

1. Login

No password set!
 There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
 Go to password configuration...

Authorization Required

Please enter your username and password.

Username

Password

Powered by LuCI (git-15.363.63969-f168692) / OpenWrt Designated Driver r48016

2. Click "Network > Interfaces > WAN > Edit" to enter the cellular settings

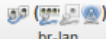


OpenWrt Status ▾ System ▾ Services ▾ Network ▾ Logout Asterisk ▾ AUTO REFRESH ON

No password set!
 There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
 Go to password configuration...

[WAN](#) [WAN6](#) [LAN](#)

Interfaces

Interface Overview

Network	Status	Actions
<div style="background-color: #d9ead3; padding: 5px;"> LAN  br-lan </div>	Uptime: 0h 4m 4s MAC-Address: 34:0B:06:17:22:B1 RX: 150.76 KB (1181 Pkts.) TX: 274.21 KB (1086 Pkts.) IPv4: 192.168.1.1/24 IPv6: fd87:9c82:8292::1/60	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
<div style="background-color: #d9ead3; padding: 5px;"> WAN  3g-wan </div>	Uptime: 0h 3m 54s MAC-Address: 00:00:00:00:00:00 RX: 53.94 KB (291 Pkts.) TX: 38.06 KB (358 Pkts.) IPv4: 10.64.47.168/32	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
<div style="background-color: #d9ead3; padding: 5px;"> WAN6  eth0.2 </div>	Uptime: 0h 0m 0s MAC-Address: 34:0B:06:17:22:B1 RX: 0.00 B (0 Pkts.) TX: 3.42 KB (28 Pkts.)	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

You can check the status of cellular network, and modify relevant parameters if the module is not online.

OpenWrt
Status ▾ System ▾ Services ▾ Network ▾ Logout Asterisk ▾
AUTO REFRESH ON

WAN
WAN6
LAN

Interfaces - WAN

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
Firewall Settings

Status	 3g-wan	Uptime: 0h 8m 23s MAC-Address: 00:00:00:00:00:00 RX: 65.87 KB (394 Pkts.) TX: 49.14 KB (489 Pkts.) IPv4: 10.64.47.168/32
Protocol	<input type="text" value="UMTS/GPRS/EV-DO"/>	
Modem device	<input type="text" value="/dev/ttyUSB0"/>	
Service Type	<input type="text" value="UMTS/GPRS"/>	
APN	<input type="text" value="3GNET"/>	
PIN	<input type="text"/>	
PAP/CHAP username	<input type="text" value="CARD"/>	
PAP/CHAP password	<input type="password" value="...."/>	

3. WAN status: the module has got the IP and DNS.

OpenWrt
Status ▾ System ▾ Services ▾ Network ▾ Logout Asterisk ▾

Memory

Total Available	30124 kB / 60392 kB (49%)
Free	25628 kB / 60392 kB (42%)
Buffered	4496 kB / 60392 kB (7%)

Network

IPv4 WAN Status	Type: 3g Address: 10.18.76.71 Netmask: 255.255.255.255 Gateway: 10.64.64.64 DNS 1: 120.80.80.80 DNS 2: 221.5.88.88 Connected: 0h 56m 0s
-----------------	---

You may click “Network > Diagnostics” to test the network is available.

The screenshot shows the OpenWrt web interface. At the top, there is a navigation bar with 'OpenWrt', 'Status', 'System', 'Services', 'Network', 'Logout', and 'Asterisk'. Below this is a yellow warning box: 'No password set! There is no password set on this router. Please configure a root password to protect the web interface and enable SSH. Go to password configuration...'. The main section is titled 'Diagnostics' and 'Network Utilities'. It features three utility buttons: 'Ping', 'Traceroute', and 'Nslookup', each with a corresponding input field containing 'dev.openwrt.org'. Below these is a terminal window showing the output of a ping command to dev.openwrt.org (217.115.15.26). The output shows 5 successful pings with varying response times (431.002 ms to 468.694 ms) and 0% packet loss.

4. Click “Network > WIFI” to enter the General Setup and Advanced Settings.

Then click “Enable” to use this feature.

