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PIX-LINK LV-UE01

PIX-LINK Wifi Range Extender 300Mbps USB Wifi Adapter/Dongles Wifi Repeater TV Network Adapter

Brand: PIX-LINK | **Model:** LV-UE01

1. Introduction

This manual provides comprehensive instructions for the PIX-LINK Wifi Range Extender, a versatile device designed to enhance your existing Wi-Fi network. It functions as a Wi-Fi repeater, an access point (AP), and a TV network adapter, offering N300 wireless speeds. This device helps extend wireless coverage, allowing more mobile devices to connect reliably throughout your home or office.



Figure 1.1: Common scenarios illustrating the need for a Wi-Fi range extender to improve network coverage and signal strength.

2. Product Overview

The PIX-LINK Wifi Range Extender is a compact and lightweight device. It features a USB connector for power, an RJ45 port for wired connections, and indicator LEDs for WPS, LAN, and Wi-Fi status. A WPS button and a reset button are also present for easy configuration and troubleshooting.



Figure 2.1: Detailed diagram of the PIX-LINK Wifi Range Extender, highlighting its various ports, buttons, and indicator lights, along with its physical dimensions.



Figure 2.2: Front view of the PIX-LINK Wifi Range Extender.

3. Key Features

- Complies with IEEE 802.11n, IEEE 802.11g, IEEE 802.11b standards.
- Supports Repeater, AP (Access Point), and TV Mode functionalities.
- Achieves Wireless-N speeds up to 300Mbps.
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK Encryptions for secure connections.
- Powered via USB (5V/2A) for flexible power options.

4. Setup Guide

4.1 Powering the Device

The PIX-LINK Wifi Range Extender is powered via its USB port. Connect the USB end of the device to a compatible USB power source (5V/2A), such as a TV's USB port, a USB wall adapter, or a power bank. The USB connection is solely for power supply.

4.2 Connecting to a TV (TV Mode)

To use the device as a TV network adapter, ensure your Smart TV or set-top box has an RJ45 (Ethernet) port and a USB port for power. Connect the device's RJ45 port to your TV's RJ45 port using an Ethernet cable. Power the device by plugging its USB connector into your TV's USB port or an external USB power source.



Figure 4.1: Connection diagram for TV Mode, showing wireless connection to a router and wired connection to a TV.

4.3 Repeater Mode Configuration

To configure the device as a Wi-Fi repeater, follow these steps:

1. **Power On:** Plug the PIX-LINK device into a USB power source.
2. **Connect to Device:** On your computer or tablet, connect to the Wi-Fi network broadcast by the PIX-LINK device (its default SSID will be something like "PIX-LINK_XXXX").
3. **Access Web Interface:** Open a web browser and enter the default IP address**192.168.10.1** in the address bar.
4. **Login:** Enter the default username "admin" and password "admin" to log in.
5. **Start Repeater Wizard:** Once logged in, navigate to the "Repeater" section or click on the "Repeater Wizard" option.
6. **Select Primary Wi-Fi:** The device will scan for available Wi-Fi networks. Select your primary Wi-Fi network from the list.
7. **Enter Password:** Enter the Wi-Fi password for your primary network.
8. **Configure Extended Network:** You can choose to keep the same SSID (network name) as your primary network or set a new one for the extended network. It is recommended to set a new SSID (e.g., "YourNetwork_EXT") to easily distinguish it.
9. **Apply Settings:** Click "Apply" or "Save" to save your configuration. The device will restart and begin extending your Wi-Fi signal.

