User's Guide

TRENDnet®

AC1200 WiFi Range Extender

TEW-822DRE

Table of Contents

Product Overview

TEW-822DRE

Features

TRENDnet's AC1200 WiFi Range Extender, model TEW-822DRE, offers extreme wireless coverage to eliminate existing wireless network dead spots. Setup takes minutes with no drivers to install and it stays out of the way by plugging directly into an outlet. Connect to either an existing WiFi N or WiFi AC router and extend concurrent WiFi N and AC networks into an area with low or no wireless.

Easy Setup

Quick intuitive setup connects to either a WiFi AC or WiFi N network and adopts existing WiFi settings

AC1200 Dual Band

Broadcasts concurrent high speed 867 Mbps WiFi AC + 300 Mbps WiFi N networks

Extreme Coverage

Adjustable external antennas, high power amplifiers, and multiple antenna technology produces extreme wireless coverage

Gigabit Port

Gigabit port extends a high performance connection to a wired device

No Clutter

The extender plugs directly into an outlet

Operating Modes

External switch toggles between Extender (connects to a WiFi network) and Access Point (connects to a wired network) modes

Encrypted Wireless

Supports the latest encryption standards

Compatibility

Compatible with legacy wireless devices

Targeted Beamforming

Increased real-time performance by directing stronger wireless signals to a device's specific location

**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.*

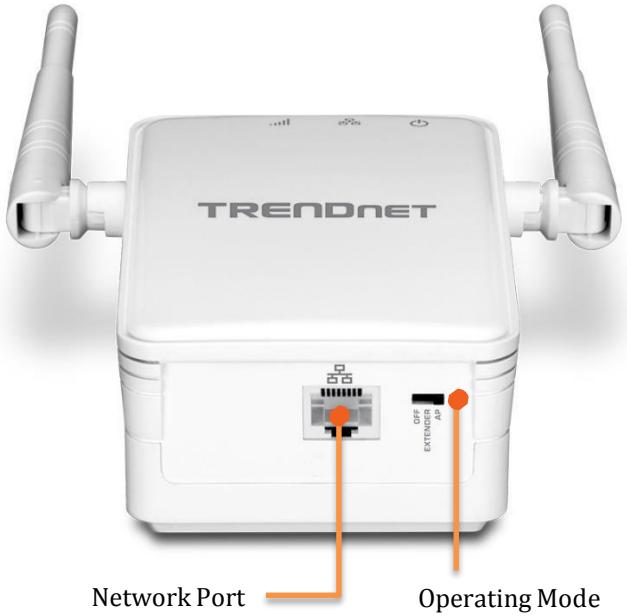
Package Contents

TEW-822DRE package includes:

- TEW-822DRE
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)

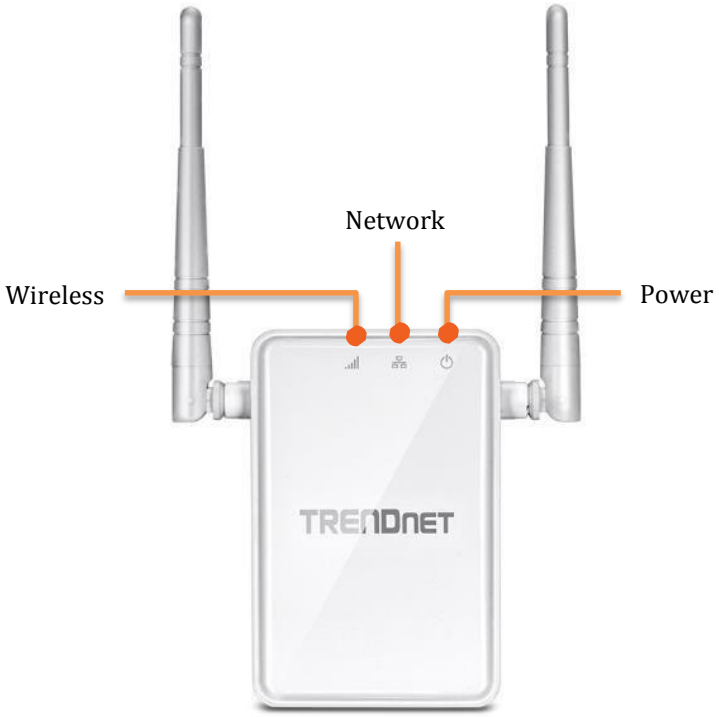
If any package content is missing or damaged, please contact the retail store, online retailer, or reseller/distributor from which the product was purchased.

Hardware Features



Network Port	Connect a network cable (Ethernet cable) to your network when operating in AP (Access Point) mode.
Operation Mode Switch	Position the **Operation Mode Switch** to **Off** to turn off the wireless. Position the switch to **Extender** to operate TEW-822DRE in **Range Extender** mode. Position the switch to **AP** to work in **Access Point** mode.

WPS (Wi-Fi Protected Setup) Button + LED Indicator	Push and release the WPS button to activate WPS copying wireless settings from your router (press 5 sec. in Range Extender mode) or connect to the client (press 1 sec. in Range Extender or AP mode). The LED indicator will start blinking when WPS pairing is activated.
Reset Button	Resets your repeater. Push and hold this button for 10 seconds with a pin or paper clip to reset configuration to factory default.
Power Plug Release Button	To exchange different style of power plug. (This package comes with only one power plug.)



LED Indicators

Power The indicator is blinking blue when your range extender is powered on. When this light is off, there is no power on your range extender.

Network Connect a network cable (Ethernet cable) to your computer for manual configuration.

Wireless The **Wireless LED** shows the wireless connection between **Range Extender** and your wireless router.

- **Blue Light:** When it lights with solid blue, the **Range Extender** established a good wireless connection with your router. When it blinks, it means there are data running through the wireless connection.
- **Red Light**: When wireless connection is weak, the **Wireless LED** is in red. The **Range Extender** can still extend the weak wireless signal in lower speed. It is recommend to relocate your wireless router or **Range Extender** once there's a chance.
- **Off:** The Wireless LED will be turned off if there's no wireless connection to your wireless router at all.

Application Diagram

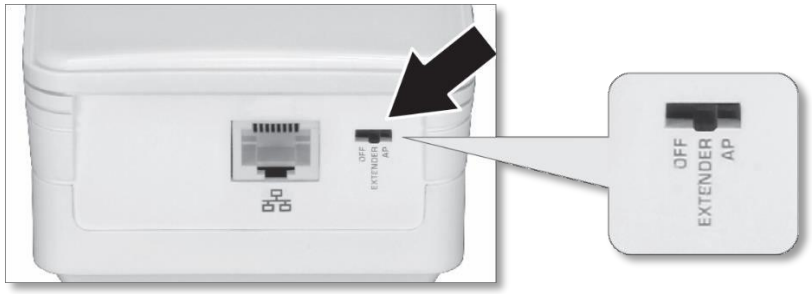
TEW-822DRE is a dual band 802.11ac range extender which can extend your wireless router's range and coverage. Furthermore, it can expand signals to both 2.4 GHz and 5 GHz bands to the clients for dual band concurrent connections. Simply plug the TEW-822DRE at a location in between your wireless router and your computer or mobile device to eliminate the dead spot of connection.

Range Extender Set Ups

There are two ways to setup your Range Extender: by pushing Wi-Fi Protected Setup (WPS) button or web browser configuration.

WPS Connection

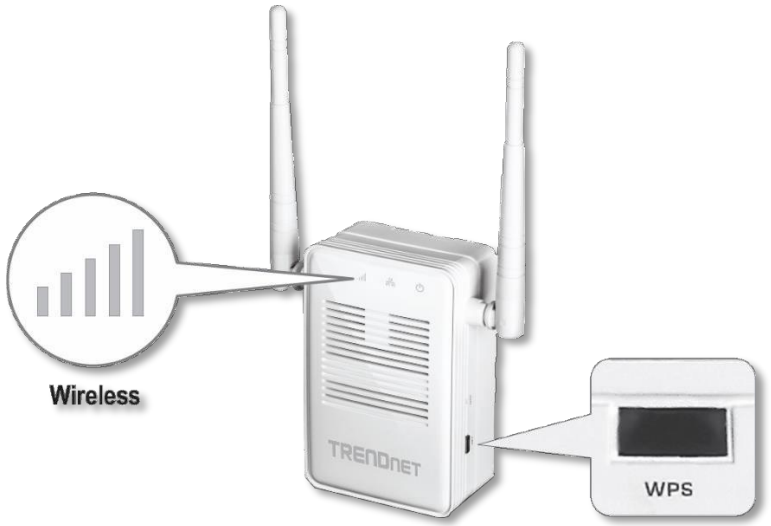
1. Plug in the TEW-822DRE to a power outlet nearby your wireless router and position the operation switch to **Extender**.



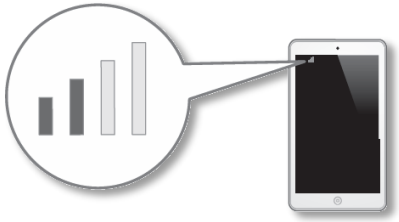
2. Press and release the WPS button for 5 seconds until the WPS LED lights. The LED will blink, which means the TEW-822DRE is starting WPS pairing.

3. Press and hold the WPS button on the router for 5 seconds to start WPS pairing.

4. The WPS will stop blinking and the Wireless LED will lit when the connection is established.



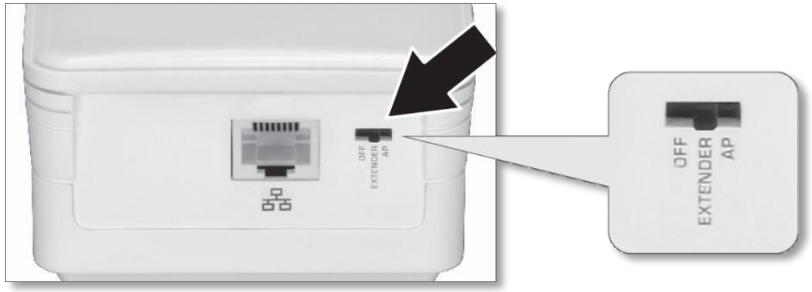
5. Install the TEW-822DRE in the final location. For maximum performance, install the TEW-822DRE in a location where there is at least 2 bars of connection from your WiFi router to a mobile device.



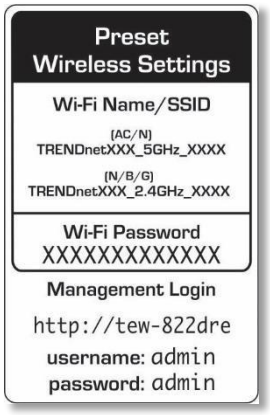
If the Wireless LED light is blue, the wireless connection to the router is good. If the Wireless LED light is red, the wireless connection is weak. Consider to change the extender's location again to have better wireless connection to the router.

Web Browser Configuration

1. Plug in the TEW-822DRE to a power outlet nearby your wireless router and position the operation switch to **Extender**.

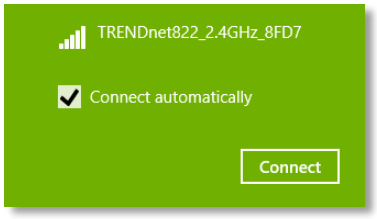


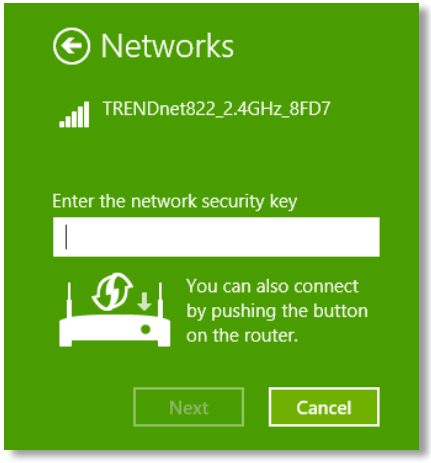
2. Open your computer or mobile device wireless network settings and search for **TRENDnet822_2.4G_xxxx** pre-encrypted wireless network (The xxxx is a random number. Please find your unique wireless name and pre-set WiFi password from the label comes with the product. If you don't have the label from the package, you can find the same information on the device label.)



Preset label in the package

Device label under the device





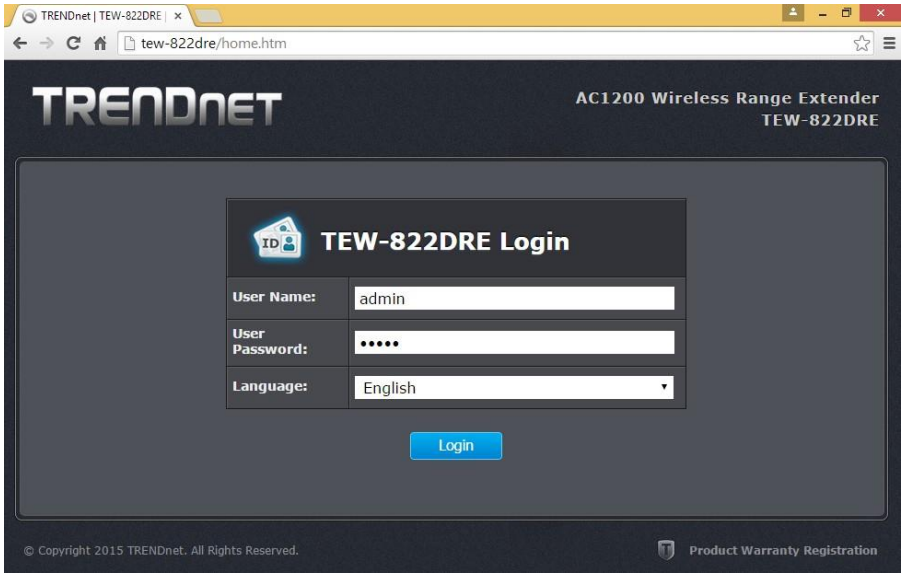
Press and release the WPS button. (do not hold the button for more than 3 second) or enter the WiFi password printed on the label to fill up the WiFi password.

Alternatively, you can connect your computer to the TEW-822DRE with a network cable.

Connect a network cable (not included in the package) from your computer to the TEW-822DRE's network port.

3. Open the web browser and type **http://tew-822dre** or **http://192.168.10.100** to access the administration page. (See trouble shooting page if you cannot access the administration page.)

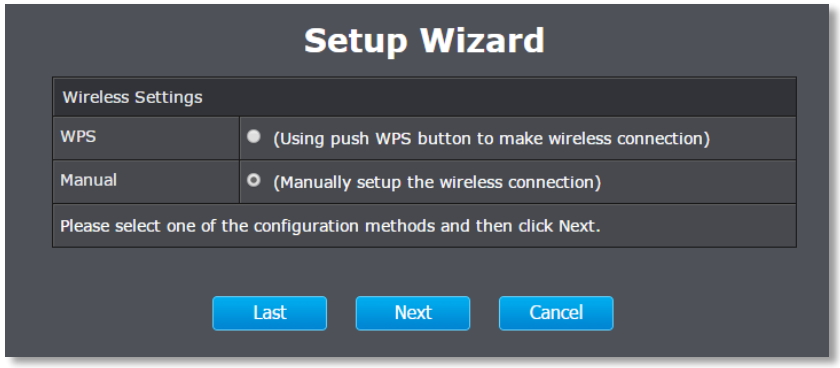
   Enter administrator login information. (The default user name is **admin** and the password is **admin**.)