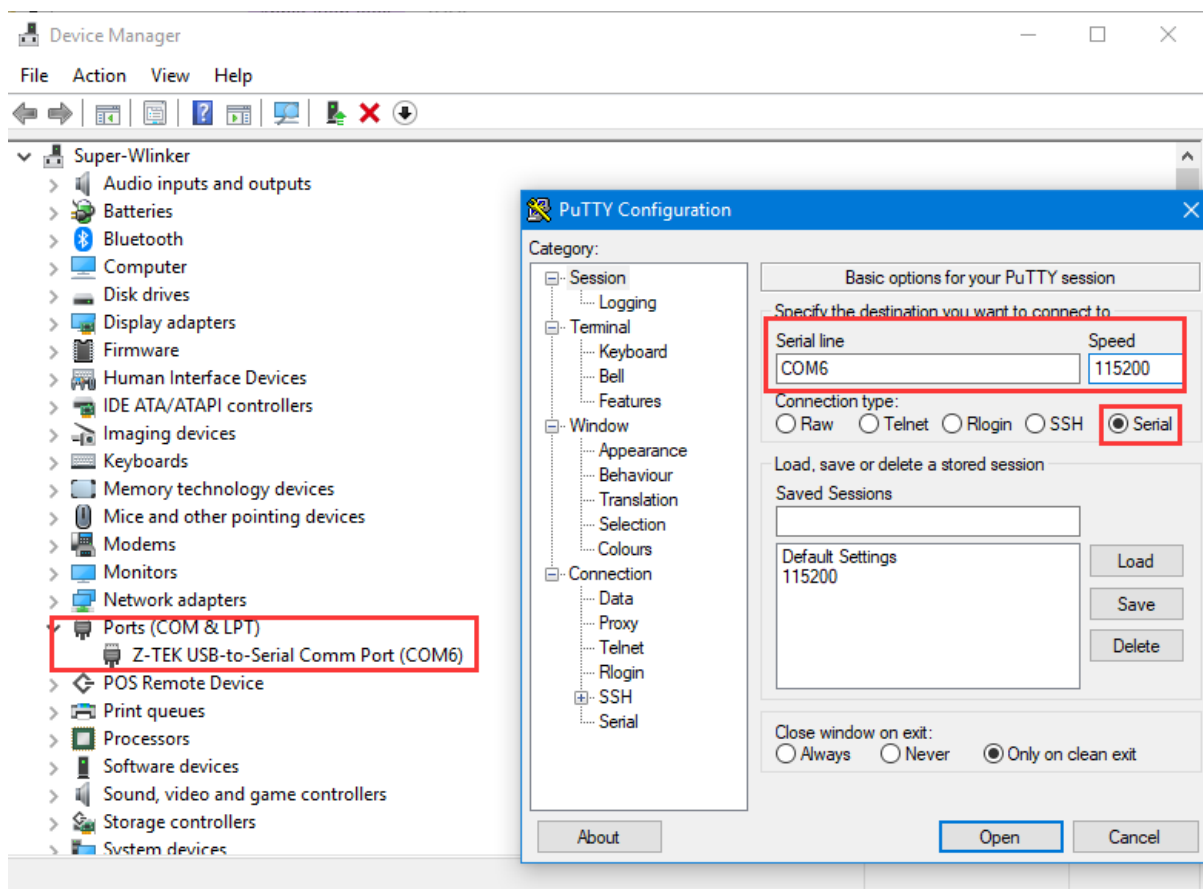
The screenshot shows the 'Wireless Network: Client "OpenWrt" (radio0.network1)' configuration page. The top navigation bar includes 'OpenWrt', 'Status', 'System', 'Services', 'Network', 'Logout', 'Asterisk', and an 'AUTO REFRESH ON' button. A yellow warning box is present at the top. The page title is 'Wireless Network: Client "OpenWrt" (radio0.network1)'. Below the title is a paragraph explaining that the 'Device Configuration' section covers physical settings like channel, power, and antenna, while 'Interface Configuration' covers encryption and operation mode. The 'Device Configuration' section has two tabs: 'General Setup' and 'Advanced Settings'. The status shows 'SSID: OpenWrt | Mode: Client' and '0% Wireless is disabled or not associated'. There is an 'Enable' button. The 'Operating frequency' section includes dropdowns for 'Mode' (set to 'N'), 'Channel' (set to '11 (2462 MHz)'), and 'Width' (set to '20 MHz'). The 'Transmit Power' is set to '23 dBm (199 mW)' with a 'dBm' icon below it.

