared Key or RADIUS
Recommended Configuration	Open System ASCII 13 characters	TKIP Preshared Key 8-63 characters	AES Preshared Key 8-63 characters

*Dependent on the maximum 802.11n/ac data rate supported by the device (150Mbps, 300Mbps, 450Mbps, 867Mbps, or 1.3Gbps)

Secure your wireless network

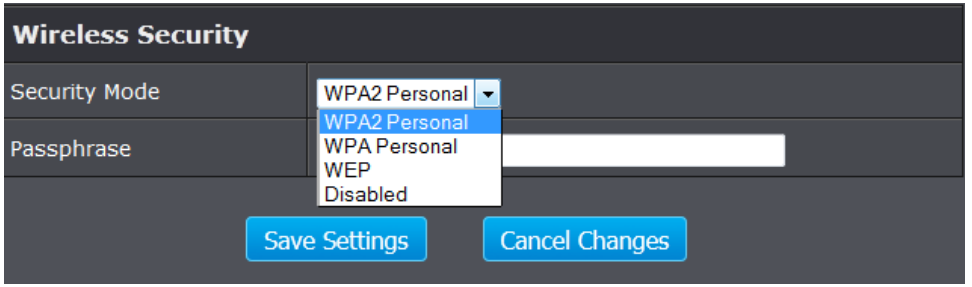
Wireless (2.4GHz or 5GHz)> Basic Wireless Settings> Wireless Security

After you have determined which security type to use for your wireless network (see "How to choose the security type for your wireless network" on page 15), you can set up wireless security.

1. Log into your router management page (see "Installation and Login" on page 6).

2. Click on the wireless band **Wireless (2.4GHz** or **5GHz*)* you would like to configure.

3. Click on the **Security Mode** drop-down list to select your wireless security type.

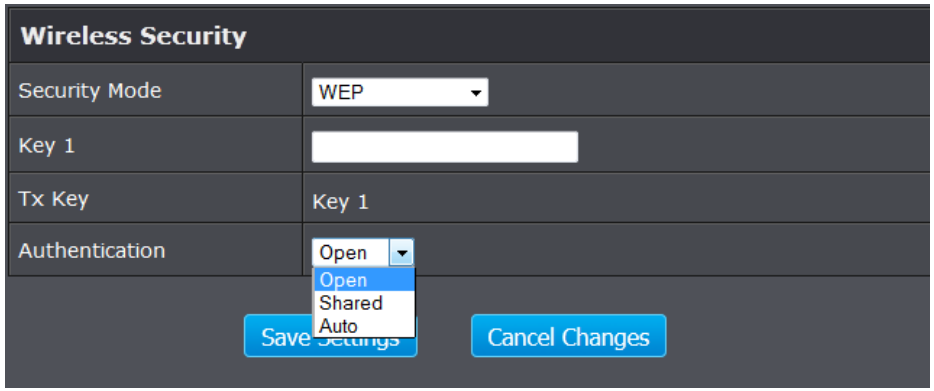


Selecting WEP-OPEN, WEP-SHARED:

If selecting **WEP** (Wired Equivalent Privacy), please review the WEP settings to configure and click **Apply** to save the changes.

Note: *WPS functionality is not available when using WEP.*

In the **Security Mode** drop-down list, select **WEP-OPEN** or **WEP-SHARED**.
Note: *It is recommended to use WEP-OPEN because it is known to be more secure than Shared Key.*



- **Current Network Key** - You can define 1 key.
  - **Network Key 1**
    - This is where you enter the WEP key needed for a computer to connect to the router wirelessly
    - You can define 1 passwords or 1 key.
    - When connecting to the router, the TEW-800MB must match both the password and the Key number.

