

Настройка гостевого wifi через LuCI на OpenWrt

(на базе прошивки Openwrt trunk r28713 от Pilot6)

Настройка точки доступа:

1. Идем в Network - WiFi

The screenshot shows the OpenWrt LuCI interface. At the top, the status bar indicates 'OpenWrt | Attitude Adjustment (r28713) | Load: 0.01 0.02 0.05 | Auto Refresh: on' and 'Changes: 0'. The main navigation bar includes 'Status', 'System', 'Services', 'Network', and 'Logout'. The 'Network' section is active, with sub-tabs for 'Interfaces', 'Wifi', 'Switch', 'DHCP and DNS', 'Hostnames', 'Static Routes', 'Firewall', 'Diagnostics', and 'QoS'. The 'Wifi' tab is selected, showing 'radio0: Master "K&K"'. Below this is the 'Wireless Overview' section, which displays 'Generic 802.11bgn Wireless Controller (radio0)' with 'Channel: 11 (2.462 GHz)' and 'Bitrate: 65.2 Mb/s'. A signal strength indicator shows 100%. The configuration fields include 'SSID: ' (empty), 'Mode: Master', 'BSSID: 74:', and 'Encryption: WPA2 PSK (CCMP)'. Action buttons include 'Scan', 'Add', 'Disable', 'Edit', and 'Remove'. Below the overview is the 'Associated Stations' section, which contains a table with headers: 'SSID', 'MAC', 'Address', 'Signal', and 'Noise'. The table is currently empty. At the bottom of the interface, it says 'Powered by LuCI Trunk (trunk+svn7869)'.

2. Нажимаем кнопку Add.

OpenWrt | Attitude Adjustment (r28713) | Load: 0.47 0.39 0.31 | Auto Refresh: **on** Changes: 0

[Status](#) | [System](#) | [Services](#) | **[Network](#)** | [Logout](#)

[Interfaces](#) | **[Wifi](#)** | [Switch](#) | [DHCP and DNS](#) | [Hostnames](#) | [Static Routes](#) | [Firewall](#) | [Diagnostics](#) | [QoS](#)

radio0: Master "K&K" **radio0: Master "Guest"**

Wireless Network: Master "Guest" (wlan1)

The *Device Configuration* section covers physical settings of the radio hardware such as channel, transmit power or antenna selection which is shared among all defined wireless networks (if the radio hardware is multi-SSID capable). Per network settings like encryption or operation mode are grouped in the *Interface Configuration*.

Device Configuration

General Setup

Advanced Settings

Status

Mode: Master | **SSID:** Guest
BSSID: 76: | **Encryption:** WEP Open System (NONE)
Channel: 11 (2.462 GHz) | **Tx-Power:** 20 dBm
Signal: 0 dBm | **Noise:** -95 dBm
Bit Rate: 0.0 MBit/s | **Country:** DE

Wireless network is enabled

Disable

Channel

11 (2.462 GHz)

Transmit Power

20 dBm (100 mW)

Interface Configuration

General Setup

Wireless Security

MAC-Filter

ESSID

Guest

Mode

Access Point

Network

☐ lan:
☐ wan:
☒ unspecified -or- create:

Choose the network you want to attach to this wireless interface. Select *unspecified* to not attach any network or fill out the *create* field to define a new network.

Hide ESSID

☐

Reset

Save

Save & Apply

3. Заполняем
 - a. Канал
 - b. Мощность
 - c. Имя точки (Guest)
 - d. Режим работы - аксесс пойнт
4. Сохраняем.

На этом с wifi пока все. Переходим дальше.

Настройка интерфейса

1. Идем в Network - Interfaces

OpenWrt | Attitude Adjustment (r28713) | Load: 0.70 0.45 0.34 | Auto Refresh: **on** Changes: 0

Network | Status | System | Services | Logout

Interfaces | Wifi | Switch | DHCP and DNS | Hostnames | Static Routes | Firewall | Diagnostics | QoS

WAN | LAN

Interfaces

Interface Overview

Network	Status	Actions
LAN  ?	Collecting data...	 Connect  Stop  Edit  Delete
WAN  ?	Collecting data...	 Connect  Stop  Edit  Delete

 Add new interface...

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2. Нажимаем add new interface

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Create Interface

Name of the new interface

 The allowed characters are: A-Z, a-z, 0-9 and _

Protocol of the new interface

Create a bridge over multiple interfaces



Cover the following interface

- ☐  Ethernet Switch: "eth0"
- ☐  VLAN Interface: "eth0.1" ([lan](#))
- ☐  VLAN Interface: "eth0.2" ([wan](#))
- ☐  Ethernet Adapter: "gre0"
- ☐  Wireless Network: Master " " ([lan](#))
- ☒  Wireless Network: Master "Guest"
- ☐  Custom Interface:

 Note: If you choose an interface here which is part of another network, it will be moved into this network.

[Back to Overview](#)[Submit](#)

3. Задаем ему имя guest
4. Тип интерфейса - Static address
5. И связываем его с wifi сетью Guest
6. Нажимаем Submit.
7. Открывает окно дальнейших настроек

[Status](#) [System](#) [Services](#) **[Network](#)** [Logout](#)**Interfaces** [Wifi](#) [Switch](#) [DHCP and DNS](#) [Hostnames](#) [Static Routes](#) [Firewall](#) [Diagnostics](#) [QoS](#)[WAN](#) **[GUEST](#)** [LAN](#)

Interfaces - GUEST

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation `INTERFACE.VLANNR` (e.g.: `eth0.1`).

