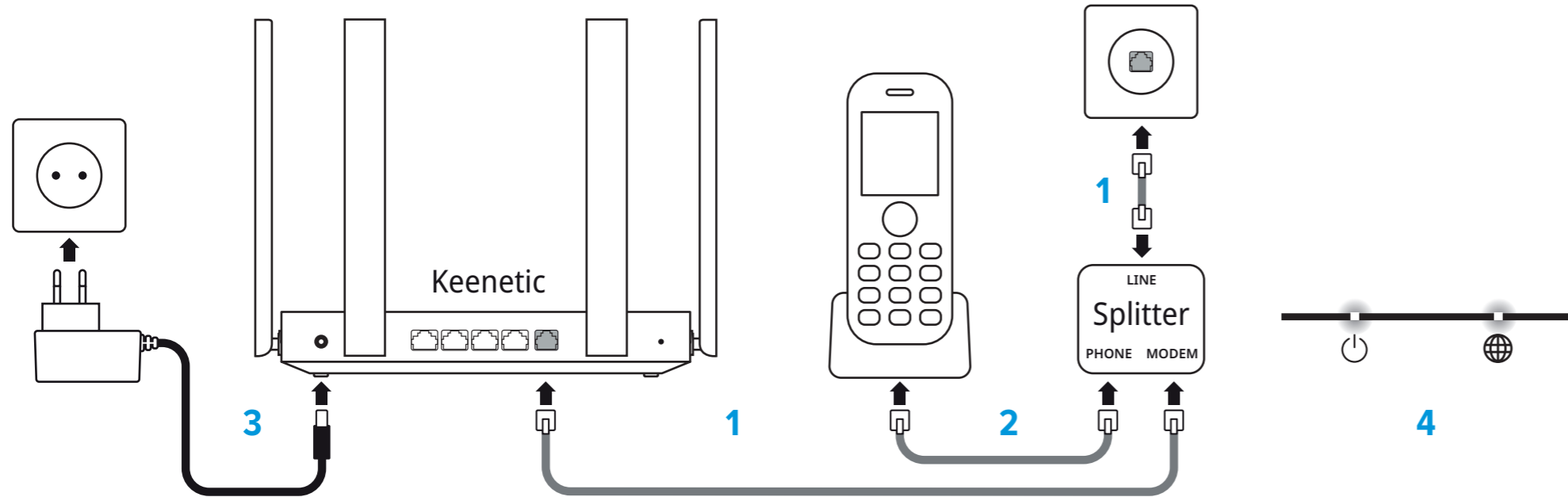


# Quick Start Guide

AC1200 Whole Home Wi-Fi VDSL2/ADSL2+ Modem Router with USB port  
Model: KN-2111

## Installing your Keenetic



### Connecting to the Internet via VDSL or ADSL

1. Using cables connect the "LINE" port on the Splitter to a phone socket, and the "MODEM" port to the "O/DSL" port on your Keenetic.
2. If required, a landline phone can be connected by attaching it to the "PHONE" port on the Splitter.
3. Attach the power adapter to your Keenetic's power inlet and then plug it into a power outlet.
4. The Power LED should illuminate. When a physical DSL connection is established the Internet LED will flash orange.

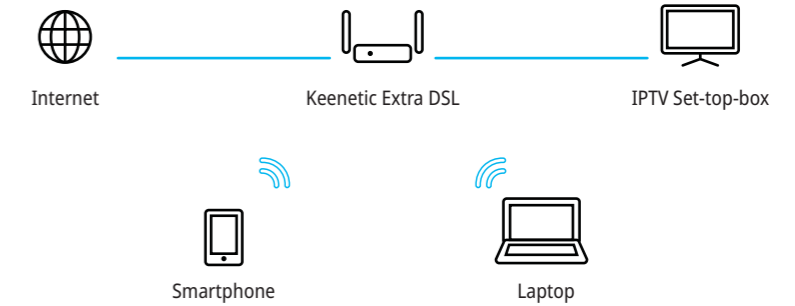
Note: If connecting multiple landline phones, always use microfilters (not supplied) to avoid DSL/Landline interference.

### Connecting to the Internet via Ethernet cable

Keenetic Extra DSL supports an Internet connection via Ethernet line, but there is no assigned WAN port by default. Hence, assign WAN port via wizard setup in web interface or mobile app before plugging an Ethernet cable from your ISP.

If the contract with your broadband provider specifies a MAC address of another device, such as your computer, we recommend to tell your ISP the MAC address of the Keenetic before connecting. It can be found on the label on the bottom side of Keenetic. Alternatively, you may change the MAC address of the Keenetic during connection setup.

If you have an IPTV set-top box or a TV that can receive IPTV directly, we recommend to connect it to the Keenetic using an Ethernet cable.



