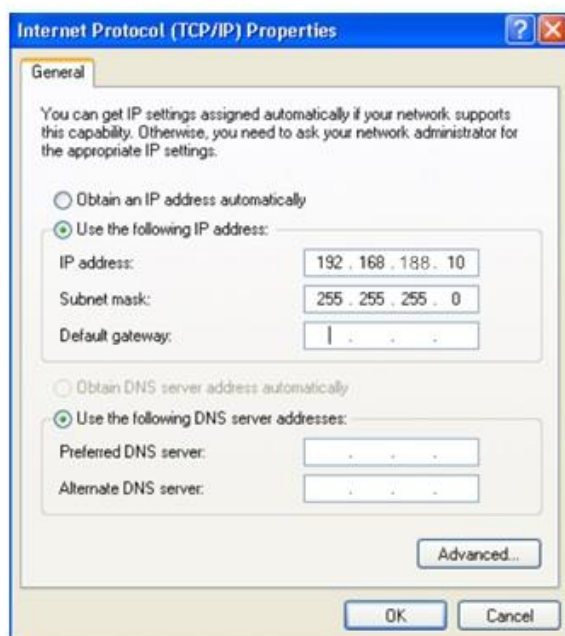


Инструкция по настройке QWO-320-AC-CPE

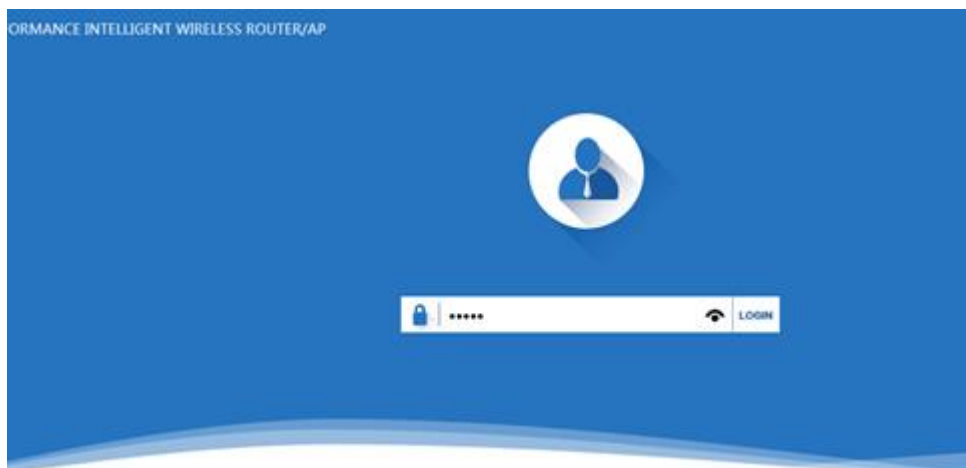




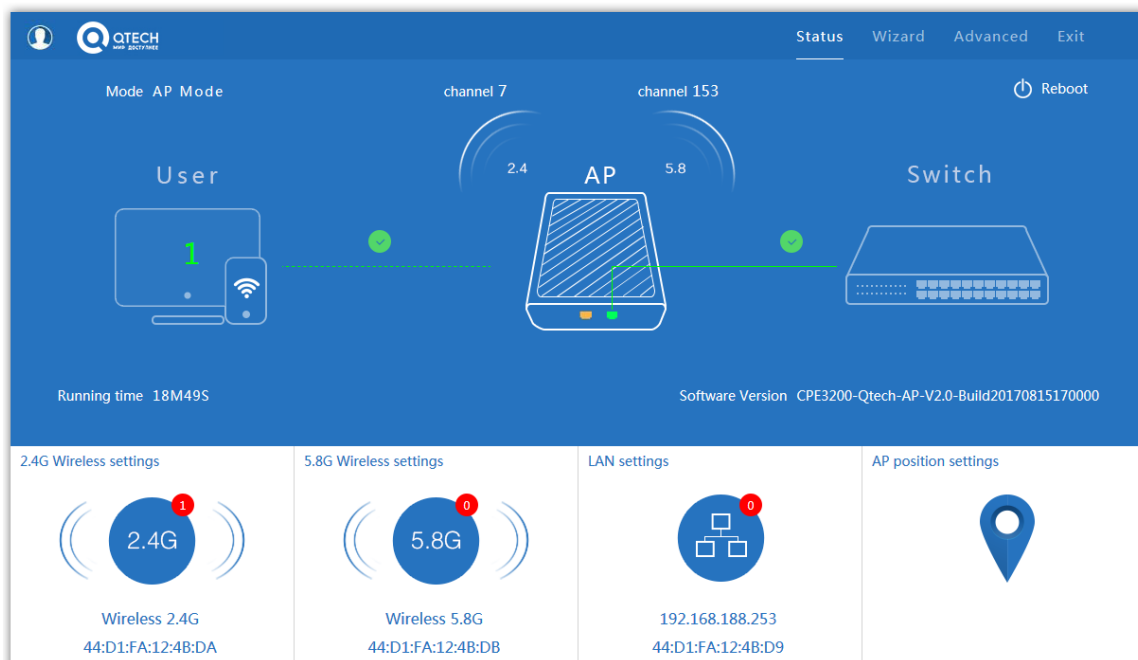
Перед настройкой подключить AP кабелем к порту блока PoE, компьютер подключить к порту LAN блока PoE. Настроить сетевой IP адрес компьютера:



В адресной строке IE браузера прописываем адрес AP 192.168.188.253 в окне авторизации вводим login : Admin, Passwords: admin



После входа в систему вы можете увидеть текущее состояние AP: текущий режим работы, состояние WLAN, версию прошивки.