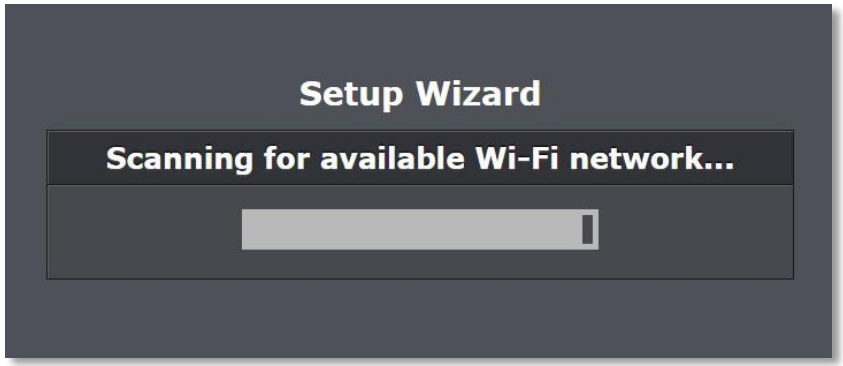
4. The **Setup Wizard** is prompting on the screen. Click **Next**.

5. Change your administrator password from the factory default setting and then click **Next**.

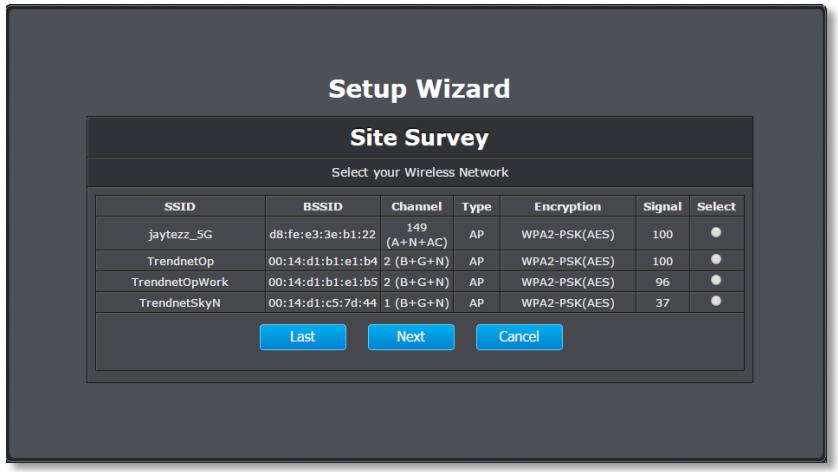
6. Choose manual setting to search and select your wireless router manually and then click on **Next**. (You can choose WPS to initialize the WPS pairing from the web management page here. Please see previous section **WPS Connection** for more detail.)



7. The TEW-822DRE will start searching for available wireless networks.



Select the wireless router or access point you want to connect with and then click **Next**. (If you don't find the wireless network you want, click **Last** to start over the site survey again.)

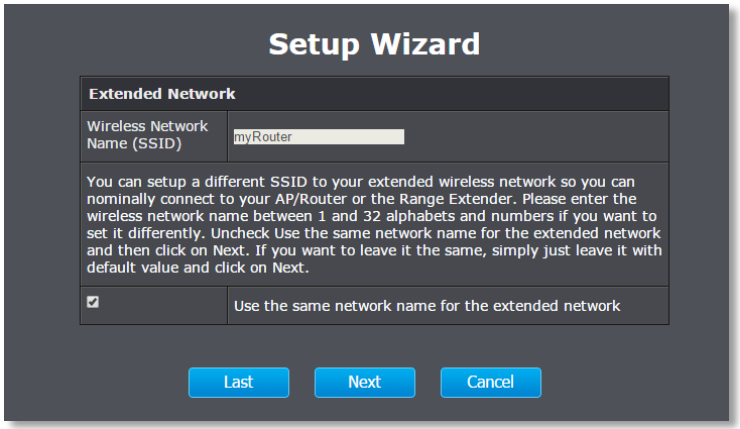


8. Enter the WiFi password and then click **Next**. (When necessary, check on Show Password to make sure the WiFi password you entered is correct.)

9. Choose the extended wireless network name. By default, the TEW-822DRE will have the same wireless name (SSID) to your wireless router. All your devices can seamlessly roaming in between TEW-822DRE and your wireless router.

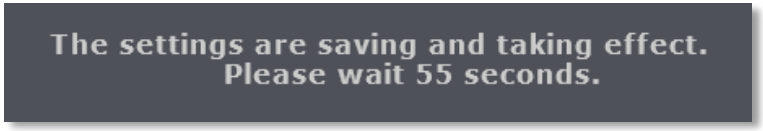
In the case that you want to specifically connect to TEW-822DRE or your wireless router, you can setup the extended network with a different name.

Click **Next** after you choose your extended wireless network name.



10. Confirm the network setup and then click **Next**.

11. TEW-822DRE will reboot to apply the change. It will take about a minute before TEW-822DRE ready to work.



12. Relocate the TEW-822DRE and plug at a location between wireless router and your computer. Check the signal strength from the location you choose to the wireless router. If the signal strength is 2 bars or more. The signal strength is good from the wireless router.

Access Point Set Up

The TEW-822DRE comes with pre-set wireless network name and WiFi password. Please find your unique wireless name and pre-set WiFi password from the label comes with the product. If you don't have the label from the package later time, you can find the same information on the device label.)

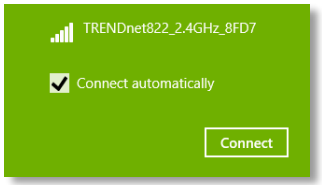
Preset label in the package

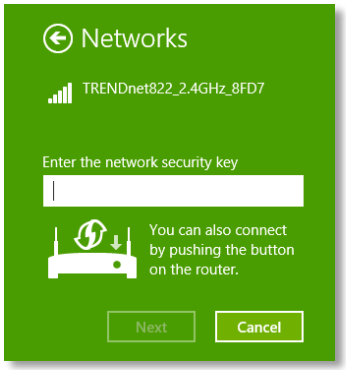
Device label under the device

To start using your TEW-822DRE, just position the operation mode switch to **AP**. Connect a network cable (not included in the package) home router to the TEW-822DRE's network port. And, then plug in the TEW-822DRE to a power socket. Then the dual band wireless is ready to use.

Connecting to your computer to TEW-822DRE

1. Choose the TEW-822DRE wireless name from your computer.





2. Press and release the WPS button. (do not hold the button for more than 3 second) or enter the WiFi password printed on the label to fill up the WiFi password.

Login to your TEW-822DRE to customize your wireless name, password, and management login password can add on one more layer of network security and which is recommended.

Range Extender Web Management

System Management and Default Settings

The TEW-822DRE has following settings:

User name:	admin
Password:	admin
Dafault IP:	192.168.10.100

Access the Management page

Select your preferred language in the TEW-822DRE login page.

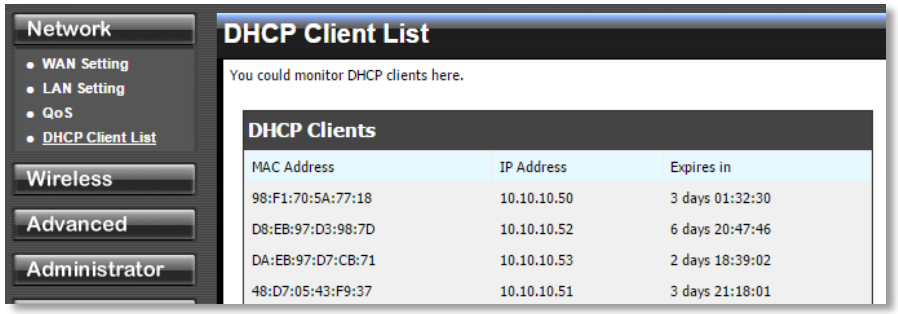
The TEW-822DRE default IP address is 192.168.10.100. If you are operating in repeater mode. The management IP is default to dynamic and will be assigned by your router.

Accessing TEW-822DRE with 192.168.10.100:

Make sure your computer is on the same 192.168.100.x/ 255.255.255.0 network. You can setup your computer with a static IP address in this network. For more information on how to setup the static IP address, please see appendix on page 47 .

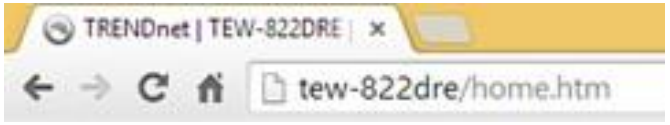
Accessing TEW-822DRE with dynamic IP:

Make sure your computer is also having the dynamic IP from your home router. To find out the exact IP address of TEW-822DRE, you can check the DHCP client list on your router management page.



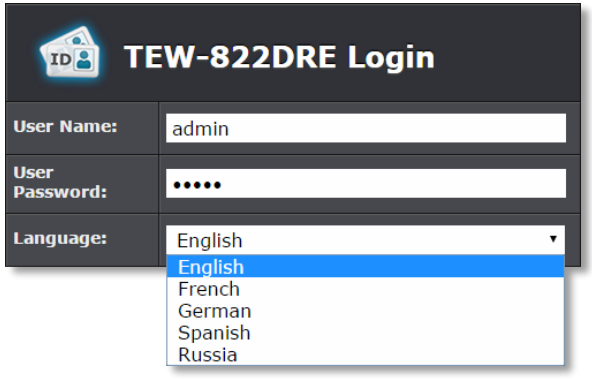
Accessing TEW-822DRE with product name:

When your computer is on the same network of TEW-822DRE, you can also use the product name to access the management page. Just enter "http://tew-822dre" in your browser.



Multi-Language

Select your preferred language in the TEW-822DRE login page.



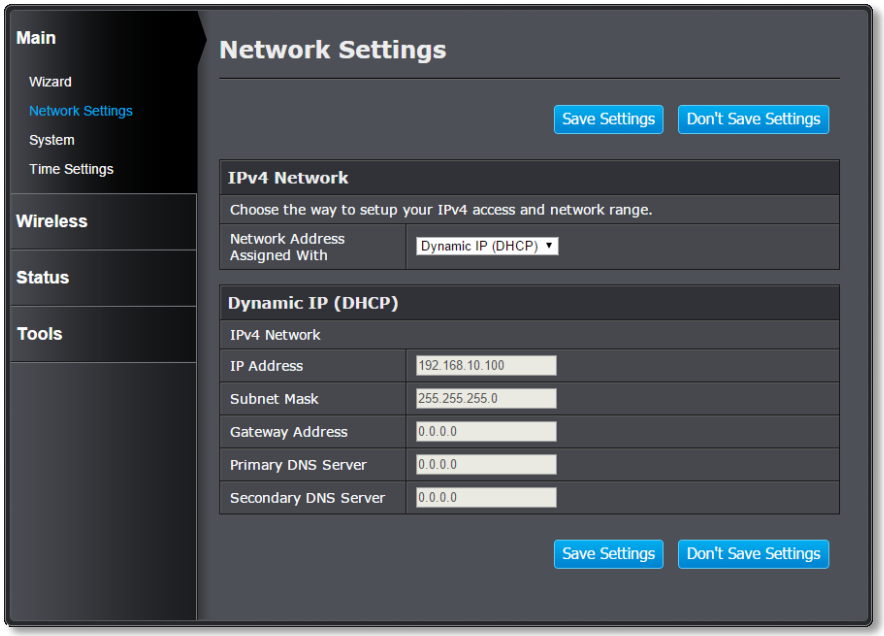
System Settings

Main - Wizard

Run the setup wizard again for important setups. If you want to run the setup wizard again in later time, just click the wizard on the main menu of management page and follow through the settings.

Main - Network Settings

Setup your management IP address.



IPv4 Network

Network Address Assigned with : Choose how you want the management IP to be set. Either with **dynamic IP** or **static IP**. (Default is set to static IP with 192.168.10.100)

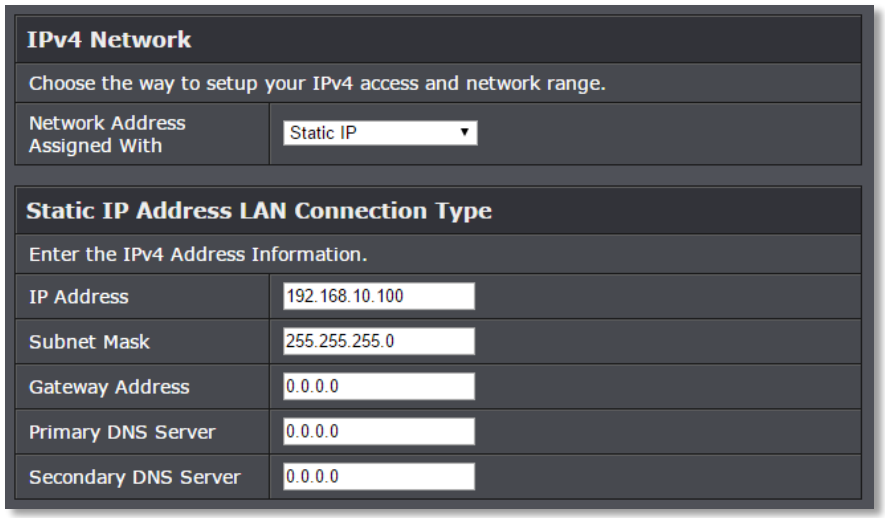
*Click **Save** to save the changes*

Dynamic IP

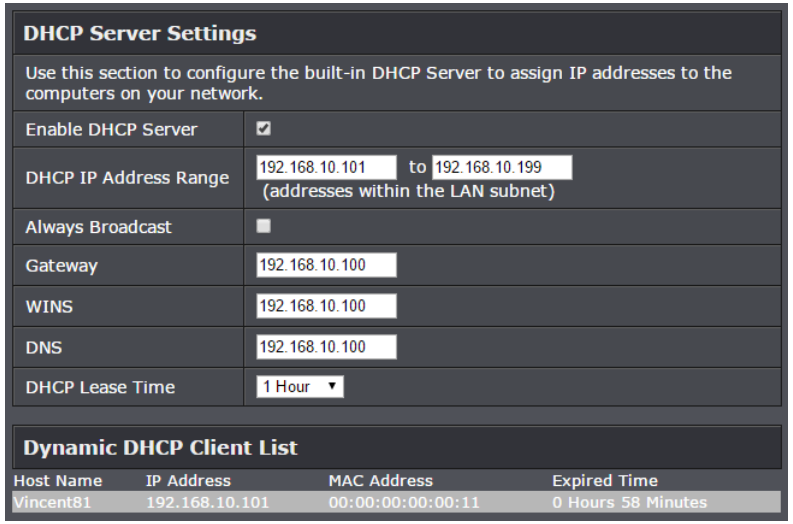
Dynamic IP (DHCP)

IP address : The IPv4 settings are getting from DHCP server automatically and showing here.