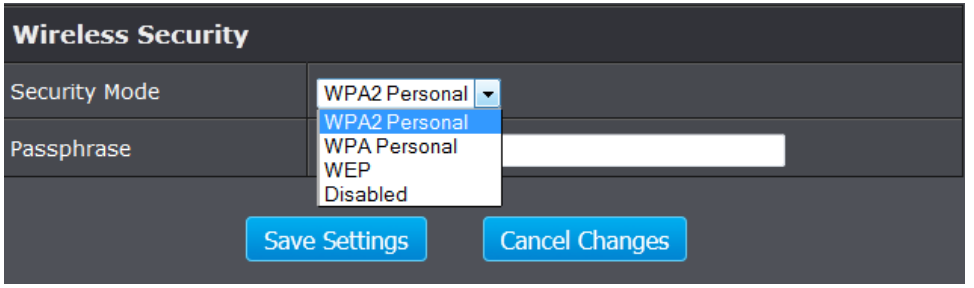
WEP Key Format	HEX	ASCII
Character set	0-9 & A-F, a-f only	Alphanumeric (a,b,C,?,*, /,1,2, etc.)
64-bit key length	10 characters	5 characters
128-bit key length	26 characters	13 characters

Note: *It is recommended to use 128-bit format because it is more secure to use a key that consists of more characters.*

- **Click here to display** - Typically, the password characters are masked for security purposes. This link displays actual characters of the currently assigned password for your reference.

Selecting WPA-Personal, or WPA2-Personal (WPA2-Personal recommended):
In the **Security Mode** drop-down list, make selection and enter passphrase.

- **WPA passphrase:** Enter the passphrase.
  - This is the password or key that is used to connect your computer to the router wirelessly; now you have the TEW-800MB connect to your router as wireless client.
    Note: *8-63 alphanumeric characters (a,b,C,?,*, /,1,2, etc.)*



Connect devices to your Media Bridge

A variety of network devices can connect to your wireless network such as:

- Gaming Consoles
- Internet enabled TVs
- Network media players
- IP cameras

Each device may have its own software utility for searching and connecting to available wireless networks, therefore, you must refer to the User's Manual/Guide of your client device to determine how to search and connect to this router's wireless network.

Steps to improve wireless connectivity

There are a number of factors that can impact the range of wireless devices. Follow these tips to help improve your wireless connectivity:

1. Keep the number of obstructions to a minimum. Each obstruction can reduce the range of a wireless device. Position the wireless devices, the router and the media bridge, in a manner that will minimize the amount of obstructions between them.
    a. For the widest coverage area, install your router near the center of your home, and near the ceiling, if possible.
    b. Avoid placing the router or the media bridge on or near metal objects (such as file cabinets and metal furniture), reflective surfaces (such as glass or mirrors), and masonry walls.
    c. Any obstruction can weaken the wireless signal (even non-metallic objects), so the fewer obstructions between the router and the media bridge, the better.
    d. Place the router or the media bridge in a location away from other electronics, motors, and fluorescent lighting.
    e. Many environmental variables can affect the router and the media bridge's performance, so if your wireless signal is weak, place the router and the media bridge in several locations and test the signal strength to determine the ideal position.
2. 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.

3. Antenna orientation can also have a large impact on your wireless signal. Use the wireless adapter or the media bridge's site survey tool to determine the best antenna orientation for your wireless devices.

4. 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, radios and baby monitors.

If possible, upgrade wireless network interfaces (such as wireless cards in computers) from older wireless standards to 802.11n or 802.11ac. If a wirelessly networked device uses an older standard, the performance of the entire wireless network may be slower. If you are still experiencing low or no signal consider repositioning the wireless devices, installing additional access points or wireless extenders.

Media Bridge Maintenance & Monitoring

Reset your Media Bridge to factory defaults

Administrator > Settings Management

You may want to reset your media bridge to factory defaults if you are encountering difficulties with your router and have attempted all other troubleshooting. Before you reset your media bridge to defaults, if possible, you should backup your media bridge configuration first; restore configuration after firm upgrade or reset, see "Backup and restore your media bridge configuration settings" on page 20.

There are two methods that can be used to reset your media bridge to factory defaults.

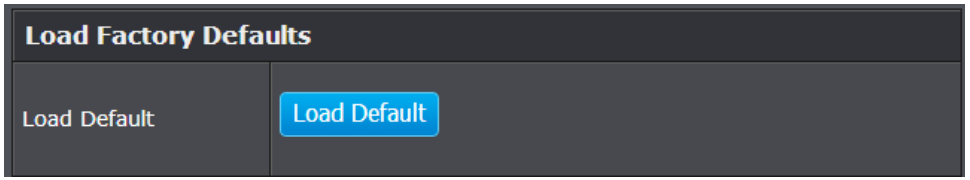
- **Reset Button** – Located on the bottom panel of your media bridge, see "Product Hardware Features" on page 4. Use this method if you are encountering difficulties with accessing your router management page.

