

Connecting Wi-Fi Keenetic Routers via SSTP

You can connect the user's home network to the VPN of the workplace network directly on the Keenetic router. (If you want to connect the office with Keenetic, follow the instructions).

All routers based on KeeneticOS 3.x.x are supported.

1. Configure the users in SafeUTM and enable SSTP in **Users -> VPN connections**.
2. Log in to the Keenetic web management interface: <http://my.keenetic.net>.
3. Install the **SSTP client** system component in the **System components options** menu.

System component options ?



Select desired components by ticking and unticking in the list below, or choose the predefined setup.

Recommended setup

Minimal components setup

Search components by name.

Attention! Changing the components setup will update KeeneticOS to the latest version.

Network functions	
▼ SSTP client	Installed <input checked="" type="checkbox"/>
▼ SSTP VPN server	Installed <input checked="" type="checkbox"/>

For more information about the settings, see [Keenetic documentation](#).

4. Create a connection: go to **Internet** -> **Other Connections** and click **Add connection**.

VPN connection settings



Specify the registration data issued by the VPN server administrator.

Use for accessing the Internet	<input type="checkbox"/>
Connection name	<input type="text" value="smtp.safedns.com"/>
Type (protocol)	<input type="text" value="SSTP"/>
Server address	<input type="text" value="smtp.safedns.com:4443"/>
Username	<input type="text" value="user"/>
Password	<input type="password" value="....."/>
Authentication	<input type="text" value="Auto"/>

[Show advanced settings](#)

Save

Cancel

Don't check the box **Use it to access the Internet**.

Enter the connection name, SSTP protocol, server address (**be sure to specify the port in the address separated by a colon**), username, and password.

5. In **Network Rules -> Routes** add routes to your workplace network. For example, if the office network is `10.0.0.0/8`, add the following route.

The screenshot shows the Keenetic Lite web interface. The top header is blue with the text 'KEENETIC LITE'. On the left is a dark sidebar menu with the following items: 'Device lists', 'Home segment', 'Guest segment', 'NETWORK RULES' (with a shield icon), 'Internet safety', 'Firewall', 'Forwarding', 'Routing' (highlighted), 'Domain name', 'Wireless ACL', 'MANAGEMENT' (with a gear icon), 'System settings', 'Applications', 'Users and access', and 'Diagnostics'. At the bottom of the sidebar is a 'HIDE MENU' button. The main content area is titled 'Static route parameters' and contains the following fields:

- Route type: A dropdown menu with 'Route to host' selected.
- Description: An empty text input field.
- Destination host address: A text input field containing '10.0.0.0'.
- Gateway IP: A text input field containing '255.0.0.0'.
- Interface: A dropdown menu with 'smtp.safedns.com' selected.
- Add automatically: A checkbox that is checked, with a help icon (question mark) to its right.

At the bottom of the form are two buttons: 'Save' (in blue) and 'Cancel' (in white with a blue border).

Choose the VPN connection you created as **Interface** and check the box **Add automatically** so that the route is valid only when the VPN connection is active.

6. Configure DNS for your local domain (for example, Active Directory) so that you can access resources (files and other servers) by DNS names.

In **Network Rules -> Internet Filter -> DNS Servers** specify the DNS server of your domain controller and the domain name.

KEENETIC LITE

Device lists
Home segment
Guest segment

NETWORK RULES

Internet safety
Firewall
Forwarding
Routing
Domain name
Wireless ACL

MANAGEMENT

System settings
Applications
Users and access
Diagnostics

Internet safety ⓘ

Configure secure Internet access for your home network to protect all devices and users from cyber threats.

Service: No protection ⓘ

DNS servers

Specify custom DNS servers that will be used by home network devices which don't have any policies applied.

DNS server address	Domain	Connection
10.100.20.1	safedns.com	smtp.safedns.com ⓘ

[Add a DNS server](#)

[Save](#) [Cancel](#)

The setup is finished.

7. Use the `ping` utility in the command line to check communication and routing.

`nslookup` - to check the local names resolution of the working network.

If the VPN works, but there is no connection to some resources (for example, file or RDP), use the instructions to diagnose problems.

Revision #6

Created 27 August 2022 22:14:23 by Val Redman

Updated 13 October 2022 16:18:54 by Val Redman