Keenetic KN-1912-01-EU

Keenetic Skipper (2nd Generation) AC1200 Mesh WiFi 5 Gigabit Router User Manual

Model: KN-1912-01-EU

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Keenetic Skipper (2nd Generation) AC1200 Mesh WiFi 5 Gigabit Router. Please read this manual carefully before using the device to ensure proper functionality and to prevent damage.

The Keenetic Skipper is a high-speed, reliable dual-band Gigabit Wi-Fi router designed for extensive coverage. It supports multiple users and devices, making it suitable for large areas. This device functions as a primary router or as part of a multi-node Wi-Fi system, offering seamless connectivity and load balancing through automatic switching between Gigabit Ethernet, Wi-Fi, and 4G/3G internet service providers.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Keenetic Skipper Router
- Type-C Power Adapter
- Multi-language Installation Manual

3. PRODUCT OVERVIEW

The Keenetic Skipper router offers a range of features designed for a robust and flexible home network:

- **Stable and Fast Internet:** Ensures reliable and high-speed internet connectivity.

- **4K UHD Video Streaming:** Supports smooth streaming of high-resolution video content.
- **Excellent Coverage:** Designed to provide broad Wi-Fi coverage throughout your home.
- **IntelliQoS Traffic Prioritization:** Manages network traffic to prioritize important data streams.
- **User-Friendly Mobile Application:** Control and monitor your network via a dedicated app.
- **Cyber Threat and Family Protection:** Includes features for network security and parental controls.
- **Powerful Network Storage and Personal Cloud:** USB port allows for network storage and personal cloud functionalities.

Image 3.1: Front view of the Keenetic Skipper AC1200 Mesh WiFi 5 Gigabit Router, highlighting its dual-band speed, 4 Gigabit ports, and USB 2.0 capabilities.

Image 3.2: Side view of the Keenetic Skipper router, illustrating its stable connectivity, 24/7 online capability, auto-failover, and multi-ISP support via Ethernet, Wi-Fi, and 3G/4G.

Image 3.3: Rear view of the Keenetic Skipper router, showing its 4 Gigabit Ethernet ports for wired connections and a USB 2.0 port for network storage and media sharing. It also depicts various devices like Smart TVs, Gaming Consoles, and IoT devices connecting via Ethernet.

4. SETUP

Follow these steps for initial setup of your Keenetic Skipper router:

1. **Connect the Power Adapter:** Plug the Type-C power adapter into the router's power port and then into a wall outlet.

2. **Connect to the Internet:**

   - For a wired internet connection (DSL/Cable Modem), connect an Ethernet cable from your modem to the router's WAN port (usually labeled or distinctively colored).
   - For 4G/3G internet, connect a compatible USB modem to the router's USB port.

3. **Connect Your Device:**

   - **Wired Connection:** Connect your computer to one of the router's LAN ports using an Ethernet cable.

- **Wireless Connection:** On your computer or mobile device, search for the Wi-Fi network name (SSID) printed on the label on the bottom of the router. Connect to this network using the provided Wi-Fi password.

4. **Access the Web Interface:** Open a web browser and enter the default IP address (e.g., `192.168.1.1` or `my.keenetic.net`) into the address bar. Follow the on-screen instructions to complete the initial setup, including setting up your administrator password and Wi-Fi network name/password.

5. **Install Mobile App (Optional but Recommended):** Download the Keenetic mobile application from your device's app store for easy management and monitoring.

5. OPERATING INSTRUCTIONS

This section covers the basic operation and key features of your Keenetic Skipper router.

5.1 Wi-Fi Network Management

You can manage your Wi-Fi settings, including network name (SSID), password, and security protocols (WPA2/WPA3), through the web interface or the Keenetic mobile app.