  OR

- **Settings Management Page**

1. Log into your media bridge management page (see "Installation and Login" on page 6).

2. Click on **Administrator** and click on **Settings Management**.



3. Under **Load Factory Default**, click **Load Default**. When prompted to confirm this action, click **OK**.

4. To restore your media bridge configuration: refer to the next page.

Media Bridge Default Settings

Administrator User Name	admin
Administrator Password	Please refer sticker or device label
Media Bridge IP Address	192.168.10.110
Subnet Mask	255.255.255.0
Wireless 2.4GHz	Enabled
Wireless 5Ghz	Disabled
WPS default	Wireless 2.4GHz

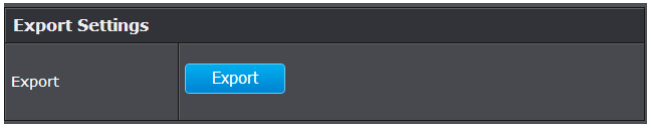
Backup and restore your media bridge configuration settings

Administrator > Settings Management

You may have added many customized settings to your router and in the case that you need to reset your media bridge to default, all your customized settings would be lost and would require you to manually reconfigure all of your router settings instead of simply restoring from a backed up media bridge configuration file.

To backup your media bridge configuration:

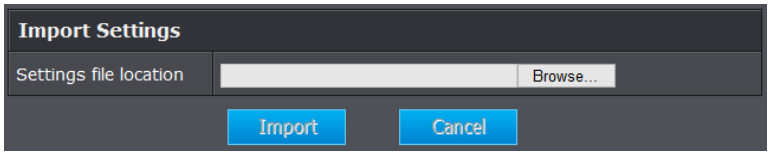
1. Log into your media bridge management page (see "Installation and Login" on page 6).
2. Click on **Administrator** and click on **Settings Management**.



3. Under **Export Settings** section, click **Export**.
4. Depending on your web browser settings, you may be prompted to save a file (specify the location) or the file may be downloaded automatically to the web browser settings default download folder. (Default Filename: *.cfg)*

To restore your media bridge configuration:

1. Log into your media bridge management page (see "Installation and Login" on page 6).
2. Click on **Administrator** and click on **Settings Management**.



3. Under **Import Settings**, next to **Settings file location**, depending on your web browser, click on **Browse** or **Choose File**.
4. A separate file navigation window should open.
5. Select the router configuration file to restore and click **Import**. (Default Filename: *.cfg*). If prompted, click **Yes** or **OK**.

6. Wait for the media bridge to restore settings.

Reboot your media bridge

Administrator > Settings Management

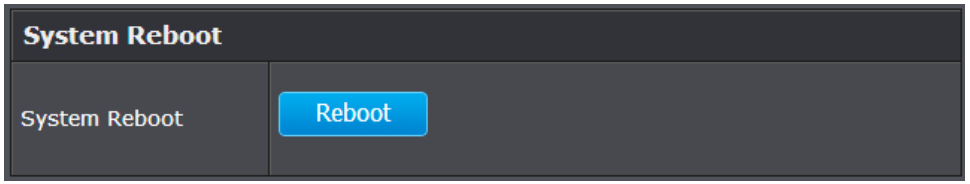
You may want to restart your router if you are encountering difficulties with your router and have attempted all other troubleshooting.

There are two methods that can be used to restart your media bridge.

- **Turn the media bridge** off for 10 seconds using the media bridge On/Off switch (EU version only) located on the rear panel of your media bridge or disconnecting the power port, **see** "Product Hardware Features" on page 5.
  Use this method if you are encountering difficulties with accessing your media bridge management page. This is also known as a hard reboot or power cycle.
  OR
- **Media bridge, Settings Management Page** – This is also known as a soft reboot or restart.

