

TECKNET TK-WR177A1

TeckNet TK-WR177A1 300Mbps Wireless-N Repeater/AP Instruction Manual

Model: TK-WR177A1

1. INTRODUCTION

The TeckNet TK-WR177A1 is a versatile wireless device designed to extend the coverage and improve the signal strength of an existing wireless network. It supports 300Mbps wireless N speeds and features a compact, wall-mounted design for flexible placement. This device can function as a Wireless Repeater or a Wireless Access Point (AP). Additionally, its Ethernet port allows it to act as a wireless adapter, enabling wired devices to connect to a wireless network.

2. PACKAGE CONTENTS

Please check the package contents carefully. If any item is missing or damaged, contact your retailer.

- TeckNet TK-WR177A1 Wireless-N Repeater/AP
- Ethernet Cable
- Quick Installation Guide (This document serves as a detailed guide)



Image: TeckNet TK-WR177A1 product packaging. The box shows the model number WR177A1 and "UK WiFi Repeater".

3. PRODUCT OVERVIEW

Familiarize yourself with the physical features of your TeckNet TK-WR177A1 device.



Image: Front view of the TeckNet TK-WR177A1 Wireless-N Repeater. It features a white casing with a black central strip containing LED indicators and buttons, including a WPS button at the bottom.

3.1. LED Indicators and Buttons

- **Power LED:** Indicates the device is powered on.
- **WLAN LED:** Indicates wireless activity.
- **LAN LED:** Indicates Ethernet port activity.
- **WPS Button:** Used for quick, secure connection to a router via Wi-Fi Protected Setup.
- **Reset Button:** Used to restore the device to factory default settings. (Located on the side, recessed).



Image: Side view of the TeckNet TK-WR177A1, highlighting the LAN (Ethernet) port and the recessed Reset button.

3.2. Ethernet Port

The device includes one 10/100Mbps Auto-negotiation Ethernet LAN port. This port can be used for:

- Connecting a wired device (e.g., PC, smart TV, gaming console) to the wireless network when the TK-WR177A1 is in Repeater mode.
- Connecting the device to a router/modem to function as a Wireless Access Point (AP mode).



Image: TeckNet TK-WR177A1 with an Ethernet cable connected to its LAN port, demonstrating its wired connectivity.

4. SETUP AND CONFIGURATION

The TeckNet TK-WR177A1 supports two main operating modes: Wireless Repeater and Wireless Access Point (AP). It also features a convenient WPS setup.

4.1. Quick Setup using WPS (Wi-Fi Protected Setup)

WPS allows for a quick and secure connection without manual configuration. Ensure your main router supports WPS.

1. Plug the TK-WR177A1 into a power outlet near your main wireless router.
2. Wait for the Power LED to become solid.
3. Press the WPS button on your main wireless router.
4. Within 2 minutes, press the WPS button on the TK-WR177A1.
5. The WLAN LED on the TK-WR177A1 will flash during the connection process and then become solid when successfully connected.
6. Once connected, you can unplug the TK-WR177A1 and relocate it to a desired area within the wireless range of your main router. No re-configuration is needed.

4.2. Manual Setup (Web Browser)

If your router does not support WPS, or for advanced configuration, use the web browser method.

1. Plug the TK-WR177A1 into a power outlet.
2. Connect your computer to the TK-WR177A1 using an Ethernet cable (recommended for initial setup) or wirelessly connect to the default Wi-Fi network broadcast by the repeater (e.g., "Wireless-N").
3. Open a web browser and enter the default IP address: **192.168.10.1**. (This information is often found on a label on the device itself).
4. Enter the default username and password (usually **admin/admin** or similar, check the device label).
5. Follow the on-screen setup wizard to configure the device in either Repeater or AP mode.



Image: Back view of the TeckNet TK-WR177A1, showing the product label with default IP address (192.168.10.1) and user/password information.

5. OPERATING MODES

5.1. Repeater Mode

In Repeater mode, the TK-WR177A1 extends the range of your existing wireless network. It receives the wireless signal from your main router and re-broadcasts it, effectively eliminating Wi-Fi dead zones. The Ethernet port can be used to connect a wired device to the extended wireless network.

- Connect to an existing Wi-Fi network.
- Broadcasts an extended Wi-Fi network with the same or a different SSID.
- Provides network access to wired devices via its LAN port.

5.2. Access Point (AP) Mode

In AP mode, the TK-WR177A1 transforms a wired network connection into a wireless one. This is useful for adding Wi-Fi capability to a wired-only router or network switch.

- Connect the TK-WR177A1's LAN port to your wired router/modem using an Ethernet cable.
- The device will then broadcast a new wireless network, allowing wireless devices to connect to your wired network.

6. MAINTENANCE

6.1. Resetting the Device

If the device is not functioning correctly or you forget your login credentials, you can restore it to factory default settings.

1. With the device powered on, use a paperclip or a thin object to press and hold the recessed **Reset** button for approximately 5-10 seconds.
2. Release the button when the LEDs flash. The device will restart with factory default settings.

6.2. General Care

- Keep the device away from water, fire, and high temperatures.
- Do not attempt to disassemble or repair the device yourself.
- Ensure proper ventilation around the device.

7. TROUBLESHOOTING

Problem	Solution
Cannot access the web management page (192.168.10.1).	<ul style="list-style-type: none"> • Ensure your computer is connected to the repeater (either via Ethernet or its default Wi-Fi network). • Verify your computer's IP settings are set to "Obtain an IP address automatically". • Try a different web browser. • Reset the device to factory defaults and try again.
No internet access after setting up Repeater mode.	<ul style="list-style-type: none"> • Ensure the repeater is within good range of your main router. • Verify the Wi-Fi password entered for your main router during setup is correct. • Check if your main router has internet access. • Try repositioning the repeater closer to the main router.

Problem	Solution
WPS connection failed.	<ul style="list-style-type: none"> • Ensure your main router supports WPS and it is enabled. • Press the WPS buttons on both devices within the 2-minute window. • Try the manual web browser setup method.
Slow connection speed.	<ul style="list-style-type: none"> • Relocate the repeater to a position where it receives a stronger signal from your main router. • Minimize interference from other electronic devices. • Ensure your main router is providing adequate speed.

8. SPECIFICATIONS

Feature	Detail
Model Number	TK-WR177A1
Wireless Standard	IEEE 802.11 b/g/n
Frequency Band	2.4 GHz
Data Transfer Rate	Up to 300 Mbps
Ethernet Port	1 x 10/100Mbps Auto-negotiation LAN Port
Security	WEP, WPA, WPA-PSK, WPA2, WPA2-PSK (TKIP/AES)
Features	WPS (Wi-Fi Protected Setup), Repeater Mode, AP Mode, Ethernet Bridge
Dimensions	Compact, wall-mounted design
Weight	110 Grams

9. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Use only the power adapter provided or specified by the manufacturer.
- Keep the device away from children.
- Disconnect the device from power during lightning storms or when unused for long periods.

10. WARRANTY AND SUPPORT

TeckNet products typically come with a limited warranty. Please refer to the warranty card included with your product or visit the official TeckNet website for detailed warranty terms and conditions. For technical support or further assistance, please contact TeckNet customer service through their official channels.