- **Dual-Band Operation:** The router supports both 2.4 GHz and 5 GHz Wi-Fi bands. You can configure them separately or use a single SSID for seamless band steering.
- **Guest Network:** Create a separate Wi-Fi network for guests to provide internet access without compromising your main network's security.
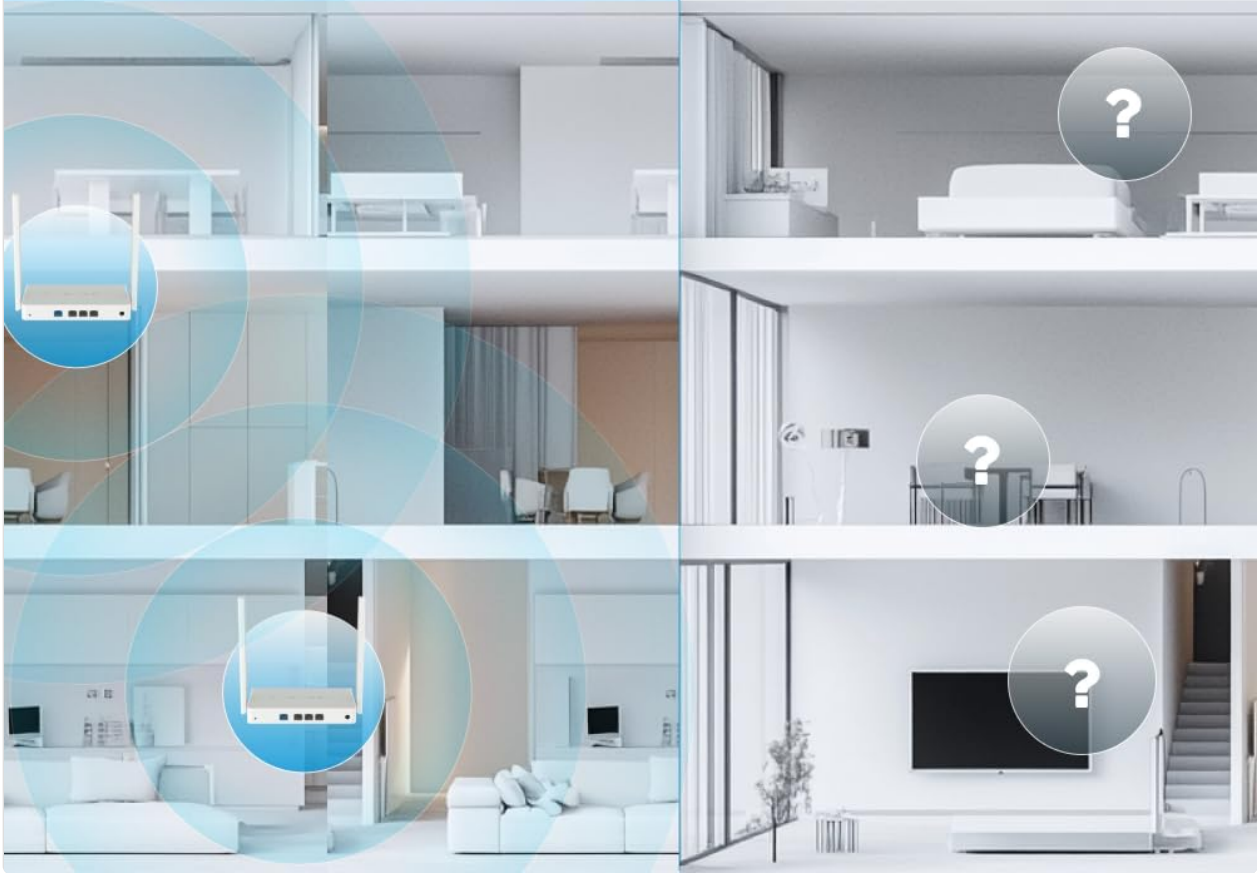
5.2 Keenetic Mesh Wi-Fi System

The Keenetic Skipper can be expanded to create a Mesh Wi-Fi system for seamless coverage in larger homes or offices. This eliminates Wi-Fi dead zones.

Image 5.1: Illustration demonstrating seamless Wi-Fi coverage without dead zones using Keenetic Mesh Technology, showing routers placed across multiple floors of a house.

To set up a Mesh system, refer to the detailed instructions available on the Keenetic support website or through the mobile app.

5.3 Parental Controls and Security

Utilize the built-in parental controls to manage internet access and ensure safe browsing for family members.

Image 5.2: Screenshot of the Keenetic mobile app displaying parental control settings, including time limits, website filtering, and guest Wi-Fi management.

- **Time Limits:** Set schedules for internet access for specific devices or users.
- **Website Filtering:** Block access to inappropriate websites.
- **Cyber Threat Protection:** The router includes features to protect your network from various online threats.

5.4 USB Port Functionality

The USB 2.0 port allows for extended functionality:

- **Network Storage:** Connect a USB storage device (e.g., flash drive, external hard drive) to create network-attached storage (NAS) for file sharing within your network.
- **Media Server:** Use the connected USB storage as a media server to stream content to compatible devices.
- **3G/4G Modem Support:** Connect a compatible USB modem for mobile internet backup or primary connection.

