

# KEENETIC STARTER


## Quick Start Guide


N300 Mesh Wi-Fi Router/Extender  
with a 4-Port Smart Switch

Model: KN-1112

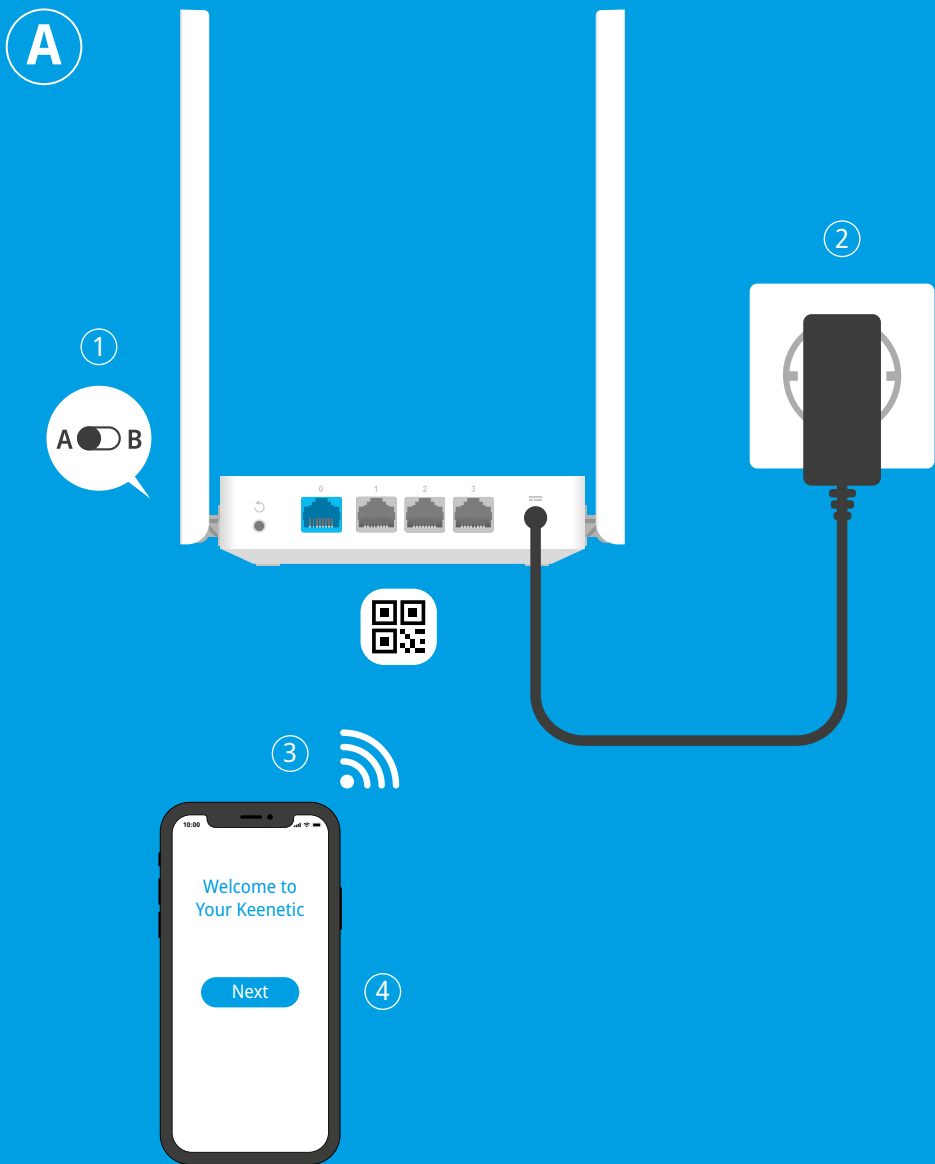
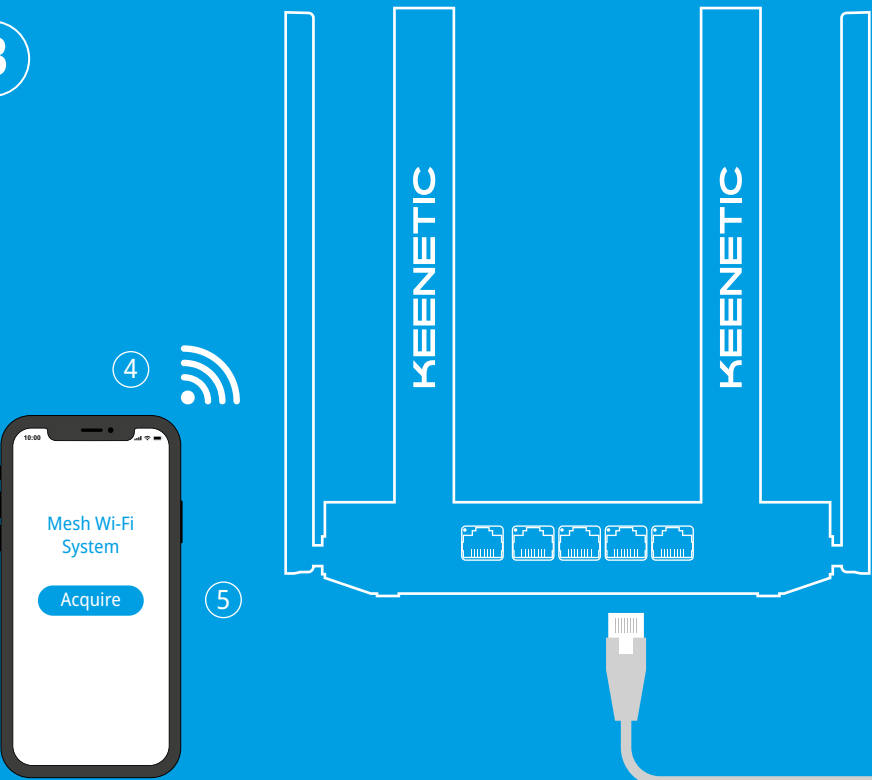
## Creating a New or Extending an Existing Network

