



DIGISOLTM



DG-HR1070MSE

DIGISOL 4G Mi-Fi Portable Broadband Router

User Manual

V2.0

2017-01-18

As our products undergo continuous development the specifications are subject to change without prior notice

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Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacturer must therefore be allowed at all times to ensure the safe use of the equipment.

Index

1. Product Introduction	4
1-1 Introduction	4
1-2 Safety Instructions	4
1-3 Package Contents	5
1-4 System Requirements	5
2. Get Familiar with your new wireless 4G Mi Fi broadband router	6
2-1 Hardware Overview	6
2-2 LED Status	7
2-3 Power Management	8
3. Using the Device	8
3-1 Connect to Your Network	8
3-2 Configuring the Router Settings	10
3-3 Getting Started	12
3-5 WAN	17
3-6 LAN	20
3-7 SMS	21
3-8 Wi Fi	23
3-9 Security	28
3-10 System	30

1. Product Introduction

1-1 Introduction

The DIGISOL™ DG-HR1070MSE HSPA+ Mobile Router lets you share a fast mobile Internet connection with multiple PCs and mobile devices wherever you go. It offers 4G/3G LTE/ HSPA+ compatibility for fast downlink and uplink data rates, so you get the high-speed upload and download speeds even when you're on the go. Set up a personal mobile network anywhere, anytime allowing you and those around you to access the Internet, and share files.

Other features of this router include:

- High-Speed Mobile Internet with 4G Connectivity

The DG-HR1070MSE LTE Mobile Router gives you high-speed access to the Internet wherever you are and lets you share it on the go. The built-in 4G antenna provides a reliable connection to your 4G service provider.

1-2 Safety Instructions

Like any electronic device, the DG-HR1070MSE must be handled with care to ensure reliable operation.

DIGISOL Mi-Fi Wireless Router recommends the following guidelines:

- Protects the device from liquids, dust and excessive temperatures.
- **DO NOT** apply adhesive labels to the device; they might cause the device to potentially overheat or alter the performance of the antenna.
- Use only batteries, chargers and accessories that your device has been provided with. The failure to use approved batteries, chargers and accessories may increase the risk that your device will overheat, catch fire, or explode, resulting in serious injury or property damage, and may void the product warranty.
- Store the device in a safe place when not in use.

1-3 Package Contents

The Mi-Fi Router DG-HR1070MSE package includes:

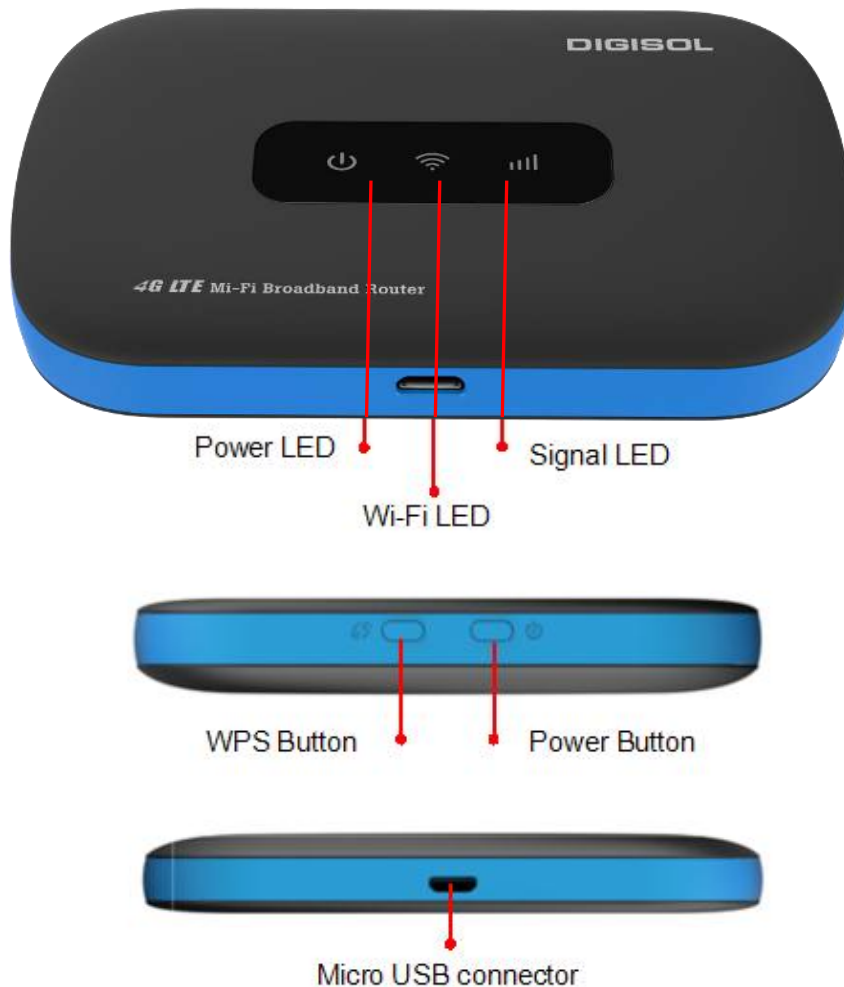
- DG-HR1070MSE Mi-Fi Router
- Lithium2000mAh rechargeable battery
- Power Adapter (5V, 1A)
- Micro USB Cable
- Quick Installation Guide

