TP-LINK®
The Reliable Choice

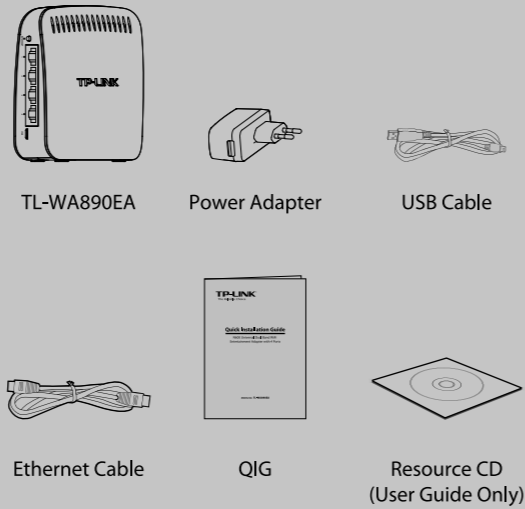## Quick Installation Guide

N600 Universal Dual Band WiFi
Entertainment Adapter with 4 Ports
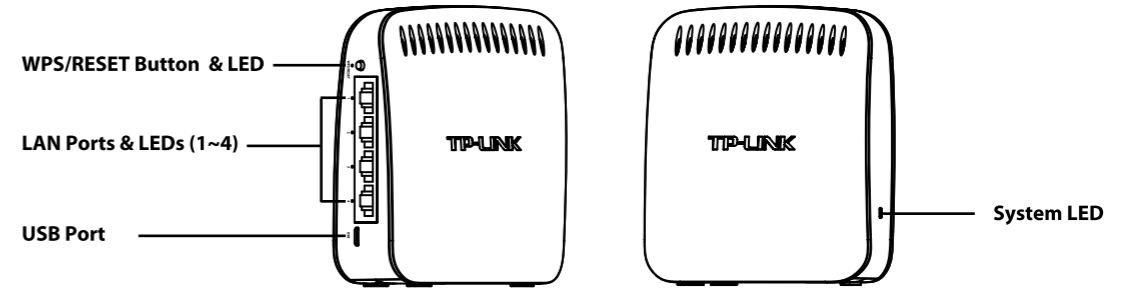
MODEL NO. **TL-WA890EA**

Package Contents

TL-WA890EA   Power Adapter   USB Cable

Ethernet Cable   QIG   Resource CD
(User Guide Only)

System Support

· Windows 8   · Windows 7   · Windows Vista   · Windows XP
· Mac OS   · UNIX   · Linux

Physical Description

WPS/RESET Button & LED

LAN Ports & LEDs (1~4)

USB Port

System LED

Item		Description
WPS/RESET	Button	Press the button for 1 - 2 seconds to enable WPS function. Press the button for 5 - 8 seconds to reset TL-WA890EA.
WPS/RESET	LED	When the WPS LED keeps **blinking**, TL-WA890EA is connecting to the root device; then the WPS LED will be **solid** for 5 minutes and then turn **off**, after the connection succeeds.
LAN	Ports (1-4)	To connect the client(s) to TL-WA890EA with Ethernet cable(s).
LAN	LEDs (1-4)	The LAN LED(s) will turn **on** when the corresponding port(s) is connected to a client. The LAN LED(s) will keep **blinking** when there is data transferring. The LAN LED(s) will turn **off** when the corresponding port(s) is disconnected.
USB	Port	To connect TL-WA890EA to the power adapter with an USB cable.
System	LED	When the powered-on device isn't connected or fails the connection, the System LED will light **orange**. When the device is connected successfully, the system LED will light **blue**.

Method One » » Setup via Button   *If your wireless router supports WPS function and also is equipped with a WPS button, please take this method to set up the device quickly.*

1 Follow the steps below to finish the hardware installation.

Step 1: Connect one end of the USB cable to the USB port of the TL-WA890EA, and the other end to the power adapter; then plug the power adapter to a standard wall socket.