1. Log into your router management page (see "Installation and Login" on page 6).

2. Click on **Administrator** and click on **Settings Management**.



3. Under **System Reboot** section, click **Reboot**.

Media Bridge Management Page Structure

Wizard

- Welcome
- Configuration
  - Manual Setup
    - Select SSID
    - Select Security
  - Wi-Fi Protected Setup™
    - PBC, Push Button Configuration
    - PIN
- Complete

Network

- LAN (Local Area Network) Setting
  - LAN Interface Setting
    - DHCP Client
    - Static IP
  - DHCP Setting

Wireless

- Basic Wireless Setting
  - Manual
    - Wireless Network
      - 2.4GHz
      - 5GHz
      - Network Name, SSID
    - Wireless Security
  - Wi-Fi Protected Setup™**
    - PBC, Push Button Configuration
    - PIN
- Link Status
- Site Survey
- QoS, Quality of Service

Administrator

- Management
  - Administrator Settings
  - Device URL settings
- Upload Firmware
- Settings Management
  - Export Settings
  - Import settings
  - Load Factory Default
  - System Reboot
- Status

** In the WPS mode, the TEW-800MB may connect to your router on the default 2.4GHz band. Please refer to the **Manual** setting of the **Basic Wireless Setting** section, for the 5GHz band choice.

Technical Specifications

Hardware	
Standards	Wired: IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX), IEEE 802.3ab (1000Base-T) Wireless: IEEE 802.11ac (draft 2.0), IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, 802.11a
LAN	4 x 10/100/1000 Mbps Auto-MDIX
WPS Button	Wi-Fi Protected Setup (WPS) connects with other WPS compliant devices
Reset Button	Reset unit back to factory default (press and hold for 10 seconds)
Quality of Service	WMM
Connection Type	Dynamic IP, Static (fixed) IP, IPv6 pass-thru
Management / Monitoring	Web-based configuration, firmware upgrade, backup / restore configuration via web browser, reboot through web GUI, access device thru URL, web based setup wizard
Web Browser support	Internet Explorer7.0 or above, Firefox 2.0 or above, Chrome, Opera, Safari
LED Indicator	Power/WPS, LAN 1-4, 2.4 GHz Wireless, 5 GHz Wireless
Power Adapter	Input: 100 ~ 240 V, 50~60 Hz, 0.8 A Output: 12 V DC, 2 A external power adapter
Power Consumption	12 watts (max.)
Dimension (L x W x H)	45 x 120 x 164 mm (1.8 x 4.7 x 6.5 in)
Weight	295 g (10.4 oz)
Temperature	Operation: 0°~ 40°C (32°F~ 104°F) Storage: -20°~ 60°C (-4°F~140 °F)
Humidity	Max. 85% (non-condensing)
Certifications	CE, FCC
Wireless	
Frequency	2.4 GHz: 2.412~2.462 (FCC) and 2.412~2.472 (ETSI) 5 GHz: 5.180 ~ 5.240 / 5.745~5.825 GHz (FCC) and 5.180 ~ 5.240 GHz (ETSI)
Antenna	2 internal antenna; 4 path
	2.4 GHz: 2 x 2 dBi PIFA internal 5 GHz: 2 x 2 dBi PIFA internal
Modulation	CCK, DQPSK, DBPSK, OFDM, BPSK, QPSK, 16/64/256-QAM
Data Rate	802.11a: up to 54 Mbps 802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 300 Mbps (for both 2.4 & 5 GHz) 802.11ac: up to 867 Mbps
Security	64/128-bit WEP (for 11g/b), WPA/WPA2-PSK, WPS: support PIN and PBC
Output Power	802.11a: 20 dBm (max.) (FCC) & 17 dBm (max.) (CE) @ HT40 802.11b: 18 dBm (max.) @ CCK 802.11g: 17 dBm (max.) @ HT40 802.11n (2.4GHz): 17 dBm (max.) @ HT40 802.11n (5GHz): 20 dBm (max.) (FCC) & 17 dBm (max.) (CE) @ HT40 802.11ac: 20 dBm (max.) (FCC) & 18 dBm (max.) (CE) @ VHT80
Receiving Sensitivity	802.11a: -68 dBm (typical) @ 54 Mbps 802.11b: -84 dBm (typical) @ 11 Mpbs 802.11g: -72 dBm (typical) @ 54 Mbps 802.11n: -68 dBm (typical) @ 300 Mbps (for 2.4 & 5 GHz) 802.11ac: -55 dBm (typical) @ 867 Mbps
Channels	2.4 GHz: 1~11 (FCC), 1~13 (ETSI) 5 GHz: 36, 40, 44, 48, 149, 153, 157, 161, 165 (FCC) 36, 40, 44, 48 (ETSI)

*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.