1-4 System Requirements

- A compatible (U) SIM card with mobile data service.
- A computer with Windows®, Macintosh®, or Linux-based operating systems.
- Internet Explorer 8, Firefox 12.0, Chrome 20.0, or Safari 4.0.

2. Get Familiar with your new wireless 4G Mi Fi broadband router

2-1 Hardware Overview



- + WPS Button—Press this button to add new wireless devices quickly and easily using Wi-Fi Protected Setup (WPS).
Press and hold for more than 5 seconds to turn the wireless function ON/OFF.
- + Power Button —Press and hold this button over 5 seconds to power on/off the device.
- + Micro USB Connector — Connect either to the USB cable or power adapter for charging.
- + Reset Button is inside the Back cover.

1. If you forget the changes done, you can restore factory default settings and reconfigure the settings.
2. If you forget Administrator password or Wireless network key, you can press the Reset key to restore factory default settings. Press and hold for 10 seconds

2-2 LED Status

Indicator	Color	Working Status	
Power LED	Amber	Charging	Blink: Turn on-0.5s Turn off-0.5s
	Blue	Battery High (100%-60%) or Charge Completed	
	Green	Battery Middle (60%-10%)	
	Red	Blink: Battery too low nearly shutdown (10%)	
	Purple	Blink: New SMS	
Signal LED	Blue	Solid: Register to LTE(not connected) Blink: Connected to LTE network	
	Green	Solid: Register to 3G(not connected) Blink: Connected to 3G network	
	Purple	Solid: Register to 2G(not connected) Blink: Connected to 2G network	
	Red	Blink: No Service/Device Error	
Wi-Fi LED	Blue	Solid: No Client Blink: Client is active	
		Blink: WPS is active	
			Blink: Turn on-0.2s Turn off-0.1s

2-3 Power Management

Your device will work from its battery or when plugged into a power source.

- **Battery**— Charge the battery by plugging in the wall charger.
- **Wall charger**— You can use the device when the charger is plugged into a wall socket. The battery charges while it is plugged in. Before using DG-HR1070MSE, read the battery safety information in the further section of this guide.

3. Using the Device

3-1 Connect to Your Network

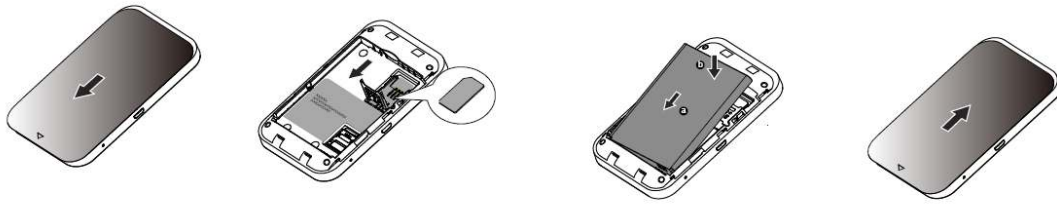
1. Ensure that your DG-HR1070MSE LTE Mobile Router is powered OFF.
2. Remove the back cover and take out the battery. Slide your (U) SIM card into the slot provided, ensuring that the alignment is the same as indicated by the logo next to the slot. The gold contacts on the card should be facing downwards.

Caution: Always unplug and turn off the router before installing or removing the SIM card. Never insert or remove the SIM card while the router is in use.

Insert SIM Card and Battery

Tips: Always switch the device OFF and disconnect the charger before removing the battery.

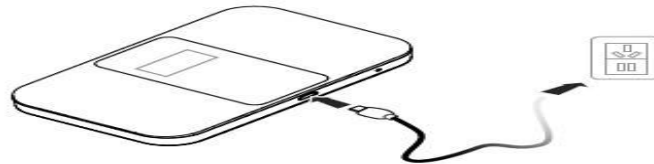
1. Remove the back cover and the battery.
2. Insert the SIM card. Ensure that the contact area on the card is facing down and that the beveled corner on the card is facing the beveled corner on the holder.
3. Align the battery contacts with the battery compartment connectors, and insert the battery. Lastly replace the back cover.