Keenetic routers deliver reliable, continuous, and secure Wi-Fi throughout your home. Starting with one main Keenetic router, as your demands increase, you can add more Keenetic devices to act as Wi-Fi extenders to create a centrally-managed multi-node Mesh Wi-Fi System.




If you are creating a new network and this Keenetic Starter (hereinafter 'Keenetic device') is going to be your Main Router, use the switch position **A** .

If you are extending an existing network and this Keenetic device is to act as a Wi-Fi extender, turn the switch to position **B** .

**B**









## **A** — Connecting Your Keenetic Starter to the Internet

1. Set the physical Operating Mode switch located on the side panel to position **A**  — **Router** Mode.
2. Position your Keenetic device within cable lengths of Ethernet and power outlets. Place your Keenetic device in an open area for better wireless coverage. Connect your Keenetic device to a power source. Check that both the Status LED  and Wi-Fi LED  are illuminated and not blinking.
3. Connect a mobile device to your Keenetic device via Wi-Fi. The default Wi-Fi name (SSID) and Wi-Fi password are printed on your Keenetic device's back label along with a QR code that will automatically connect your mobile device to the Keenetic device's Wi-Fi when scanned. Alternatively, connect a computer to any of the gray Ethernet ports on your Keenetic device using the included Ethernet cable.
4. Once connected, an Initial Setup Wizard window will appear on your mobile device / computer. If the Wizard does not appear, using a browser go to **my.keenetic.net** and follow the setup instructions.

