

# ***Radio Infinity***

NR413-SA 3G Mobile Router

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## **USER MANUAL**

## **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

### **IMPORTANT NOTE:**

#### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

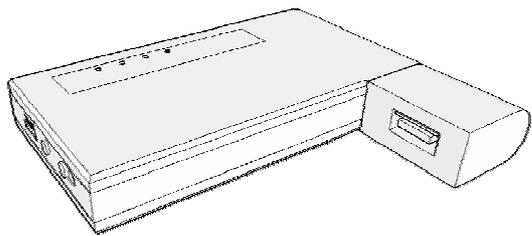
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Note to US model owner: To comply with US FCC regulation, the country selection function has been completely removed from all US models. The above function is for non-US models only.**

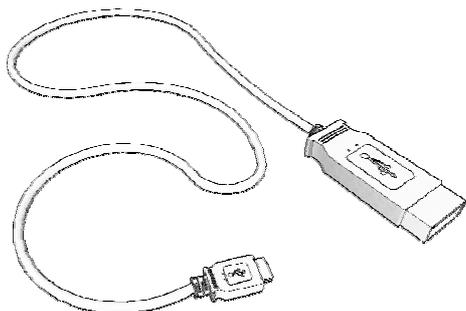
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## Package Contents



**NR413-SA 3G Mobile Router**



**USB to mini-USB cable**

### **CAUTION**

*Using a power supply with a different voltage rather than the one included with the NR413-SA will damage and void the warranty for this product.*

## Charging Methods

### Power Adapter

Attach the USB end of the cable into the port of the power adapter and the other end into the Mini-B USB port of the NR413-SA Mobile Router, and then plug the power adapter into a wall socket.

### PC or Laptop

To charge via PC or laptop, attach the cable into the USB port of your computer and the other end into the mini-USB port of the NR413-SA 3G Mobile Router.

### Car Adapter

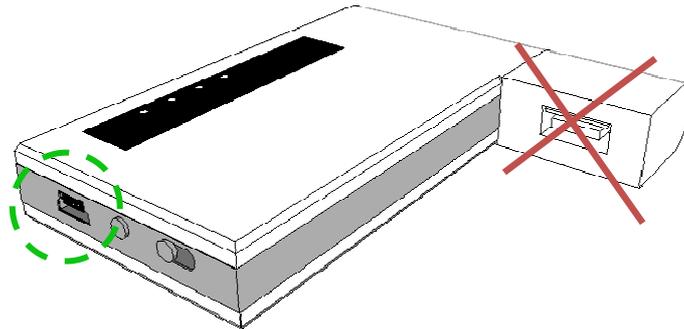
Use the optional car adapter to charge the NR413-SA 3G Mobile Router in your vehicle. Attach the cable into the mini-USB port of router and then plug the car adapter into the socket of the vehicle.

### **WARNING!**

*Do not attempt to charge the router via the USB dongle port!*

*This will cause damage to the router and void the warranty for this product.*

*Always **charge** via the mini-USB port using the cable provided.*



# NR413-SA 3G Mobile Router



## Light Indicators



Indicates 3G Connection Sstatus

WIFI

Indicates Wi-Fi Connection Status



Power Status



Charging Indicator

## LED Status

WIFI	<b>Blinking</b> <b>On</b>	Searching Network Connected to Wi-Fi Network*
	<b>Blinking</b> <b>On</b>	Dialling Network Connected to 3G Network*
	<b>On/Off</b> <b>Blinking</b>	Power Status* Low Battery
	<b>On</b> <b>Off</b> <b>Blinking</b>	Charging Not charging Battery Fault

### NOTICE

*In order to help conserve battery life, light indicators will automatically turn off after being connected for 10 seconds. **To refresh the light indicators, press the Wake button.***

# Battery Guide & Charging Tips

## NOTICE

*It is recommended to fully charge the battery for a minimum of 8 hours before using the NR413-SA 3G Mobile Router for the first time.*

### About the battery

- It takes a minimum of 5 hours for the battery to fully charge.
- Battery life will last up to 6 hours depending on usage.
- Battery life lasts up to 100 hours in Standby Mode.

The battery for the NR413-SA 3G Mobile Router will last for up to 6 hours depending on:

- The manufacturer's USB 3G dongle.
- The number of Wi-Fi devices connected.
- Signal strength & Network.
- Online usage & Data transfers.
- Temperature, features, and accessories.

You can use the NR413-SA 3G Mobile Router while it is charging. However, be aware that it may take longer for the battery to become fully charge.

## Tips

*To maximize the potential of the NR413-SA 3G Mobile Router's battery, we recommend users to note the following:*

- *When charging your router, keep it near room temperature.*
- *Avoid leaving the router in direct sunlight.*
- *Allow for frequent full charge and discharge cycles.*
- *Store your router in a cool, dry place.*
- *Never expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F).*
- *It is normal for batteries to gradually wear down and require longer charging times.*

## Antenna Reception

Users can rotate the dongle to improve the wireless 3G reception in weak signal areas.

For optimal reception strength, rotate the dongle to **90 degrees**.

Although the Mobile Router is designed to rotate to a maximum of **180 degrees**, it is recommended for users not to rotate the dongle beyond **120 degrees**.

### WARNING!

*Always rotate the dongle upwards with the light indicator panel of the Mobile Router facing upwards no further than 180 degrees.*

*Similarly, do not rotate the dongle downwards beyond 45 degrees.*

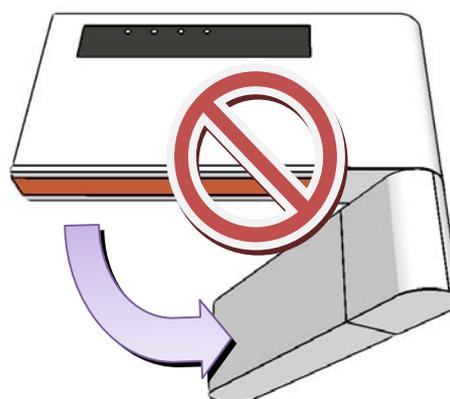
*Rotating the dongle beyond these points will damage and void the warranty of the Mobile Router.*



*For optimal reception strength, rotate the dongle to **90 degrees***



*Do not rotate the dongle upwards beyond 90 degrees*

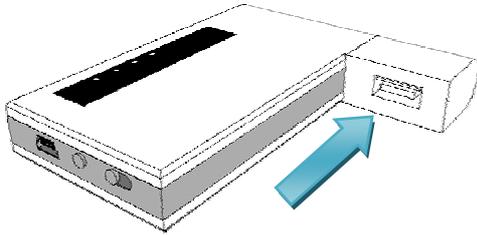


*Do not rotate the dongle downwards beyond 45 degrees*

# Quick Connection & Setup

## Connecting to the NR413-SA 3G Mobile Router

- ① Plug in your USB 3G modem



- ② Move the power switch from **OFF** > **ON**.

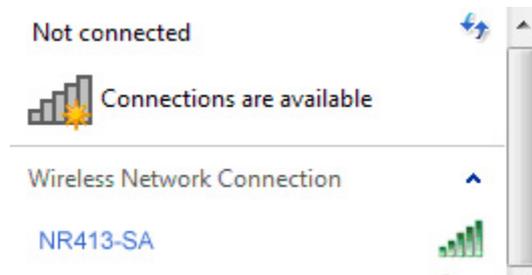


The power LED light will turn on. The Wi-Fi & 3G LED lights will flash.

- ③ The lights will stay on once a successful connection has been established.



- ④ Open your wireless network and search for **NR413-SA**



- ⑤ Connect to **NR413-SA**



### **NOTICE**

*You can connect to the NR413-SA 3G Mobile Router without configuring any security settings. However, it is highly recommend that you enable Wi-Fi security to prevent unauthorized users from accessing your network*

## Quick & Advanced Configuration

Once you have connected to the NR413-SA 3G Mobile Router you can now login and use the browser interface to configure the router's settings.

### To login

1. Open your Web browser. Enter **192.168.6.1** into the address bar and press **Enter** or the **Return** key. You will be directed to the login page for the browser interface.