Step 2: Connect your entertainment device(s) or other network-enabled devices with an Ethernet port (such as Blu-ray™players, gaming consoles, DVRs, smart TVs, etc.) to TL-WA890EA with Ethernet cable(s).
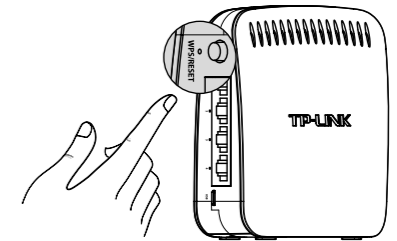
Note
• Please ensure that your device(s) connected to TL-WA890EA is configured to "Obtain an IP address automatically".
• If you use this method to set up the device, please do place the device as near as possible to the main router/AP, and then you can adjust the location as you need after the successful connection.

DVR
Blu-ray
Gaming Console
Smart TV

TL-WA890EA
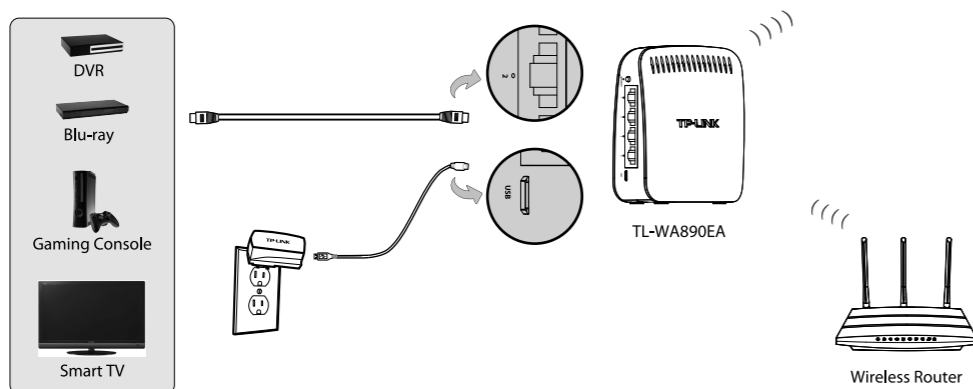
Wireless Router

2 Push the **WPS** button (or called QSS button on some wireless router) on the wireless router.
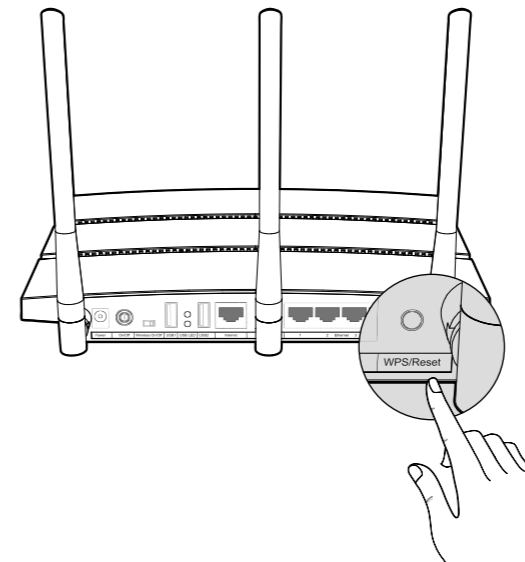
WPS/Reset

**3** Within 2 minutes, press the **WPS/RESET** button on the TL-WA890EA.

4 When the connection LED turns **blue** from orange, the TL-WA890EA has been successfully connected to the wireless router. Now, your device(s) connected to the TL-WA890EA should have the Internet access.

Light BLUE
Congratulations!
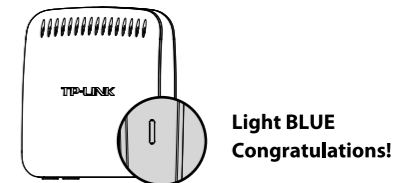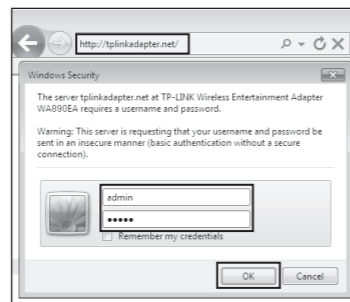
Method Two » » Setup via Web Browser

If your wireless router doesn't have a WPS button, please take this method to set up the device.