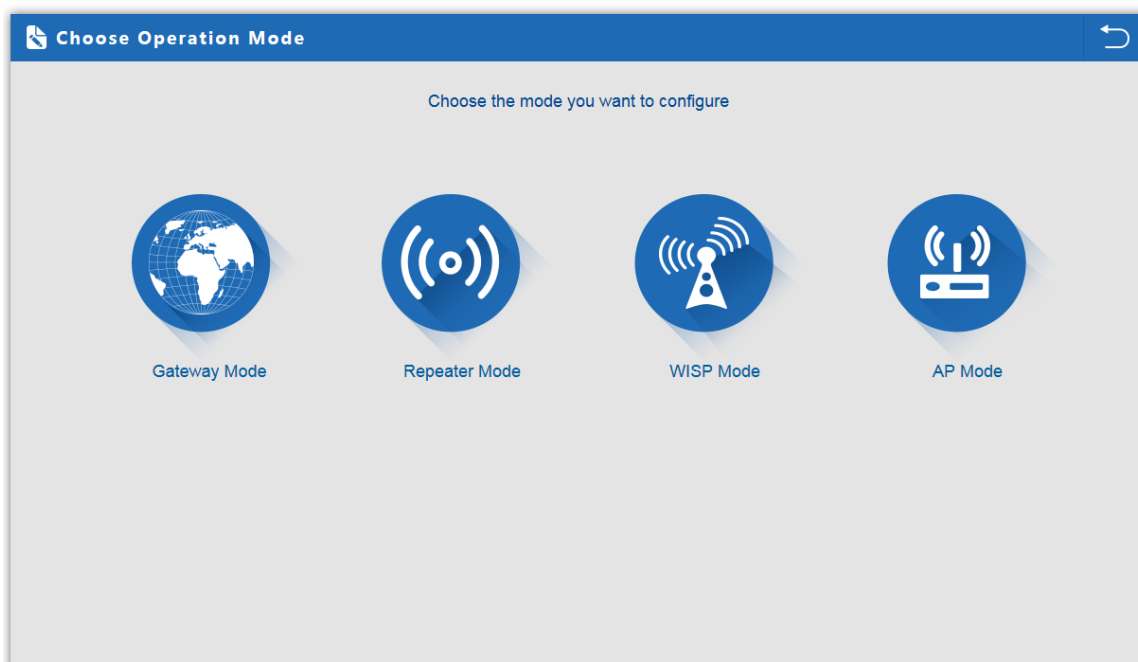


Быстрая настройка

Wizard

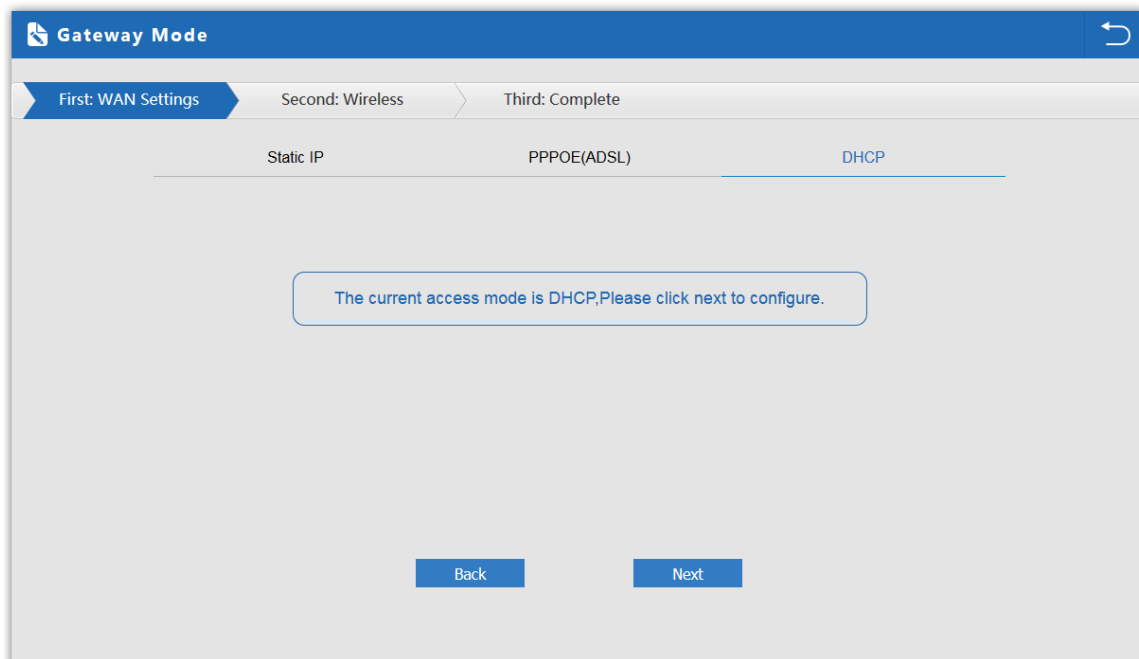
Choose Operation Mode

Выбор режимов работы AP



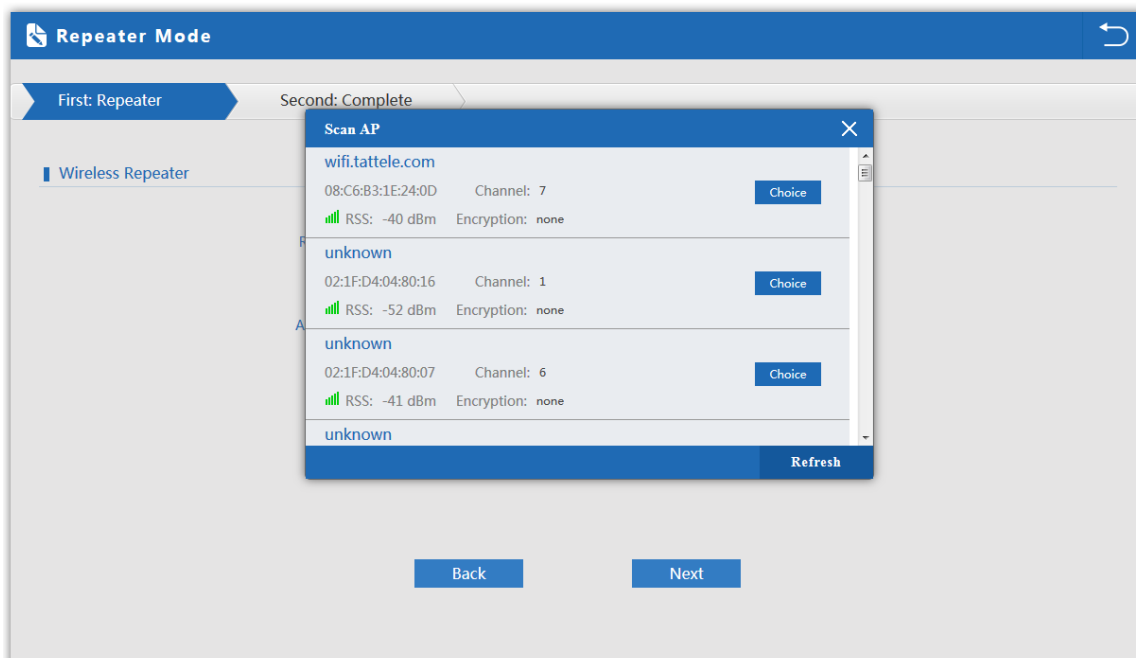
Gateway Mode

Режим подключения к WAN



Repeater Mode

Режим Repeater: точка подключается к AP беспроводным мостом транслируя в прозрачном режиме настройки AP увеличивая зону покрытия.



Нажмите кнопку Scan AP выберите нужную точку доступа настройте шифрование ключ ширину полосы

Repeater Mode

First: Repeater Second: Wireless Third: Complete

Wireless Repeater

Wireless Repeater: 2.4G

Repeater SSID: Laboratory Scan AP

lockmac 78:44:76:CD:9E:30

Band Width: 20MHz

Authentication: WPA2PSK_TKIPAES

Key:

WDS Passthrough

Back Next

Repeater Mode

First: Repeater **Second: Wireless** Third: Complete

Wireless Settings

5.8G Wireless Settings

5.8GHz WLAN Status: ON 5G wireless analyzer

SSID: Wireless 5.8G

Channel: * 5.765 GHz (Channel 153)

Encryption: WPA/WPA2PSK_TKIPAES

Key: 66666666

Back Next

Настройка сети 5ГГц.