Static IP



Static IP Address	
IP Address :	Enter the TEW-822DRE management IP address
Subnet Mask :	Management IP network range
Gateway Address :	The default route going out of the network
Primary DNS Server :	Enter the primary domain name server IP address
Secondary DNS Server :	Enter the secondary domain name server IP address

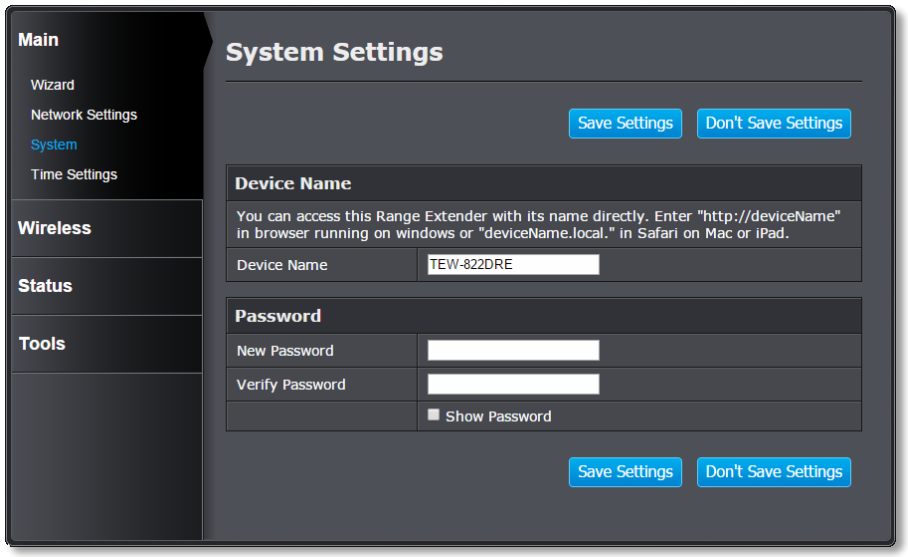


DHCP Server Settings	
Enable DHCP Server :	Check this box to enable DHCP Server on TEW-822DRE
DHCP IP Address Range :	Assign a range of IP addresses to allocate through the access point's DHCP server
Always Broadcast :	Check this box to enable the DHCP server
Gateway :	The default route going out of the network
WINS :	Enter the Windows Internet Name Service server address
DNS :	Enter the Domain Name Server address
DHCP Lease Time :	Enter the lease time for allocated IP address
Dynamic DHCP Client List :	List the clients receiving IP address from TEW-822DRE DHCP server.

*Click **Save** to save the changes*

Main - System

Setup TEW-822DRE system name and changing the administrator's password.



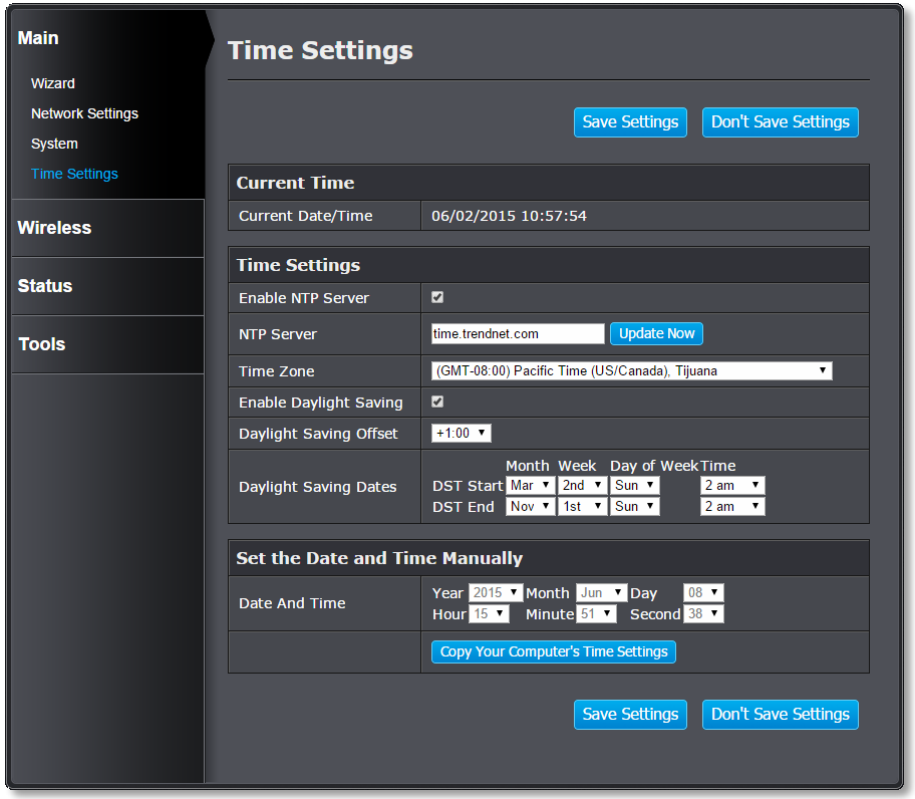
Device Name	
Device Name :	Enter the device name you want to be searched on the network. Changing this device name can change the way to access the TEW-822DRE. For example, if you change the device name to **mydevice**, you can then access the TEW-822DRE later time with "http://mydevice"

Password	
New password :	Enter the new administrator password here.
Verify Password:	Enter the new administrator password again.
Show Password:	Check this box when necessary if you want to make sure the password you have entered is correct.

*Click **Save Settings** to save the changes*

Main - Time Settings

The Time Setting allows you to setup the schedule control and recording the event log correctly.



Current Time	
Current Date/Time :	Showing the current date and sets in TEW-822DRE.

Time Settings	
Enable NTP Server:	Check this box if you want to synchronize TEW-822DRE with a network time server.
NTP Server:	Enter the address of the time server. (i.e. time.trendnet.com)
Time Zone:	Select the time zone of the country you are currently in. The TEW-822DRE will set its time based on your selection.
Enable Daylight Saving:	Check this box if your time zone has daylight savings.
Daylight Saving Dates:	Specify the starting date and end date of daylight savings.

Set the Date and Time Manually	
Date and Time:	You can also set your date and time manually. Select the date and time on the list on click on **Copy Your Computer's Time Settings**.

*Click **Save Settings** to save the changes*

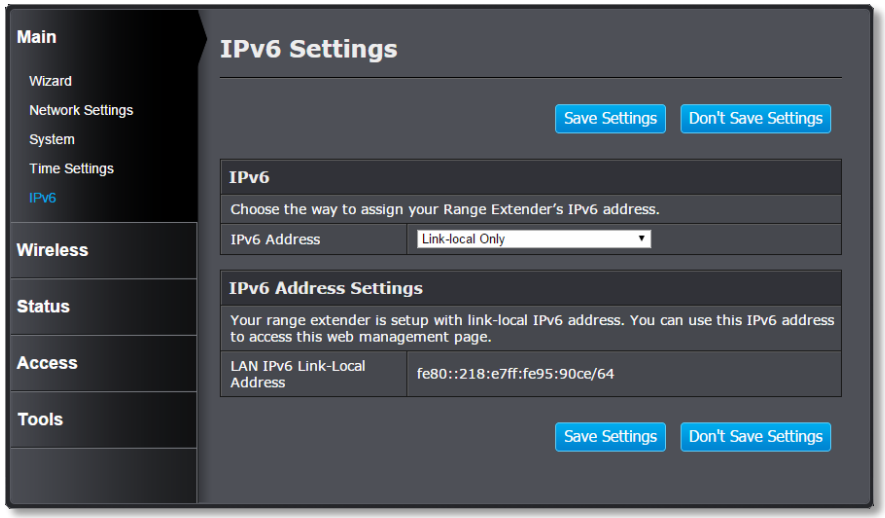
Main – IPv6 (Access Point Mode)

Setup your IPv6 management IP address.

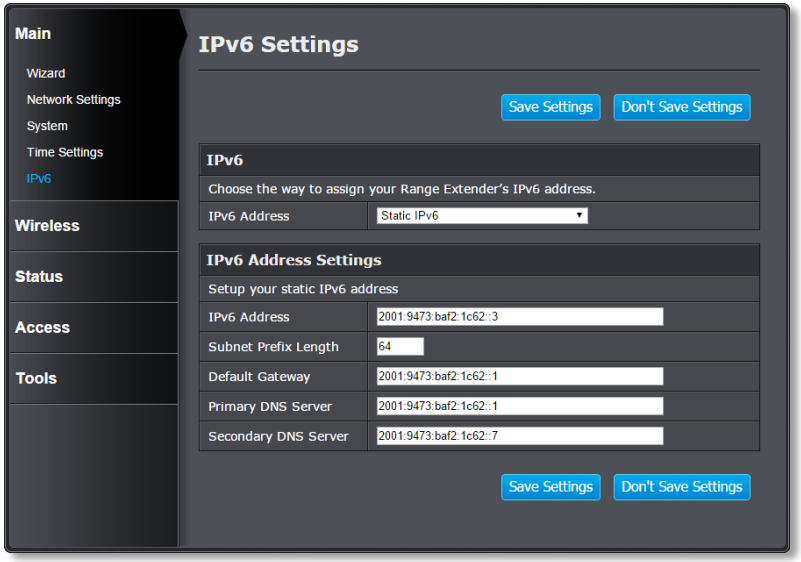
IPv6	
IPv6 Address :	Choose the way to assign the IPv6 address: link-local, static, or dynamic (auto-configuration).

Link-Local IPv6 Address

By default, the TEW-822DRE is set to link-local only. You can access the TEW-822DRE easily with its link-local IPv6 address.



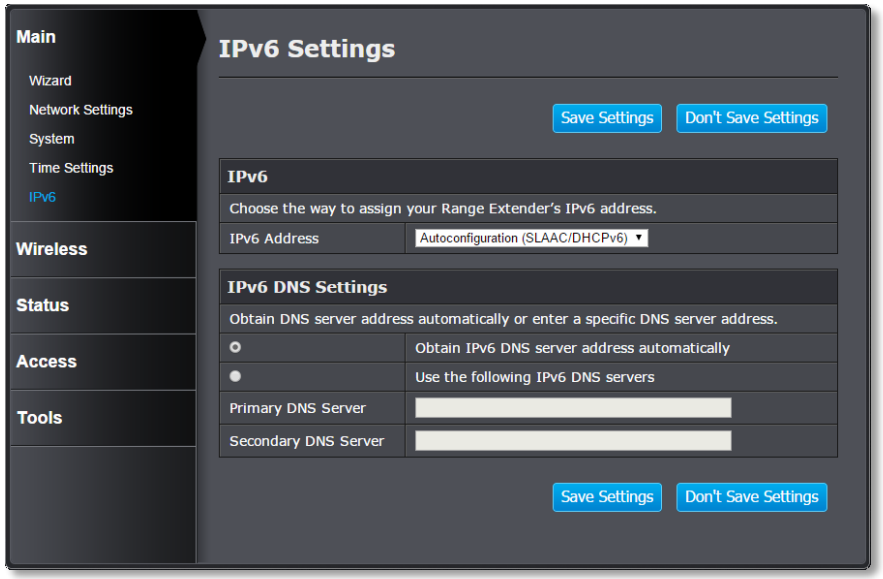
Static IPv6 Address



IPv6 Address Settings	
IPv6 Address :	Enter the TEW-822DRE management IPv6 address
Subnet Prefix Length :	Management IPv6 network range
Default Gateway :	The default route going out of the network
Primary DNS Server :	Enter the primary domain name server IPv6 address
Secondary DNS Server :	Enter the secondary domain name server IPv6 address

Dynamic IPv6 Address

Choose auto-configuration to get IPv6 address from DHCPv6 dynamically.



IPv6 DNS Settings	
DNS Server :	Choose "**Obtain IPv6 DNS Server address automatically**" or "**Use the following IPv6 DNS server**" to specify the way to get domain name service.
Primary DNS Server :	Enter the primary domain name server IPv6 address
Secondary DNS Server :	Enter the secondary domain name server IPv6 address

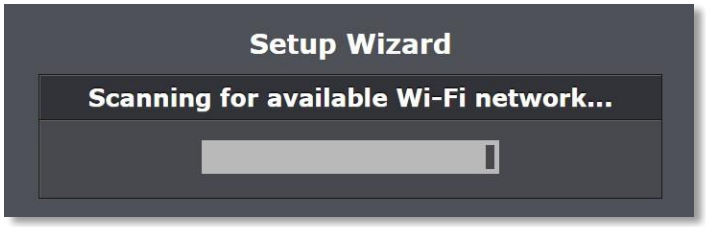
*Click **Save Settings** to save the changes*

Wireless (Range Extender Mode)

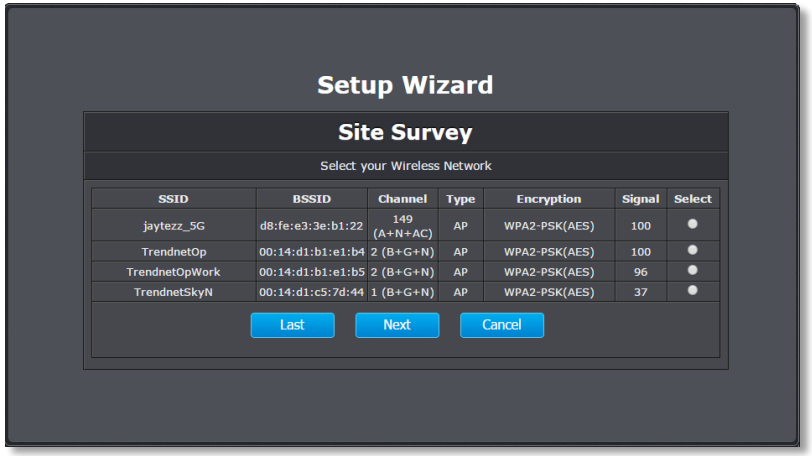
Site Survey

When TEW-822DRE is operating in Range Extender mode, you can refresh the wireless router link by searching for new wireless network. Navigate to **Wireless** and **Site Survey** to start wireless site survey.

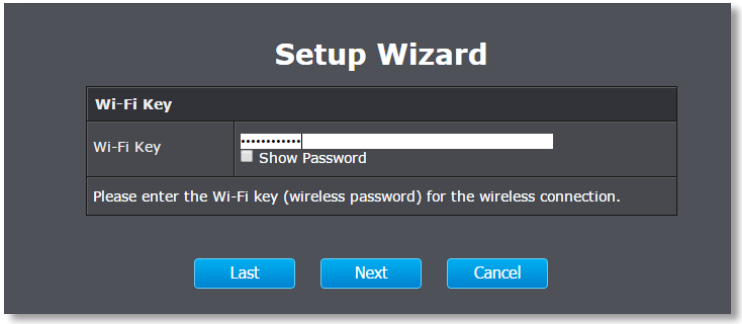
TEW-822DRE will start searching again.



Select the wireless router or access point you want to connect with and then click **Next**. (If you don't find the wireless network you want, click **Last** to start over the site survey again.)



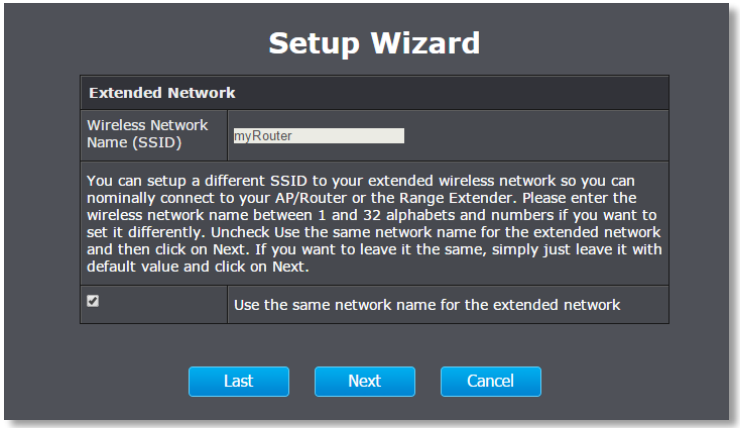
Enter the WiFi password and then click **Next**. (When necessary, check on Show Password to make sure the WiFi password you entered is correct.)



Choose the extended wireless network name. By default, the TEW-822DRE will have the same wireless name (SSID) to your wireless router. All your devices can seamlessly roaming in between TEW-822DRE and your wireless router.

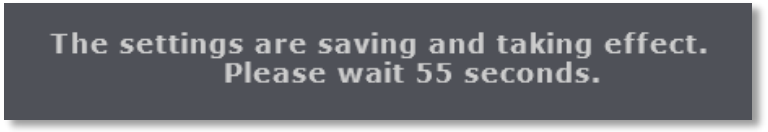
In case that you want to specifically connect to TEW-822DRE or your wireless router, you can setup the extended network to a different name.