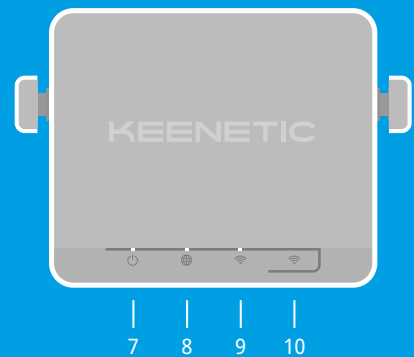
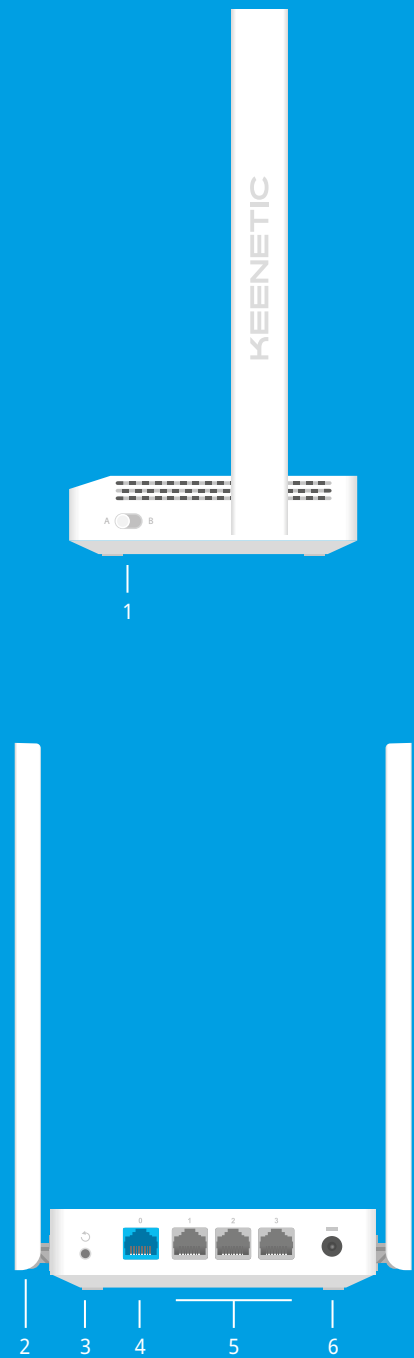
**Note:** If the Initial Setup Wizard still doesn't appear, please refer to the Frequently Asked Questions section below.

## **B** — Extending Your Existing Network Coverage

1. On the Keenetic device you wish to be a Mesh Wi-Fi Extender, set the Operating Mode switch located on the side panel to position  **B** — **Extender** Mode.
2. Connect your Keenetic device to a power source. Check that both the Status LED  and Wi-Fi LED  are illuminated and not blinking.
3. Make sure your Keenetic Main Router is active and has an Internet connection. Connect the 'Extender' Keenetic device to your Keenetic Main Router using an Ethernet cable (as supplied). Alternatively you can connect Keenetic devices wirelessly by placing them near to each other and simultaneously pressing the Wi-Fi buttons  on both devices. Check that the Internet LED  on the 'Extender' is illuminated.
4. Connect a mobile device / computer to your Keenetic Main Router network.
5. Launch a web browser and go to **my.keenetic.net** and log in to the Main Router or launch the Keenetic Mobile Application. Then choose the **Wi-Fi System** section and click **Acquire** to add an extender candidate to your Wi-Fi System. Wait for the process to complete.
6. Disconnect the acquired Extender from the Main Router and place the Extender where you want to expand your Wi-Fi network in your home. A Keenetic Mesh Wi-Fi System supports both wireless and wired connections between the Main Router and Extenders. To maximize your network performance, use wired connections where possible. The Internet LED  on the Extender will illuminate when it has connected successfully to your network.

For technical support and other information, please visit

**help.keenetic.com**



# Keenetic Starter Details

## 1. Operating Mode Switch

**A** — Router Mode.  
**B** — Extender Mode.

## 2. Wi-Fi Antennas

Two fixed precision printed dipole Wi-Fi antennas with 5 dBi gain. We recommend keeping the antennas in a vertical position.

## 3. Reset Button

Restores the original factory settings and resets the administrator password. For instructions on how to reset your Keenetic device to factory settings, see the Frequently Asked Questions section below.