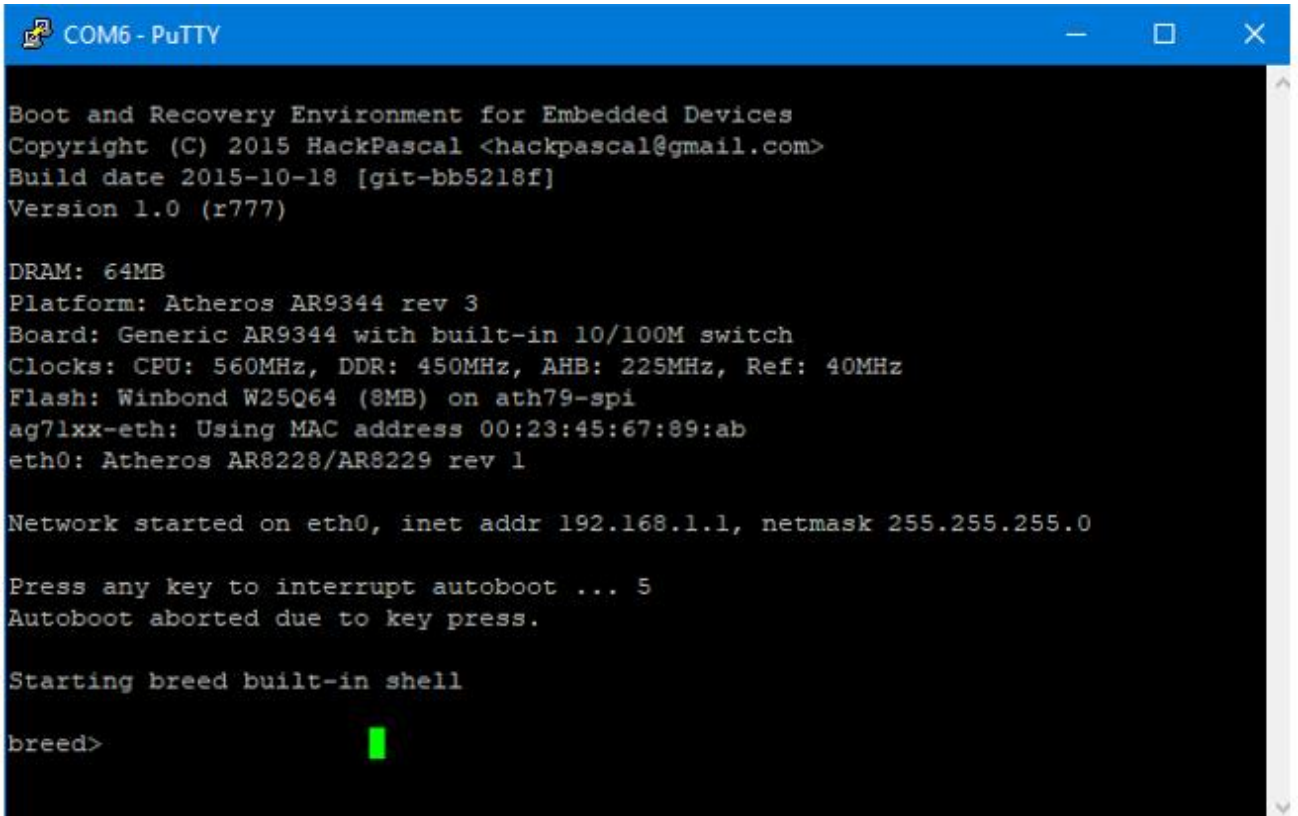
5. Upgrade

5.1 Connect router to PC via RS-232 cable and LAN2

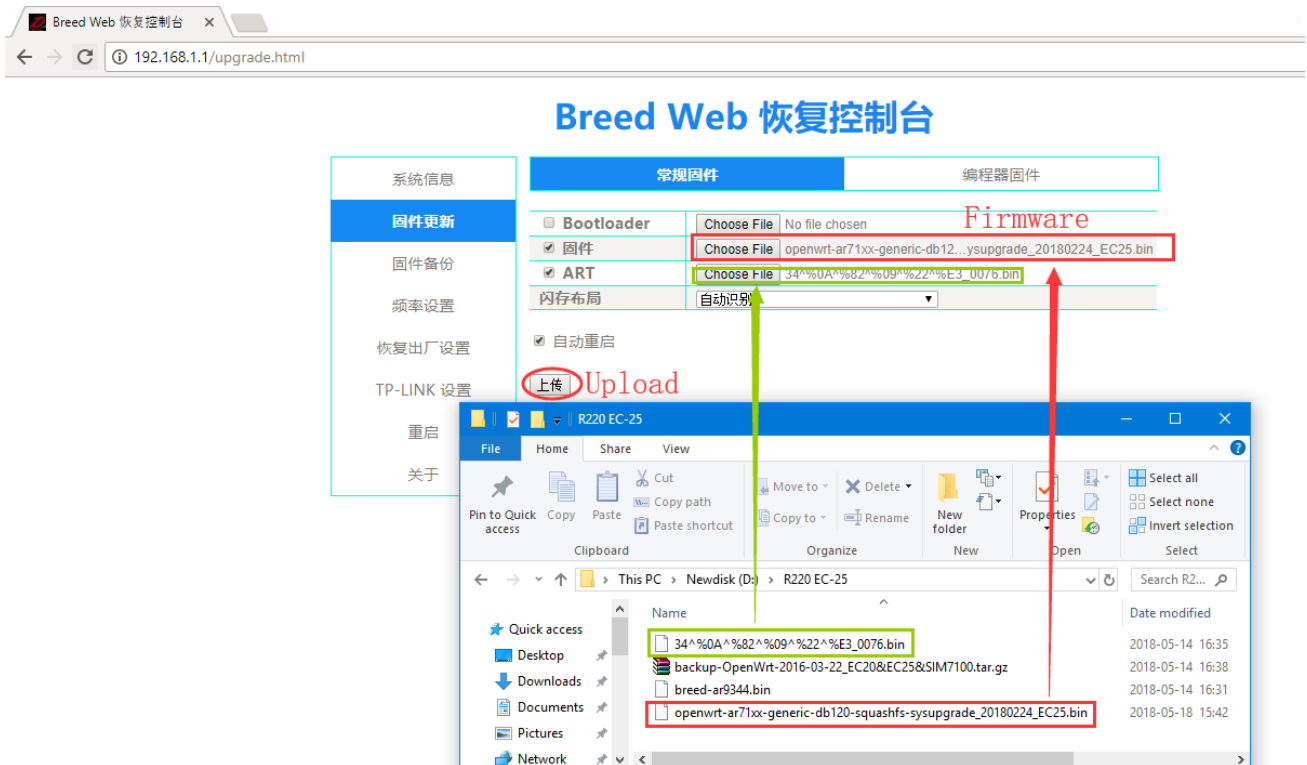


5.2 Open the PuTTY tool and keep spacebar