Click **Next** after you choose your extended wireless network name.



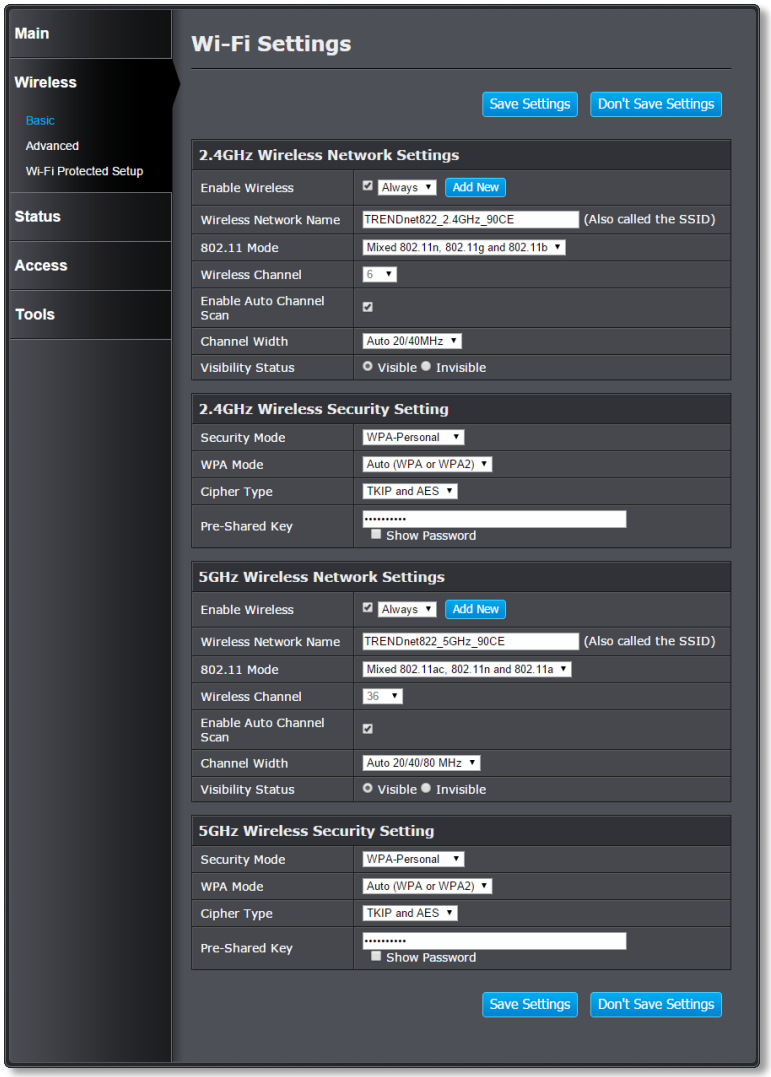
Confirm the network setup and then click **Next**.

TEW-822DRE will reboot to apply the change. It will take about a minute before TEW-822DRE ready to work.



Wireless (Access Point Mode) - Basic

Set the TEW-822DRE wireless basic settings. Choose the appropriate wireless band and setup the connection requirements.



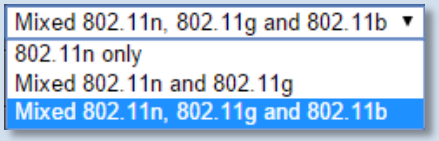
2.4GHz/5GHz Wireless Network Settings

Enable Wireless : Check the box to enable the wireless. And then select the schedule between **Always** or the time schedule you setup. Click on **Add New** to add new schedule. (For schedule editing, see page 40 **Tools (Access Point Mode) - Schedule** for more detail.)

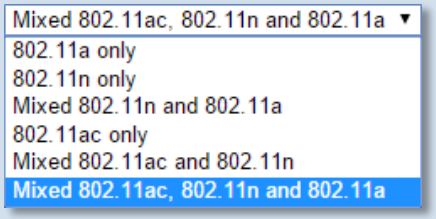
Wireless Network Name: Enter the 2.4GHz Service Set Identifier (SSID). This SSID is human readable and performs as ESSID to setup wireless groups.

802.11 Mode : Select one of the wireless mode to operate. Choosing more connection modes makes your AP compatible to more wireless devices. When you for sure that you are not going to have legacy devices online, you can choose narrower connection mode, which can increase the overall speed since the wireless does not have to wait for legacy device working on slower connection mode.

2.4GHz:



5GHz:



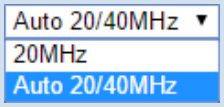
Wireless Channel: Check on **Enable Auto Channel Scan** to switch wireless channels automatically. Or, uncheck the box to choose the wireless channel manually. Channel selection can be vary by region.

- FCC: 1 -11, 36, 40, 44, 48, 149, 153, 157, 161, 165
- ETSI: 1 – 13, 36, 40, 44, 48
- ETSI (DFS): 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140

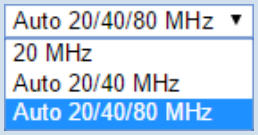
Due to regulatory requirements, the DFS wireless channels specified cannot be statically assigned, but will be available within the available wireless channels when set to auto channel scan.

Channel Width: Select the channel width setting. If there is not many wireless stations in your space, choose wider bandwidth to take advantage of parallel data transmission. When your wireless environment is crowded, choose 20MHz to limit the bandwidth usage and smooth the connection.

2.4GHz:



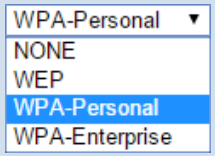
5GHz:



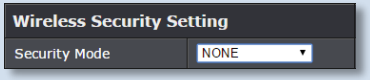
Visibility Status : Choose visible so your wireless device can search and find the TEW-822DRE network name, or invisible to hide the name from network search.

2.4GHz/5GHz Wireless Security Setting

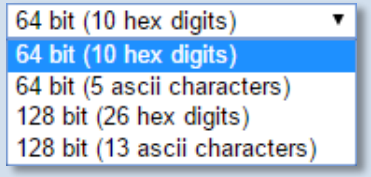
Security Mode: Choose the way to secure your wireless connection.

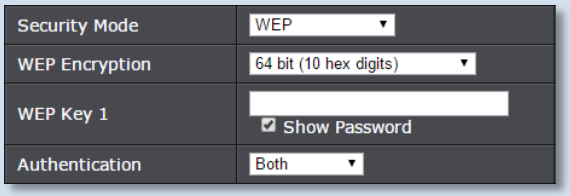


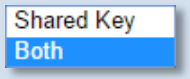
None: There is no security on your wireless connection. Adding security on upper network layer is recommended instead of make your network totally opened.



WEP: Basic (Wire Equivalent Privacy). This is a legacy wireless security protocol. Adding security on upper network layer is recommended. Choose the length and type of the key (password) and then enter the key in WEP key 1 field.

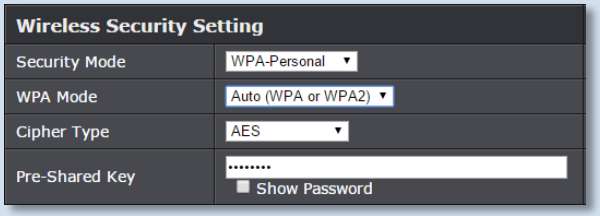




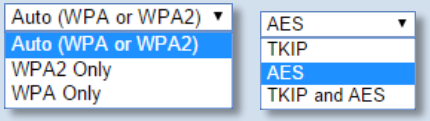


Choose Shared Key or both open and shared key in authentication field.

WPA-Personal: WiFi Protected Access is a more robust wireless security mechanism.

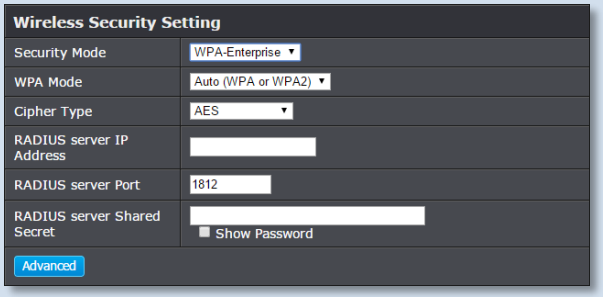


Select the WPA or WPA2 (recommended) or automatic choose WPA and WPA2 mode and cypher type in TKIP or AES (recommended).

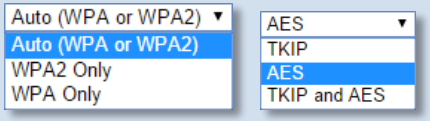


And then enter the key in **Pre-shared Key** field.

WPA-Enterprise: Instead of using pre-shared key saving on the TEW-822DRE, you can authenticate the connection with RADIUS server.



Select the WPA or WPA2 (recommended) or automatic choose WPA and WPA2 mode and cypher type in TKIP or AES (recommended).



And then enter the RADIUS server IP address, port number and shared secret.

Channel Width: Shows the channel width settings.

Channel: Shows the TEW-822DRE 2.4GHz wireless is currently communicating on which channel.

5GHz Wireless

MAC address: MAC address of TEW-822DRE 5GHz wireless interface.

SSID: Shows current Service Set Identifier is currently in use. This SSID is human readable and performs as ESSID to setup wireless groups.

Security Mode: Shows which type of security encryption is currently in use for this wireless connection.

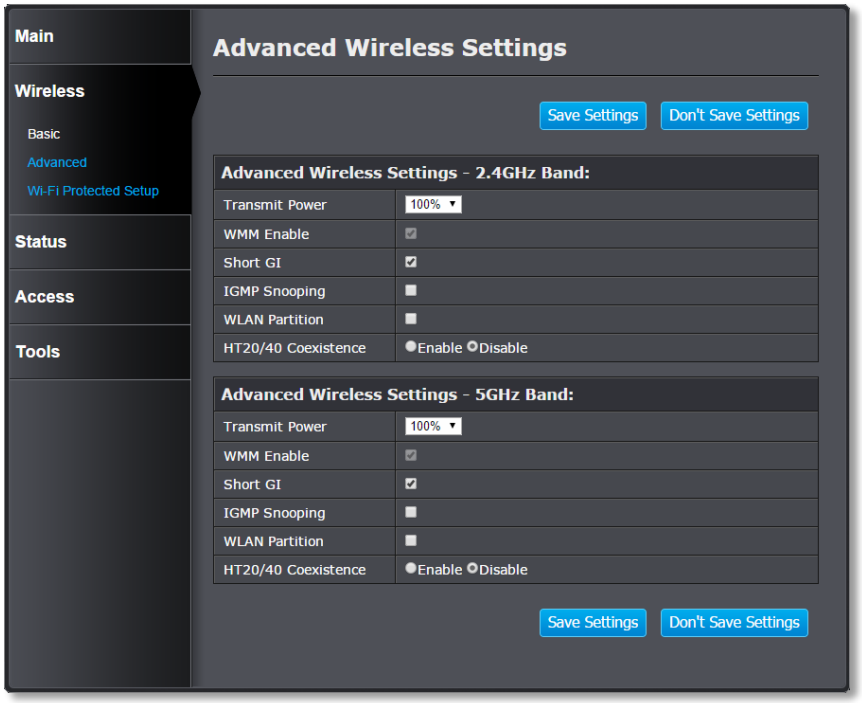
Channel Width: Shows the channel width settings.

Channel: Shows the TEW-822DRE 5GHz wireless is currently communicating on which channel.

*Click **Save Settings** to save the changes*

Wireless (Access Point Mode) - Advanced

Setting the advanced wireless performance.



Advanced Wireless Settings	
Transmit Power :	Wireless signal transmission power. Choose the lower number when you have crowed wireless devices. So, the TEW-822DRE has toned down signal to prevent wireless interference.
WMM Enable:	Check to enable or disable WMM. This is the Quality of Service (QoS) feature for prioritizing voice and video applications
Short GI :	Check this box to enable or disable short guard interval in WiFi negotiation.
IGMP Snooping :	Check this box to enable or disable IGMP snooping.
WLAN Partition :	If you check this box, wireless clients associated with this SSID cannot communicate to each other directly, even if they are in the same wireless group.
HT20/40 Coexistence	Check this box to support 20 MHz and 40 MHz coexisting at the same time.

*Click **Save Settings** to save the changes*

Wireless (Access Point Mode) - WPS

WPS is the simplest way to connect a wireless client to the TEW-822DRE. You don't have to select the encryption mode and fill in a long encryption passphrase every time you want to setup a wireless connection. Just press a button on both the wireless client and the TEW-822DRE, and WPS will do the rest for you.

The TEW-822DRE has hardware WPS button on the side of the range extender. It also supports two types of software WPS: WPS via Push Button and WPS via PIN code.

WiFi Protected Setup	
Enable :	Check this box to enable WPS feature
Lock WPS-PIN Setup :	Lock/ enable WPS PIN setup

WPS with Personal Identification Number (PIN): Setup the PIN number of the TEW-822DRE by clicking **Generate New PIN**, check on **Lock WPS-PIN Setup** and then click **Save Settings** to change the PIN. The current PIN will show on the **Current PIN**. To restore the PIN number to factory default, just click on **Reset PIN to Default**.

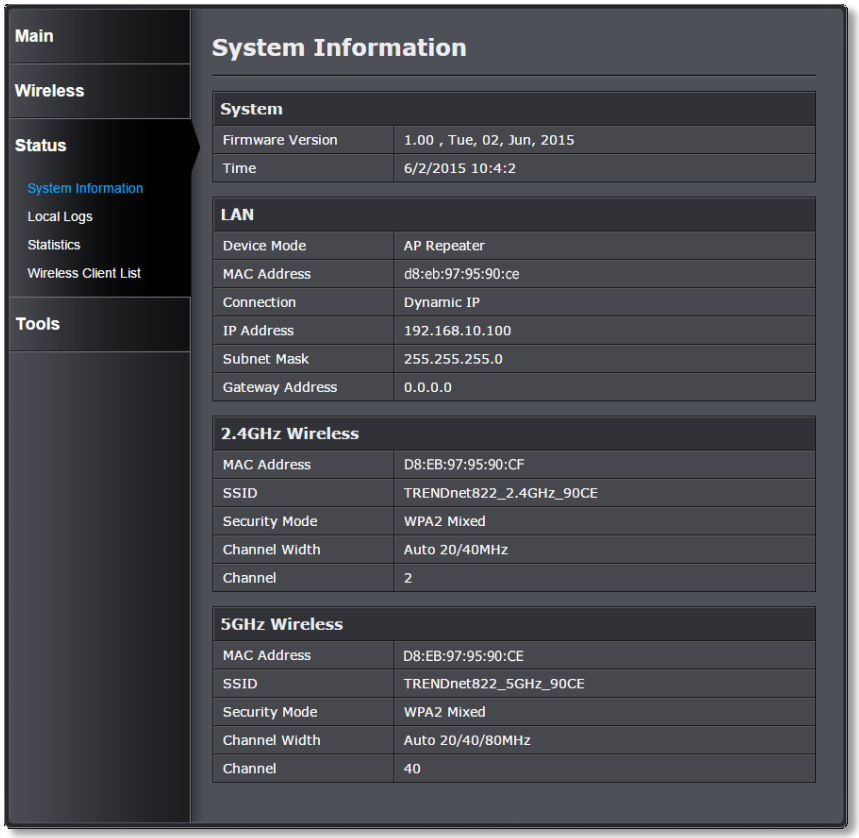
When you setup the PIN number properly, you can enter the PIN number on your wireless client when setup the WPS PIN wireless connection.