2. Select the '**Quick**' or '**Advanced**' button on the login page.

A screenshot of the login page interface. It features a language dropdown menu set to 'English', a settings mode section with radio buttons for 'Quick' (selected) and 'Advanced', a password input field, and a 'login' button. Below the password field, it indicates '( Default: admin)'.

Language :

Settings mode :  Quick  Advanced

Password :

( Default: admin)

Select the '**Quick**' option to quickly configure the router's basic settings, such as setting the Dial code, APN and wireless security.

For more configuration options, select '**Advanced**' to be directed to the Main Homepage. Users can then navigate through the router's advanced settings to configure MAC addresses, DHCP, Firewall, SMS and Firmware Upgrade.

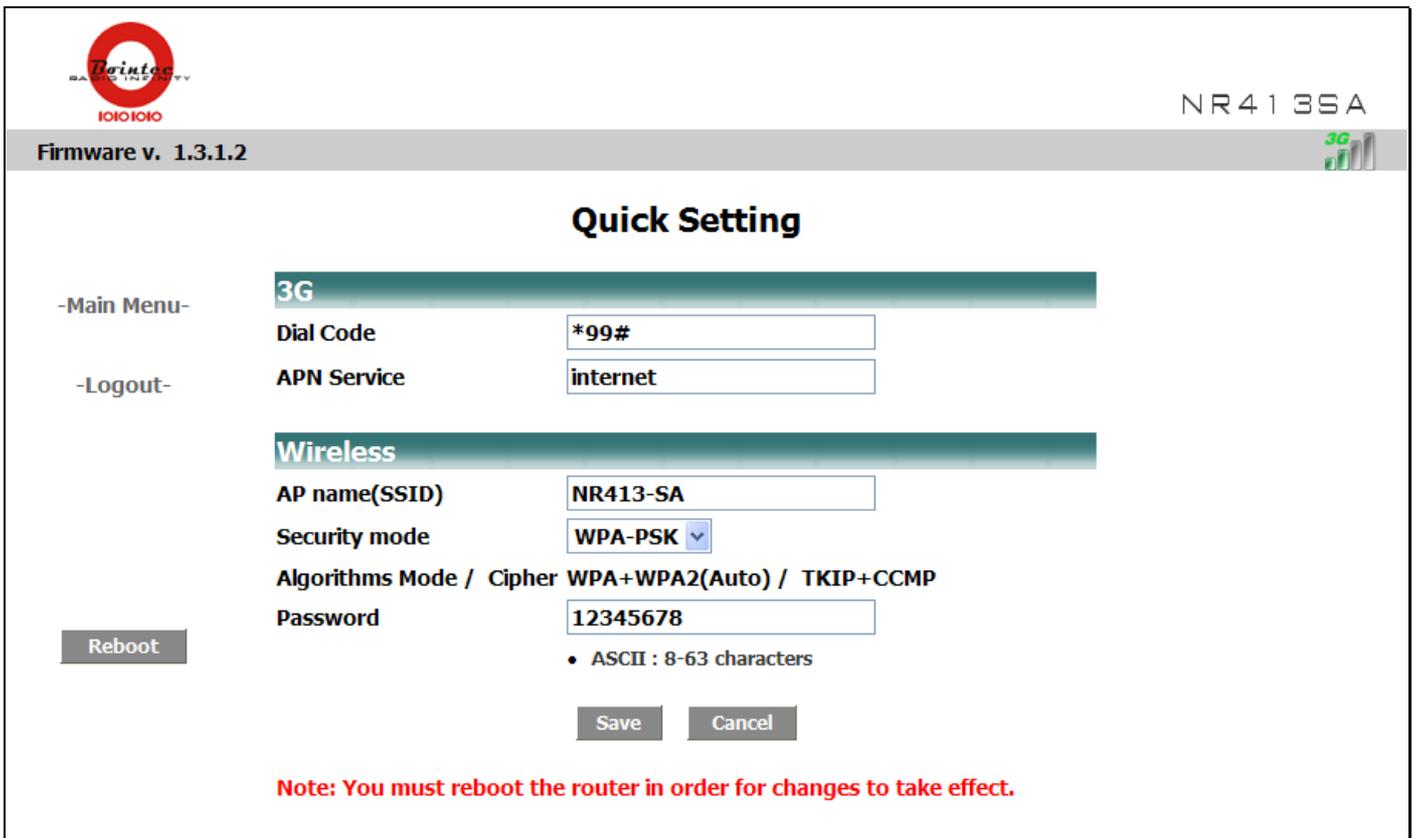
3. Enter your password & click '**login**'.  
(Default password is: '**admin**')

### Tips

*'Add to Favorites' or 'Bookmark this page' in your Web browser for faster & easier access.*

## Quick Configuration Settings

In the 'Quick Settings' window, users can quickly configure the basic 3G & Wireless settings for the NR413-SA 3G Mobile Router.



**Quick Setting**

-Main Menu- **3G**

Dial Code

-Logout- APN Service

**Wireless**

AP name(SSID)

Security mode

Algorithms Mode / Cipher WPA+WPA2(Auto) / TKIP+CCMP

Password

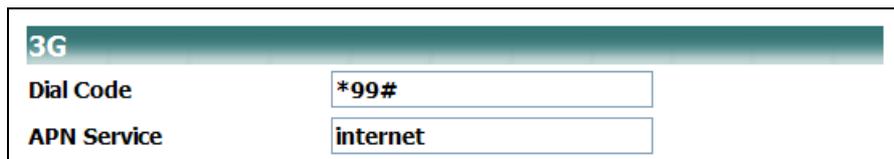
- ASCII : 8-63 characters

**Note: You must reboot the router in order for changes to take effect.**

### 3G

Dial code, APN Service

- Enter the *Dial Code* for your 3G network
- Enter the *APN service name*



**3G**

Dial Code

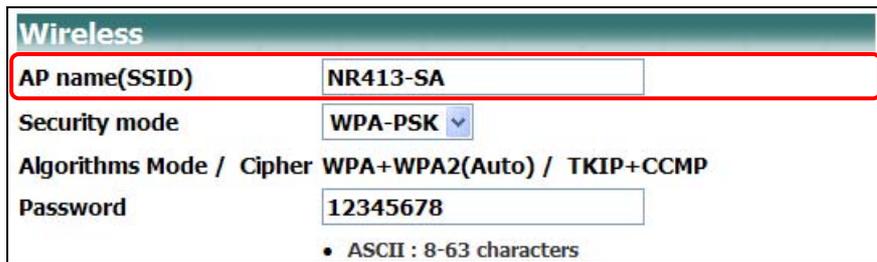
APN Service

### NOTICE

*The dial code and APN service name should be given you to by your network provider. If you are not certain, contact your network provider to find out the dial code & APN Service for your region, plus any additional information you may require.*

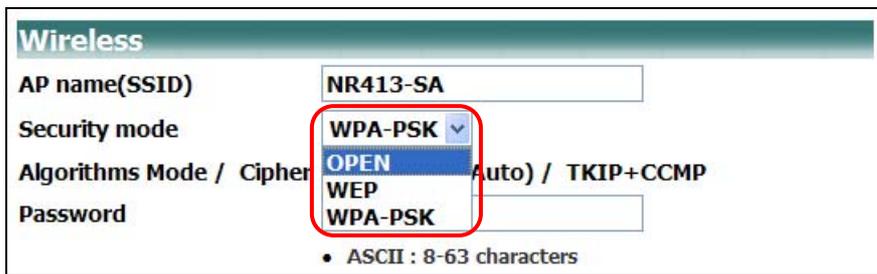
## Wireless

- **SSID** - This is the wireless network's name. Change it to something unique so that users can easily identify your network.



The screenshot shows the 'Wireless' configuration page. The 'AP name(SSID)' field is highlighted with a red box and contains the text 'NR413-SA'. Below it, the 'Security mode' is set to 'WPA-PSK'. The 'Algorithms Mode / Cipher' is set to 'WPA+WPA2(Auto) / TKIP+CCMP'. The 'Password' field contains '12345678'. A note below the password field states '• ASCII : 8-63 characters'.