Status Repeater Mode



WISP Mode

Режим WISP используется для подключения к беспроводной точке провайдера по радио для выхода в WAN интернет

WISP Mode

First: Repeater Second: WAN Third: Wireless Fourth: Complete

Wireless Repeater

Wireless Repeater 2.4G

Repeater SSID Laboratory Scan AP

lockmac 78:44:76:CD:9E:30

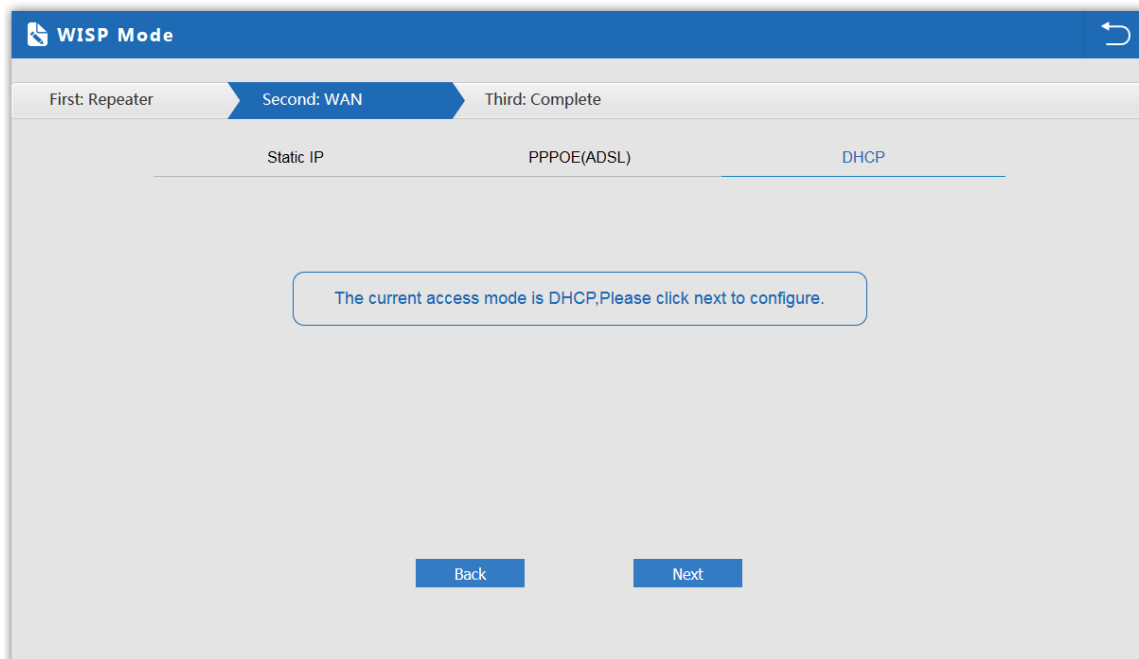
Authentication WPA2PSK_TKIPAES

Key 66666666

Back Next

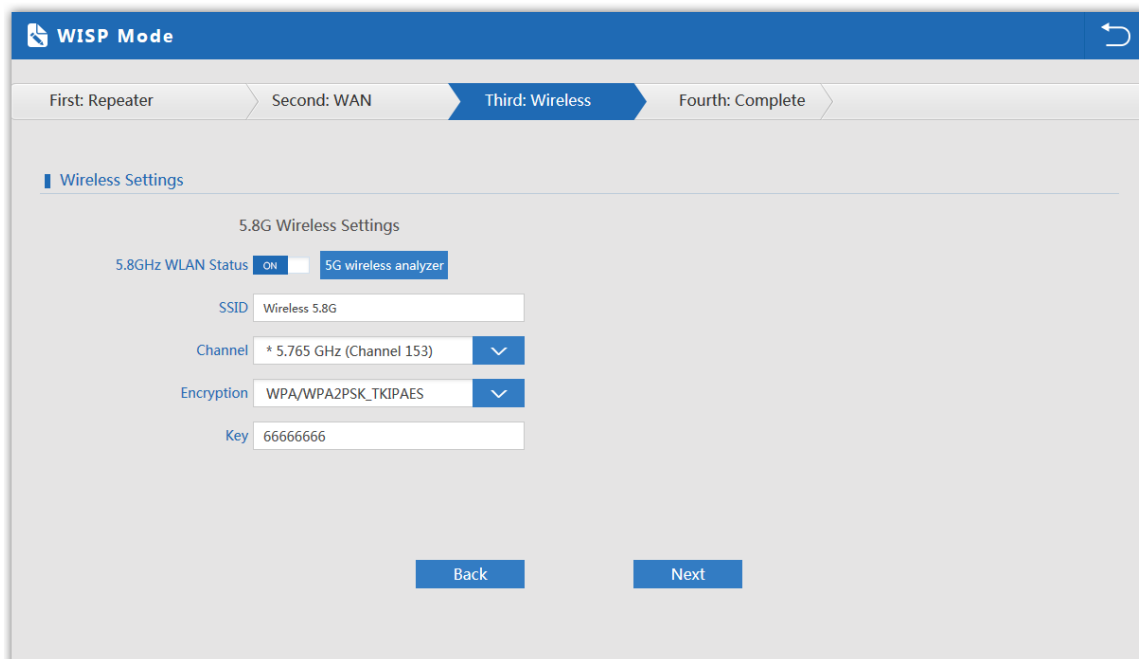
Нажмите кнопку Scan AP выберите нужную точку доступа настройте шифрование ключ

На вкладке Second: WAN настройте доступ .



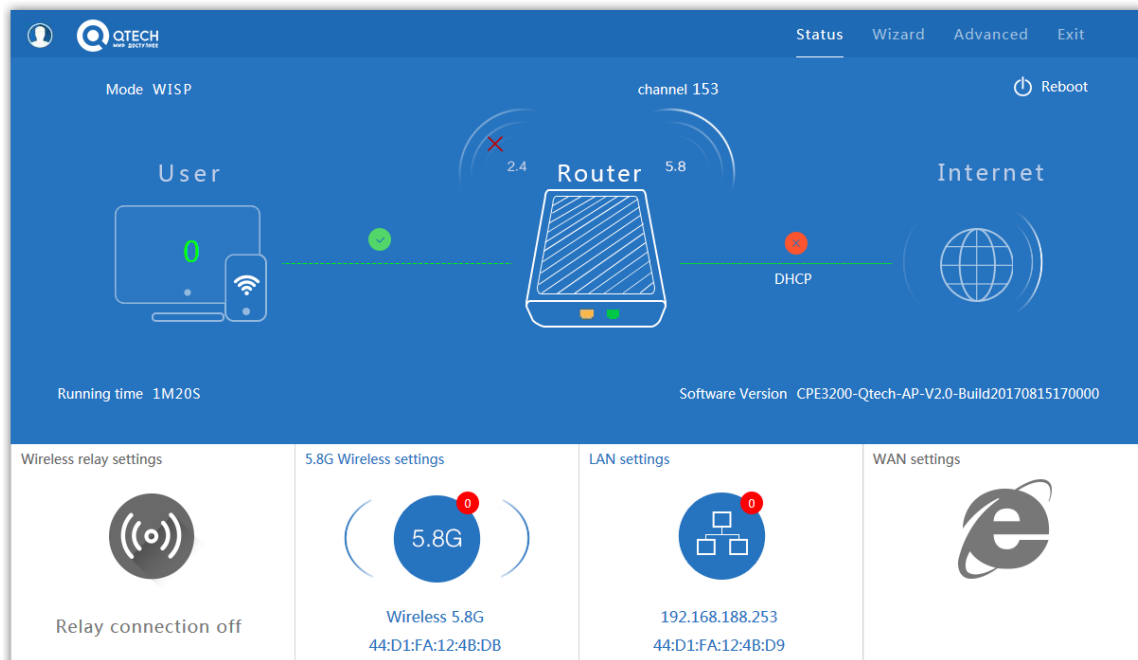
The screenshot shows the 'WISP Mode' configuration interface. At the top, there are three steps: 'First: Repeater', 'Second: WAN' (which is highlighted), and 'Third: Complete'. Below the steps, there are three options for WAN access mode: 'Static IP', 'PPPOE(ADSL)', and 'DHCP'. The 'DHCP' option is selected and underlined. A message box in the center states: 'The current access mode is DHCP, Please click next to configure.' At the bottom, there are two buttons: 'Back' and 'Next'.

Настройка сети 5ГГц.