PIN Settings	
Current PIN :	The PIN number currently holds
Reset PIN to Default :	Return the PIN number to the factory default.
Generate New PIN :	Generate a new PIN number randomly

WPS with soft push button: Click on **Add Wireless Device with WPS** on this page to start WPS push button pairing. Within 2 minutes, push the WPS button on the wireless adapter or in the utility on the wireless computer to join the WPS pairing.

Status - System Information

Lists all the TEW-822DRE basic information.



System

Firmware Version :	Showing the current firmware version TEW-822DRE is running.
Time:	Showing the current TEW-822DRE system time.

LAN

Device Mode:	The TEW-822DRE is running on **Range Extender** (AP Repeater) mode or **Access Point** (AP) Mode.
MAC Address:	MAC address of the network port.
Connection:	How the LAN (management) IP gets its address. Either in dynamic mode or static mode.
IP Address:	IP address of the LAN (management) port.
Subnet Mask:	Network range of the management IP
Gateway Address:	The default router going out from the TEW-822DRE management network.

2.4GHz Wireless

MAC address:	MAC address of TEW-822DRE 2.4GHz wireless interface.
SSID:	Shows current Service Set Identifier is currently in use. This SSID is human readable and performs as ESSID to setup wireless groups.
Security Mode:	Shows which type of security encryption is currently in use for this wireless connection.
Channel Width:	Shows the channel width settings.

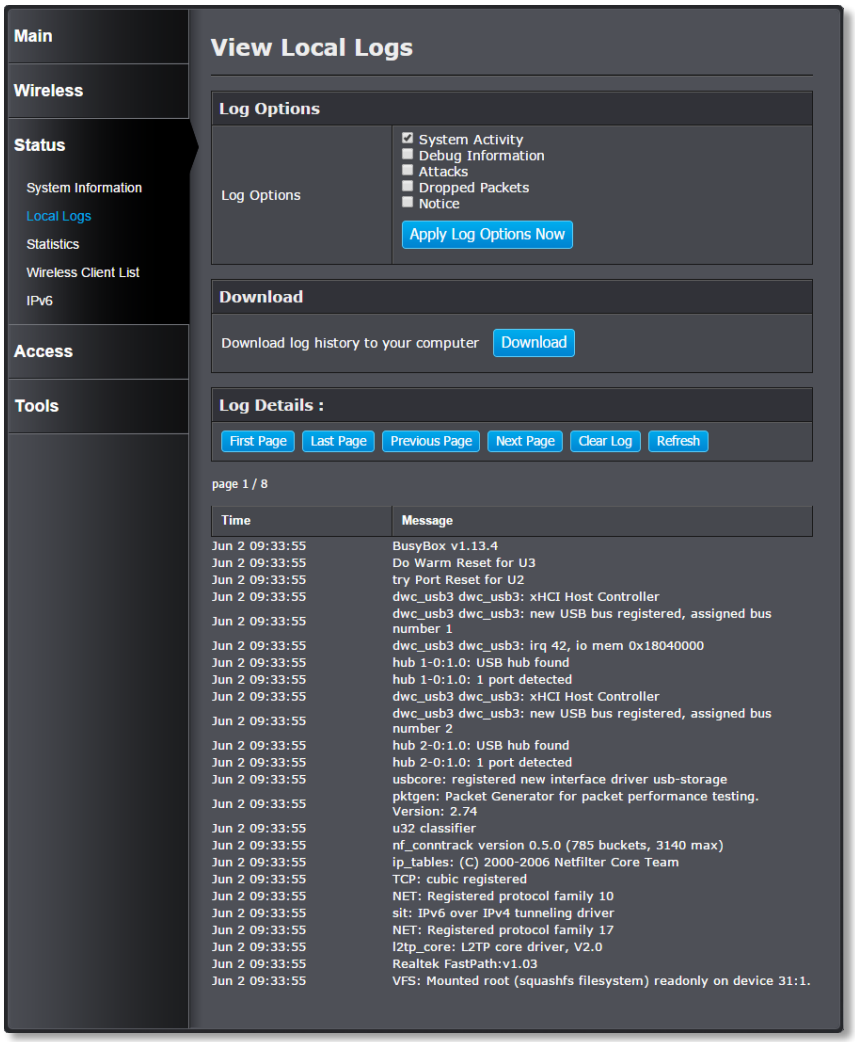
Channel:	Shows the TEW-822DRE 2.4GHz wireless is currently communicating on which channel.

5GHz Wireless	
MAC address:	MAC address of TEW-822DRE 5GHz wireless interface.
SSID:	Shows current Service Set Identifier is currently in use. This SSID is human readable and performs as ESSID to setup wireless groups.
Security Mode:	Shows which type of security encryption is currently in use for this wireless connection.
Channel Width:	Shows the channel width settings.
Channel:	Shows the TEW-822DRE 5GHz wireless is currently communicating on which channel.

*Click **Save Settings** to save the changes*

Status - Local Logs

All system logs of TEW-822DRE saves locally. Access this page you can quickly and easily browse through or find out the event you are looking for.



Log Options

Log Options: Filter the logs listed in the viewer. Select the kind of log you want to list and click on **Apply log Options Now.**

Download

Download Logs: Click **Download** to download the log file from TEW-822DRE to your computer.

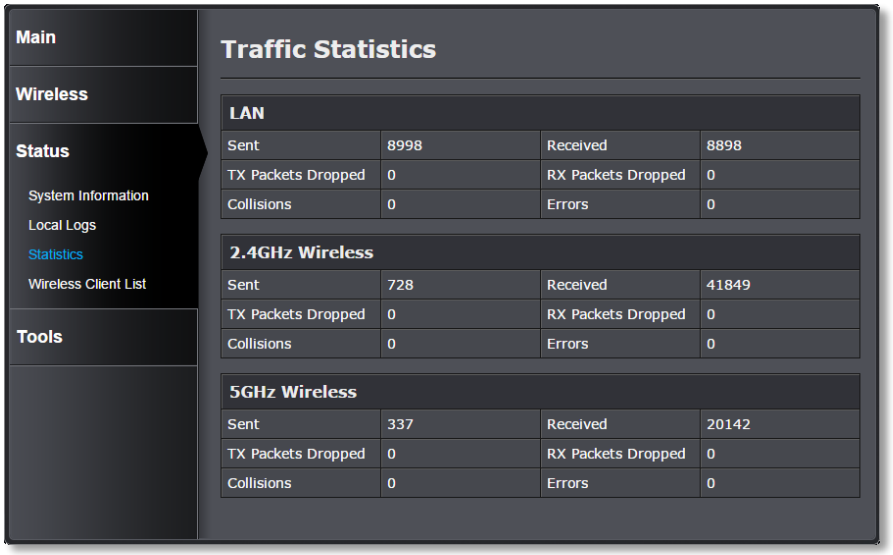
Log Details

Click buttons to control the log page display.

- **First Page:** Click to advance to the first log page
- **Last Page**: Click to advance to the last log page
- **Previous Page:** Click to view the previous log page
- **Next Page:** Click to view the next log page
- **Clear Log:** Click to clear all log entries
- **Refresh:** Click to refresh log entries

Status - Statistics

The traffic statistics accumulate the traffic status. By reviewing these numbers, you can easily identify the network problem with specific traffic pattern.



LAN

Traffic through network port :

- **Sent:** Sent from network port.
- **Received:** Received by the network port.
- **Tx Packets Dropped:** How many packets were dropped were delivered from LAN port to other devices.
- **Rx Packets Dropped:** How many packets are dropped delivering from other devices to the LAN port.
- **Collisions:** How many collision happened on the Ethernet network.
- **Error:** How many traffic errors happened over time.

2.4GHz Wireless

Traffic through 2.4GHz wireless network port :

- **Sent:** Sent from 2.4GHz wireless network port.
- **Received:** Received by the 2.4GHz wireless network port.
- **Tx Packets Dropped:** How many packets are dropped were delivered from 2.4GHz wireless network port to other devices.
- **Rx Packets Dropped:** How many packets are dropped were delivered from other devices to the 2.4GHz wireless network port.
- **Collisions:** How many collision happened on the 2.4GHz wireless network.
- **Error:** How many traffic errors happened over time on 2.4GHz wireless network.

5GHz Wireless

Traffic through 5GHz wireless network port :

- **Sent:** Sent from 5GHz wireless network port.
- **Received:** Received by the 5GHz wireless network port.
- **Tx Packets Dropped:** How many packets are dropped were delivered from 5GHz wireless network port to other devices.
- **Rx Packets Dropped:** How many packets are dropped were delivered from other devices to the 5GHz wireless network port.
- **Collisions:** How many collision happened on the 5GHz wireless network.
- **Error:** How many traffic errors happened over time on 5GHz wireless network.

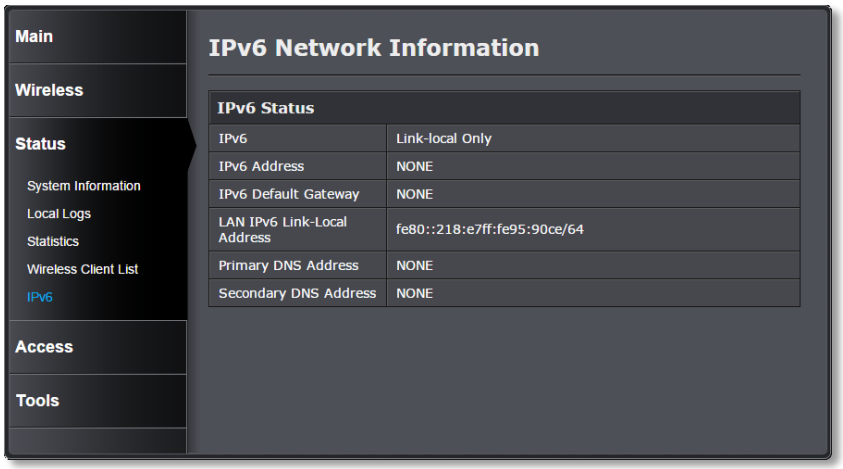
Status - Wireless Client List

List all the wireless clients connecting to TEW-822DRE.

2.4GHz/5GHz Wireless Client List	
Connected Time :	Shows how long this wireless client connected to TEW-822DRE
MAC Address :	Shows the Media Access Control number of the wireless client

Status (Access Point Mode) – IPv6

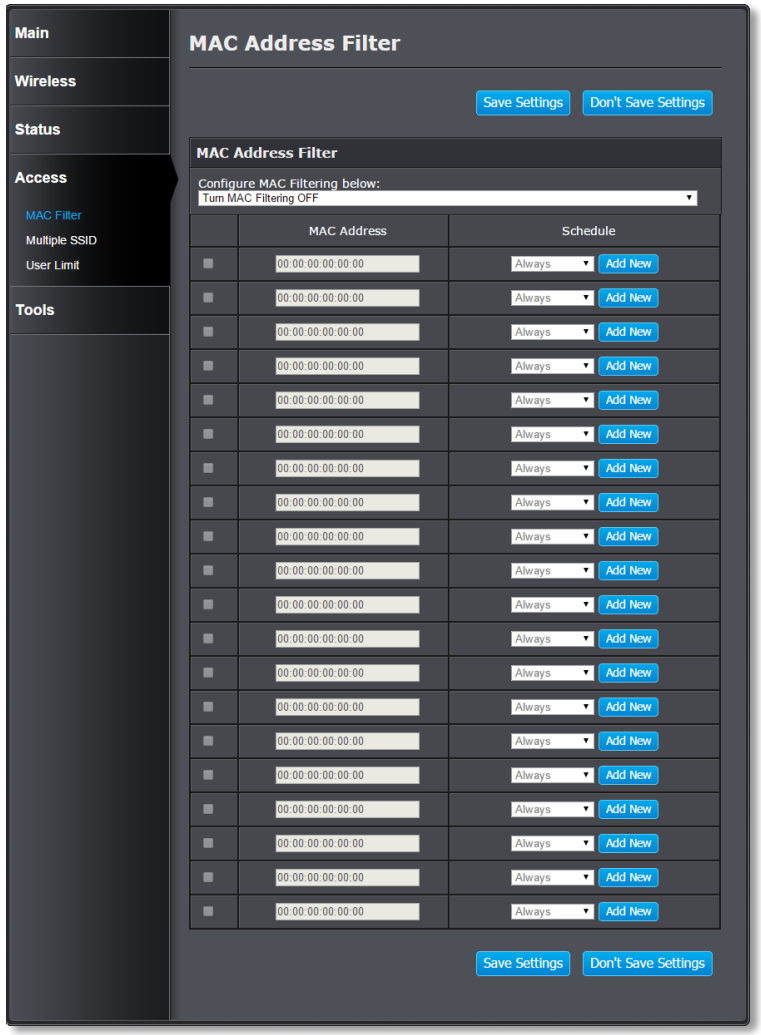
Lost out the IPv6 settings and status.



IPv6 Status	
IPv6 :	Shows how the IPv6 address is configured
IPv6 Address :	Shows the static or dynamic IPv6 address
IPv6 Default Gateway :	Shows the default router going out of the IPv6 network
LAN IPv6 Link-Local Address :	Shows the Link-Local IPv6 address
Primary DNS Address :	Shows the primary IPv6 domain name server IP address.
Secondary DNS Address :	Shows the secondary IPv6 domain name server IP address.

Access (Access Point Mode) – MAC Filter

Every network device has a unique, 12-digit MAC (Media Access Control) address. Using MAC filters, you can allow or deny specific computers or mobile devices from using this access point's wireless network. You can setup up to 20 MAC address entries.

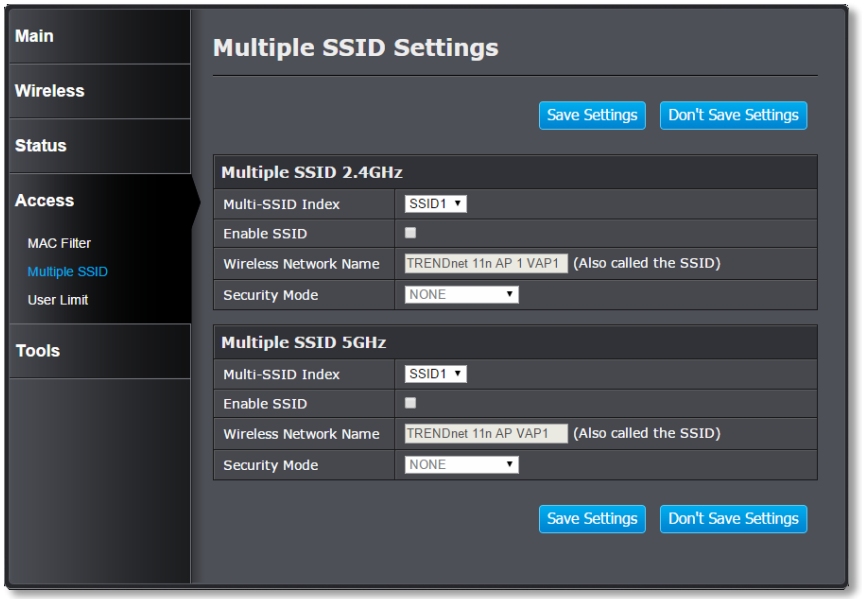


MAC Address Filter	
Configure MAC filtering below :	Turn MAC Filtering OFF Turn MAC Filtering OFF Turn MAC Filtering ON and ALLOW computers listed to access the network Turn MAC Filtering ON and DENY computers listed to access the network Choose the appropriate selection to turn MAC filtering on or off.
MAC Address :	Enter the MAC address of the devices you would like to filter. (e.g. 00:11:22:AA:BB:CC)
Schedule :	Select the schedule between **Always** or the time schedule you setup. Click on **Add New** to add new schedule. (For schedule editing, see page 40 **Tools (Access Point Mode) - Schedule** for more detail.)
IPv6 Default Gateway :	Shows the default router going out of the IPv6 network
LAN IPv6 Link-Local Address :	Shows the Link-Local IPv6 address
Primary DNS Address :	Shows the primary IPv6 domain name server IP address.
Secondary DNS Address :	Shows the secondary IPv6 domain name server IP address.