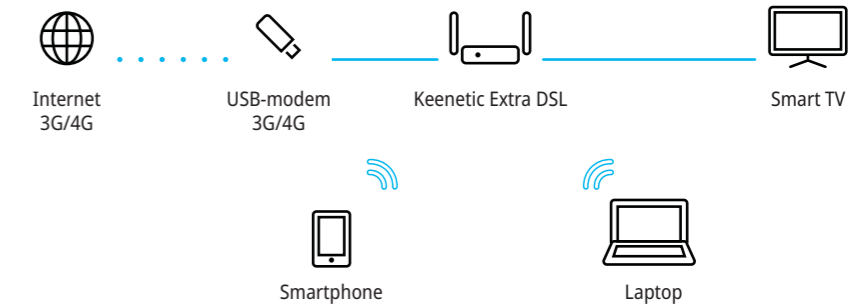
### Connecting to the Internet via a 3G/4G USB modem

To connect to 3G/4G Internet you'll need a USB modem. Place it near a window and make sure there are no obstacles between the modem and the window, to avoid weakening the network signal. If necessary, use a small USB extension cable up to 1 meter long.

Before installing the modem, disable PIN code request on its SIM card. You can do this using a mobile phone, by taking the SIM card out of the modem and temporarily installing it into the phone. Alternatively you can connect the modem to a computer and use the modem utility.

Connect the modem with installed SIM card to the USB port of the Keenetic. When the modem is ready for operation, the FN indicator of the Keenetic will light on; then you can proceed to configure the connection.

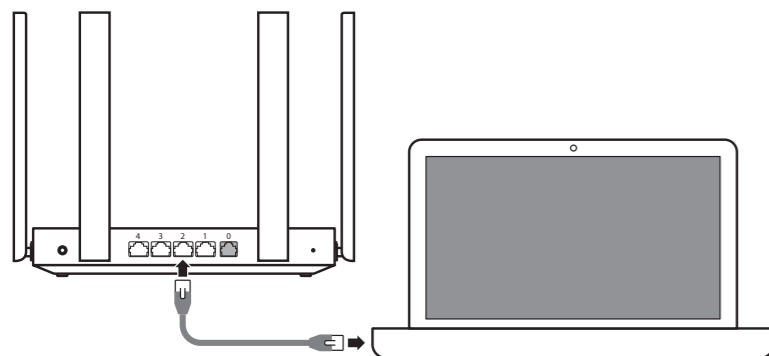
You can use a USB modem as your primary Internet connection or as a backup one in addition to other connections.



## Configuring your Keenetic

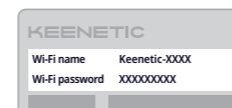
### Option 1. Setup using a computer

1. Connect a computer to either grey Ethernet port 2, 3 or 4 of your Keenetic using the included Ethernet cable.

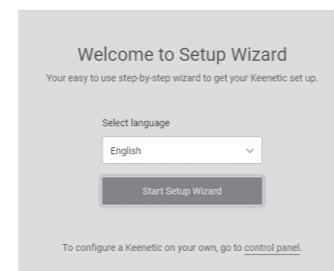


OR

Connect a computer to your Keenetic's Wi-Fi network using the Wi-Fi name (SSID) and Wi-Fi password printed on its back label.



Once your computer is connected use your browser to open: <http://my.keenetic.net>.

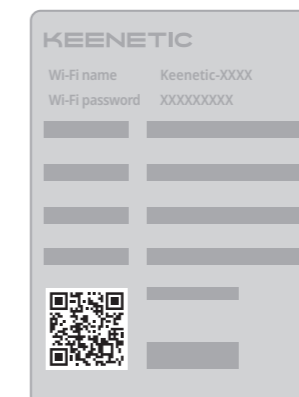


### Option 2. Setup with your Apple iPhone or iPad

1. Use the Camera app to scan the QR code on the bottom of your Keenetic and join the suggested Wi-Fi network.
2. You will be redirected to the Initial Setup Wizard page. Follow the instructions to set up your Keenetic.
3. Upon finishing the setup you will be prompted to install the Keenetic app to manage your home network.