The screenshot shows the 'WISP Mode' configuration interface for wireless settings. At the top, there are four steps: 'First: Repeater', 'Second: WAN', 'Third: Wireless' (which is highlighted), and 'Fourth: Complete'. Below the steps, there is a section titled 'Wireless Settings'. Underneath, there is a sub-section '5.8G Wireless Settings'. The settings are as follows: '5.8GHz WLAN Status' is set to 'ON' with a toggle switch; '5G wireless analyzer' is a checkbox that is currently unchecked; 'SSID' is set to 'Wireless 5.8G'; 'Channel' is set to '* 5.765 GHz (Channel 153)'; 'Encryption' is set to 'WPA/WPA2PSK_TKIPAES'; and 'Key' is set to '66666666'. At the bottom, there are two buttons: 'Back' and 'Next'.

Status WISP Mode



AP Mode

Режим AP: беспроводное подключения клиентов к AP для выхода в сеть WAN интернет

AP Mode

First: Wireless Second: LAN Third: Complete

Wireless Settings

2.4G Wireless Settings

2.4GHz WLAN Status ON 2G wireless analyzer

SSID Laboratory

Channel 2.442 GHz (Channel 7)

Encryption WPA2PSK_TKIPAES

Key 66666666

5.8G Wireless Settings

5.8GHz WLAN Status ON 5G wireless analyzer

SSID Wireless 5.8G

Channel * 5.765 GHz (Channel 153)

Encryption WPA/WPA2PSK_TKIPAES

Key 66666666

Location Information

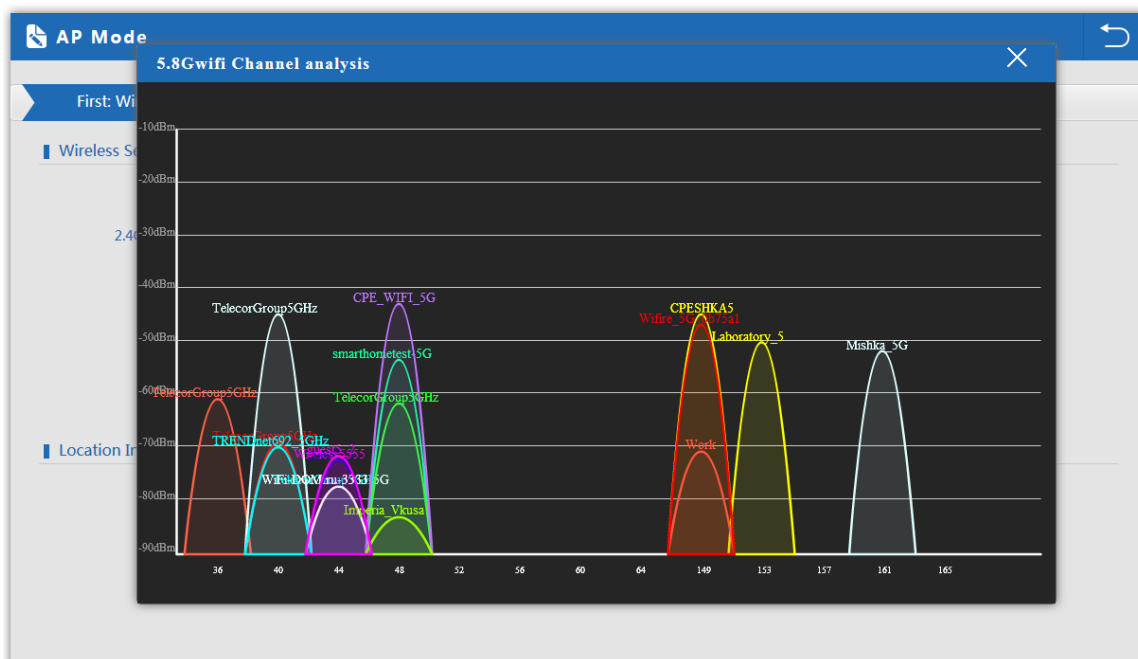
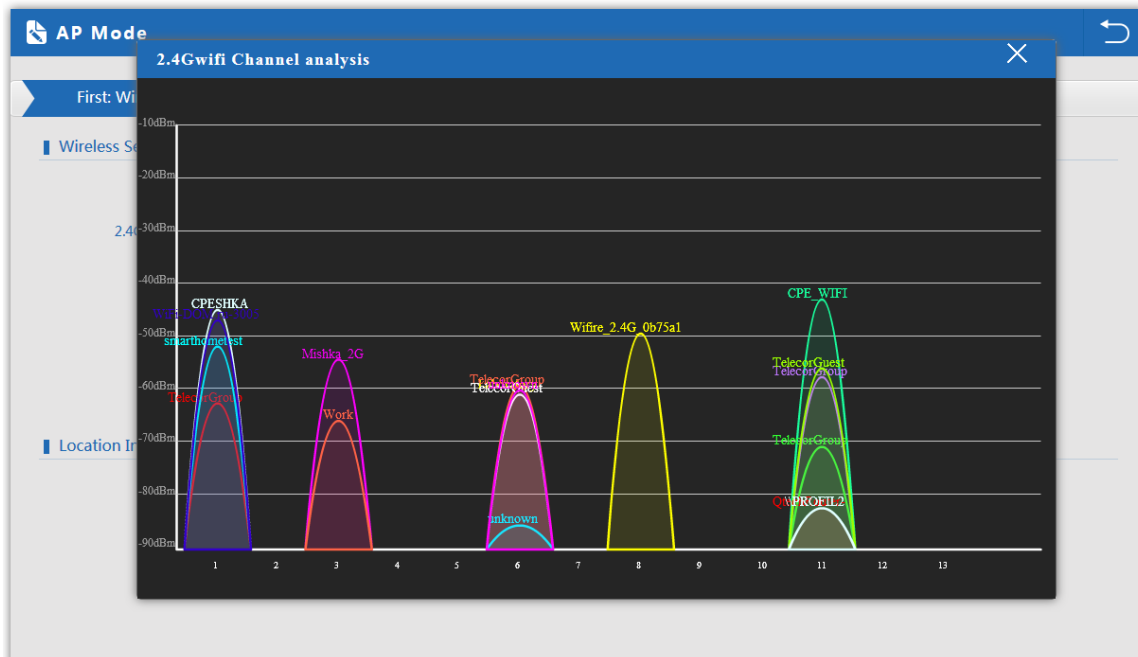
AP Name

AP Location

Back Next

Настройка сети 2.4ГГц и 5ГГц

Настройте SSID канал шифрование ключ название точки AP и её местоположение



Для выбора менее зашумлённых каналов просмотрите диапазон 2.4ГГц и 5ГГц с помощью анализатора спектра.

Настройка LAN

The screenshot shows the 'AP Mode' configuration interface. At the top, there are three steps: 'First: Wireless', 'Second: LAN' (highlighted), and 'Third: Complete'. Below this, the 'LAN settings' section is visible. It includes the following fields:

- Access Type: Static IP
- IP: 192.168.188.253
- Subnet Mask: 255.255.255.0
- Manage server IP: 192.168.188.1

At the bottom of the configuration area, there are two buttons: 'Back' and 'Next'.