*Click **Save Settings** to save the changes*

Access (Access Point Mode) – Multiple SSID

You can enable multiple wireless network (SSID), up to 4 in each wireless band, creating different wireless credential for different group of users.



Multiple SSID 2.4GHz/5GHz	
Multiple SSID Index : SSID1 ▾ (SSID1, SSID2, SSID3, SSID4)	Select the SSID you want to edit. By default, the SSID1 is enabled and SSID 2~4 are disabled.
Enable SSID :	Check this box to enable the wireless network (SSID).
Wireless Network Name :	Setting the human readable wireless network name (SSID) for identification.

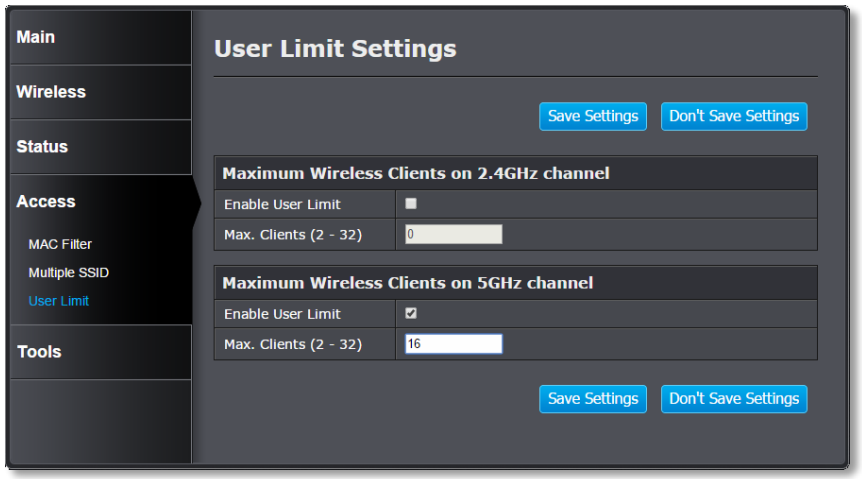
Wireless Security

You need to setup the wireless security when you enable a new wireless network. The wireless security settings are all the same. Please reference **Wireless (Access Point Mode) - Basic** on page 26 for more setting detail.

*Click **Save Settings** to save the changes*

Access (Access Point Mode) – User Limit

Limit the maximum wireless users on each band. You can set the limit up to 32 client connection.



Maximum Wireless Clients on 2.4GHz/5GHz	
Enable Limit :	Check this box to start limiting the number of connections.
Max. Clients :	Set the number between 2 and 32 as the number of wireless clients are limited.

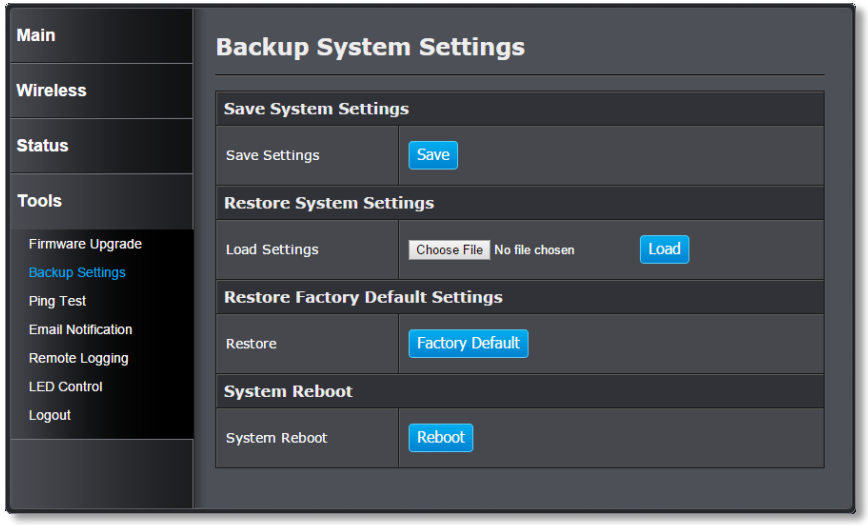
Tools - Upload Firmware

Click **Upload Firmware** on the menu to list associated wireless clients. TRENDnet may periodically release firmware upgrades that might add features or fix problems associated with your TRENDnet model and version. To find out if there is a firmware upgrade available for your device, please check your TRENDnet model and version using the link.

`http://www.trendnet.com/downloads/`

1. If a firmware upgrade is available, download the firmware to your Computer.
2. Unzip the file to a folder on your computer.
3. Log into the Range Extender (default http://tew-822dre)
4. Click on **Tools** and then **Upload Firmware.**
5. Click **Browse ...** and navigate to the folder on your computer in which the unzipped firmware file (.bin) is.
6. Located and select it the firmware file.
7. Click **Upload**.

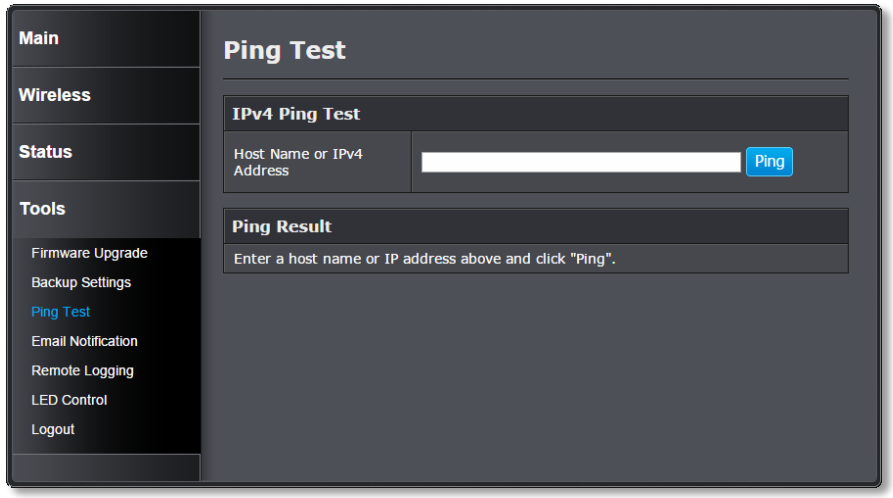
Tools - Backup Settings



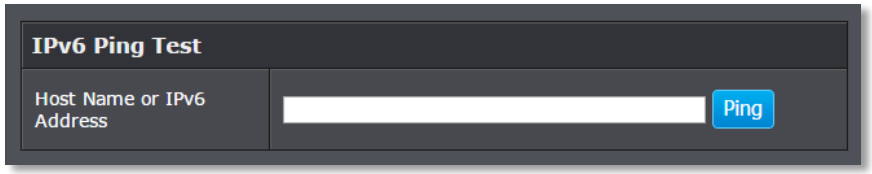
Save System Settings	Click **Save** to export settings to your computer.
Restore System Settings	To restore settings previously saved on your computer, click **Choose File** to select a configuration file and then click **Load** to import the previous settings.
Restore Factory Default Settings	Click **Factory Default** to restore settings to factory defaults.
System Reboot	Click **Reboot** to reboot your TEW-822DRE.

Tools - Ping Test

To check your network connection, you can use the **PING Test** tool from yourTEW-822DRE. Enter the IPv4 address you want to ping and click **Ping**. The result will be showed in the terminal down below.

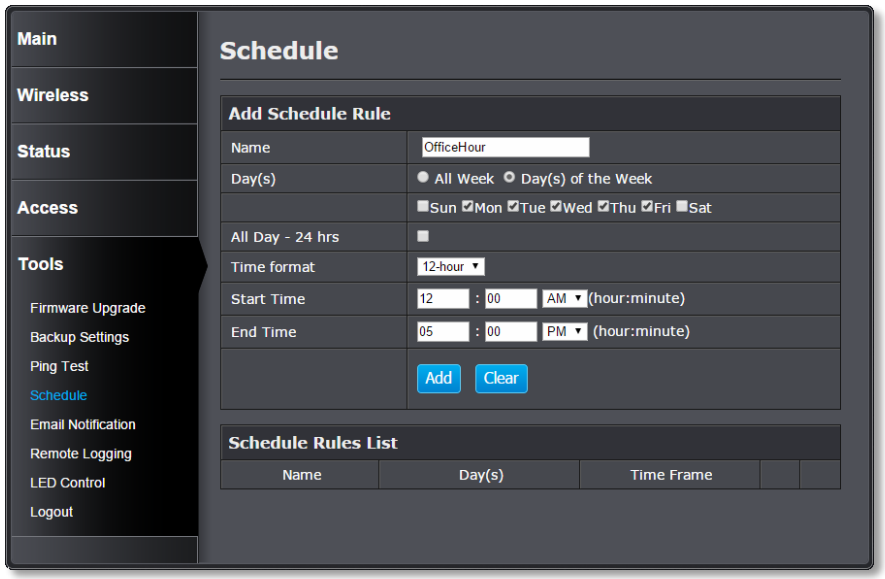


If you are in **Access Point** operation mode, you can ping the IPv6 address as well. Enter the IPv6 address you want to ping and click **Ping**.



Tools (Access Point Mode) - Schedule

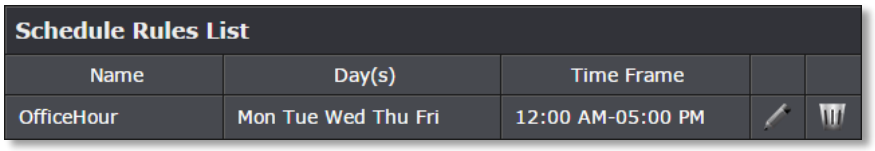
Together with other controls, you can set up the schedule to enable or disable that feature. Set up daily or weekly schedule for power saving or security reasons.



Add Schedule Rule	
Name :	Name the schedule in a comprehensive way.
Days :	Check the days of the week you want to schedule applies to.
All Day–24 hrs :	Check this box if you want the schedule working through the day.
Time Format :	Select the 12 or 24 hour time format
Start time :	The starting hour and minute for this schedule
Start time :	The stopping hour and minute for this schedule

*Click **Add** to add a schedule entry.*

Edit a schedule



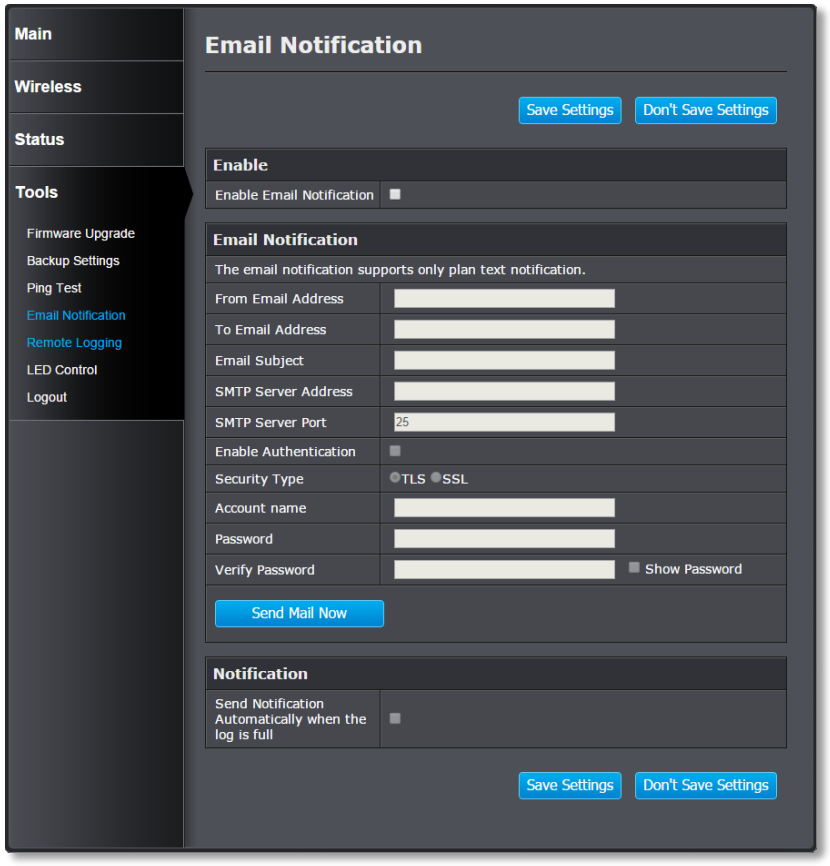
Click on the **Edit** icon on the schedule you want to edit. The schedule settings will be copied to the fields above. Change your settings and then click on **Update**.

Delete a schedule

To delete a schedule, click on the **Trash** icon on the schedule you want to delete.

Tools - Email Notification

TEW-822DRE can send out email notification when the system log is full.



Enable	
Enable Email Notification:	Check this box if you want to enable the email notification.

Email Notification	
From Email Address:	Enter the email address where the email notification is sending from.
To Email Address:	Enter the email address to send the logs
Email Subject:	Enter the email subject to use when logs are sent
SMTP Server Address:	Enter the SMTP server address of the email address used
SMTP Server Port:	Enter the SMTP port used on the email address
Enable Authentication:	Select this option to authenticate the email address
Security Type:	Choose security type between TLS and SSL.
Account Name:	Enter the account name used on the email address
Password:	Enter the password of the email address used.
Verify Password:	Enter the password again for verification.
Send Mail Now:	Click this button the send the test email immediately.

Notification	
Send Notification when the log is full:	Check this box to send log with email notification automatically.

Tools - Remote Logging

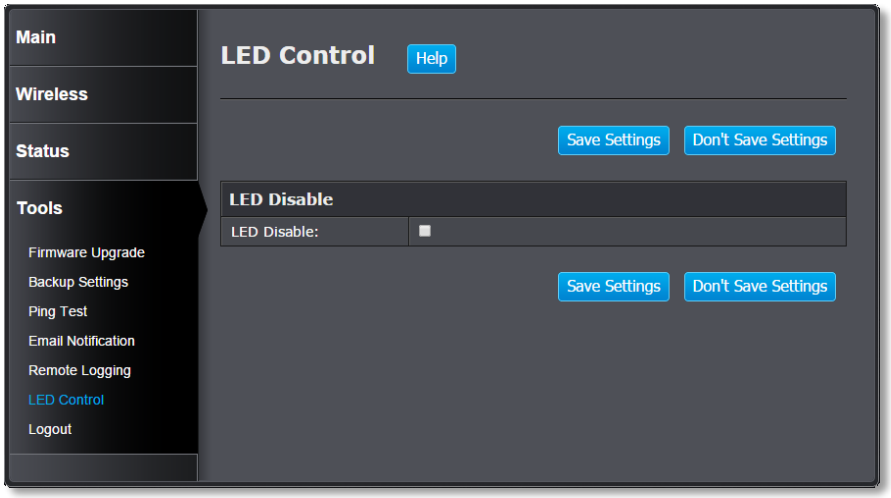
To save the system log to remote Syslog Server to real time monitor your TEW-822DRE, you can setup the Syslog Service Settings to send the system log over the network.

Syslog Server	
Enable Logging to Syslog Server :	Check this box to start sending logs remotely to Syslog server.
Syslog Server IP Address:	Enter the Syslog Server IP address.