Camera



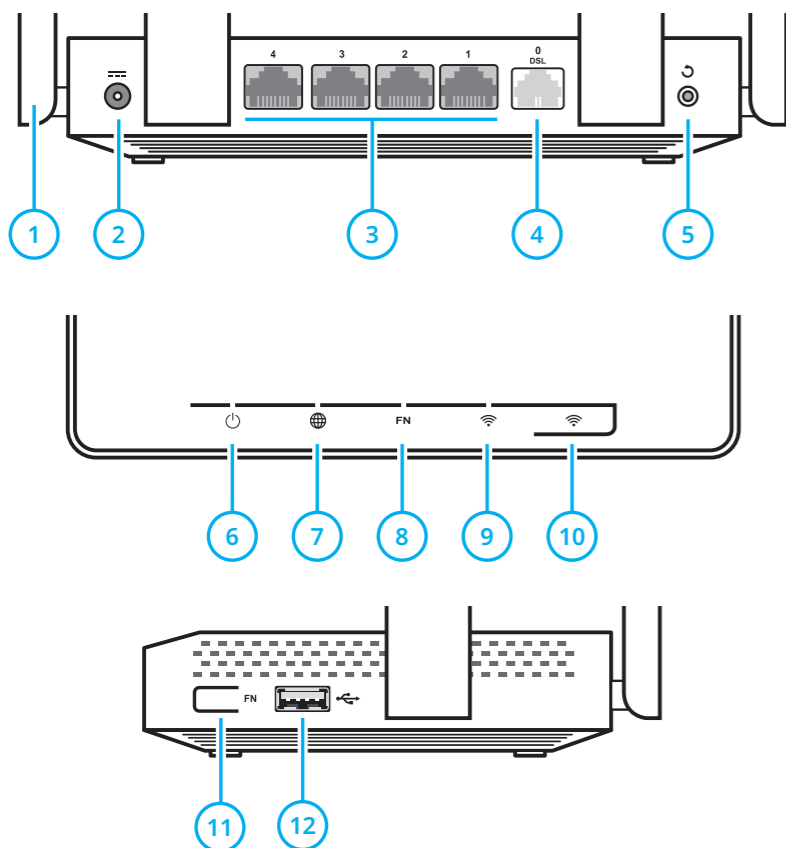
### Option 3. Setup with your Android device

1. Install the Keenetic app from Google Play onto your mobile device.
2. Follow the instructions in the Keenetic app to set up your Keenetic Router.



Keenetic

## LED Indicators and Ports



### 1 Wi-Fi antennas

Four PCB Wi-Fi antennas with 5 dBi gain. We recommend to keep the antennas in vertical position.

### 2 DC power connector

Connector for the DC power adapter from Keenetic package. The Keenetic is designed for continuous operation and does not need to be powered off daily.

### 3 Network ports «4», «3», «2», «1»

Three ports to connect computers and other network devices. The port indicator lights up if the connection is established, and flashes during data transfer.

### 4 Port «0 / DSL»

A port to connect to the DSL line with a supplied DSL splitter.

### 5 Button ⏻ (Reset)

To reset the administrator password and all user settings for all modes, press this button and hold for 10 seconds until the ⏻ indicator starts flashing. The Keenetic will reboot with the default settings, in the main operation mode.

### 6 Indicator ⏻ (Status)

**On** — the Keenetic is ready for operation.

**Off** — the Keenetic is turned off.

**Flashing slowly** — the Keenetic is being rebooted or is updating its operating system.

**Flashing for 2 seconds, then steady on** — FN button or 📶 button is pressed; the function assigned to the button was started.

**Flashing for 2 seconds, then off for 2 seconds** — FN button or 📶 button is pressed; the function assigned to the button was stopped.

### 7 Indicator 🌐 (Internet)

**On** — the Internet connection has been established.

**Off** — there is no Internet connection.

### 8 Indicator «FN»

The purpose of this indicator can be changed in the settings. By default it indicates if updates for the Keenetic firmware are available.

**Flashing** — An update is available.

**Off** — No updates available.

### 9 Indicator 📶 (Wi-Fi network)

**On** — the Wi-Fi network is enabled.

**Off** — the Wi-Fi network is disabled.

**Flashing frequently** — indicates data transfer.

**Flashing slowly** — a WPS session is in progress.

### 10 Button 📶 (Wi-Fi network control)

By default this button allows you to easily connect new devices running Microsoft Windows or Android, or other WPS compliant devices to the wireless network.

**Pressing it once** — starts a quick connection via WPS.

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

In the Keenetic settings you can assign other functions to this button..

### 11 Programmable FN button

By default the button is used to safely remove drives connected to the USB port. In the Keenetic settings you can assign other functions to this button.

### 12 🔄 USB port

This USB 2.0 port is compatible with 3G/4G modems, printers, and external hard drives.

The current list of compatible USB devices can be found on the website [help.keenetic.com](http://help.keenetic.com).

## Working with USB drives

Keenetic Extra DSL supports USB drives with Microsoft Windows file systems including NTFS, FAT32, and FAT; Linux file systems including EXT2, EXT3 and EXT4; and Apple HFS+ file system. The Keenetic will automatically detect and mount a compatible drive. If the drive is not recognized, connect it to a computer and check for file system errors.

By default, all the USB applications installed on the Keenetic are disabled, except the Windows network file server. To run the Transmission torrent client, UPnP AV/DLNA or FTP server, you must first connect a USB disk, and then set up these applications in the corresponding section of the web interface.