press, then power on the router. Release the spacebar when the following appears.





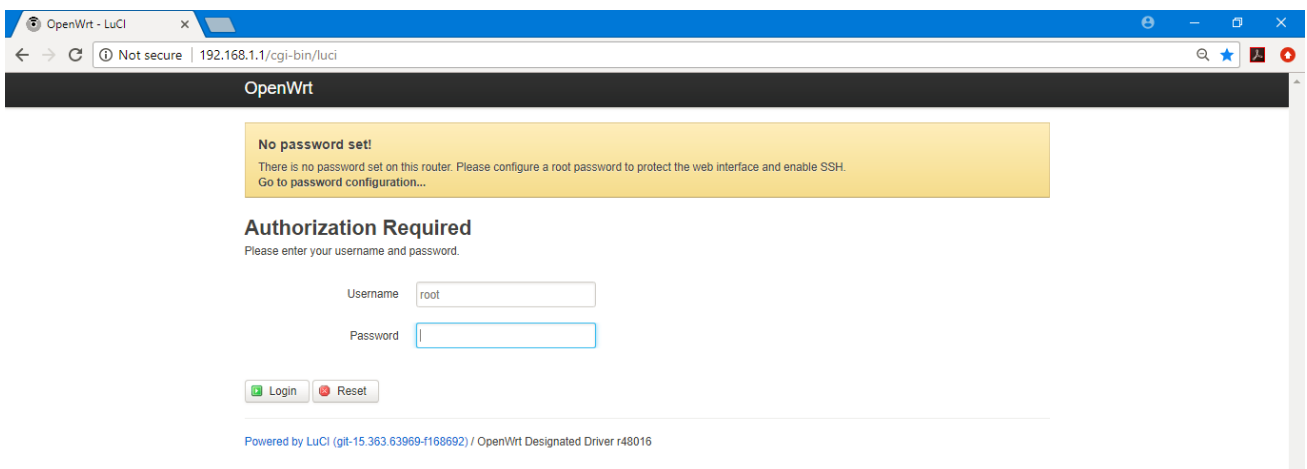
5.3 Access to 192.168.1.1 to complete firmware and ART file upgrade.