*Click **Save Settings** to save the changes*

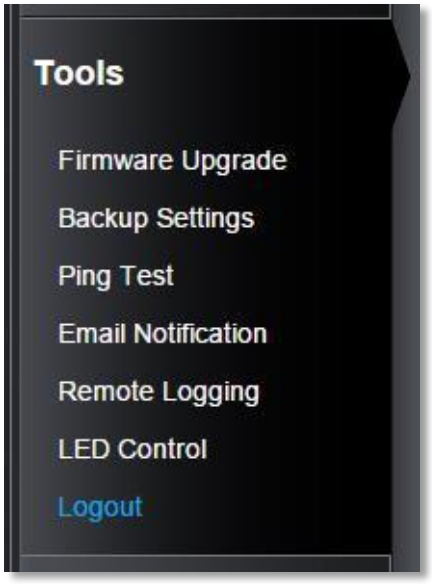
Tools - LED Control

All LED indicators are turned on by default. You can turn them off so they are not create weird lighting at night. Check on the **LED Disable** and then **Save Settings** to disable all LEDs.



Tools - Logout

Logout from the system management securely.



Technical Specifications

Wireless Modulation:	BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM with OFDM
Antenna:	External antenna
Frequency:	• FCC: 2.412 - 2.462 GHz, 5.180 - 5.240 GHz, 5.745 - 5.825 GHz • ETSI: 2.412 - 2.472 GHz, 5.180 - 5.580 GHz, 5.660 - 5.700 GHz
Wireless Channels:	• FCC: 1 -11, 36, 40, 44, 48, 149, 153, 157, 161, 165 • ETSI: 1 – 13, 36, 40, 44, 48, (52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140) *Due to regulatory requirements, the wireless channels specified cannot be statically assigned, but will be available within the available wireless channels when set to auto.*
Data Rate:	• 802.11ac: up to 867 Mbps (Auto Fallback) • 802.11a: up to 54 Mbps • 802.11n: up to 300 Mbps (Auto Fallback) • 802.11g: up to 54 Mbps • 802.11b: up to 11 Mbps
Output Power:	• 802.11a: FCC: 22 dBm (typical), CE: 20 dBm (typical) @ 54 Mbps • 802.11b: FCC: 20 dBm (typical), CE: 20 dBm (typical) @ 11 Mbps • 802.11g: FCC: 27 dBm (typical), CE: 20 dBm (typical) @ 54 Mbps • 802.11n: FCC: 27 dBm (typical), CE: 20 dBm (typical) @ 300 Mbps • 802.11ac: FCC: 26 dBm (typical), CE: 20 dBm (typical) @ 867 Mbps
Receiving Sensitivity:	• 802.11a: -65 dBm (typical) @ 54 Mbps • 802.11b: -83 dBm (typical) @ 11 Mbps • 802.11g: -65 dBm (typical) @ 54 Mbps • 802.11n: -61 dBm (typical) @ 300 Mbps • 802.11ac: -51 dBm (typical) @ 867 Mbps
Encryption:	64/128-bit WEP, WPA / WPA2-PSK

**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

Situation: I typed http://tew-822dre but I am not able to access the unit. What should I do?

Solution:

The host name resolution is good for most systems, including Windows, OS X, and iOS. Please enter the IP address (default: 192.168.10.100) if you experience difficulty in accessing the range extender.

Proceed following steps for correct name resolution.

1. Turn the TEW-822DRE's operating mode switch to **Extender** or **AP**.
2. Reset the device to factory default settings by pushing the reset button for 5 seconds.
3. Make sure you have a good wireless connection to the default SSID: **TRENDnet822_5GHz_xxxx**, **TRENDnet822_2.4GHz_xxxx,** or connect to the TEW-822DRE using a network cable. The default wireless password is printed on the device label on same side of the power plug.
4. Make sure your laptop/PC is not joined to any network domain.
5. Open a browser and type **http://tew-822dre** (You must enter the leading **http://** to resolve the text as a host name)

Situation: How do I reset the device to factory default?

Solution:

1. Use a pin such as a staple to press and hold the reset button at the bottom of the TEW-822DRE for 5 seconds.
2. You can also reset from the management page.

Situation: I entered **http://192.168.10.100** but I am not able to access the unit. What should I do?

Solution:

1. Turn the TEW-822DRE's operating mode switch to **Extender** or **AP**.
2. Reset the device to factory default settings by pushing the reset button for 5 seconds.
3. Make sure you have a good wireless connection to the default SSID: **TRENDnet822_5GHz_xxxx**, **TRENDnet822_2.4GHz_xxxx,** or connect to the TEW-822DRE using a network cable. The default wireless password is printed on the device label on same side of the power plug.
4. Make sure your computer has no other network connections. For example, if you access TEW-822DRE through wireless, disconnect your Ethernet cable.
5. Open a browser and enter **http://192.168.10.100**

Situation: How do I make sure my unit is connected to a router or an AP?

Solution:

The LED will turn solid blue when the TEW-822DRE is successfully connected to a router or an AP.

Situation: How can I access the TEW-822DRE once it is setup?

Solution:

You can use its host name (http://tew-822dre) or IP address to access the TEW-822DRE. After repeater setup, the TEW-822DRE will get an IP address from your router (DHCP). Check the DHCP client list on your router if you want to access the TEW-822DRE with its IP address.

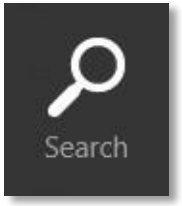
Appendix

How to setup a static IP address on your computer

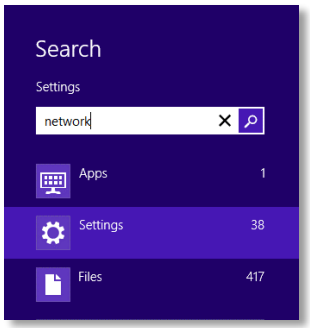
Note: Before setup, make sure that you have a unique static IP address available which will not cause the network address collision.

Windows 8

1. Open the Charms bar by moving the mouse to the top right corner of the screen or press the **Windows Key + C** and click on Search.

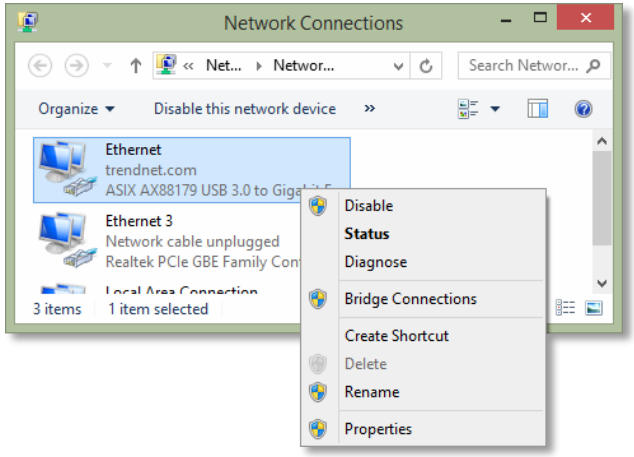


2. Type "network" in the search box and click Settings to focus your search.

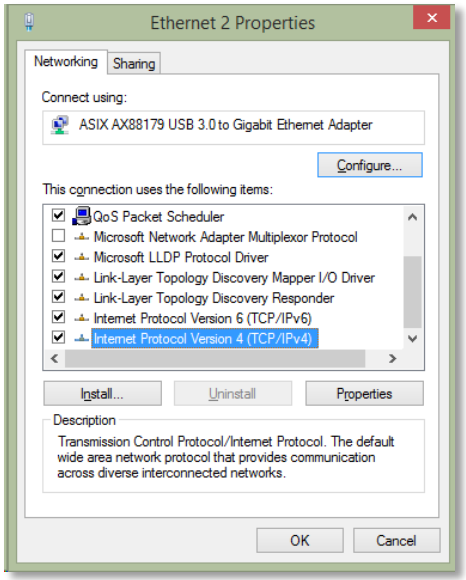


3. Choose **View Network Connections**

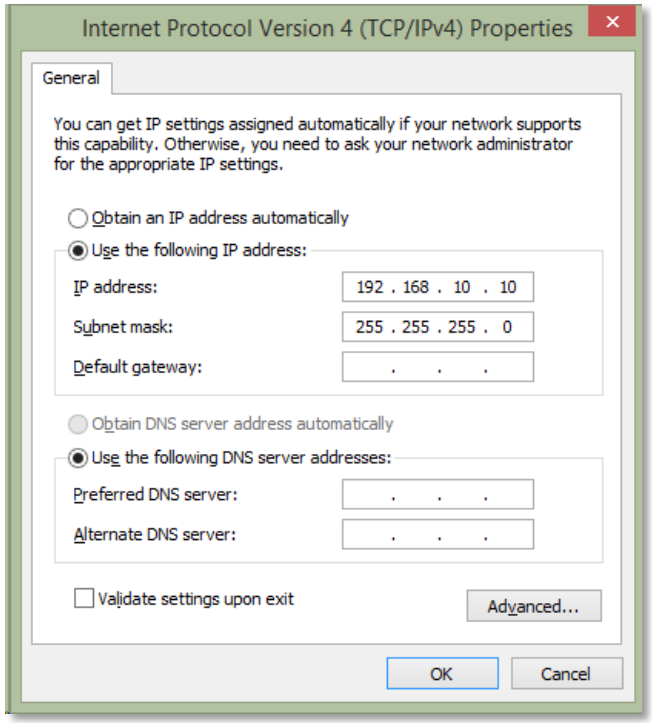
4. Click **Properties** on the selected network adapter.



5. Select **Internet Protocol Version 4 (TCP/IPv4)** and then click **Properties**.

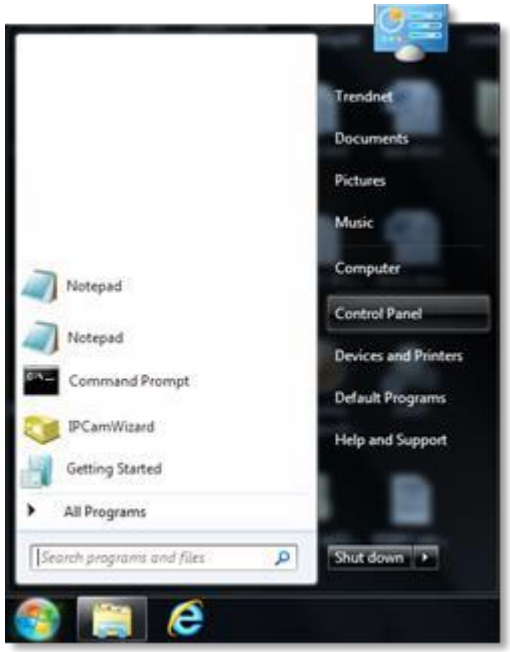


6. Click **Use the following address** and enter the static IP address and related information. For setting up the TRENDNET PRODUCT, you can enter 192.168.10.10 as your IP address, 255.255.255.0 as the Subnet mask. Leave the other fields blank. Click **OK** to apply the changes.

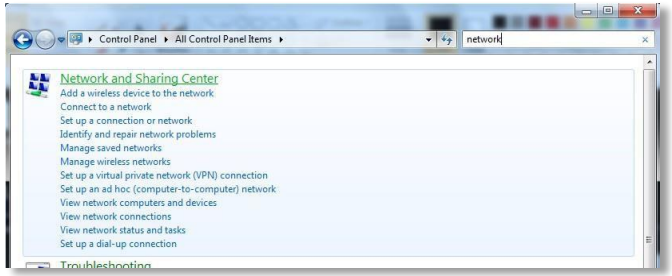


Windows 7

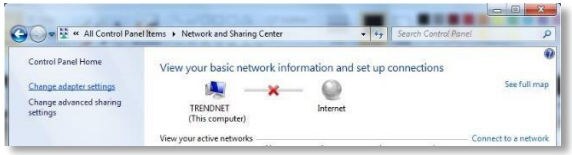
1. Click **Control Panel** from the **Start** menu.



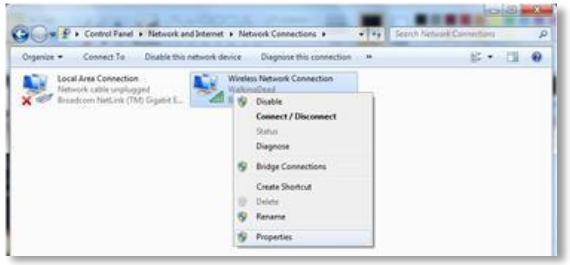
2. Type "network" in the search box to focus your selection. Click on **Network and Sharing Center**



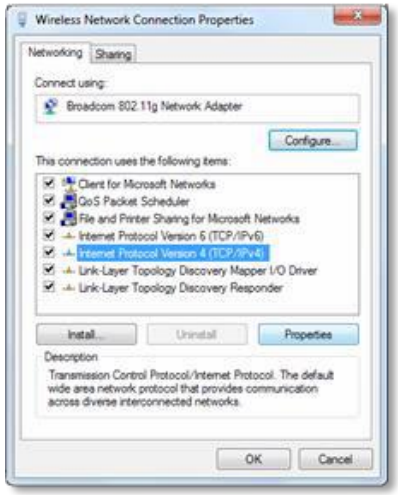
3. Click **Change adapter settings** on the left-hand side.



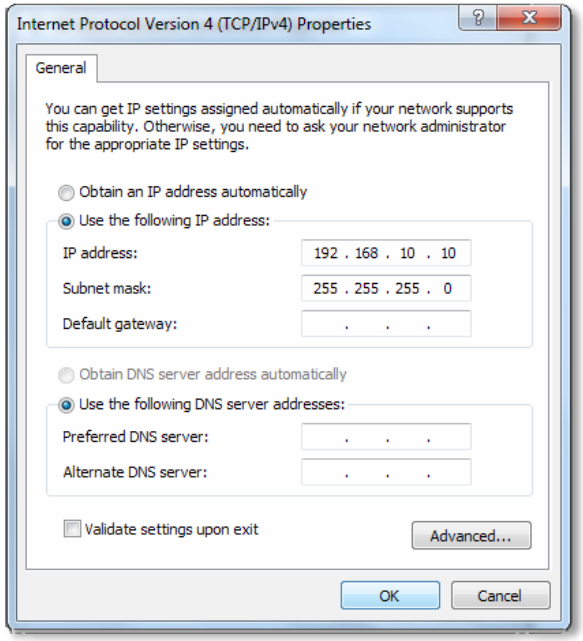
4. Click **Properties** on the selected network adapter.



5. Select **Internet Protocol Version 4 (TCP/IPv4)** and then click Properties

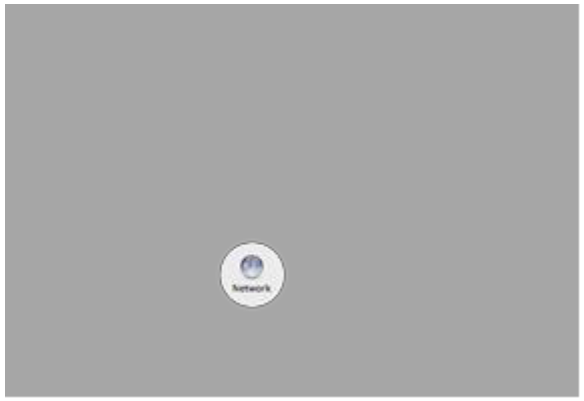


6. Click Use the following address and enter the static IP address and related information. For setting up the TRENDNET PRODUCT, you can enter 192.168.10.10 as the IP address, 255.255.255.0 as the Subnet mask. Leave other fields blank. Click OK to apply the changes.