5.5 Smart Home & IoT Management

The Keenetic Skipper is designed to securely manage your smart home and IoT devices.
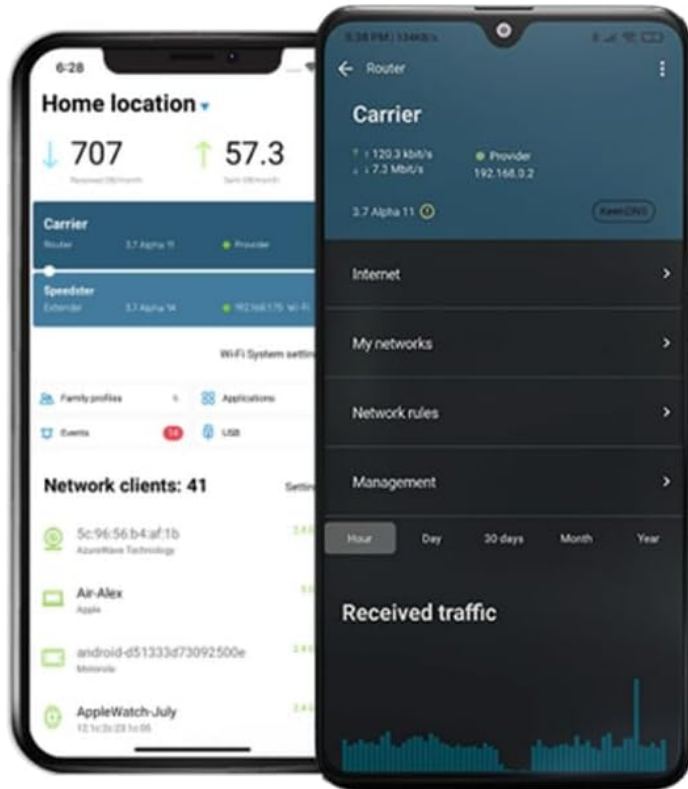

Image 5.3: Diagram illustrating the Keenetic router's central role in a smart home, securely managing various IoT devices across different rooms, supported by advanced cloud-based security and auto-updates.

5.6 Keenetic Mobile Application

The Keenetic app for Android and iOS provides convenient remote monitoring and control of your network.

Monitor & Control Your Network Anytime, Anywhere

Device management

Traffic prioritization

Guest network creation

Keenetic App for Android & iOS

Image 5.4: Screenshots of the Keenetic mobile application interface, showing features like device management, traffic prioritization, and guest network creation.

- **Device Management:** View connected devices and manage their access.
- **Traffic Prioritization:** Adjust IntelliQoS settings on the go.
- **Guest Network Creation:** Easily enable or disable guest Wi-Fi.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your router.

- **Software Updates:** KeeneticOS receives regular updates. Ensure your router is configured for automatic updates or check for them periodically via the web interface or mobile app to benefit from new features and security enhancements.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure ventilation openings are not blocked.
- **Placement:** Place the router in a central location, away from obstructions, large metal objects, and interference sources (e.g., microwaves, cordless phones) for best Wi-Fi performance.
- **Restarting:** If you experience network issues, a simple restart (power cycling) of the router can often

resolve them. Unplug the power adapter, wait 10 seconds, then plug it back in.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Keenetic Skipper router.

No Internet Connection:

- Check if your modem is working correctly.
- Ensure all cables are securely connected to the router and modem.
- Restart both your modem and router.
- Verify your internet settings in the router's web interface.

Weak Wi-Fi Signal or Dead Zones:

- Relocate the router to a more central position.
- Ensure antennas are oriented correctly.
- Minimize interference from other electronic devices.
- Consider expanding your network with additional Keenetic Mesh devices.

Cannot Access Router's Web Interface:

- Ensure your device is connected to the router (wired or wireless).
- Verify you are using the correct IP address (e.g., `192.168.1.1`) or domain (`my.keenetic.net`).
- Try clearing your browser's cache or using a different browser.
- Restart the router.

Forgotten Wi-Fi Password:

- Log into the router's web interface or mobile app to retrieve or change the password.
- If you cannot log in, you may need to perform a factory reset (see below).

Factory Reset:
If you encounter persistent issues or forget your administrator password, you can perform a factory reset.
Warning: This will erase all your custom settings and restore the router to its default factory configuration.

- With the router powered on, locate the Reset button (often a small pinhole button).
- Use a paperclip or similar pointed object to press and hold the Reset button for approximately 10 seconds until the indicator lights change.
- Release the button and wait for the router to restart. You will then need to reconfigure the router from scratch.

8. SPECIFICATIONS

Feature	Detail
Brand	Keenetic
Model Name	KN-1912-01-EU
Operating System	KeeneticOS

Connectivity Technology	Ethernet, USB, WLAN
Wireless Communication Standard	802.11ac (Wi-Fi 5)
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Number of Ports	4 Gigabit Ethernet ports
USB Port	USB 2.0
Security Protocol	WPA2 / WPA3 / Enterprise Security
Compatible Devices	Personal Computer, Laptop, Tablet, Smartphone, Game Console
Components Included	Router, Type-C Power Adapter, Multi-language Installation Manual

9. WARRANTY & SUPPORT

9.1 Warranty Information

Specific warranty details for the Keenetic Skipper router are typically provided with the product packaging or available on the official Keenetic website. Please refer to these sources for the most accurate and up-to-date warranty terms and conditions.
Information regarding spare parts availability and guaranteed software updates is not available in the provided product data. Please check the manufacturer's official resources for this information.

9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or further inquiries, please refer to the following resources:

- **Keenetic Official Website:** Visit the official Keenetic website for FAQs, support articles, firmware downloads, and contact information.
- **Keenetic Mobile App:** The mobile application may offer direct access to support resources or community forums.