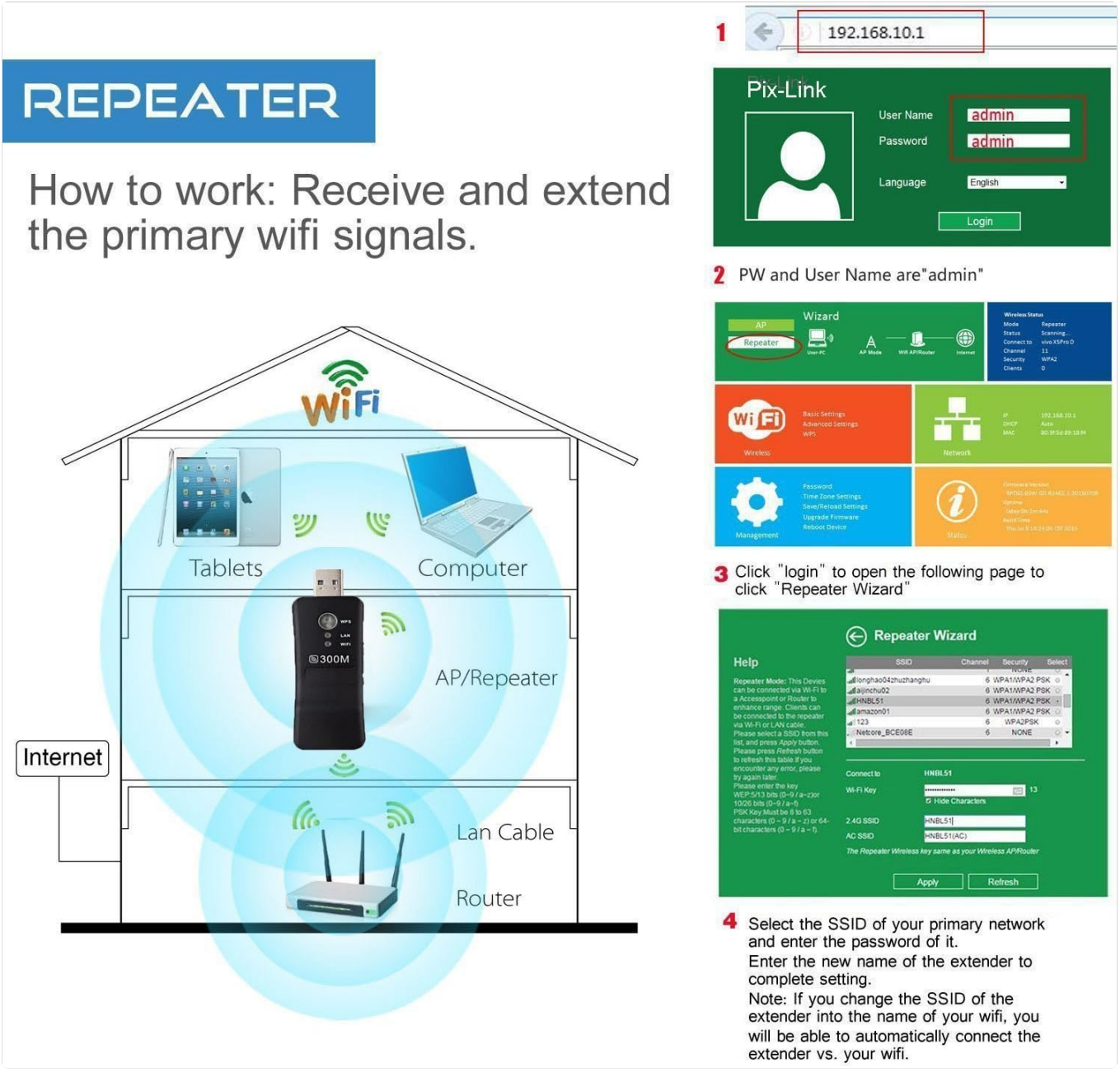

Figure 4.2: Steps for configuring the PIX-LINK device in Repeater Mode via its web interface.

5. Operating Modes

The PIX-LINK Wifi Range Extender supports three primary operating modes:

5.1 Repeater Mode

In Repeater Mode, the device extends the coverage of an existing wireless network. It receives the wireless signal from your main router and re-transmits it, effectively eliminating Wi-Fi dead zones and improving signal strength in areas with weak coverage.

5.2 AP (Access Point) Mode

In AP Mode, the device connects to a wired network (e.g., via an Ethernet cable from your router) and broadcasts a new wireless network. This is useful for adding Wi-Fi capability to a wired-only network or creating a separate Wi-Fi network.

5.3 TV Mode (Network Adapter)

In TV Mode, the device acts as a wireless network adapter for devices with an RJ45 (Ethernet) port but no built-in Wi-Fi. It connects wirelessly to your Wi-Fi network and provides an internet connection to your TV or set-top box via an Ethernet cable.

6. WPS (Wi-Fi Protected Setup) Function

The device supports WPS for quick and easy secure connection to your router. If your router also supports WPS, you can establish a secure connection without manually entering network passwords.

1. Ensure the PIX-LINK device is powered on.
2. Press the WPS button on the PIX-LINK device (refer to Figure 2.1 for location).
3. Within two minutes, press the WPS button on your main Wi-Fi router.
4. The devices will automatically connect and establish a secure, encrypted link. The WPS LED on the PIX-LINK device will indicate a successful connection.



Figure 6.1: WPS One-Key Encryption feature.

7. Maintenance

- Keep the device in a cool, dry place, away from direct sunlight and heat sources.
- Avoid exposing the device to water or excessive humidity.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure proper ventilation around the device to prevent overheating.
- Periodically check for firmware updates on the manufacturer's website to ensure optimal performance and security.

8. Troubleshooting

Problem	Possible Solution
No power/LEDs off	Ensure the USB cable is securely connected to a 5V/2A power source. Try a different USB port or power adapter.
Cannot access web interface (192.168.10.1)	Ensure your device is connected to the PIX-LINK's Wi-Fi network. Clear your browser's cache or try a different browser. Reset the device to factory defaults if necessary (press and hold the Reset button for 5-10 seconds).
Weak or no extended Wi-Fi signal	Place the extender within the range of your main router's signal. Ensure there are no major obstructions (thick walls, metal objects) between the extender and the router. Reconfigure the repeater mode settings.
Internet connection drops frequently	Check the stability of your main router's internet connection. Ensure the extender is not too far from the main router. Update the extender's firmware if available.

Problem	Possible Solution
TV Mode not working	Verify the Ethernet cable connection between the extender and the TV. Ensure the extender is successfully connected to your Wi-Fi network. Check your TV's network settings.

9. Technical Specifications

Attribute	Detail
Brand	PIX-LINK
Model Number	LV-UE01
Wireless Standards	IEEE 802.11n, 802.11g, 802.11b
Data Transfer Rate	Up to 300 Mbps
Security Protocols	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Connector Type	RJ45 (Ethernet), USB (for power)
Power Supply	USB 5V/2A
Product Dimensions	8.51 x 3 x 1.3 cm
Item Weight	18 g

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For further assistance, please refer to the official PIX-LINK support channels.

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