Common Configuration

[General Setup](#)[Advanced Settings](#)[Physical Settings](#)[Firewall Settings](#)

Status


Master "Guest"**Uptime:** 0h 0m 0s
MAC Address: 76:
RX: 0.00 B (0 Pkts.)
TX: 0.00 B (0 Pkts.)

Protocol

Static address

IPv4 address

192.168.2.1

IPv4 netmask

255.255.255.0

IPv4 gateway

IPv4 broadcast

Use custom DNS servers

IP Aliases

This section contains no values yet [Add](#)

DHCP Server

No DHCP Server configured for this interface

[Setup DHCP Server](#)[Reset](#) [Save](#) [Save & Apply](#)

8. Заводим адрес интерфейса - 192.168.2.1
9. Заводим маску - 255.255.255.0
10. Сохраняем.

OpenWrt | Attitude Adjustment (r28713) | Load: 0.84 0.51 0.37 | Auto Refresh: **on** Changes: 0

StatusSystemServices**Network**Logout

InterfacesWifiSwitchDHCP and DNSHostnamesStatic RoutesFirewallDiagnosticsQoS

WAN**GUEST**LAN

Interfaces - GUEST

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNR (e.g.: eth0.1).

Common Configuration

General SetupAdvanced SettingsPhysical SettingsFirewall Settings

Status

Master "Guest"

Uptime: 0h 0m 30s

MAC Address: 76

RX: 0.00 B (0 Pkts.)

TX: 183.66 KB (3061 Pkts.)

IPv4: 192.168.2.1/24

Protocol	Static address
IPv4 address	192.168.2.1
IPv4 netmask	255.255.255.0
IPv4 gateway	
IPv4 broadcast	
Use custom DNS servers	

IP Aliases

This section contains no values yet

Add

DHCP Server

No DHCP Server configured for this interface

Setup DHCP Server

ResetSaveSave & Apply

Powered by LuCI Trunk (trunk+svn7869)

11. Потом нажимаем на Setup DHCP Server

StatusSystemServices**Network**Logout

Interfaces

WifiSwitchDHCP and DNSHostnamesStatic RoutesFirewallDiagnosticsQoS

WAN

GUEST

LAN

Interfaces - GUEST

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation `INTERFACE.VLANNR` (e.g.: `eth0.1`).

Common Configuration

General Setup

Advanced Settings

Physical Settings

Firewall Settings

Status

Master "Guest"

Uptime: 0h 1m 14s
MAC Address: 76
RX: 0.00 B (0 Pkts.)
TX: 494.06 KB (8189 Pkts.)
IPv4: 192.168.2.1/24

Protocol	Static address
IPv4 address	192.168.2.1
IPv4 netmask	255.255.255.0
IPv4 gateway	
IPv4 broadcast	
Use custom DNS servers	

IP Aliases

This section contains no values yet

Add

DHCP Server

General Setup

Advanced Settings

Ignore interface	☐ Disable DHCP for this interface.
Start	100 Lowest leased address as offset from the network address.
Limit	150 Maximum number of leased addresses.
Leasetime	12h Expiry time of leased addresses, minimum is 2 Minutes (2m).

ResetSaveSave & Apply

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12. Я не менял ничего, и просто все сохранил.

Настройка доступа в интернет для гостевого интерфейса.

- Идем в Network - Firewall

OpenWrt | Attitude Adjustment (r28713) | Load: 0.50 0.66 0.48
Changes: 0

Status
System
Services
Network
Logout

Interfaces
Wifi
Switch
DHCP and DNS
Hostnames
Static Routes
Firewall
Diagnostics
QoS

Firewall

The firewall creates zones over your network interfaces to control network traffic flow.

General Settings

Custom Rules

Enable SYN-flood protection

☒

Drop invalid packets

☒

Input

accept

Output

accept

Forward

reject

Zone ⇒ Forwardings

Input

Output

Forward

Masquerading

MSS clamping

Add

Add

Add

- В zones выбираем редактирование для зоны guest (создалась вместе с интерфейсом).

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Firewall - Zone Settings

Zone "guest"

This section defines common properties of "guest". The *input* and *output* options set the default policies for traffic entering and leaving this zone while the *forward* option describes the policy for forwarded traffic between different networks within the zone. *Covered networks* specifies which available networks are member of this zone.

General Settings

Advanced Settings

Name	guest
Input	accept
Output	accept
Forward	reject
Masquerading	☐
MSS clamping	☐
Covered networks	☒ guest:  ☐ lan:  ☐ wan: 

Inter-Zone Forwarding

The options below control the forwarding policies between this zone (guest) and other zones. *Destination zones* cover forwarded traffic **originating from "guest"**. *Source zones* match forwarded traffic from other zones **targeted at "guest"**. The forwarding rule is *unidirectional*, e.g. a forward from lan to wan does *not* imply a permission to forward from wan to lan as well.

Allow forward to <i>destination</i> zones:	☐ lan: lan:  ☒ wan: wan: 
Allow forward from <i>source</i> zones:	☐ lan: lan:  ☐ wan: wan: 

[Back to Overview](#)[Reset](#)[Save](#)[Save & Apply](#)

3. Проверяем связь с интерфейсом guest
4. И ставим галочку на allow forward to destination network для wan.
5. Сохраняем.
6. Получаем.

OpenWrt | Attitude Adjustment (r28713) | Load: 0.42 0.54 0.45
Changes: 0

Status
System
Services
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Firewall

The firewall creates zones over your network interfaces to control network traffic flow.

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Custom Rules

Enable SYN-flood protection

☒

Drop invalid packets

☒

Input

accept

Output

accept

Forward

reject

Add

Add

Add

Итог

Собственно все - можно проверять. Гостевой wifi готов. У себя я его отключил пока. Желющие могу подумать над его зашейплением и т.п.