OS X

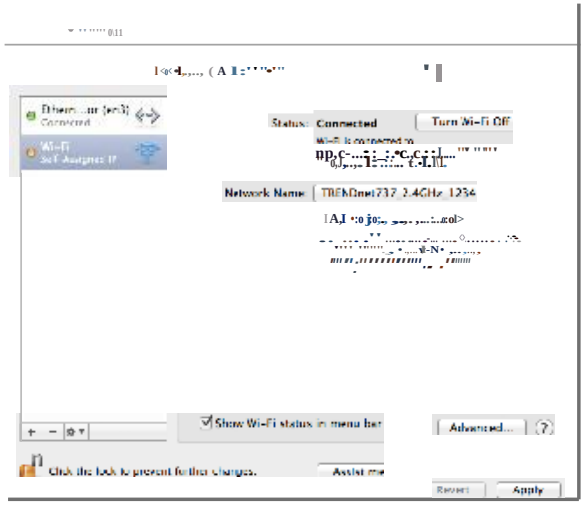
1. Click the **Apple logo** in the top-left corner of your screen. Click on **System Preferences...** . In the Internet and Wireless section, click on **Network**.



2. Select the network card you want to configure on the left banner (e.g. Wi-Fi). Click **Advanced**.

3. Choose TCP/IP. In Configure IPv4, select Manually. Input the static IP address, subnet mask, and your router IP address. (In order to setup the TRENDNET PRODUCT, you can put in 192.168.10.10 as the IP address, 255.255.255.0 as the subnet mask and leave router in blank. Click **OK** to exit advanced setup.

4. Click **Apply** to apply the changes.



Regulations

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:

Operation of this device is restricted to indoor use only.

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.

Industry Canada

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution:

the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

Avertissement:

les dispositifs fonctionnant dans la bande de 5150 à 5250MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

Radiation Exposure Statement:

This equipment complies with IC 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.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Europe – EU Declaration of Conformity

TRENDnet hereby declare that the product is in compliance with the essential requirements and other relevant provisions under our sole responsibility.

CE

Safety
EN 60950-1:2006+A11:2009+A1:2010+A12:2011 + A2: 2013
IEC 60950-1:2005 (2nd Edition) Am 1:2009

EMC
EN 55022: 2010 + AC: 2011 Class B
EN 55024: 2010
EN 301 489-1 V1.9.2: 09-2011
EN 301 489-17 V2.2.1: 09-2012

Radio Spectrum & Health
EN 300 328 V1.8.1 : 06-2012
EN 301 893 V1.7.1 : 06-2012
EN 62311: 2008

Energy Efficiency
Regulation (EC) No. 1275/2008, Regulation, No. 278/2009, No. 801/2013

This product is herewith confirmed to comply with the Directives.

Directives
Low Voltage Directive 2006/95/EC
EMC Directive 2004/108/EC
R&TTE Directive 1999/5/EC
Ecodesign Directive 2009/125/EC
RoHS Directive 2011/65/EU
REACH Regulation (EC) No. 1907/2006

This device is a 2.4 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.

Česky [Czech]	TRENDnet tímto prohlašuje, že tento TEW-822DRE je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES, 2006/95/ES a 2009/125/ES.
Dansk [Danish]	Undertegnede TRENDnet erklærer herved, at følgende udstyr TEW-822DRE overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF, 2006/95/EF og 2009/125/EF.
Deutsch [German]	Hiermit erklärt TRENDnet, dass sich das Gerät TEW-822DRE in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG, 2006/95/EG und 2009/125/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab TRENDnet seadme TEW-822DRE vastavust direktiivi 1999/5/ EÜ, 2006/95/ EÜ ja 2009/125/ EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	Hereby, TRENDnet, declares that this TEW-822DRE is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/CE, 2006/95/CE and 2009/125/CE.
Español [Spanish]	Por medio de la presente TRENDnet declara que el TEW-822DRE cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE, 2006/95/CE y 2009/125/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑTRENDnet ΔΗΛΩΝΕΙ ΟΤΙ TEW-822DRE ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ, 2006/95/ΕΚ, 2009/125/ΕΚ και.
Français [French]	Par la présente TRENDnet déclare que l'appareil TEW-822DRE est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE, 2006/95/CE et 2009/125/CE.
Italiano[Italian]	Con la presente TRENDnet dichiara che questo TEW-822DRE è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE, 2006/95/CE e 2009/125/CE.
Latviski [Latvian]	AršoTRENDnetdeklarē, ka TEW-822DRE atbilstDirektīvas 1999/5/EK, 2006/95/EK un 2009/125/EK būtiskajāmprasībām un citiemar to saistītajiemnoteikumiem.
Lietuvių [Lithuanian]	Šiuo TRENDnet deklaruoja, kad šis TEW-822DRE atitinka esminius reikalavimus ir kitas 1999/5/EB, 2006/95/EB ir 2009/125/EB Direktyvos nuostatas.
Nederlands [Dutch]	Hierbij verklaart TRENDnet dat het toestel TEW-822DRE in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG, 2006/95/EG en 2009/125/EG.
Malti [Maltese]	Hawnhekk, TRENDnet, jiddikjara li dan TEW-822DRE jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/KE, 2006/95/KE u 2009/125/KE.
Magyar [Hungarian]	Alulírott, TRENDnet nyilatkozom, hogy a TEW-822DRE megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EK, 2006/95/EK és a 2009/125/EK irányelv egyéb elõírásainak.
Polski [Polish]	Niniejszym TRENDnet oświadcza, że TEW-822DRE jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/WE, 2006/95/WE i 2009/125/WE.
Português [Portuguese]	TRENDnet declara que este TEW-822DRE está conforme com os requisitos essenciais e outras disposições da Directiva1999/5/CE, 2006/95/CE e 2009/125/CE.
Slovensko [Slovenian]	TRENDnet izjavlja, da je ta TEW-822DRE v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive1999/5/ES, 2006/95/ES in 2009/125/ES.
Slovensky [Slovak]	TRENDnettýmtovyhlasuje, že TEW-822DRE spĺňazákladnépožiadavky a všetkypríslušnéustanovenia Smernice 1999/5/ES, 2006/95/ES a 2009/125/ES.
Suomi [Finnish]	TRENDnet vakuuttaa täten että TEW-822DRE tyyppinen laite on direktiivin1999/5/EY, 2006/95/EY ja 2009/125/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]	Härmed intygar TRENDnet att denna TEW-822DRE 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.

RoHS

This product is RoHS compliant.

ErP Statement

Česky [Czech]	Toto síťové zařízení je rok Energy Související produkt (ErP ou dopisem), automaticky přepne do úsporného pohotovostního módu do 10 minut bez datového přenosu síly. Když přístroj nepoužíváte, lze jej ict vypnut pomocí tlačítka napájení, nebo jednoduše odpojte napájecí adaptér pro další úspory energie. Síťové standby: 4,79W Off Mode: 0,16W
Dansk [Danish]	Denne netværksenhed er år Energy Related Produkt (ErP ou ved brev) skifter automatisk til en strømbesparende standby mode Inden for 10 minutter uden datatransmission. Når apparatet ikke er i brug kan det være ict drevet ned ved hjælp afbryderknappen, eller blot afbryde strømforsyningen til yderligere energibesparelser. Networked standby: 4.79 watt Slukket tilstand: 0.16. watt
Deutsch [German]	Dieses Netzwerkgerät ist ein Energy Related Product (ErP), das innerhalb von 10 Minuten ohne Datenübertragung automatisch in einen Stromsparmodus umschaltet. Wenn das Gerät nicht verwendet wird, kann es über die Ein-/Austaste heruntergefahren werden, oder ziehen Sie für zusätzliche Stromersparnis das Netzgerät aus der Steckdose. Vernetzt und in Bereitschaft: 4.79 Watt Ausgeschaltet: 0.16 Watt
Eesti [Estonian]	See võrguseade on aasta Energy Related Toode (ERP ou kirjas) Automaatselt lülitub energiasäästurežiimi ooterežiimis mood 10 minuti jooksul ei andmeedastust. Kui seade ei ole kasutuses võib see olla IKT väljalülitamisel kasutades toitenuppu või lihtsalt ühendage toiteadapter täiendava energiasäästu. Võrku ooterežiimis: 4.79W Väljalülitatud olek: 0.16W
English	This network device is an Energy Related Product (ErP) that automatically switches to a power saving standby mode within 10 minutes of no data transmission. When the device is not in use it can be powered down using its power button, or simply disconnect the power adapter for additional energy savings. Networked standby mode:4.79 watts Off mode: 0.16 watts
Español [Spanish]	Este dispositivo de red es un producto relacionado con la energía (ErP) que pasa automáticamente a un modo en espera, de ahorro de energía, tras 10 minutos de ausencia de transmisión de datos. Cuando el dispositivo no está en uso, se puede apagar utilizando el botón de alimentación, o simplemente desconectar el adaptador de corriente para optimizar el ahorro de energía. Modo de espera en red: 4.79W Modo apagado: 0.16W
Ελληνική [Greek]	Αυτή η συσκευή δικτύου είναι η χρονιά Ενέργειας Σχετικά Προϊόν (ERP ou με επιστολή) μεταβαίνει αυτόματα σε κατάσταση εξοικονόμησης μόδας Μέσα σε 10 λεπτά χωρίς μετάδοση δεδομένων εξουσία. Όταν η συσκευή δεν είναι σε χρήση μπορεί να ΤΠΕ κινούνται προς τα κάτω χρησιμοποιώντας το κουμπί τροφοδοσίας, ή απλά αποσυνδέστε το τροφοδοτικό για πρόσθετη εξοικονόμηση ενέργειας. Δικτυωμένη αναμονής: 4.79 watts Κατάσταση εκτός λειτουργίας: 0.16watts
Français [French]	Ce périphérique réseau est un Energy Related Product (ErP) qui passe automatiquement en mode veille, économisant l'énergie, après 10 minutes sans transfert de données. Lorsque le périphérique n'est pas utilisé, il peut être éteint en utilisant le bouton d'alimentation, ou simplement déconnecté en débranchant l'adaptateur secteur pour obtenir davantage d'économies d'énergie. Mode veille en réseau : 4.79Watt Mode éteint : 0.16Watt
Italiano[Italian]	Questo apparato di rete è un Energy Related Product (ErP) il quale commuta automaticamente in una modalità standby entro 10 minuti dall'interruzione della trasmissione di dati. Quando l'apparato non viene utilizzato, può essere spento tramite il tasto di accensione, o si può scollegare l'alimentatore, per ottenere un maggior risparmio di energia. Modalità standby in rete: 4.79watt Modalità spento: 0.16watt
Latviski [Latvian]	Šis tīkls ierīce ir gads enerģiju saistītiem ražojumiem (ERP ou ar vēstuli) Automātiski pārslēdzas uz enerģijas taupīšanas gaidstāves modi laikā 10 minūšu laikā bez datu pārraides. Ja ierīce nav izmantota to var IKT powered leju, izmantojot barošanas pogu, vai vienkārši atvienojiet strāvas adapteris papildu enerģijas ietaupījumu. Networked gaidīšanas: 4.79vati Izslēgts režīms: 0.16vati
Lietuvių [Lithuanian]	Šis tinklas įrenginys metus Energijos susiję produktai (ERP ou laišku) Automatiškai persijungia į energijos taupymo budėjimo mados Per 10 minučių be duomenų perdavimo. Kai prietaisas nenaudojamas, jis gali būti ict išjungtas naudojant maitinimo

	mygtuką, arba tiesiog atjunkite maitinimo adapterį sutaupyti dar daugiau energijos. Tinklo budėjimo: 4.79W Išjungimo būsena: 0.16W
Nederlands [Dutch]	Dit netwerkapparaat is jaar-energie gerelateerde product (ErP ou per brief) schakelt automatisch naar een energiebesparende stand-by mode Binnen 10 minuten geen gegevensoverdracht. Wanneer het apparaat niet in gebruik kan worden ict uitgeschakeld met behulp van uit-knop, of koppelt gewoon een oplader voor een extra energiebesparing. Networked standby: 4.79watt Off Mode: 0.16watt
Malti [Maltese]	Dan il-mezz netwerk huwa sena Enerġija Prodott Related (ERP ou b'ittra) Awtomatikament swiċċijiet għal iffrankar ta 'enerġija moda standby Fi żmien 10 minuta ta' l-ebda trażmissjoni tad-data. Meta l-mezz ma jkunx qed jintuża jista 'jiġi ICT powered isfel bl-użu buttuna l-enerġija, jew sempliċiment skonnettja l-adapter enerġija għal iffrankar addizzjonali tal-enerġija. Standby f'netwerk: 4.79watts Modalità Mitfija: 0.16watts
Magyar [Hungarian]	Ez a hálózat a készülék éves energiával kapcsolatos termék (ErP ou levélben), automatikusan átvált egy energiatakarékos készenléti mód 10 percen belül nincs adatátvitel. Ha a készülék nincs használatban, akkor lehet, IKT áramtalanítani a bekapcsoló gombot, vagy egyszerűen húzza ki a hálózati adaptert a további energia-megtakarítás. Hálózatba készenlét: 4.79watt Kikapcsolt üzemmód: 0.16watt
Polski [Polish]	To urządzenie sieciowe jest rok energetyczna produktu związanego (ErP ou listownie) automatycznie przełącza się na energooszczędny gotowości modę W ciągu 10 minut bez transmisji danych. Kiedy urządzenie nie jest używane, można go ICT wyłączony za pomocą przycisku zasilania, lub po prostu odłączyć zasilacz na dodatkowe oszczędności energii. Networked standby: 4.79watów Tryb wyłączenia: 0.16watów
Português [Portuguese]	Este dispositivo de rede é um Produto de Consumo de Energia (ErP) que alterna automaticamente para modo de espera com economia de energia após 10 minutos sem transmissão de dados. Quando o dispositivo não está sendo usado pode ser desligado no botão de energia, ou simplesmente desligando o adaptador de corrente para economia de energia adicional. Modo de espera em rede: 4.79watts Modo off: 0.16watts
Slovensko [Slovenian]	Ta mreža naprava je leto Energy Podobni izdelek (ErP ou z dopisom), samodejno preklopi na varčevanje z energijo v stanju pripravljenosti moda roku 10 minut brez prenosa podatkov. Ko je naprava ni v uporabi, je lahko ict napaja navzdol z gumbom za vklop, ali pa preprosto odklopite napajalnik za dodatne prihranke energije. Networked pripravljenosti: 4.79W Način izklopa: 0.16W
Slovensky [Slovak]	Toto sieťové zariadenie je rok Energy Súvisiaci produkt (ErP ou listom), automaticky prepne do úsporného pohotovostného módu do 10 minút bez dátového prenosu sily. Keď prístroj nepoužívate, možno ho ict vypnutý pomocou tlačidla napájania, alebo jednoducho odpojte napájací adaptér pre ďalšie úspory energie. Sieťové standby: 4,79W Off Mode: 0,16W
Suomi [Finnish]	Tämä verkkolaite on vuosi Energy Related Product (ErP ou kirjeitse) Automaattinen vaihto virransäästö valmiustilassa muoti 10 minuutin kuluessa tiedon siirto. Kun laite ei ole käytössä se voidaan ICT sammutettu käyttämällä virtakytkintä, tai yksinkertaisesti irrota virtalähde ylimääräisiä energiasäästöjä. Verkottunut valmiustilassa: 4.79wattia Pois päältä -tila: 0.16 wattia
Svenska [Swedish]	Denna nätverksenhet är år Energy relaterad produkt (ErP ou per brev) Växlar automatiskt till ett energisparande vänteläge mode Inom 10 minuter utan dataöverföring. När enheten inte används kan det vara ict avstängd med hjälp av strömbrytaren, eller helt enkelt koppla loss nätadaptern för ytterligare energibesparingar. Networked standby: 4.79watt Avstängd: 0.16watt

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