Status AP Mode

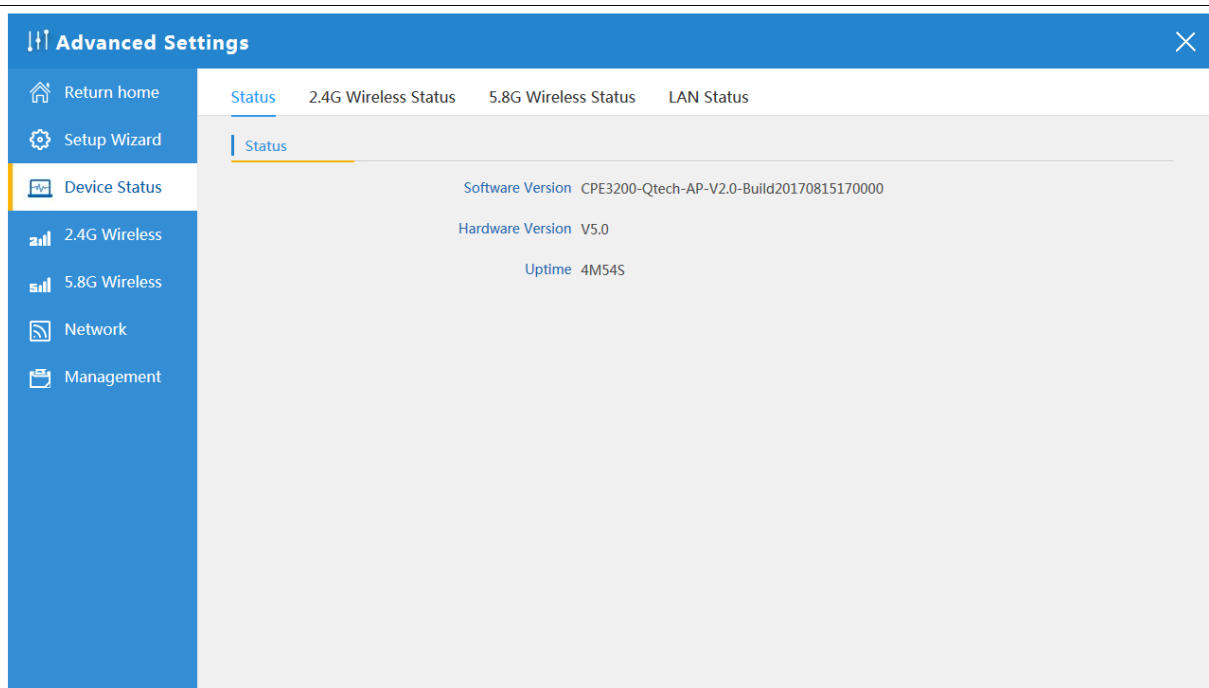
The screenshot displays the 'Status' page of the AP Mode interface. At the top, there are navigation tabs: 'Status', 'Wizard', 'Advanced', and 'Exit'. The main area shows a network diagram with a 'User' (laptop and phone), an 'AP' (Access Point), and a 'Switch'. The AP is connected to the switch via a green line, and the user is connected to the AP via wireless signals (2.4 and 5.8 GHz). The diagram also indicates 'channel 7' and 'channel 153'. Below the diagram, the 'Running time' is 2M19S and the 'Software Version' is CPE3200-Qtech-AP-V2.0-Build20170815170000. At the bottom, there are four status cards:

- 2.4G Wireless settings: Laboratory, 44:D1:FA:12:4B:DA, 0 connections.
- 5.8G Wireless settings: Wireless 5.8G, 44:D1:FA:12:4B:DB, 1 connection.
- LAN settings: 192.168.188.253, 44:D1:FA:12:4B:D9, 0 connections.
- AP position settings: Location pin icon.

Advanced Settings

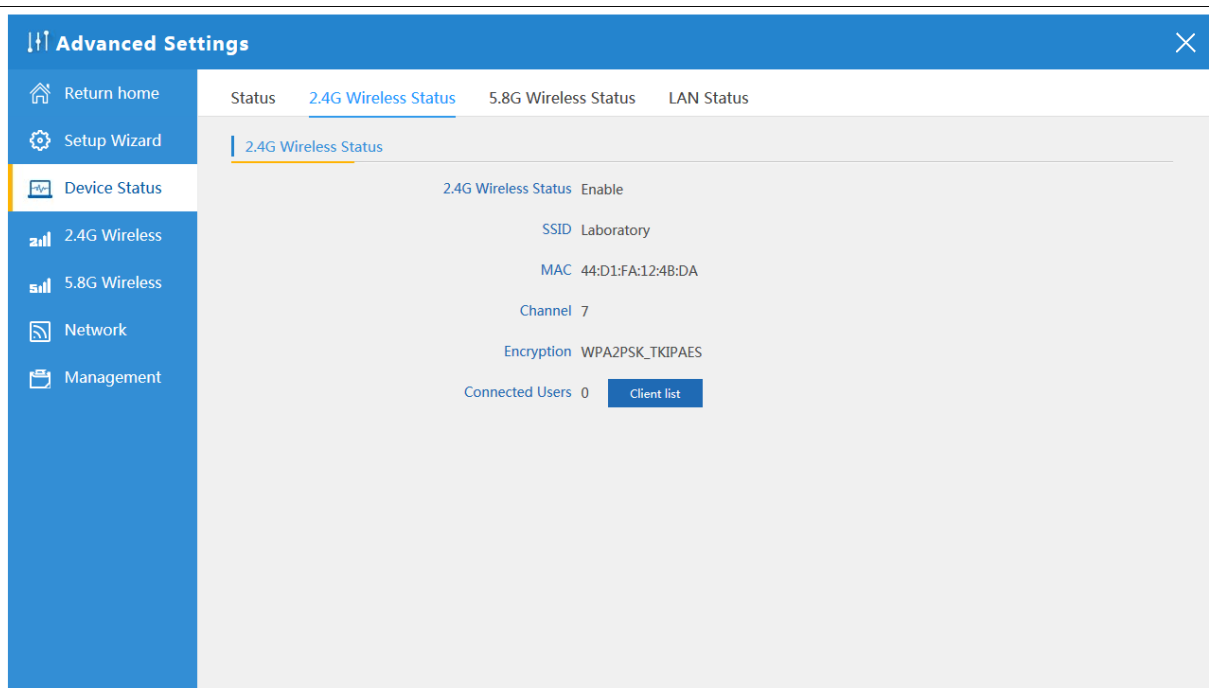
Device Status

В статусе вы увидите версию прошивки, время безотказной работы системы.



2.4 ГГц Wireless Status

Основная информация по базовым настройкам беспроводной сети



5.8 ГГц Wireless Status

The screenshot shows the 'Advanced Settings' window with the '5.8G Wireless Status' tab selected. The left sidebar contains navigation options: Return home, Setup Wizard, Device Status, 2.4G Wireless, 5.8G Wireless, Network, and Management. The main content area displays the following information:

- 5.8G Wireless Status: Enable
- SSID: Wireless 5.8G
- MAC: 44:D1:FA:12:4B:DB
- Channel: 153
- Encryption: WPA/WPA2PSK_TKIPAES
- Connected Users: 1 (with a 'Client list' button)

LAN status

Настройки LAN

The screenshot shows the 'Advanced Settings' window with the 'LAN Status' tab selected. The left sidebar contains navigation options: Return home, Setup Wizard, Device Status, 2.4G Wireless, 5.8G Wireless, Network, and Management. The main content area displays the following information:

- LAN IP: 192.168.188.253
- Subnet Mask: 255.255.255.0
- MAC: 44:D1:FA:12:4B:D9
- Manage server IP: 192.168.188.1
- DHCP Status: Disable
- DHCP address range: 192.168.188.2 — 192.168.188.252
- Assigned IP: 0 (with a 'Client list' button)

Wireless

2.4ГГц Basic Settings

Основные настройки беспроводной сети

The screenshot shows the 'Advanced Settings' window with the '2.4GHz Basic Settings' tab selected. The left sidebar contains navigation options: Return home, Setup Wizard, Device Status, 2.4GHz Wireless (highlighted), 5.8GHz Wireless, Network, and Management. The main content area is divided into three sections: 'Wireless Basic Settings', 'Channel', and 'Authentication'. In 'Wireless Basic Settings', 'Wireless Status' is 'ON' with a '2G wireless analyzer' button, 'SSID' is 'Laboratory', 'Broadcast SSID' is 'Enable', and 'WMM' is 'Enable'. In 'Channel', 'Band Width' is '20MHz' and 'Channel' is '* 2.442 GHz (Channel 7)'. In 'Authentication', 'Encryption' is 'WPA2PSK_TKIPAES' and 'Key' is '66666666'. An 'Apply' button is at the bottom.