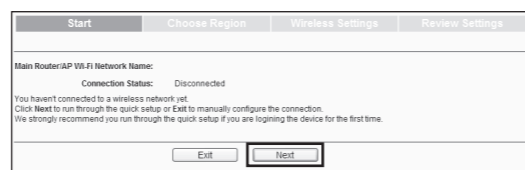**1** Connect your PC to the TL-WA890EA with an Ethernet cable.
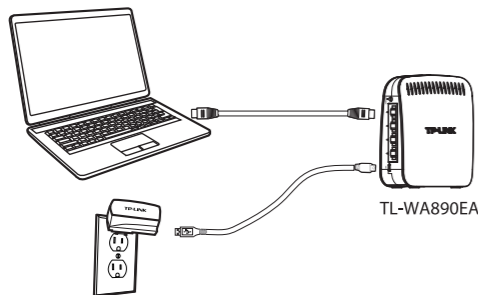
TL-WA890EA

⚠**Note**
- Please ensure that your PC connected to the TL-WA890EA is configured to "Obtain an IP address automatically".
- It's strongly recommended that you disconnect the PC's wired or wireless connection with the router. You can restore it when you finish the setup.

2 Open your web browser and type **http://tplinkadapter.net** in the address field. Enter the default username and password **admin**, and then click **OK** to log in.

Windows Security

The server tplinkadapter.net at TP-LINK Wireless Entertainment Adapter WA890EA requires a username and password.

Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).

admin
●●●●●
☐ Remember my credentials

OK   Cancel

3 You will see the Quick Setup page after successful login. Click **Next** to get started.

| Start | Choose Region | Wireless Settings | Review Settings |

Main Router/AP Wi-Fi Network Name:
Connection Status: Disconnected
You haven't connected to a wireless network yet.
Click Next to run through the quick setup or Exit to manually configure the connection.
We strongly recommend you run through the quick setup if you are logining the device for the first time.

Exit   **Next**

4 Select your **Country/Region** and then click **Next** to continue.

| Start | Choose Region | Wireless Settings | Review Settings |

Region: Please Select Your Country/Region
Please select your own region from the drop-down list to avoid illegal usage beyond the local law.

Back   Next

5 Wait a few seconds while TL-WA890EA is detecting the existing wireless networks.

| Start | Choose Region | Wireless Settings | Review Settings |

The device is detecting the wireless networks in your neighborhood. Please wait a few seconds.
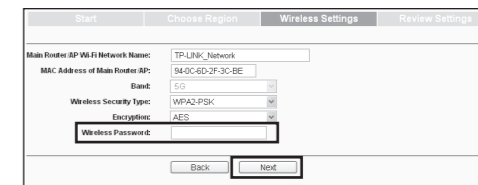
Detecting the existing wireless networks...
44%
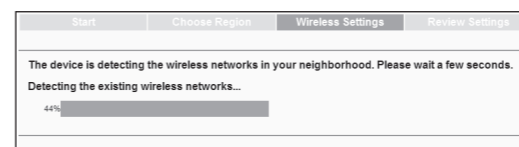
6 Find the SSID of your main router/AP (here we take TP-LINK_Network for example), check the box in front of it, and then click **Next** to continue.
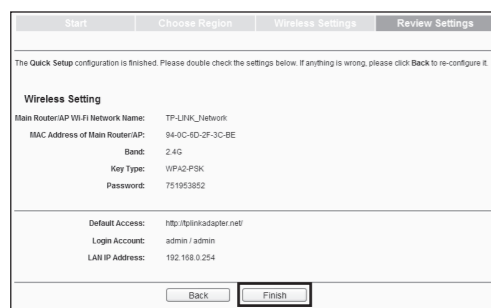
| Start | Choose Region | Wireless Settings | Review Settings |