Access to the file server from computers and mobile devices running Android, Microsoft Windows, Apple OS X, or iOS is open by default to all users on the home network without authorization. You can change this policy and add Folder permissions control module to the Keenetic operating system to restrict user access to folders. To use a USB drive as a backup drive with Time Machine, install and enable Apple network application in the Keenetic, and setup the shared folder that will be used for backups on the USB drive.

To prevent data corruption on the USB drive, follow these guidelines:

- Do not use flash drives for Transmission torrent client and torrents downloading.
- Do not remove the USB drive during operation. Before removing, press the FN button and wait until the corresponding FN indicator goes out.
- If the drive does not have enough power from the USB port and it gets disconnected under heavy use, connect it to an external power supply via a USB hub.

## FAQ

### 1. I have followed the start up instructions, why can't I see the Keenetic Login Page?

There are several possible causes, please try in the following order and at each step check to see if your login page appears.

- Check that you have correctly entered the appropriate Keenetic Router web address: <http://my.keenetic.net> or <http://192.168.1.1>.
- Check that your PC is set up to obtain an IP address and DNS servers automatically.
- Reboot your PC and the Keenetic Router.
- If the login page is still not appearing please follow the instruction to 'reset your Keenetic' in question 4 below.

### 2. Why can't I access the Internet?

First check the status of the Internet LED 🌐.

If the LED is off or slowly blinking orange:

- Make sure that your Keenetic is connected to a phone outlet correctly (see page 3).

- To pinpoint the problem try to remove the DSL splitter and connect the Keenetic directly to a phone outlet.
- Consult your ISP to make sure that the line is ready and the service is available.

If the LED is steady orange:

- Check that you are using the correct connection parameters: VPI/VCI, VLAN IDs, authentication protocol, account login/password, etc. Make necessary changes.

If the LED is illuminated steady green:

- Please check the cable or Wi-Fi connection between the Keenetic Router and your home device.

### 3. Where can I find my login and passwords?

- You will have been asked to choose a Keenetic password when configuring your system during the initial setup process, if you no longer have that password you will need to restore factory settings and repeat the steps of the Initial Setup Wizard (please follow the instructions to 'reset your Keenetic' in question 4 below) — use your chosen password and the login 'admin' when asked.
- Your password for connecting to the Wi-Fi network can be found on a sticker on the back of your Keenetic. However if the default Wi-Fi password has been changed and subsequently lost, the changed password can be retrieved or reset by logging onto <http://my.keenetic.net>.

### 4. How do I restore the original factory settings on my Keenetic Router?

- Make sure that your Keenetic is connected to power and on, press and hold the reset button ⏻ until the Status LED ⏻ begins to rapidly blink, release the reset button and wait while your device reboots. It is important to remember that you will need to repeat the steps of the Initial Setup Wizard after restoring factory settings.

## Support

For technical support or other information please visit <http://help.keenetic.com>.

## Safety instructions

Your Keenetic is ONLY for indoor use, NEVER use it outside.

Keep your Keenetic away from water, humidity, excessive heat and direct sunlight.

Your Keenetic and its power adapter contain no user serviceable parts. DO NOT OPEN.

Remove all protective stickers, do not block ventilation holes or operate in enclosed spaces.

ONLY use a Keenetic supplied power adapter, cease to use any damaged adapter IMMEDIATELY.

Your Keenetic can be safely wall mounted using 2 firmly attached 2.5-3mm diameter screws 68mm apart on any wall strong enough to support 4x the device weight.

## European Limited Warranty

For the most up to date Warranty Information please visit our website <https://keenetic.com/legal>.

Your Keenetic device comes with a non-transferable 3-year warranty from the documented date of purchase. Valid claims in case of defect will be honored (by one of: free repair, replacement by new, or replacement by comparable performance equipment at the discretion of Keenetic) subject to local legal requirements.

## 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 <https://keenetic.com/legal>.

This device complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

The frequency and the maximum transmitted power in EU are listed below:

2400-2483,5 MHz: 20 dBm

5150-5350 MHz: 23 dBm

5470-5725 MHz: 30 dBm

	AT	BE	BG	CH	CY	CZ	DE
	DK	EE	EL	ES	FI	FR	HR
	HU	IE	IS	IT	LI	LT	LU
	LV	MT	NL	NO	PL	PT	RO
	SE	SI	SK	TR	UA	UK	

This device is restricted to indoor use only when operating in 5150 to 5350 MHz frequency range (channels 36 - 64).

## Notice

For the purposes of product support your router sends following data to Keenetic servers at the first connection: service tag, serial number, model name, KeeneticOS version and IP address. This data is treated as your Personal Data. For more information, please check <https://keenetic.com/legal>.