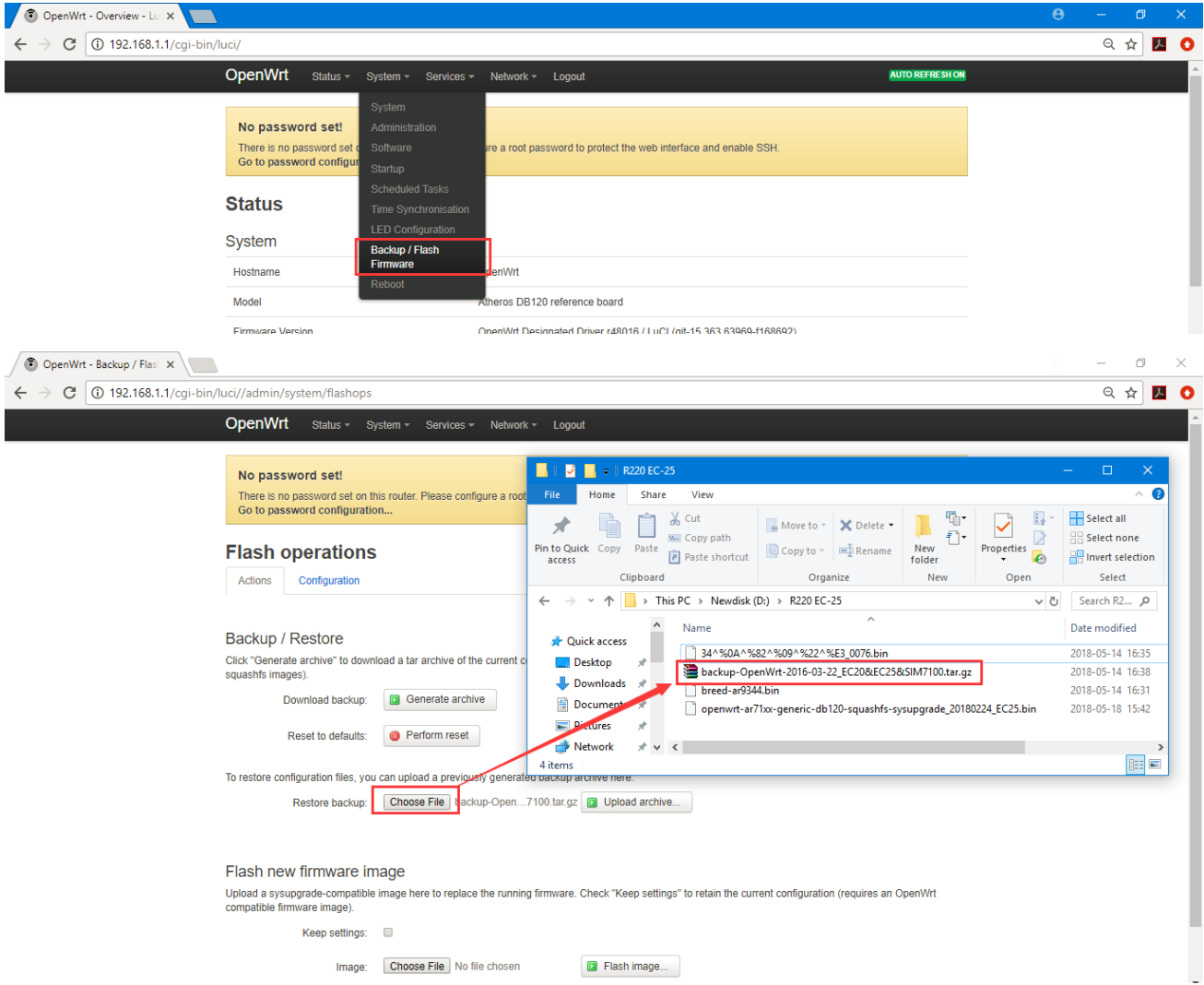
Click upgrade, wait until it is complete.



5.5 Login to router GUI while the updates is completed.



5.6 Finally, upgrade the configuration file.



----The end