- **Security** - The drop-down menu on the right will give you **Security mode** options. Select which type of the security feature you would like to enable on your wireless network (**OPEN**, **WEP**, or **WPA-PSK**)

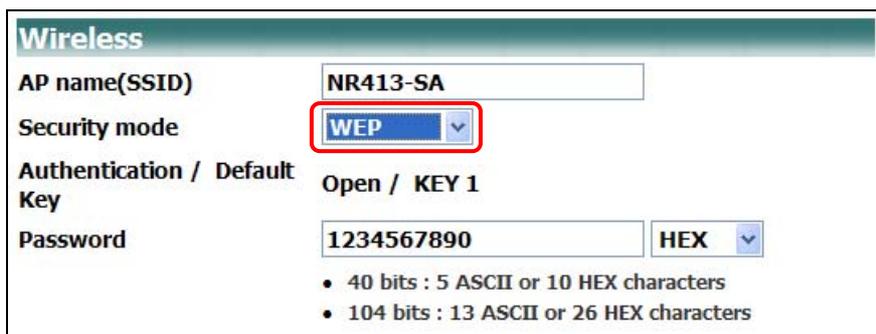


The screenshot shows the 'Wireless' configuration page. The 'Security mode' dropdown menu is open, showing three options: 'WPA-PSK', 'OPEN', and 'WPA-PSK'. The 'AP name(SSID)' field contains 'NR413-SA'. The 'Algorithms Mode / Cipher' is set to 'WPA+WPA2(Auto) / TKIP+CCMP'. The 'Password' field is empty. A note below the password field states '• ASCII : 8-63 characters'.

### NOTICE

You may leave your network **'OPEN'** to allow access for all users without a network security key. However, this is not recommended.

- Using **'WEP'**  
Selecting **'WEP'** and the configuration window will expand and the following will become visible.



The screenshot shows the 'Wireless' configuration page. The 'Security mode' dropdown menu is set to 'WEP'. The 'Authentication / Default Key' is set to 'Open / KEY 1'. The 'Password' field contains '1234567890'. A dropdown menu next to the password field is set to 'HEX'. Two notes below the password field state: '• 40 bits : 5 ASCII or 10 HEX characters' and '• 104 bits : 13 ASCII or 26 HEX characters'.

**Authentication / Default Key** – This allows you to see the current settings for this configuration (See **Advanced Wireless Settings**).

**Password & HEX / ASCII** – Select either **HEX** or **ASCII** encryption from the drop-down menu on the right and then set the new password for your wireless network

- Using **'WPA-PSK'**  
Selecting **'WPA-PSK'** and the configuration window will expand and the following will become visible.

Wireless	
AP name(SSID)	NR413-SA
Security mode	WPA-PSK
Algorithms Mode / Cipher WPA+WPA2(Auto) / TKIP+CCMP	
Password	12345678
• ASCII : 8-63 characters	

**Mode / Cypher** – This allows you to see the current settings for this configuration. (See **Advanced Wireless Settings**).

**Password** – Set the new password for your wireless network (ASCII: between 8-63 alphanumeric characters).

## NOTICE

**Each time you configure the settings, you must reboot the router in order for the changes to take effect.**

1. Click on the 'Save' button to save your settings.
2. Click on the 'reboot' button on the left side of the window.

Wireless	
AP name(SSID)	NR413-SA
Security mode	WPA-PSK
Algorithms Mode / Cipher WPA+WPA2(Auto) / TKIP+CCMP	
Password	12345678
• ASCII : 8-63 characters	

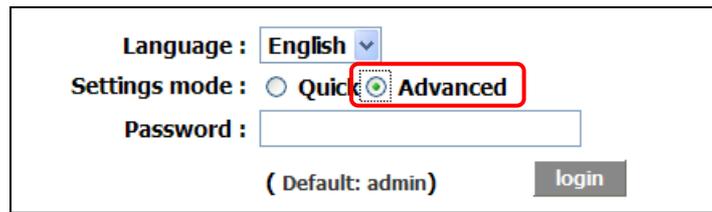
Reboot
① → Save
Cancel
②

**Note: You must reboot the router in order for changes to take effect.**

## Accessing the Advanced Configuration Settings

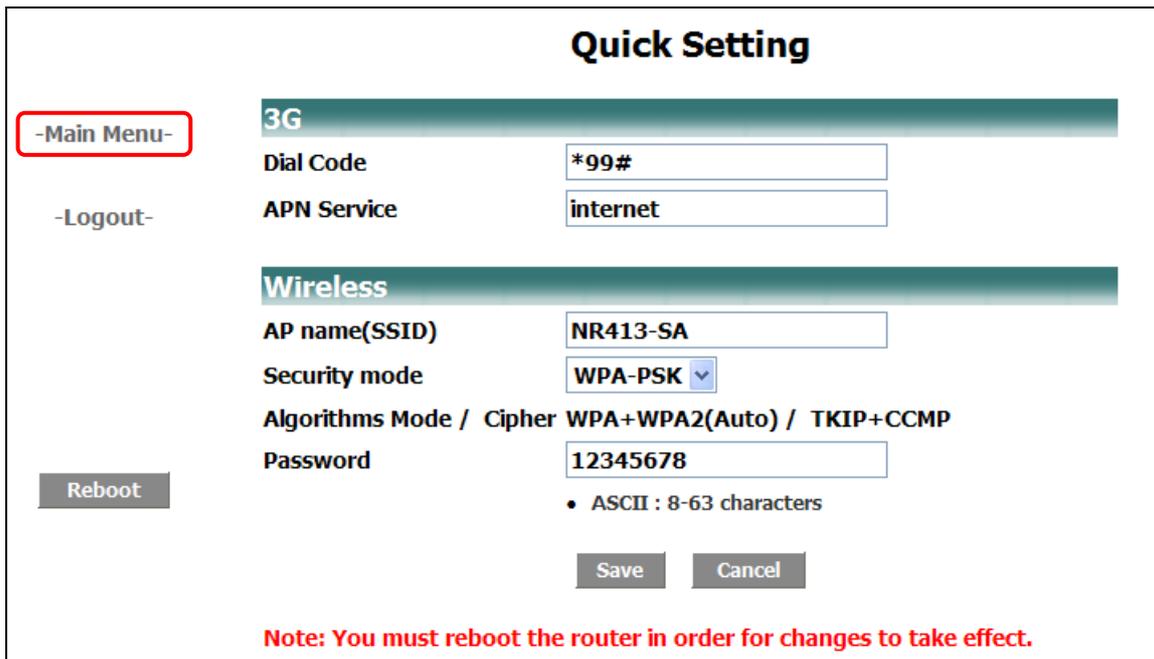
You can access the 'Advanced Settings' from the router's Main Homepage, either by:

- ① Selecting the 'Advanced' button on the browser's login page.



The screenshot shows the router's login page. At the top, there is a 'Language' dropdown menu set to 'English'. Below it, the 'Settings mode' section has two radio buttons: 'Quick' and 'Advanced'. The 'Advanced' radio button is selected and highlighted with a red box. Below the radio buttons is a 'Password' input field with the text '( Default: admin)' underneath it. To the right of the password field is a 'login' button.

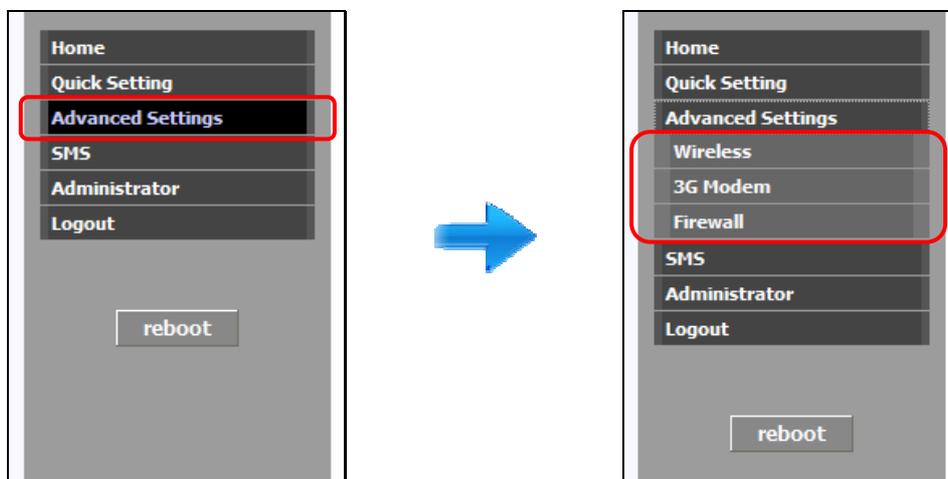
- ② By clicking the 'Main Menu' link from the 'Quick Settings' page.