Troubleshooting

Q: I typed http://192.168.10.110 or http://tew-800mb in my Internet Browser Address Bar, but an error message says "The page cannot be displayed." How can I access the media bridge management page?
Answer:

1. Check your hardware settings again. See "Installation and Login" on page 6.
2. Make sure your computer is connected to one of the media bridge's LAN ports with power on; the power and the network port lights are lit.
3. Make sure your computer network adapter TCP/IP settings are set to *Obtain an IP address automatically* or *DHCP* (see the steps below).
4. Make sure your **computer name** is a member of a **workgroup**, not a member of **domain**. Under ***Windows 7***, go to the **Control Panel,** then **System,** then **Change Settings;** under the **computer name** tab of the **system properties,** select the **Change,** in order to set the **computer name** between the **Domain** and the **Workgroup**. In case your **computer name** is already under a domain name, in order to have the **Computer Name/Domain Changes**, you will have to enter the name and password of an account with permission to remove the computer from the domain. If you have issues doing so, please consult the IT who made the domain name setting on your computer.
5. Press on the factory reset button on the bottom panel of the media bridge for 15 seconds; then release.

Windows 7

a. Go into the **Control Panel**, click **Network and Sharing Center**.
b. Click **Change Adapter Settings**, right-click the **Local Area Connection** icon.
c. Then click **Properties** and click **Internet Protocol Version 4 (TCP/IPv4)**.
d. Then click **Obtain an IP address automatically** and click **OK**.

Windows Vista

a. Go into the **Control Panel**, click **Network and Internet**.
b. Click **Manage Network Connections,** right-click the **Local Area Connection** icon and click **Properties**.
c. Click **Internet Protocol Version (TCP/IPv4)** and then click **Properties**.
d. Then click **Obtain an IP address automatically** and click **OK**.

Windows XP/2000

a. Go into the **Control Panel**, double-click the **Network Connections** icon
b. Right-click the **Local Area Connection** icon and the click **Properties**.
c. Click **Internet Protocol (TCP/IP)** and click **Properties**.
d. Then click **Obtain an IP address automatically** and click **OK**.

Note: *If you are experiencing difficulties, please contact your computer or operating system manufacturer for assistance.*

Q: The Wizard does not appear when I access the media bridge. What should I do?
Answer:

1. Click on Wizard on the left hand side.
2. Near the top of the browser, "Pop-up blocked" message may appear. Right click on the message and select Always Allow Pop-ups from This Site.
3. Disable your browser's pop up blocker.

Q: I went through the Wizard, but I cannot get onto the Internet. What should I do?
Answer:

1. Verify that you can get onto the Internet with a direct connection into your modem (meaning plug your computer directly to the modem and verify that your single computer (without the help of the router) can access the Internet).
2. 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.
3. Contact your ISP and verify all the information that you have in regards to your Internet connection settings is correct.

Q: I cannot connect wirelessly to the router. What should I do?
Answer:

1. Double check that the WLAN light on the router is lit.
2. Power cycle the router. Unplug the power to the router. Wait 15 seconds, then plug the power back in to the router.
3. Contact the manufacturer of your wireless network adapter and make sure the wireless network adapter is configured with the proper SSID.
4. To verify whether or not wireless is enabled, login to the router management page, click on *Wireless*.
5. Please see "Steps to improve wireless connectivity" on page 18 if you continue to have wireless connectivity problems.

Appendix

How to find your IP address?