## 4. Network Port 0

The blue port marked **0** is preconfigured for Internet connection in Router Mode. In Extender Mode, this port works for home or office network connection.

## 5. Network Ports 1, 2 & 3

By default, these ports are intended for home devices, but they can be reconfigured and connected to the Internet in Router Mode.

## 6. DC Power Socket

For use with the power adapter supplied in the package. The Keenetic device is designed for continuous operation and does not need to be powered off daily.

## 7. Status LED

**Solid green** — Ready for operation.

**Blinking green** — Starting up or updating the operating system.

**Rapidly blinking for 2 seconds followed by continuous illumination** — The Wi-Fi Control Button has been pressed, and the function assigned to the button has started.

**Rapidly blinking for 2 seconds followed by no illumination** — The Wi-Fi Control Button has been pressed, and the function assigned to the button was stopped.

**Off** — Off.

## 8. Internet LED

**Solid green** — Internet connection is established.

**Off** — No Internet connection.

## 9. Wi-Fi LED

**Solid green** — Wi-Fi network enabled.

**Blinking green** — Transferring data.

**Blinking slowly** — Quick connection session (WPS) in progress.

**Off** — Wi-Fi network disabled.

## 10. Wi-Fi Control Button

By default, this button allows you to easily add extenders to the Keenetic Mesh Wi-Fi System, or other WPS-compliant devices to the wireless network.

**Pressing it once** — Starts a quick connection session for adding a new device.

**Pressing and holding for 3 seconds** — Turns the Wi-Fi on or off.

You can assign other functions to this button if necessary.

# Management Options

The **Keenetic web interface** is the primary way to manage your device, offering all features and configuration options. You can also book a private domain name with the free KeenDNS service to have secure, HTTPS-protected remote management of your network anytime, and from anywhere. Open **my.keenetic.net** to start.

The **Keenetic mobile application** provides the easiest way to manage your home network through your iOS or Android devices on the go, focused on routine tasks, parental functions and traffic monitoring. Download the Keenetic app, available on Google Play and the Apple App Store, on your mobile phone.



Scan for Keenetic App



The **Keenetic RMM system** is a cloud-based multi-site remote monitoring and management solution purpose-built for Small / Medium-sized businesses to help keep critical networks and infrastructure online 24/7. Visit **rmm.keenetic.com** to learn more.

# Frequently Asked Questions



## What should I do if I can't access the Initial Setup Wizard page or the Keenetic Web Interface page?

1. Make sure that your mobile device / computer is connected to your Keenetic device (in Router Mode) via Wi-Fi or an Ethernet cable and set up to obtain an IP address and DNS servers automatically.
2. Check that you have correctly entered the appropriate Keenetic device web address: either **my.keenetic.net** (recommended) or **192.168.1.1** or **192.168.2.1**.
3. Reboot your mobile device / computer and your Keenetic device.
4. If the Initial Setup Wizard page is still not appearing, please follow the instructions below to reset your Keenetic device.

## What should I do if I can't access the Internet with my Keenetic device?

1. If the Internet LED  on the Main Router is not illuminated, consult your ISP to make sure that that service is available, and that you are using the correct connection parameters, e.g. account login and password, authentication protocol, MAC address, etc. Make the necessary changes.
2. If the Internet LED  on the Main Router is illuminated, please check the wired or Wi-Fi connections between your Keenetic Main Router and home devices, including any Keenetic extenders.


## Can I connect a Keenetic Extender to a non-Keenetic main router?

Absolutely. Press the Wi-Fi button  on your Keenetic in Extender Mode. Within two minutes, start a WPS session on your main router by pressing the appropriate button on the Non-Keenetic device. A Keenetic Extender will adopt the wireless network name and password of the main router. The Internet LED  on the Extender will illuminate when it has connected successfully to your network. To configure the repeater settings, first open the user interface of the main router to determine the IP address assigned to your Keenetic Extender. Then, enter that IP address in the web browser to open the Web Interface on the Keenetic Extender to make necessary changes.