The screenshot shows the 'Quick Setting' page. On the left side, there is a navigation menu with a red box around the '-Main Menu-' link. The main content area is divided into two sections: '3G' and 'Wireless'. Under '3G', there are fields for 'Dial Code' (value: \*99#) and 'APN Service' (value: internet). Under 'Wireless', there are fields for 'AP name(SSID)' (value: NR413-SA), 'Security mode' (value: WPA-PSK), 'Algorithms Mode / Cipher' (value: WPA+WPA2(Auto) / TKIP+CCMP), and 'Password' (value: 12345678). Below the password field, there is a note: '• ASCII : 8-63 characters'. At the bottom of the page, there are 'Save' and 'Cancel' buttons. A red note at the bottom of the page states: 'Note: You must reboot the router in order for changes to take effect.'

Once in the Main Homepage, click on the 'Advanced Settings' tab to expand further configuration options for:

- ① Wireless
- ② 3G Modem
- ③ Firewall



## Advanced Wireless Settings

Click on 'Advanced Settings' > 'Wireless'.

The screenshot displays the 'Wireless Settings' interface for a D-Link NR413SA device. The left sidebar contains navigation links, with 'Wireless' selected. The main area is titled 'Wireless Settings' and includes the following configuration sections:

- Wireless Network:** SSID (NR413-SA), Channel (Auto), Network Mode (11 b/g mixed), and MAC Address (00:12:CF:D0:13:22).
- Wireless Security Policy:** Security Mode (OPEN).
- DHCP Settings:** IP Address (192.168.6.1), Subnet Mask (255.255.255.0), and DNS (168.95.1.1, 168.95.192.1).
- Power Saving Settings:** Power Saving Time (10 min).

Buttons for 'Save' and 'Cancel' are located at the bottom of the settings area.

The page on the right will now give you options to configure the following settings for:

- ① Wireless Network (SSID & Wireless Channels).
- ② Wireless Security Policy (WEP, WPA, WPA-PSK, or open)
- ③ DHCP Setting
- ④ Power Saving Setting

## ① Wireless Network

- **SSID** - This is the wireless network's name. Change it to something unique for other users to easily identify your network.

SSID	NR413-SA
------	----------

- **Wireless Channel** - Click on the drop-down menu to choose wireless channels. In North America and Europe, the available channels are 1-13. In Japan, they are 1-14.

### Tips

*Try changing channels to get around interferences.*

*Preferred channels to use are 1, 6 and 11 since they are considered non-overlapping channels.*

Channel	Auto
Network Mode	Auto mixed
MAC Address	1 :00:13:22

- **Network Mode** - Three wireless operating modes are supported on the router .Click on the drop-down menu to choose 11 b/g mixed, 11 b-only, or 11 g-only.

Network Mode	11 b/g mixed
MAC Address	11 b/g mixed 22
	11 b-only
	11 g-only

- **MAC Address** - This is the router's unique ID that can be identified by other devices.

MAC Address	00:12:CF:D0:13:22
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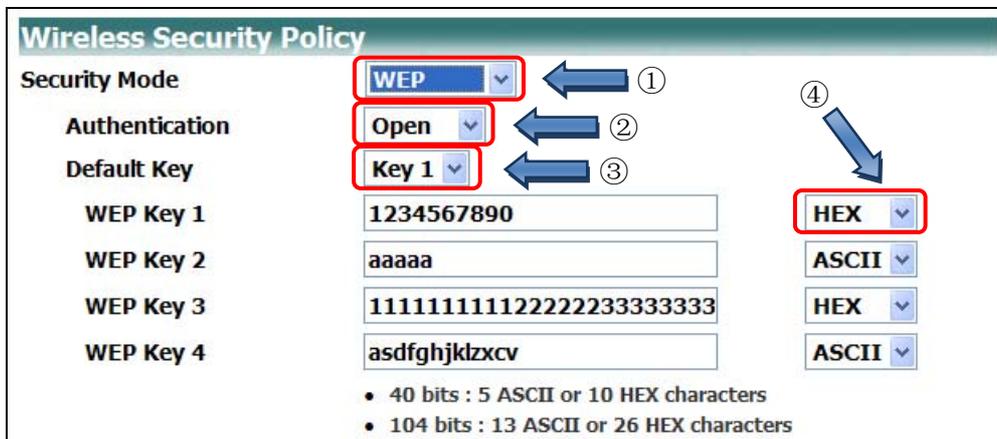
## ② Wireless Security Policy

- **Security Mode** - Click on the drop-down menu to choose which type of Wireless Security you would like to enable (WEP, WPA-PSK).



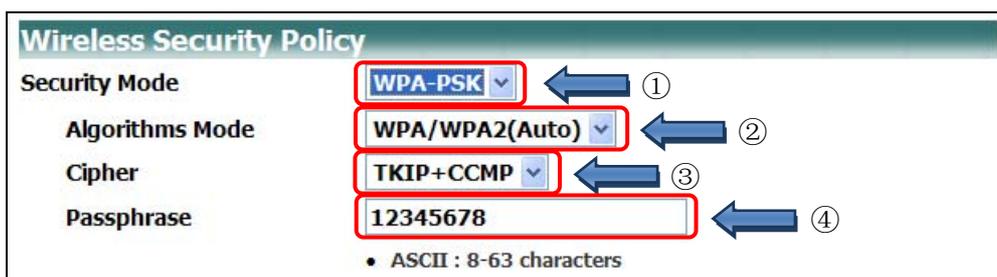
- **Wired Equivalent Privacy (WEP)** - This is a 64-bit key with 10 hexadecimal digits or a 128-bit WEP key with 26 hexadecimal digits. This encryption will prevent other users from connecting to a wireless network using your own WEP key. It will also protect your wireless transmissions/communications from being accessed or received by other users.

To enable WEP, click on the drop-down menu and select 'WEP'. Further security setting options for will become available to you.



- ① Select 'WEP' from drop-down menu
- ② Choose either 'Open' or 'Shared' key authentication from the 'Authentication' drop-down menu.
- ③ Select which 'WEP Key (1-4)' you would like to enable.
- ④ Select 'HEX' or 'ASCII' encryption from the drop-down menu on the right and then type your WEP Key into the box provided.

- **Wi-Fi Protected Access Pre Shared Key (WPA-PSK)** - This is a special mode of WPA that provides stronger encryption protection than WEP encryption for users without an enterprise authentication server. Click on the drop-down menu to choose which type of Wireless Security you would like to enable (WEP, WPA-PSK, WPA2-PSK).



- ① Select **'WPA-PSK'** from the drop-down menu
- ② Choose which network security **'Algorithms Mode'** you would like to enable from the drop-down menu

The screenshot shows the 'Wireless Security Policy' configuration page. The 'Security Mode' dropdown is set to 'WPA-PSK'. The 'Algorithms Mode' dropdown is open, showing options: 'WPA/WPA2(Auto)', 'WPA Only', and 'WPA2 Only'. The 'WPA/WPA2(Auto)' option is highlighted with a blue background and is circled in red. The 'Cipher' and 'Passphrase' fields are currently empty.

- ③ Select which **'Cipher'** to enable from the drop-down menu.

The screenshot shows the 'Wireless Security Policy' configuration page. The 'Security Mode' dropdown is 'WPA-PSK' and the 'Algorithms Mode' dropdown is 'WPA/WPA2(Auto)'. The 'Cipher' dropdown is open, showing options: 'TKIP+CCMP', 'TKIP', and 'CCMP'. The 'TKIP+CCMP' option is highlighted with a blue background and is circled in red. The 'Passphrase' field is empty.

- ④ Enter your **'Passphrase'** (between 8-63 characters).

This will serve as your network key whenever you connect to your wireless network.