Note: *Please note that although the following procedures provided to follow for your operating system on configuring your network settings can be used as general guidelines, however, it is strongly recommended that you consult your computer or operating system manufacturer directly for assistance on the proper procedure for configuring network settings.*

Command Prompt Method

Windows 2000/XP/Vista/7

1. On your keyboard, press **Windows Logo+R** keys simultaneously to bring up the Run dialog box.
2. In the dialog box, type ***cmd*** to bring up the command prompt.
3. In the command prompt, type ***ipconfig /all*** to display your IP address settings.

MAC OS X

1. Navigate to your **Applications** folder and open **Utilities**.
2. Double-click on **Terminal** to launch the command prompt.
3. In the command prompt, type ***ipconfig getifaddr <en0 or en1>*** to display the wired or wireless IP address settings.

Note: en0 *is typically the wired Ethernet and* ***en1*** *is typically the wireless Airport interface.*

Graphical Method

MAC OS 10.6/10.5

1. From the Apple menu, select **System Preferences**.
2. In System Preferences, from the **View** menu, select **Network**.
3. In the Network preference window, click a network port (e.g., Ethernet, AirPort, modem). If you are connected, you'll see your IP address settings under "Status:"

MAC OS 10.4

1. From the Apple menu, select **Location**, and then **Network Preferences**.
2. In the Network Preference window, next to "Show:", select **Network Status**. You'll see your network status and your IP address settings displayed.

Note: *If you are experiencing difficulties, please contact your computer or operating system manufacturer for assistance.*

How to configure your network settings to obtain an IP address automatically or use DHCP?

Note: *Please note that although the following procedures provided to follow for your operating system on configuring your network settings can be used as general guidelines, however, it is strongly recommended that you consult your computer or operating system manufacturer directly for assistance on the proper procedure for configuring network settings.*

Windows 7

a. Go into the **Control Panel**, click **Network and Sharing Center**.

b. Click **Change Adapter Settings**, right-click the **Local Area Connection** icon.

c. Then click **Properties** and click **Internet Protocol Version 4 (TCP/IPv4)**.

d. Then click **Obtain an IP address automatically** and click **OK**.

Windows Vista

a. Go into the **Control Panel**, click **Network and Internet**.
b. Click **Manage Network Connections,** right-click the **Local Area Connection** icon and click **Properties**.
c. Click **Internet Protocol Version (TCP/IPv4)** and then click **Properties**.
d. Then click **Obtain an IP address automatically** and click **OK**.

Windows XP/2000

a. Go into the **Control Panel**, double-click the **Network Connections** icon
b. Right-click the **Local Area Connection** icon and the click **Properties**.
c. Click **Internet Protocol (TCP/IP)** and click **Properties**.

d. Then click **Obtain an IP address automatically** and click **OK**.

MAC OS 10.4/10.5/10.6

a. From the **Apple**, drop-down list, select **System Preferences**.
b. Click the **Network** icon.
c. From the **Location** drop-down list, select **Automatic**.
d. Select and view your Ethernet connection.

In MAC OS 10.4, from the **Show** drop-down list, select **Built-in Ethernet** and select the **TCP/IP** tab.
In MAC OS 10.5/10.6, in the left column, select **Ethernet**.

e. Configure TCP/IP to use DHCP.

In MAC 10.4, from the **Configure IPv4**, drop-down list, select **Using DHCP** and click the **Apply Now** button.

In MAC 10.5, from the **Configure** drop-down list, select **Using DHCP** and click the **Apply** button.

In MAC 10.6, from the **Configure** drop-down list, select **Using DHCP** and click the **Apply** button.

f. Restart your computer.

Note: *If you are experiencing difficulties, please contact your computer or operating system manufacturer for assistance.*

How to find your MAC address?

In Windows 2000/XP/Vista/7,

Your computer MAC addresses are also displayed in this window, however, you can type ***getmac –v*** to display the MAC addresses only.

In MAC OS 10.4,

1. **Apple Menu > System Preferences > Network**
2. From the **Show** menu, select **Built-in Ethernet**.
3. On the **Ethernet** tab, the **Ethernet ID** is your MAC Address.

In MAC OS 10.5/10.6,

1. **Apple Menu > System Preferences > Network**
2. Select **Ethernet** from the list on the left.
3. Click the **Advanced** button.
3. On the **Ethernet** tab, the **Ethernet ID** is your MAC Address.