## What should I do if I forget my wireless password?

The default password for connecting to your Wi-Fi network can be found on a sticker on the back of your Keenetic device, or if you are using a Mesh Wi-Fi System, you should use the password on the Main Router. If the default Wi-Fi password has been changed and subsequently lost, the changed password can be retrieved or reset by logging in to the web interface or in the Keenetic Mobile Application.



## What should I do if I can't add an extender to the Keenetic Mesh Wi-Fi System?

Make sure the Operating Mode Switch on the case is set to  **B** — Extender Mode. If this is correct then next restore the factory settings of your extender (see below), and repeat the procedure of adding the extender to the Mesh Wi-Fi System.

## What should I do if I forget my Web Interface page password?

To create a new password, please follow the instructions to restore the factory settings on your Keenetic device in the question below.

## How do I reset/restore the original factory settings on my Keenetic device?

Make sure that your Keenetic device is connected to a power supply. Press and hold the Reset Button  until the Status LED  begins to blink rapidly, release the Reset Button and wait while your device restarts.

**Important:** After restoring factory settings, you will need to reconfigure your Internet connection and re-add extenders to your Mesh Wi-Fi System.

## What's in the Box

- 1 Router preloaded with KeeneticOS;
- 1 Level VI energy-efficient 100–240 V power adapter;
- 1 Ethernet cable;
- 1 Quick Start Guide;
- 1 Quick Start Guide (multilingual).

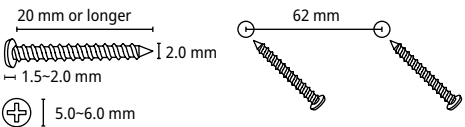
## Device Warranty

For the most up to date Warranty Information, please visit our website **keenetic.com/legal**.

Your Keenetic device comes with a non-transferable 3-year warranty from the documented date of purchase (including your 2-year European Limited Warranty). Valid claims in case of a defect will be honored subject to local legal requirements.

## Safety Instructions

- Your Keenetic device is **ONLY** for indoor use — **NEVER** use it outside.
- Before use, remove protective labels from your Keenetic device, and ensure vents are unblocked.
- Never use your Keenetic device in an enclosed space, and ensure that the Keenetic-supplied power adapter is always easily accessible.
- **ONLY** use a Keenetic-supplied power adapter — cease to use any damaged adapter **IMMEDIATELY**.
- Your Keenetic device and its power adapter contain no user-serviceable parts — **DO NOT OPEN**.
- Keep your Keenetic device away from water, excessive humidity or heat, and direct sunlight.
- Your Keenetic device can be safely wall-mounted using two screws, firmly attached, on any wall surface strong enough to support 4 times the device's weight.



## Certification Information

Keenetic Limited hereby declares that this device is in compliance with all relevant provisions of directives 2014/53/EU, 2009/125/EC, and 2011/65/EU. Details of the original EU declaration may be found at **keenetic.com** within details on specific model pages.

This device complies with EU radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 cm between the antennas and a person's body.

The frequency and the maximum transmitted power for your device, per the requirements of the EU are listed below:

2400-2483,5 MHz: 20 dBm.

Per (EC) No 1275/2008, the power consumption in networked standby if all wired network ports are connected and all wireless network ports are activated is 2 W.

## Disposal

In accordance with European directives, your Keenetic device, including the power adapter and cables may not be disposed of with general household waste. Consult your local authority or your supplier for information about disposal.



## Notice

When you use your Keenetic device (including when you connect your Keenetic device the first time), Keenetic Limited will process certain personal data about you, e.g., service tag, serial number, model name, software version, and IP address of your Keenetic device. For more information, please go to **keenetic.com/legal**.

If you are in the European Union / European Economic Area, Keenetic GmbH will process certain personal data about you, e.g., service tag, serial number, model name, software version, and IP address of your Keenetic device. Please read our Device Privacy Notice for the European Union / European Economic Area at **keenetic.com/legal**.