The screenshot shows the 'Wireless Security Policy' configuration page. The 'Security Mode' dropdown is 'WPA-PSK', 'Algorithms Mode' is 'WPA/WPA2(Auto)', and 'Cipher' is 'TKIP+CCMP'. The 'Passphrase' field contains the text '12345678' and is circled in red. Below the field, there is a note: '• ASCII : 8-63 characters'.

## DHCP Settings

This is a method for automatically configuring TCP/IP network settings on computers, printers, and other network devices.

DHCP Settings					
IP Address	192	. 168	. 6	. 1	①
Subnet Mask	255. 255. 255. 0				
DNS	168	. 95	. 1	. 1	②
	168	. 95	. 192	. 1	

- ① Configure you IP address in this field.
- ② Configure the DNS address in this field

### NOTICE

*The Subnet mask will configure automatically according to the Class rules set by the IP Address Range.*

#### *IP Address Range*

*Class A: 10.0.0.1 – 10.255.255.254*

*Class B: 172.16.0.1 – 172.31.255.254*

*Class C: 192.168.0.1 – 192.168.255.254*

#### *Subnet mask*

*Class A: 255.0.0.0*

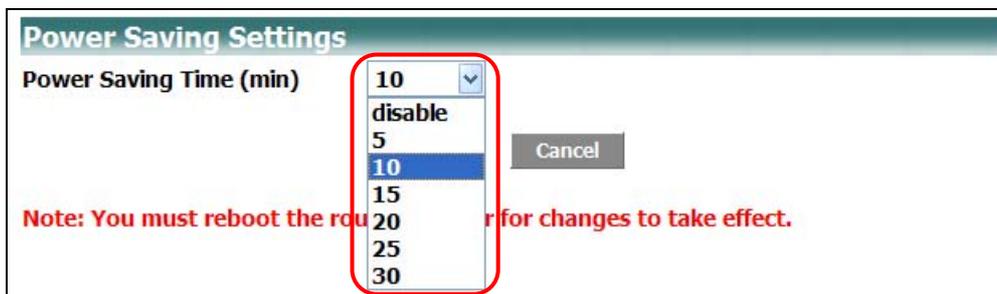
*Class B: 255.255.0.0*

*Class C: 255.255.255.0*

## Power Saving Settings

In order to save battery life, the router will enter 'Sleep Mode' if there is no data activity (upstream/downstream) over a given period of time.

User can enable/disable this setting, or configure the time period when the router to enters 'Sleep Mode'. (The default 'Sleep Mode' setting is set to 10mins.)



Select to disable Power Saving Time, or choose the time period in which the router enters 'Sleep Mode' between 5min-30mins (in 5min increments).

## Advanced 3G Settings

The screenshot shows the '3G Internet Settings' page. On the left is a sidebar menu with options: Home, Quick Setting, Advanced Settings, Wireless, 3G Modem (highlighted with a red box), Firewall, SMS, Administrator, and Logout. Below the menu is a 'reboot' button. The main content area is titled '3G Internet Settings' and contains a section for '3G main settings'. The settings are: Pin Code (checked 'Enable', field contains '0000', Default: 0000), Dial Code (field contains '\*99#'), APN Service (field contains 'internet'), 3G Username (field contains 'USERNAME', Default: UN), and 3G Password (field contains '.....', Default: PW). At the bottom of the settings are 'Save' and 'Cancel' buttons. A red note at the bottom states: 'Note: You must reboot the router in order for changes to take effect.'

The page on the right will now give you options to configure the following settings for:

- ① Pin Code Protect
- ② Dial Code
- ③ APN Service
- ④ 3G Username & Password

### • Pin Code' Protect

Click '**Enable**' to enter the Pin Code for your 3G network. This is optional, and only required if your service provider asks you to do so. If your PIN code is "0000" enter 0000.

### **WARNING!**

*If after 3 attempts you fail to enter the correct Pin Code, your SIM card will be locked. Please contact your ISP to obtain the correct Pin Code for your SIM card.*

### • Dial Code

Enter the Dial Code for your 3G network in this field. This is necessary to connect to your 3G network and should be given by your Internet Service Provider (ISP).

### • Access Point Name (APN) Service

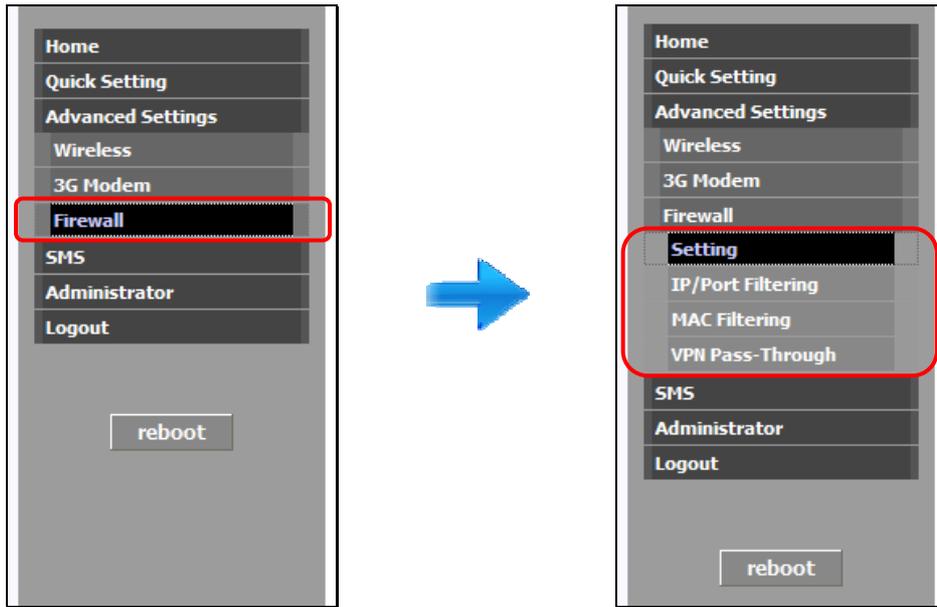
Enter the APN code assigned by your Internet Service Provider (ISP).

### • 3G Username & 3G Password

Enter your 3G Username and password here.

## Advanced Firewall Settings

Click on 'Advanced Settings' > 'Firewall'