How to connect to a wireless network using the built-in Windows utility?

Note: *Please note that although the following procedures provided to follow for your operating system on configuring your network settings can be used as general guidelines, however, it is strongly recommended that you consult your computer or operating system manufacturer directly for assistance on the proper procedure for connecting to a wireless network using the built-in utility.*

Windows 7

1. Open Connect to a Network by clicking the network icon ( or ) in the notification area.

2. In the list of available wireless networks, click the wireless network you would like to connect to, then click **Connect.**

4. You may be prompted to enter a security key in order to connect to the network.

5. Enter in the security key corresponding to the wireless network, and click **OK**.

Windows Vista

1. Open Connect to a Network by clicking the **Start Button**.  and then click **Connect To.**

2. In the **Show** list, click **Wireless**.

3. In the list of available wireless networks, click the wireless network you would like to connect to, then click **Connect.**

4. You may be prompted to enter a security key in order to connect to the network.

5. Enter in the security key corresponding to the wireless network, and click **OK**.

Windows XP

1. Right-click the network icon in the notification area, then click **View Available Wireless Networks**.

2. In **Connect to a Network**, under **Available Networks**, click the wireless network you would like to connect to.

3. You may be prompted to enter a security key in order to connect to the network.

4. Enter in the security key corresponding to the wireless network, and click **Connect**.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

RoHS

This product is RoHS compliant.

Europe – EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC, 2006/95/EC and 2009/125/EC.

Regulation (EC) No. 1275/2008
Regulation (EC) No. 278/2009
EN60950-1 : 2006+A11 : 2009

Safety of Information Technology Equipment

EN 62311 : 2008

Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110MHz - 40 GHz) - General public

EN 300 328 V1.7.1 : (2006-10) Class B

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

EN 301 489-1 V1.9.2 : (2011-09)

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

EN 301 489-17 V2.2.1 : (2012-09)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for 2,4 GHz wideband transmission systems, 5 GHz high performance RLAN equipment and 5,8 GHz Broadband Data Transmitting Systems

EN 301 893 V1.6.1 : (2011-11)

Broadband Radio Access Networks (BRAN);5 GHz high performance RLAN;Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

This device is a 2.4/5G GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

cs Česky [Czech]	TRENDnet tímto prohlašuje, že tento TEW-800MB je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES, 2006/95/ES, a 2009/125/ES.
da Dansk [Danish]	Undertegnede TRENDnet erklærer herved, at følgende udstyr TEW-800MB overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF, 2006/95/EF, og 2009/125/EF.
de Deutsch [German]	Hiermit erklärt TRENDnet, dass sich das Gerät TEW-800MB in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG, 2006/95/EG und 2009/125/EG befindet.
et Eesti [Estonian]	Käesolevaga kinnitab TRENDnet seadme TEW-800MB vastavust direktiivi 1999/5/EÜ, 2006/95/EÜ ja 2009/125/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
en English	Hereby, TRENDnet, declares that this TEW-800MB is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2006/95/EC, and 2009/125/EC.
es Español [Spanish]	Por medio de la presente TRENDnet declara que el TEW-800MB cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE, 2006/95/CE, 2009/125/CE y.
el Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑTRENDnet ΔΗΛΩΝΕΙ ΟΤΙTEW-800MBΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ, 2006/95/ΕΚ, 2009/125/ΕΚ και.
fr Français [French]	Par la présente TRENDnet déclare que l'appareil TEW-800MB est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE, 2006/95/CE, 2009/125/CE et.
it Italiano[Italian]	Con la presente TRENDnet dichiara che questo TEW-800MB è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE, 2006/95/CE e 2009/125/CE.
lv Latviski [Latvian]	AršoTRENDnetdeklarē, ka TEW-800MB atbilstDirektīvas 1999/5/EK, 2006/95/EK, un 2009/125/EK būtiskajāmprasībām un citiemar to saistītajiemnoteikumiem.
lt Lietuvių [Lithuanian]	Šiuo TRENDnet deklaruoja, kad šis TEW-800MB atitinka esminius reikalavimus ir kitas 1999/5/EB, 2006/95/EB ir 2009/125/EB