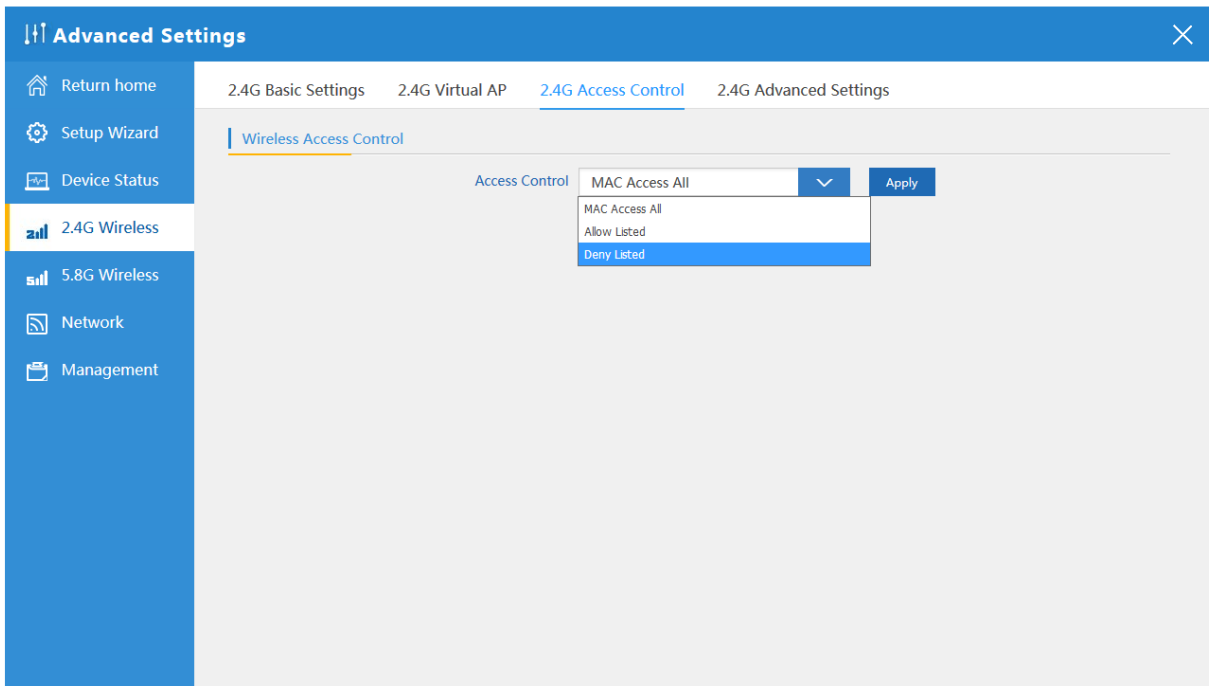
2.4ГГц Virtual AP

Настройка виртуальных сетей

The screenshot shows the 'Advanced Settings' window with the '2.4GHz Virtual AP' tab selected. The left sidebar is the same as in the previous screenshot. The main content area is titled '2.4GHz Virtual AP' and has three sub-sections: 'Virtual AP1', 'Virtual AP2', and 'Virtual AP3'. The 'Virtual AP1' section is active and shows 'Wireless Status' as 'OFF', 'SSID' as 'VAP0', 'Broadcast SSID' as 'Enable', 'WMM' as 'Enable', and 'Encryption' as 'none'. An 'Apply' button is at the bottom.

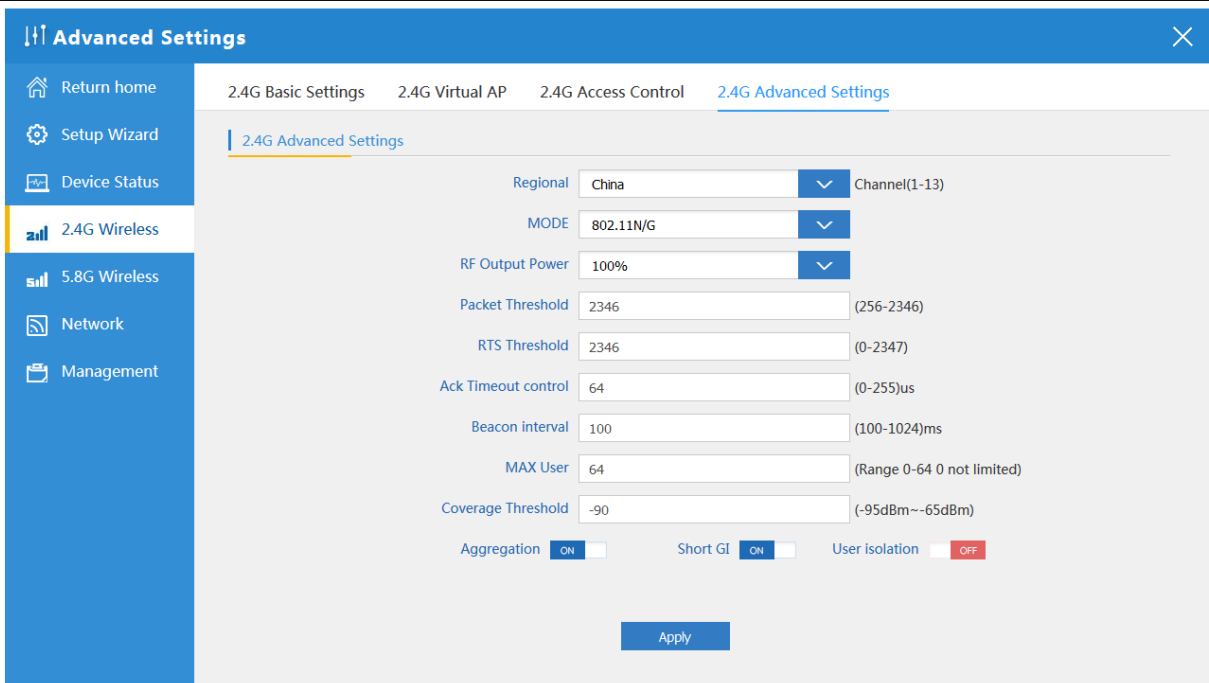
Access Control

Настройка доступа.



2.4ГГц Advanced settings

Расширенные настройки беспроводной сети



5.8ГГц Basic settings

Базовые настройки беспроводной сети.