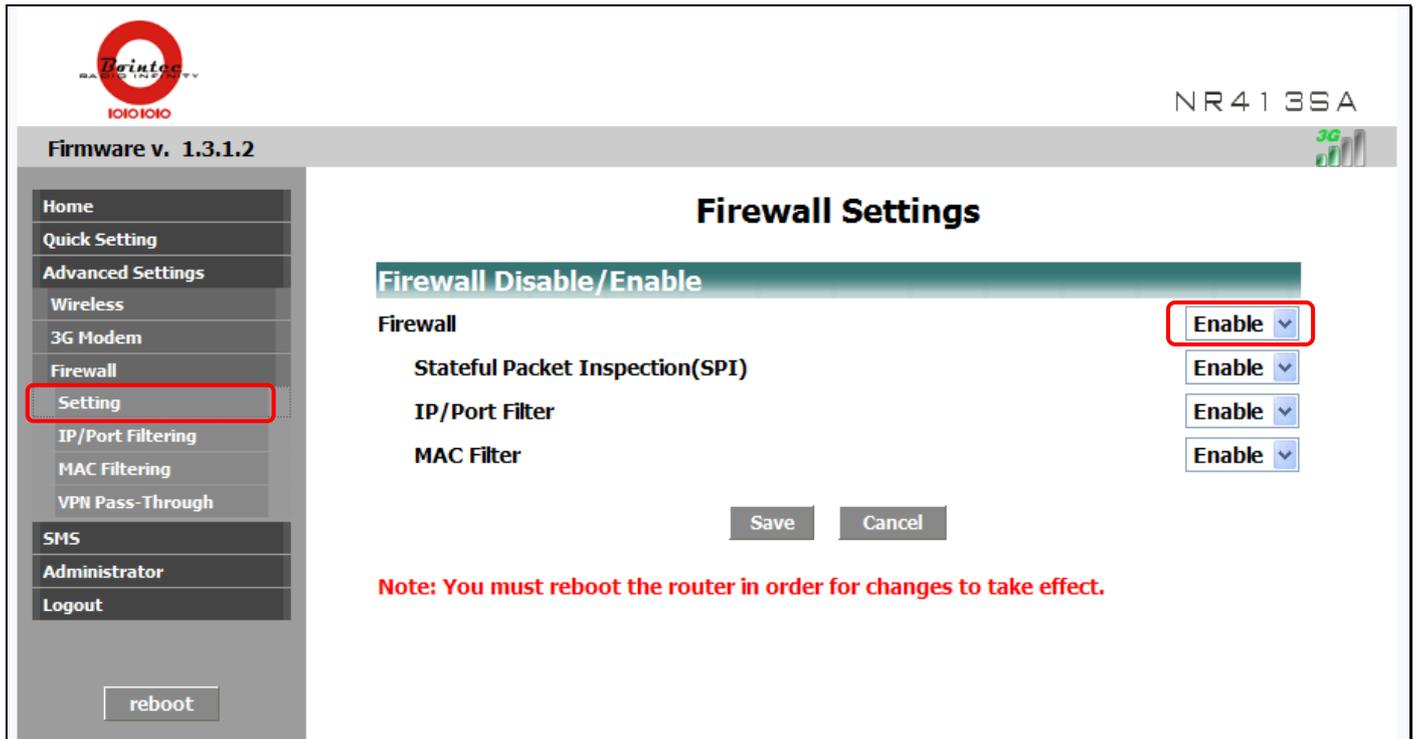


The menu on the left will expand to give you more configuration options for the following advanced Firewall settings:

- ① Firewall Enable/Disable Setting
- ② IP/Port Filtering
- ③ MAC Filtering
- ④ VPN Pass-through

## Firewall Setting

Click on 'Firewall' > 'Setting' under the 'Advanced Setting' drop-down menu.



The screenshot shows the D-Link router's web interface. At the top left is the D-Link logo and 'Firmware v. 1.3.1.2'. At the top right is 'NR413SA' and a 3G signal indicator. A left sidebar contains navigation options: Home, Quick Setting, Advanced Settings, Wireless, 3G Modem, Firewall, Setting (highlighted with a red box), IP/Port Filtering, MAC Filtering, VPN Pass-Through, SMS, Administrator, and Logout. A 'reboot' button is at the bottom of the sidebar. The main content area is titled 'Firewall Settings' and has a sub-header 'Firewall Disable/Enable'. Below this, there are four settings, each with a dropdown menu set to 'Enable':

- Firewall
- Stateful Packet Inspection (SPI)
- IP/Port Filter
- MAC Filter

At the bottom of the settings are 'Save' and 'Cancel' buttons. A red note at the bottom of the main area reads: 'Note: You must reboot the router in order for changes to take effect.'

The page on the right will now give you options to enable/disable the Firewall features for:

- ① Firewall Enable/Disable Setting
- ② Stateful Packet Inspection (SPI)
- ③ IP/Port Filter
- ④ MAC Filter



This is a close-up of the 'Firewall Disable/Enable' section from the screenshot above. It shows the four settings and their corresponding dropdown menus, all of which are set to 'Enable'. The dropdown menus are highlighted with a red box.

Click on the drop-down menu box to enable/disable the Firewall features.

## IP/Port Filtering

Click on 'Firewall' > 'IP/Port Filtering' under the 'Advanced Settings' drop-down menu.

**IP/Port Filterings**

**Filtering Settings**  
Setup firewall rules to protect your network from malicious activity on the Internet.

Remaining number of entries which can be added: **20**

**Adding New IP/Port Filter**

Local IP Address: 192.168.6. [ ] ~ [ ]  
Protocol: TCP [v]  
Drop. Port Range: [ ] - [ ] (1 - 65536)

[ Save ] [ Cancel ]

**Current IP/Port filtering rules in system**

No.	Local IP Address	Protocol	Drop. Port Range	Del.
- No data -				

[ Delete ] [ Cancel ]

**Note: You must reboot the router in order for changes to take effect.**

The page on the right will now give you options to determine which Protocols and Port rules you wish to enforce on IP Addresses you add to the router's filter system. The configuration options allow you to:

- Enter the Local IP Address
- Set Protocol (TCP/UDP, or Both)
- Determine the Port Ranges

Once you have determined the filter settings for the Local IP Address, click '^' to add the address to the IP filter list.

If you wish to delete an IP Address from the Filter list, simply tick the box next to the address and click the 'Delete' button at the bottom of the page.

**Current IP/Port filtering rules in system**

No.	Local IP Address	Protocol	Drop. Port Range	Del.
1	192.168.6.4 - 192.168.6.7	TCP	455 - 678	<input checked="" type="checkbox"/>
2	192.168.6.2	TCP	80	<input type="checkbox"/>

[ Delete ] [ Cancel ]

## MAC Filtering

Click on 'Firewall' > 'MAC Filtering' under the 'Advanced Settings' drop-down menu. The page on the right will open and allow you to add/delete MAC address settings.

**MAC Filterings**

**Filtering Settings**  
Setup MAC filtering to increase security over your Wi-Fi network. Selected MAC addresses will be blocked from your Wi-Fi network.

Remaining number of entries which can be added: **30**

**Adding New MAC Filter Settings**

**MAC Address**   
• Input format: XX:XX:XX:XX:XX:XX

**Current MAC Address filtering rules in system**

No.	Protocol	Del.
- No data -		

**Note: You must reboot the router in order for changes to take effect.**

MAC Filtering allows you to restrict access to your NR413-SA 3G Mobile Router to only those devices with a specific MAC address. The MAC address is a unique code specific to a particular piece of hardware or device.

- Enter the MAC address of the device you want to add. Then click 'Add'.

To delete a MAC address from the list, check the box next to the MAC address and then click on the 'Delete' button at the bottom of the page.

No.	Protocol	Del.
1	00:11:22:33:44:55	<input checked="" type="checkbox"/>
2	00:1E:A3:8C:92:BA	<input type="checkbox"/>

### Tips

On a Windows machine, you can view the MAC address of any device currently connected to the NR413-SA 3G Mobile Router by running **ipconfig/all** from the command prompt window (cmd).

## VPN Pass-through

Click on 'Firewall' > 'VPN Pass-through' under the 'Advanced Setting' drop-down menu. The page on the right will open and allow you configure VPN Pass-through settings.

The screenshot shows the D-Link web interface for configuring VPN Pass-Through. The top left features the D-Link logo and the text 'Firmware v. 1.3.1.2'. The top right shows the model number 'NR413SA' and a signal strength indicator. The left sidebar contains a navigation menu with 'VPN Pass-Through' highlighted. The main content area is titled 'VPN Pass-Through' and includes a section 'VPN Pass-Through Disable/Enable'. This section contains two settings: 'VPN PPTP Pass-Through' and 'VPN IPsec Pass-Through', both set to 'Disable'. There are 'Save' and 'Cancel' buttons. A red note states: 'Note: You must reboot the router in order for changes to take effect.' The sidebar also has a 'reboot' button at the bottom.

Use the drop-down menu on the right to enable/disable:

- VPN PPTP Pass-Through
- VPN IPsec Pass-Through

Click on the 'Save' button to save the new settings

## SMS

Use this setting to send text messages (Short Message Service)

Click on '**SMS**' from the Main Menu

**SMS**

**Send Message**

**Phone Num.**

- Fill out this field with your phone number, using half-width numerics, separated with ',' e.g. 0988123456,0933000000.
- Enter International cell phone numbers without '+' symbol, e.g. 886988123456,886933000000.
- The maximum number of messages that can sent each time is limited to 20.

**Msg. Content**

- Each message is limited to a maximum of 160 alphanumeric characters (70 characters for Unicode).

Send SMS    New SMS

Store SMS **1** text messages on your SIM card

**Receive Message**

No.	From	Message Content	Date	Del.
-----	------	-----------------	------	------

- ① Enter the phone number(s) you wish to send the message to in the '**Phone Num.**' box.  
For international cell phone numbers, type in the international dialling codes without the '+' symbol.  
If you wish to send to multiple phone numbers, use the comma key ',' to separate each phone number. e.g. 0988123456, 0988123457.
- ② Type your message in the '**Msg. Content**' box.