Available Wireless Networks: 7   Back Rescan Next

Choose	SSID	Signal	MAC	Channel	Security Type
☐	TP-LINK_FE0C6E		00-0A-EB-13-7B-00	6(2.4G)	None
☑	TP-LINK_Network		20-AA-4B-FC-1B-97	44(5G)	WPA2-PSK
☐	TP-LINK_4D57A2		26-AA-4B-FC-1B-97	52(4G)	WPA2-PSK
☐	TP-LINK_123456		32-85-A9-E8-BF-75	44(5G)	None
☐	TP-LINK_4D57A2		32-85-A9-E8-BF-76	44(5G)	None
☐	TP-LINK_C7067		32-85-A9-E8-BF-77	5(2.4G)	WPA2-PSK
☐	TP-LINK_84AF3A		32-85-A9-E8-BF-73	1(2.4G)	None

Back Rescan Next

⚠**Note**
- If your main router/AP is dual-band, you're recommended to select its 5GHz frenquency band for better performance.
- If you could not find your wireless network name (SSID) in the list, you can click **Rescan** to redetect it.

7 Enter the **Wireless Password** of your main router/AP, and then click **Next** to continue.

| Start | Choose Region | Wireless Settings | Review Settings |

Main Router/AP Wi-Fi Network Name: TP-LINK_Network
MAC Address of Main Router/AP: 94-0C-6D-2F-3C-BE
Band: 5G
Wireless Security Type: WPA2-PSK
Encryption: AES
Wireless Password:

Back   Next

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8 Double-check your wireless setting. If verified, click **Finish** to complete the Quick Setup. If anything wrong, you may click **Back** to change any of the settings.

| Start | Choose Region | Wireless Settings | Review Settings |

The Quick Setup configuration is finished. Please double check the settings below. If anything is wrong, please click Back to re-configure it.

Wireless Setting:
Main Router/AP Wi-Fi Network Name: TP-LINK_Network
MAC Address of Main Router/AP: 94-0C-6D-2F-3C-BE
Band: 2.4G
Key Type: WPA2-PSK
Password: 751953852

Default Access: http://tplinkadapter.net/
Login Account: admin / admin
LAN IP Address: 192.168.0.254

Back   Finish

9 Having finished the web-page setup of the TL-WA890EA, you can connect your entertainment device(s) to the TL-WA890EA and have Internet access.

DVR
Blu-ray
Gaming Console
Smart TV
TL-WA890EA
Wireless Router
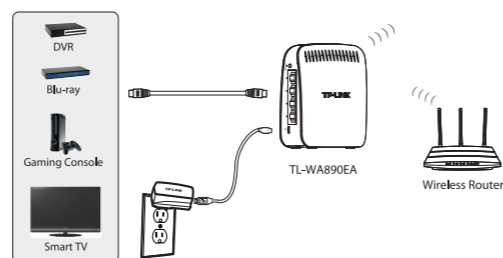
⚠**Note**
Please ensure your device(s) connected to the TL-WA890EA is configured to "Obtain an IP address automatically".

Troubleshooting

T1. Can I power on TL-WA890EA by connecting it to a nearby device via the USB cable?

Sorry, you cannot. We strongly suggest you only use the power adapter attached in the package for power supply, as the entertainment adapter TL-WA890EA may not gain enough power supply from the other devices.

T2. What can I do if I cannot log in the web management page after I type *http://tplinkadapter.net* **in my browser?**

1) Please make sure your hardware connection is OK. You can confirm this by the LAN LED on the side panel of TL-WA890EA. If the LED of the LAN port, which your Ethernet cable is connected to, is lighting blue, your hardware connection is OK; otherwise, please check your hardware connection carefully.

2) Make sure your wired device's IP address is set as "Obtain an IP address automatically".

3) If the problem still persists, please feel free to contact our technical support.

T3. What should I do if my TL-WA890EA cannot connect to the main router/AP or its performance is unsatisfactory after the successful connection?

1) If you use Method One to set up the connection, please make sure your main router/AP isn't using WEP as the wireless security, as the WPS 2.0 standard does not support WEP encryption.

2) Please try another location where the TL-WA890EA is nearer to the main router/AP.

3) If your main router/AP is a dual-band product, please try to select 5GHz as its frequency band.

4) Do not place it near any devices that might cause wireless interference, such as cordless phones, blue tooth devices, microwave ovens, etc.