The screenshot shows the 'Advanced Settings' window with the '5.8G Basic Settings' tab selected. The left sidebar contains navigation options: Return home, Setup Wizard, Device Status, 2.4G Wireless, 5.8G Wireless (highlighted), Network, and Management. The main content area is titled 'Wireless Basic Settings' and includes the following fields:

- Wireless Status: ON OFF
- SSID:
- Broadcast SSID: Disable Enable
- WMM: Disable Enable
- Channel Section:
 - Band Width:
 - Channel:
- Encryption Section:
 - Encryption:
 - Key:

An 'Apply' button is located at the bottom center of the settings area.

5.8ГГц Advanced settings

Расширенные настройки беспроводной сети

The screenshot shows the 'Advanced Settings' window with the '5.8G Advanced Settings' tab selected. The left sidebar is the same as in the previous screenshot. The main content area is titled '5.8G Advanced Settings' and includes the following fields:

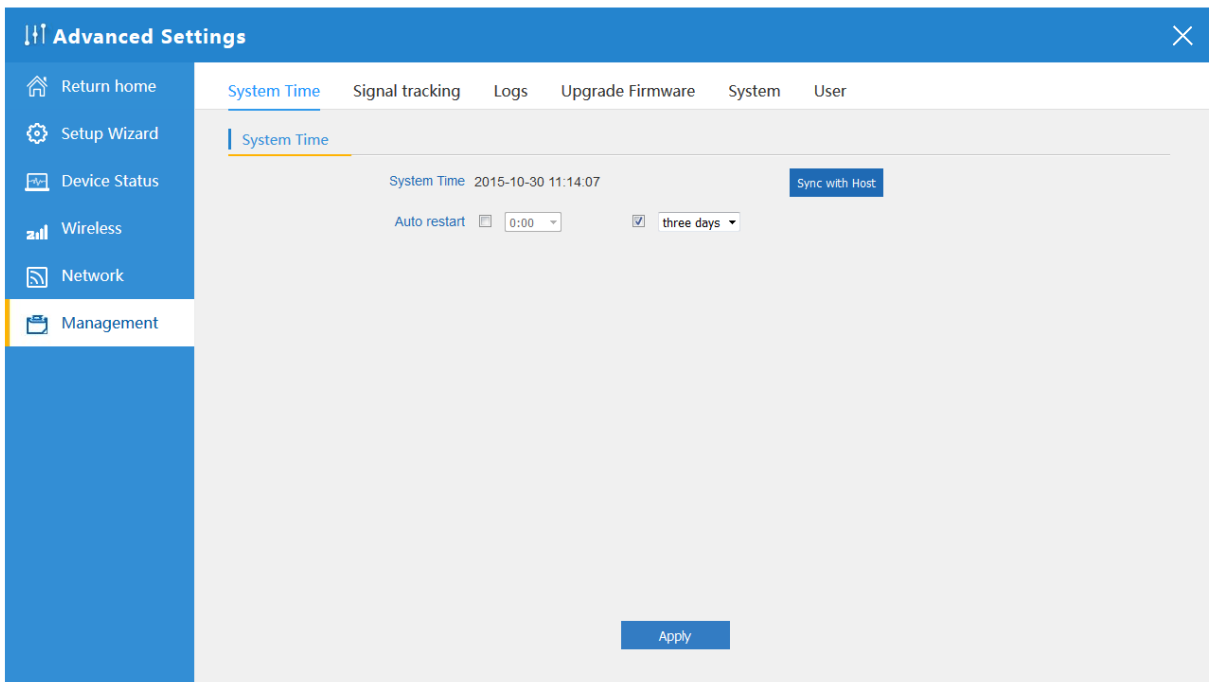
- Regional: Channel(36-64),(149-165)
- MODE:
- RF Output Power:
- Packet Threshold: (256-2346)
- RTS Threshold: (0-2347)
- Ack Timeout control: (0-255)us
- Beacon interval: (100-1024)ms
- MAX User: (Range 0-64 0 not limited)
- Coverage Threshold: (-95dBm~-65dBm)
- Aggregation: ON OFF
- Short GI: ON OFF
- User isolation: ON OFF

An 'Apply' button is located at the bottom center of the settings area.

Management

System Time

Настройка системного времени



Advanced Settings

System Time | Signal tracking | Logs | Upgrade Firmware | System | User

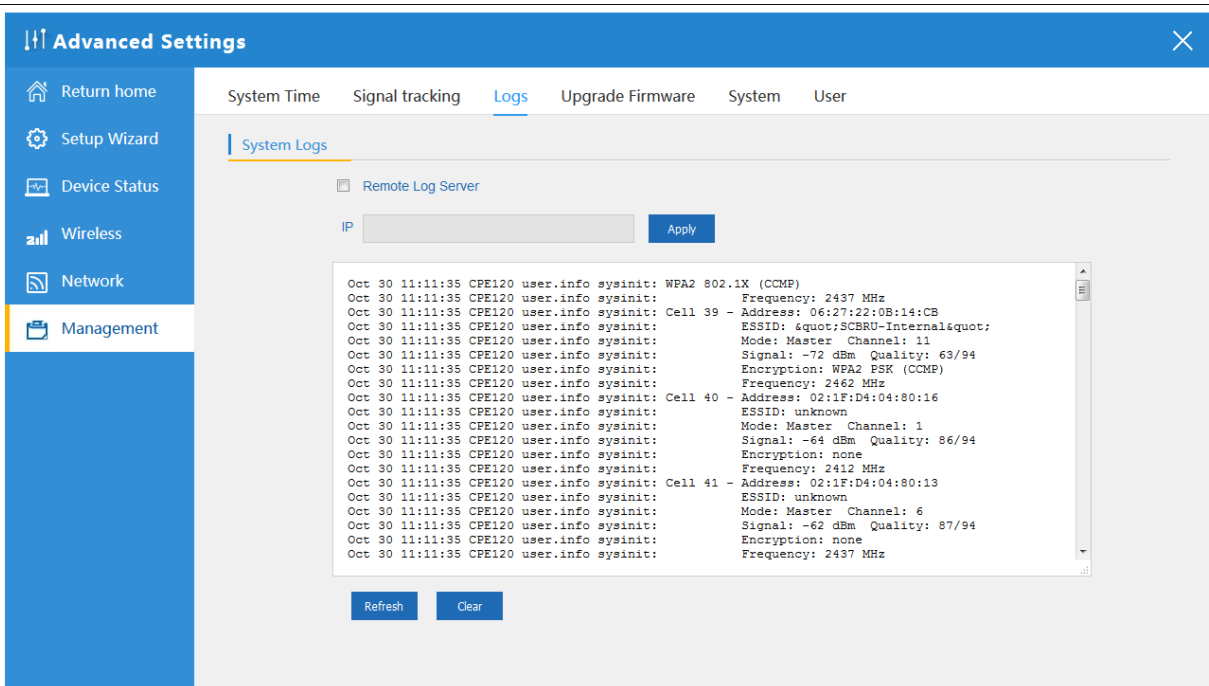
System Time 2015-10-30 11:14:07 Sync with Host

Auto restart 0:00 three days

Apply

Logs

Системный журнал история работы устройства.