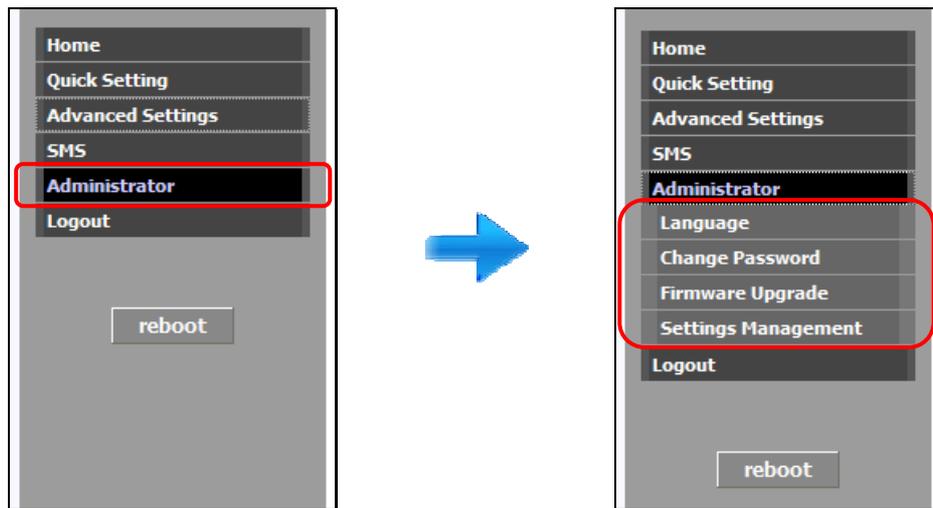
To start a new SMS message click on '**New SMS**' button.

### NOTICE

*The SMS feature may not be supported or available to some 3G dongles.*

## Administrator Options

Click on '**Administrator**' from the main Advanced menu on the left. The menu will expand to give you more configuration options:



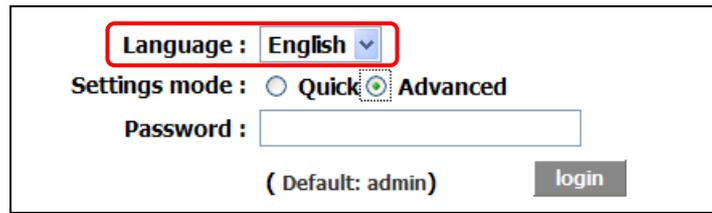
Under 'Administrator' options you will be able to:

- ① Change Language
- ② Change Password
- ③ Apply Firmware Upgrade
- ④ Settings Management

## Change Language

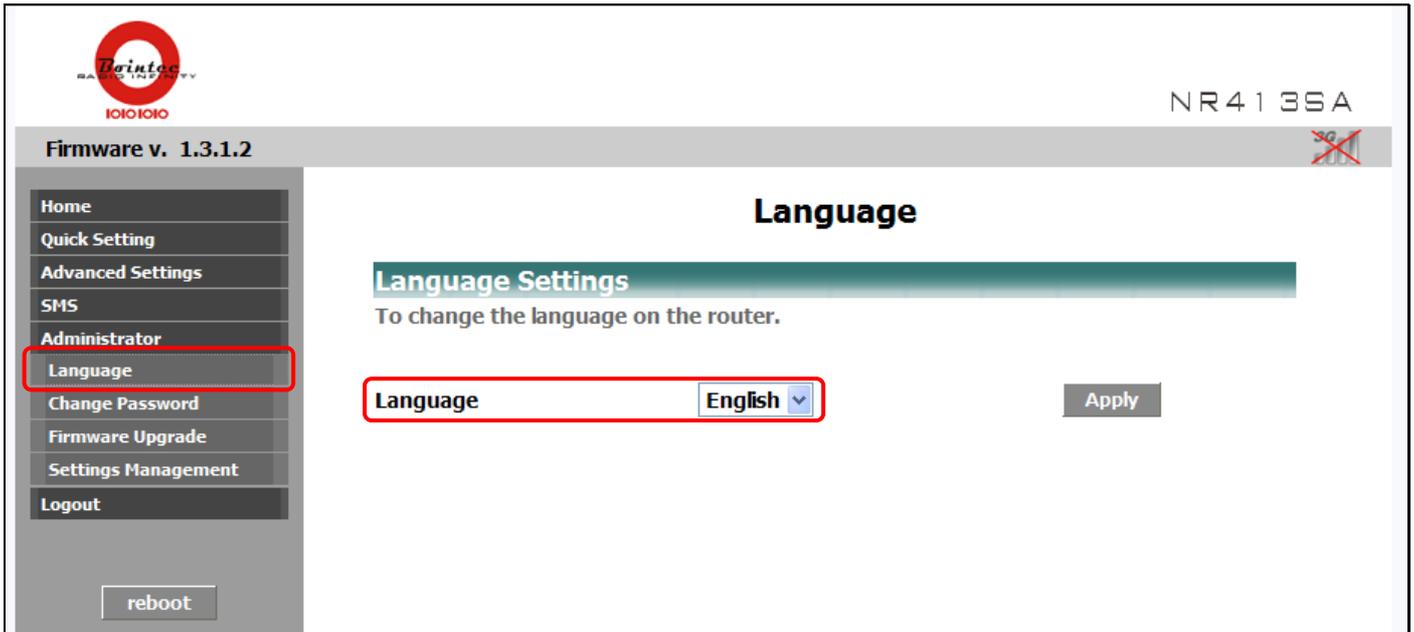
There are 2 ways to change the WEB page language for the NR413-SA 3G Mobile Router.

- 1 Use the drop-down menu on the browser's login page and select the language you want.



A screenshot of the login page for the NR413-SA 3G Mobile Router. The page contains a 'Language' dropdown menu set to 'English', a 'Settings mode' section with radio buttons for 'Quick' and 'Advanced' (where 'Advanced' is selected), a 'Password' input field, and a 'login' button. The text '( Default: admin)' is displayed below the password field. A red box highlights the 'Language : English' dropdown menu.

- 2 By clicking 'Administrator' > 'Language' and select the language you want.

