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> KEENETIC Linéaire KN-3110-01EN USB Analog and DECT Telephone Adapter User Manual

keenetic KN-3110-01EN

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User Manual

1. INTRODUCTION

The Keenetic Linéaire (model KN-3110-01EN) is a specialized USB adapter designed to integrate analog and DECT telephony with your Keenetic Mesh wireless router. This device allows you to connect traditional wired analog telephones and DECT phone base stations directly to your Keenetic router's USB port. By doing so, it extends your existing Wi-Fi network to include modern digital telephony services, leveraging the speed, reliability, and extensive coverage provided by Keenetic Mesh Wi-Fi.

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Keenetic Linéaire adapter. Please read it thoroughly before use to ensure proper installation and functionality.

2. PACKAGE CONTENTS

Before proceeding with the installation, please verify that all items are present in the package:

- Keenetic Linéaire KN-3110-01EN Device
- USB Cable
- Analog Telephone Adapter (if separate from main device)
- Quick Start Guide

3. SETUP INSTRUCTIONS

Follow these steps to set up your Keenetic Linéaire adapter:

3.1 Connecting the Adapter

1. **Power Off Router:** Ensure your Keenetic router is powered off before connecting the adapter.
2. **Connect USB Cable:** Connect one end of the provided USB cable to the Keenetic Linéaire adapter and the other end to an available USB port on your Keenetic router.
3. **Connect Telephones:** The adapter features two RJ-11 FXS ports. Connect your analog telephones or DECT base stations to these ports using standard telephone cables. You can connect up to two devices simultaneously.

4. **Power On Router:** Once all connections are secure, power on your Keenetic router. The router will detect the Linéaire adapter.



Image: The Keenetic Linéaire adapter (white rectangular device) is shown connected via a white USB cable to a Keenetic router. An analog telephone is also connected to the adapter via a telephone cable. This illustrates a typical setup configuration.

3.2 Initial Configuration (Router Interface)

After physical connection, you will need to configure the adapter through your Keenetic router's web interface.

1. **Access Router:** Open a web browser and navigate to your Keenetic router's administration page (typically <http://my.keenetic.net> or the router's IP address).
2. **Login:** Log in with your administrator credentials.
3. **Navigate to Telephony Settings:** Locate the telephony or VoIP settings section within the router's interface. The exact path may vary depending on your KeeneticOS version.
4. **Configure VoIP Provider:** Enter the details for your Voice over IP (VoIP) service provider. This typically includes SIP server address, username, password, and port numbers. The Keenetic Linéaire is compatible with all SIP-based VoIP service providers.
5. **Assign Ports:** Assign the connected analog phones or DECT base stations to the configured VoIP lines.
6. **Save Settings:** Save your configuration changes. The adapter should now be ready for use.



Image: A side view of the Keenetic Linéaire adapter, highlighting the USB port for connection to the router. This port facilitates both power and data transfer for the telephony functions.

4. OPERATING INSTRUCTIONS

Once configured, the Keenetic Linéaire adapter allows you to use your connected analog or DECT phones for VoIP calls.

4.1 Making and Receiving Calls

- **Making Calls:** Pick up the handset of your connected analog phone or DECT phone. You should hear a dial tone. Dial the desired number as you would with a standard phone.
- **Receiving Calls:** When an incoming call arrives, your connected phone will ring. Pick up the handset to answer the call.

4.2 Micro PBX Functionality

The Keenetic Linéaire adapter includes a Micro PBX (Private Branch Exchange) system, offering advanced call management features:

- **Internal Communication:** Facilitates communication between connected phones within your local network.
- **Call Management:** Allows for managing calls via shared external lines.
- **Call Transfer:** Transfer active calls between connected phones.
- **Conferencing:** Set up conference calls with multiple participants.
- **Automatic Call Forwarding:** Configure rules for forwarding incoming calls.

Detailed configuration for Micro PBX features can be found in your Keenetic router's advanced telephony settings.

5. MAINTENANCE

The Keenetic Linéaire adapter is designed for low maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Ensure your Keenetic router's firmware is kept up-to-date. Firmware updates for the router may include improvements or bug fixes for the Linéaire adapter. Check the Keenetic website or your router's administration interface for available updates.
- **Environmental Conditions:** Operate the device within recommended temperature and humidity ranges to ensure optimal performance and longevity. Avoid exposing the device to extreme temperatures, direct sunlight, or moisture.



Image: A top-down view of the Keenetic Linéaire adapter, showing its compact design, the two RJ-11 FXS ports on the front, and the integrated USB cable extending from the back.

6. TROUBLESHOOTING

If you encounter issues with your Keenetic Linéaire adapter, refer to the following troubleshooting tips:

- **No Dial Tone:**
 - Ensure the adapter is securely connected to the router's USB port.

- Verify that the analog phone or DECT base station is correctly plugged into one of the RJ-11 FXS ports.
- Check the VoIP configuration in your Keenetic router's web interface. Ensure all SIP credentials and server settings are correct.
- Restart your Keenetic router and the Linéaire adapter.

- **Cannot Make/Receive Calls:**

- Confirm your internet connection is active and stable.
- Verify that your VoIP service provider account is active and has sufficient credit (if applicable).
- Check the router's logs for any error messages related to the telephony service.
- Ensure the correct phone line is selected if using multiple lines.

- **Poor Call Quality (Echo, Static):**

- Check your internet connection speed and latency. VoIP quality is sensitive to network performance.
- Ensure there are no other devices causing interference with the analog phone line.
- Try connecting a different analog phone to rule out a faulty phone.
- Update your Keenetic router's firmware to the latest version.

- **Adapter Not Recognized by Router:**

- Ensure the USB cable is fully inserted into both the adapter and the router.
- Try connecting the adapter to a different USB port on the router, if available.
- Restart the Keenetic router.
- Verify that your Keenetic router model supports the Linéaire adapter.

If issues persist after following these steps, please contact Keenetic support for further assistance.

7. SPECIFICATIONS

Feature	Description
Model Number	KN-3110-01EN
Brand	Keenetic
Connectivity Technology	USB, Wired
Compatible Devices	Analog telephones, DECT telephones
Number of Ports	2 (RJ-11 FXS)
Modem Type	Analog Modem
Manufacturer	Keenetic Limited
International Article Code (EAN)	04897082921417
Key Features	<ul style="list-style-type: none"> • Dual RJ-11 FXS ports for analog/DECT phone connection • Micro PBX functionality for internal communication, call transfer, conferencing • High-quality voice transmission • Compatible with all SIP-based VoIP providers • Universal compatibility with Keenetic routers with USB port

8. WARRANTY INFORMATION

Keenetic products are covered by a limited warranty. Please refer to the official Keenetic website or the warranty card included with your product for specific terms and conditions, including warranty duration and coverage details. Keep your proof of purchase for warranty claims.

Note: Information regarding spare parts availability and guaranteed software updates is not available at this time.

9. SUPPORT

For technical support, additional documentation, or frequently asked questions, please visit the official Keenetic support website. You can typically find support resources, firmware downloads, and contact information for customer service there.

- **Online Support:** <https://keenetic.com/support> (Please check the official Keenetic website for the most accurate support URL for your region).
- **Community Forums:** Keenetic often maintains community forums where users can share experiences and solutions.