Advanced Settings

System Time | Signal tracking | **Logs** | Upgrade Firmware | System | User

System Logs

Remote Log Server

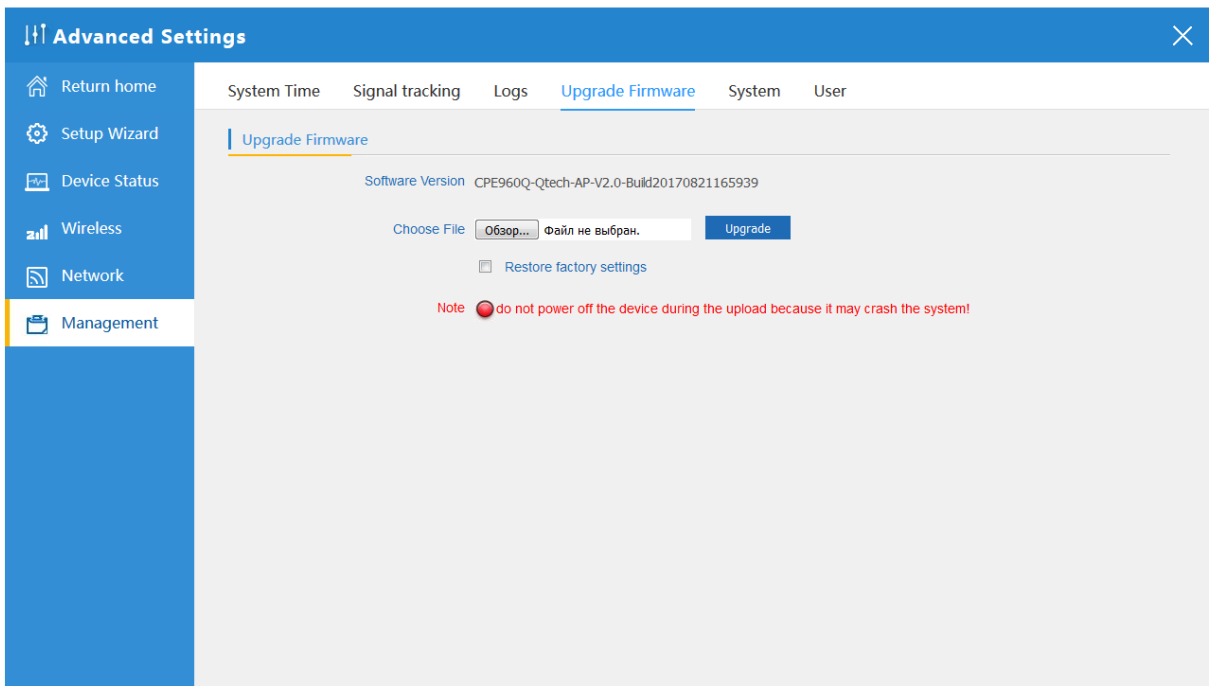
IP Apply

```
Oct 30 11:11:35 CPE120 user.info sysinit: WPA2 802.1X (CGMP)
Oct 30 11:11:35 CPE120 user.info sysinit: Frequency: 2437 MHz
Oct 30 11:11:35 CPE120 user.info sysinit: Cell 39 - Address: 06:27:22:0B:14:CB
Oct 30 11:11:35 CPE120 user.info sysinit: ESSID: "SCBRU-Internal"
Oct 30 11:11:35 CPE120 user.info sysinit: Mode: Master Channel: 11
Oct 30 11:11:35 CPE120 user.info sysinit: Signal: -72 dBm Quality: 63/94
Oct 30 11:11:35 CPE120 user.info sysinit: Encryption: WPA2 PSK (CGMP)
Oct 30 11:11:35 CPE120 user.info sysinit: Frequency: 2462 MHz
Oct 30 11:11:35 CPE120 user.info sysinit: Cell 40 - Address: 02:1F:D4:04:80:16
Oct 30 11:11:35 CPE120 user.info sysinit: ESSID: unknown
Oct 30 11:11:35 CPE120 user.info sysinit: Mode: Master Channel: 1
Oct 30 11:11:35 CPE120 user.info sysinit: Signal: -64 dBm Quality: 86/94
Oct 30 11:11:35 CPE120 user.info sysinit: Encryption: none
Oct 30 11:11:35 CPE120 user.info sysinit: Frequency: 2412 MHz
Oct 30 11:11:35 CPE120 user.info sysinit: Cell 41 - Address: 02:1F:D4:04:80:13
Oct 30 11:11:35 CPE120 user.info sysinit: ESSID: unknown
Oct 30 11:11:35 CPE120 user.info sysinit: Mode: Master Channel: 6
Oct 30 11:11:35 CPE120 user.info sysinit: Signal: -62 dBm Quality: 87/94
Oct 30 11:11:35 CPE120 user.info sysinit: Encryption: none
Oct 30 11:11:35 CPE120 user.info sysinit: Frequency: 2437 MHz
```

Refresh Clear

Upgrade Firmware

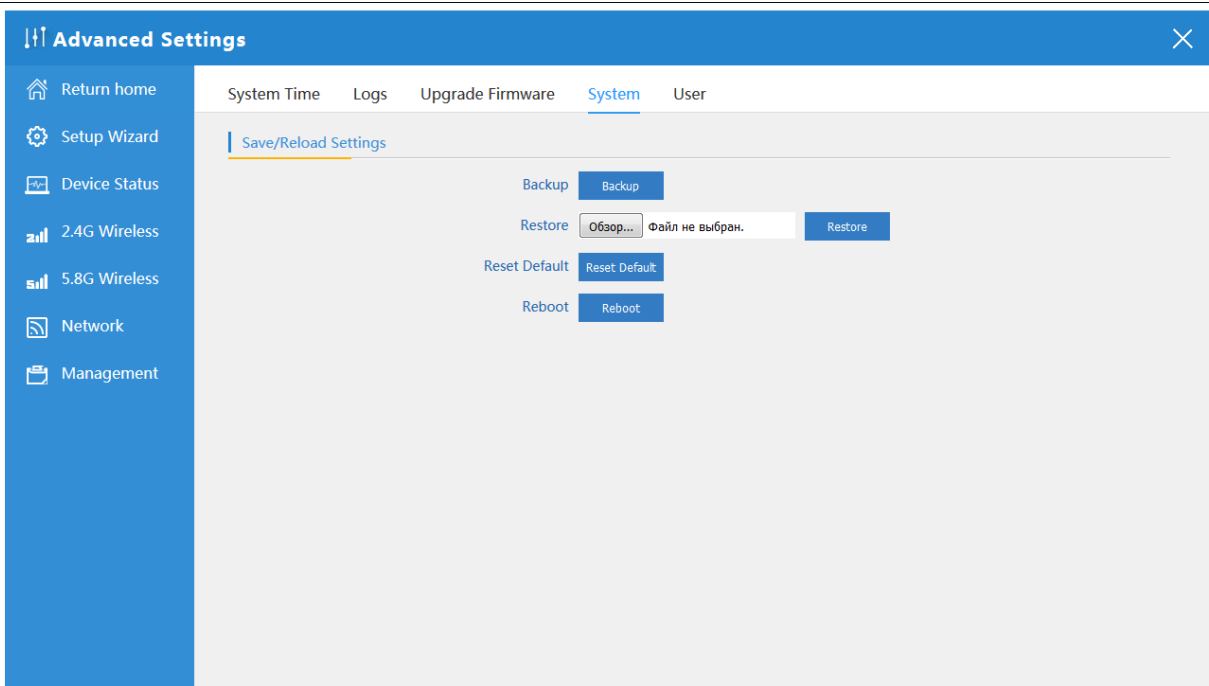
Нажмите кнопку Обзор выберите файл прошивки, затем нажмите Upgrade. После обновления перезагрузите устройство.



System

Save/Reload Settings

Сохранение/загрузка настроек системы, сброс к заводским настройкам, перезагрузка CPE



User

Изменение имени пользователя и пароля входа в систему

Advanced Settings [Close]

System Time | Signal tracking | Logs | Upgrade Firmware | System | User

User

User name

Old Password

Password

Confirm Password

Apply