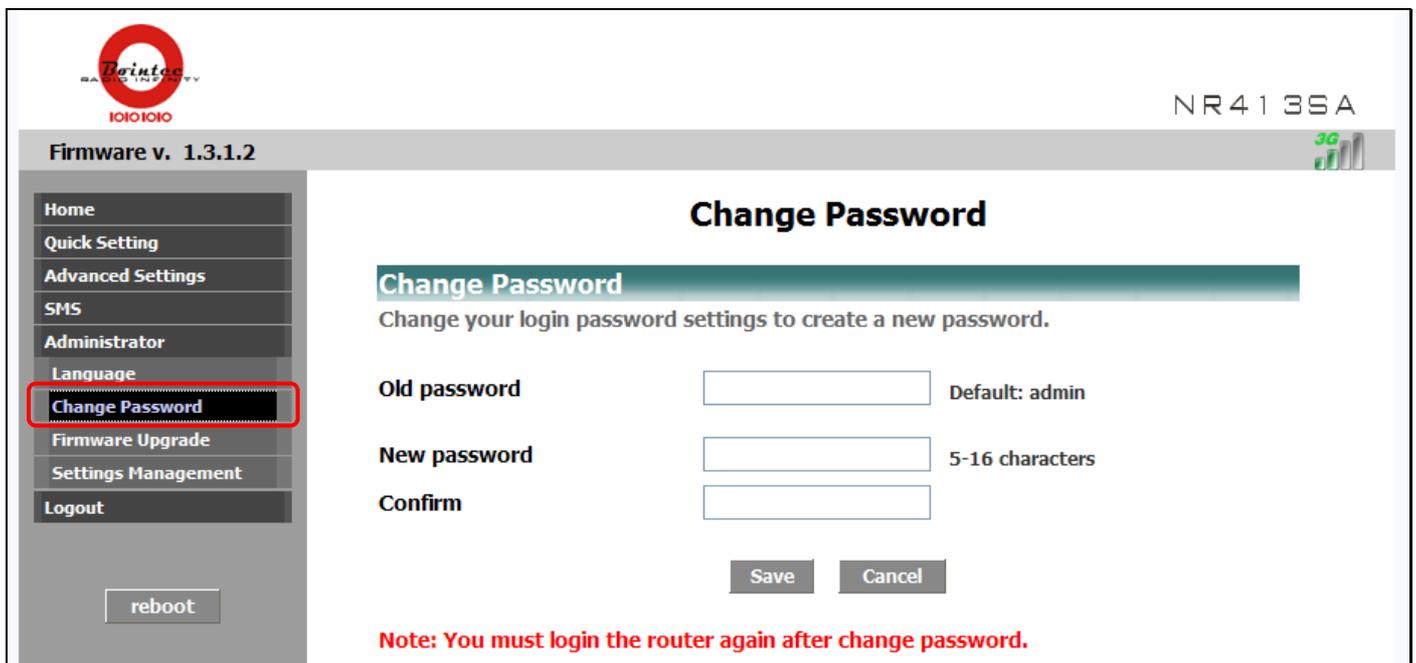


A screenshot of the router's administrator interface. The top left shows the 'Dlink' logo and 'Firmware v. 1.3.1.2'. The top right shows 'NR413SA' with a red 'X' icon. A left sidebar menu includes 'Home', 'Quick Setting', 'Advanced Settings', 'SMS', 'Administrator', 'Language', 'Change Password', 'Firmware Upgrade', 'Settings Management', and 'Logout'. The 'Language' option is highlighted with a red box. The main content area is titled 'Language' and 'Language Settings', with the instruction 'To change the language on the router.' Below this, there is a 'Language' dropdown menu set to 'English' and an 'Apply' button. A red box highlights the 'Language' dropdown menu.

## Change Password

Use this setting to change the Administrator Password for the NR413-SA 3G Mobile Router. This will become the new password you use every time you login to the router.

Click on 'Administrator' > 'Change Password'.



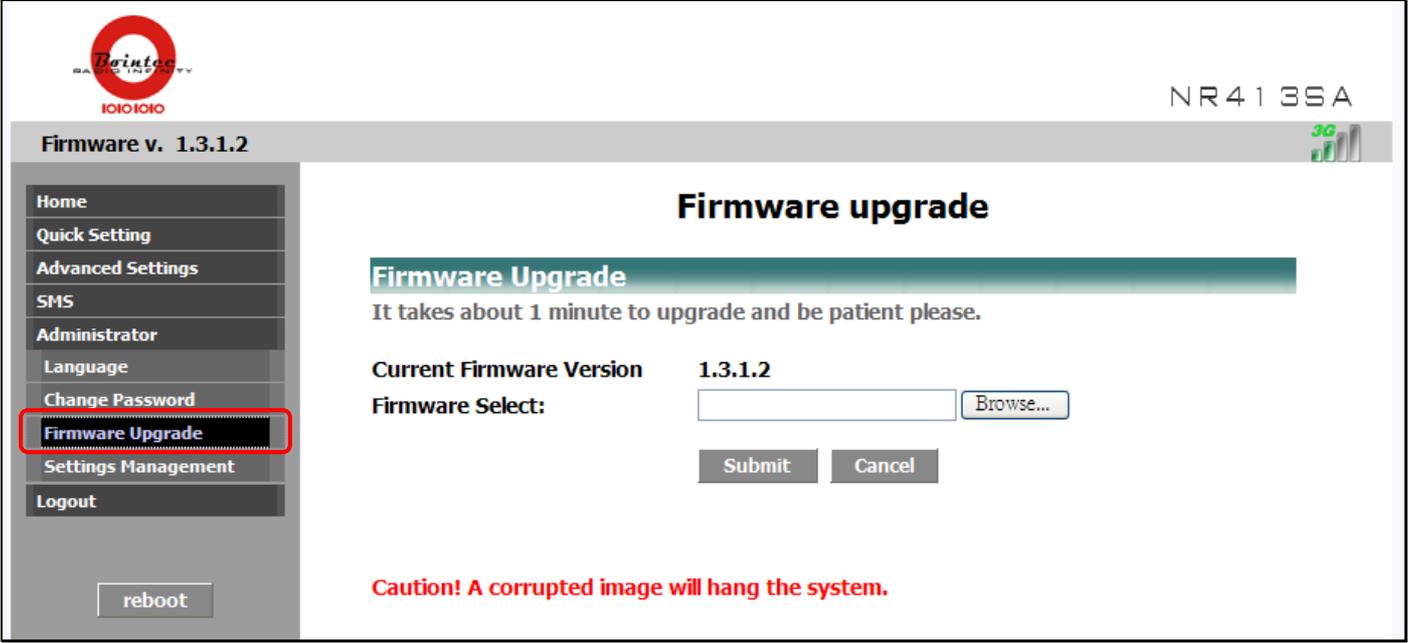
The screenshot shows the web interface of a Dainos NR413-SA 3G Mobile Router. The top left features the Dainos logo and the text 'Firmware v. 1.3.1.2'. The top right displays 'NR413SA' and a 3G signal strength indicator. A sidebar menu on the left contains the following items: Home, Quick Setting, Advanced Settings, SMS, Administrator, Language, Change Password (highlighted with a red box), Firmware Upgrade, Settings Management, and Logout. Below the menu is a 'reboot' button. The main content area is titled 'Change Password' and contains the following text: 'Change Password', 'Change your login password settings to create a new password.', 'Old password' (input field) with 'Default: admin' to its right, 'New password' (input field) with '5-16 characters' to its right, and 'Confirm' (input field). At the bottom of the form are 'Save' and 'Cancel' buttons. A red note at the bottom of the page reads: 'Note: You must login the router again after change password.'

1. Enter your old password (default is 'admin')
2. Enter your new password
3. Confirm your new password
4. Click the 'Save' button to save your changes.

## Firmware Upgrade

Use this setting to change the upgrade the firmware version for the NR413-SA 3G Mobile Router.

Click on 'Administrator' > 'Firmware Upgrade'.



The screenshot shows the web interface of a D-Link NR413-SA 3G Mobile Router. The top left corner features the D-Link logo and the text "D-Link". The top right corner displays "NR413SA" and a 3G signal strength indicator. Below the logo, the current firmware version is shown as "Firmware v. 1.3.1.2". A left-hand navigation menu includes options: Home, Quick Setting, Advanced Settings, SMS, Administrator, Language, Change Password, Firmware Upgrade (highlighted with a red box), Settings Management, and Logout. A "reboot" button is located at the bottom of the menu. The main content area is titled "Firmware upgrade" and contains a sub-header "Firmware Upgrade" with a green gradient background. Below this, a message states: "It takes about 1 minute to upgrade and be patient please." The current firmware version is listed as "1.3.1.2". Under "Firmware Select:", there is an empty text input field followed by a "Browse..." button. At the bottom of the form are "Submit" and "Cancel" buttons. A red warning message at the bottom of the page reads: "Caution! A corrupted image will hang the system."

Click on 'Choose File' to browse for the firmware file image on your computer then click on the 'Submit' button to apply the firmware upgrade.

### WARNING!

***Do not apply the firmware upgrade when the battery is low!***

*The router may shutdown during the update process and cause a corrupt system.*

*Make sure to fully charge the router or connect to the power adapter to ensure a successful firmware upgrade.*

## Settings Management

Use this setting to reset the router to its factory/default settings.

Click on 'Administrator' > 'Settings Management'.

The screenshot displays the web interface of a Zte NR413SA router. At the top left is the Zte logo and the text 'Firmware v. 1.3.1.2'. At the top right is the model number 'NR413SA' and a 3G signal strength indicator. A sidebar menu on the left contains the following items: Home, Quick Setting, Advanced Settings, SMS, Administrator, Language, Change Password, Firmware Upgrade, **Settings Management** (highlighted with a red border), and Logout. Below the sidebar is a 'reboot' button. The main content area is titled 'Settings Management' and features a 'Load Factory Defaults' section. This section includes the text: 'To reset the router to the Factory settings, press the 'Load Default' button.' Below this text are two buttons: 'Reset to Default' and 'Load Default'. A warning message in red text states: 'Warning: All changes will be lost and the router will reset to original Factory settings.'

To reset back to default settings, click on the 'Load Default' button.

All saved settings will be lost and the router will reset back to its original factory settings

### **WARNING!**

***Do not turn off the router while it resets.***