	Direktyvos nuostatas.
nl Nederlands [Dutch]	Hierbij verklaart TRENDnet dat het toestel TEW-800MB in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG, 2006/95/EG, en 2009/125/EG.
mt Malti [Maltese]	Hawnhekk, TRENDnet, jiddikjara li dan TEW-800MB jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/KE, 2006/95/KE, u 2009/125/KE.
hu Magyar [Hungarian]	Alulírott, TRENDnet nyilatkozom, hogy a TEW-800MBmegfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EK irányelv, a 2006/95/EK és a 2009/125/EK irányelv egyéb elõírásainak.
pl Polski [Polish]	Niniejszym TRENDnet oświadcza, że TEW-800MB jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/WE, 2006/95/WE i 2009/125/WE.
pt Português [Portuguese]	TRENDnet declara que este TEW-800MB está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE, 2006/95/CE e 2009/125/CE.
sl Slovensko [Slovenian]	TRENDnet izjavlja, da je ta TEW-800MB v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES, 2006/95/ES in 2009/125/ES.
sk Slovensky [Slovak]	TRENDnettýmtovyhlasuje, že TEW-800MBspĺňazákladnépožiadavky a všetkypríslušnéustanoveniaSmernice 1999/5/ES, 2006/95/ES, a 2009/125/ES.
fi Suomi [Finnish]	TRENDnet vakuuttaa täten että TEW-800MB tyyppinen laite on direktiivin 1999/5/EY, 2006/95/EY ja 2009/125/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
sv Svenska [Swedish]	Härmed intygar TRENDnet att denna TEW-800MB står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG, 2006/95/EG och 2009/125/EG.

Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

TEW-800MB – 3 Years Warranty

AC/DC Power Adapter, Cooling Fan, and Power Supply carry 1 year warranty.

If a product does not operate as warranted during the applicable warranty period, TRENDnet shall reserve the right, at its expense, to repair or replace the defective product or part and deliver an equivalent product or part to the customer. The repair/replacement unit's warranty continues from the original date of purchase. All products that are replaced become the property of TRENDnet. Replacement products may be new or reconditioned. TRENDnet does not issue refunds or credit. Please contact the point-of-purchase for their return policies.

TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty.

There are no user serviceable parts inside the product. Do not remove or attempt to service the product by any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

Warranty service may be obtained by contacting TRENDnet within the applicable warranty period and providing a copy of the dated proof of the purchase. Upon proper submission of required documentation a Return Material Authorization (RMA) number will be issued. An RMA number is required in order to initiate warranty service support for all TRENDnet products. Products that are sent to TRENDnet for RMA service must have the RMA number marked on the outside of return packages and sent to TRENDnet prepaid, insured and packaged appropriately for safe shipment. Customers shipping from outside of the USA and Canada are responsible for return shipping fees. Customers shipping from outside of the USA are responsible for custom charges, including but not limited to, duty, tax, and other fees.

WARRANTIES EXCLUSIVE: IF THE TRENDNET PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT TRENDNET'S OPTION, REPAIR OR REPLACE. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TRENDNET NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION MAINTENANCE OR USE OF TRENDNET'S PRODUCTS.

TRENDNET SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLECT, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR OR MODIFY, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD.

LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW TRENDNET ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATE, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT TRENDNET'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

Governing Law: This Limited Warranty shall be governed by the laws of the state of California.

Some TRENDnet products include software code written by third party developers. These codes are subject to the GNU General Public License ("GPL") or GNU Lesser General Public License ("LGPL").

Go to http://www.trendnet.com/gpl or http://www.trendnet.com Download section and look for the desired TRENDnet product to access to the GPL Code or LGPL Code. These codes are distributed WITHOUT WARRANTY and are subject to the copyrights of the developers. TRENDnet does not provide technical support for these codes. Please go to http://www.gnu.org/licenses/gpl.txt or http://www.gnu.org/licenses/lgpl.txt for specific terms of each license.

PWP05202009v2 2013/06/28

Product Warranty Registration

Please take a moment to register your product online.
Go to TRENDnet's website at http://www.trendnet.com/register

TRENDnet
20675 Manhattan Place
Torrance, CA 90501. USA