Charge the battery

Your battery has been partially charged at the factory. If the device indicates a low charge, do the following:

1. Connect the charger to a wall outlet.
2. Connect the USB charger plug to your device's USB port.
3. When the device indicates a full charge, disconnect the charger from the device, then from the wall outlet.



Tips: Don't plug USB cable or charger during powering on the device; otherwise it may cause the device to work abnormally. If it occurs at your end, please restart your device.

Micro SD card slot

On this slot you can insert compatible micro SD card up to 64GB.

Wireless Installation Considerations

The DG-HR1070MSE can be accessed using a wireless connection from anywhere within the operating range of its wireless network. Keep in mind that the quantity, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through may adversely affect wireless signals. Ranges vary depending on the type of material and background RF (radio frequency) noise in your home or office. The key to maximizing the wireless range is to follow these basic guidelines:

1. Minimize the number of walls and ceilings between the router and other network devices. Each wall or ceiling can reduce your adapter's range from 3 to 90 feet (1 to 30 meters).

2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (0.5 meters) appears to be almost 3 feet (1 meter) thick at a 45-degree angle. At a 2-degree angle it appears over 42 feet (14 meters) thick. Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.
3. Try to position access points, wireless routers and computers so that the signal passes through open doorways and drywall. Material such as glass, metal, brick, insulation, concrete and water can affect wireless performance. Large objects such as fish tanks, mirrors, file cabinets, metal doors and aluminum studs may also have a negative effect on range.
4. If you are using a 2.4 GHz cordless phone, make sure that the 2.4 GHz phone base is as far away from your wireless device as possible. The base transmits a signal even if the phone is not in use. In some cases, cordless phones, X-10 wireless devices and electronic equipment such as ceiling fans, fluorescent lights and home security systems may dramatically degrade wireless connectivity.

3-2 Configuring the Router Settings

Initial Connection to the Router

When configuring the router for the first time, you will need to establish a direct connection with the router in order to access the web-based configuration utility. This can be done using the included USB cable, or by connecting wirelessly to the DG-HR1070MSE. Once you have configured your router, you will be able to connect using the Wi-Fi settings that you have specified in the configuration process. Ensure that the router is powered ON and has sufficient battery power before commencing the setup process.

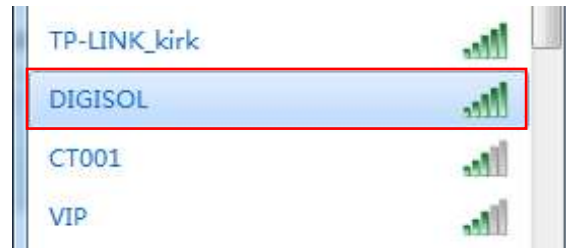
Connect via USB

To connect the router via USB, plug the provided micro USB cable into the micro USB port at the bottom of the router, and plug the other end into an available USB port on your computer. Your router is now ready for configuration.

Connect via Wi-Fi

Note: The following example uses Windows 7's built-in wireless connection utility. If you are using a different operating system, or a third party connection utility, the process may be different. Please refer to the documentation that came with your operating system or wireless client for further information on how to connect to a wireless network.

To connect to the router using Wi-Fi, open your operating system's wireless networking utility and scan for available networks. By default, the network name (SSID) of the DG-HR1070MSE is “**DIGISOL**”



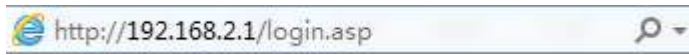
You will then be prompted to enter the network security key for your router. The unique security key for your router will be displayed on a sticker in the router's battery bay. By default the security key is “**12345678**”. Enter the security key in the box provided and click OK. Your wireless connection utility should confirm that the connection is successful, and you can move to the next step to continue with configuration process.



3-3 Getting Started

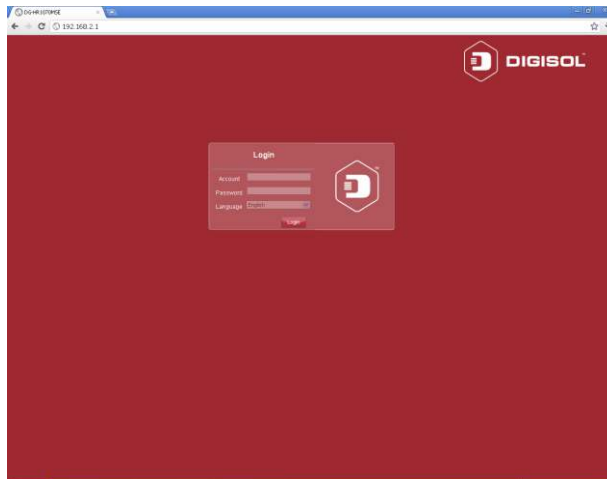
Web-based Configuration

To access the configuration, open a web browser (such as Internet Explorer) and enter the IP address of the router, which is **192.168.2.1** by default.



Router Configuration

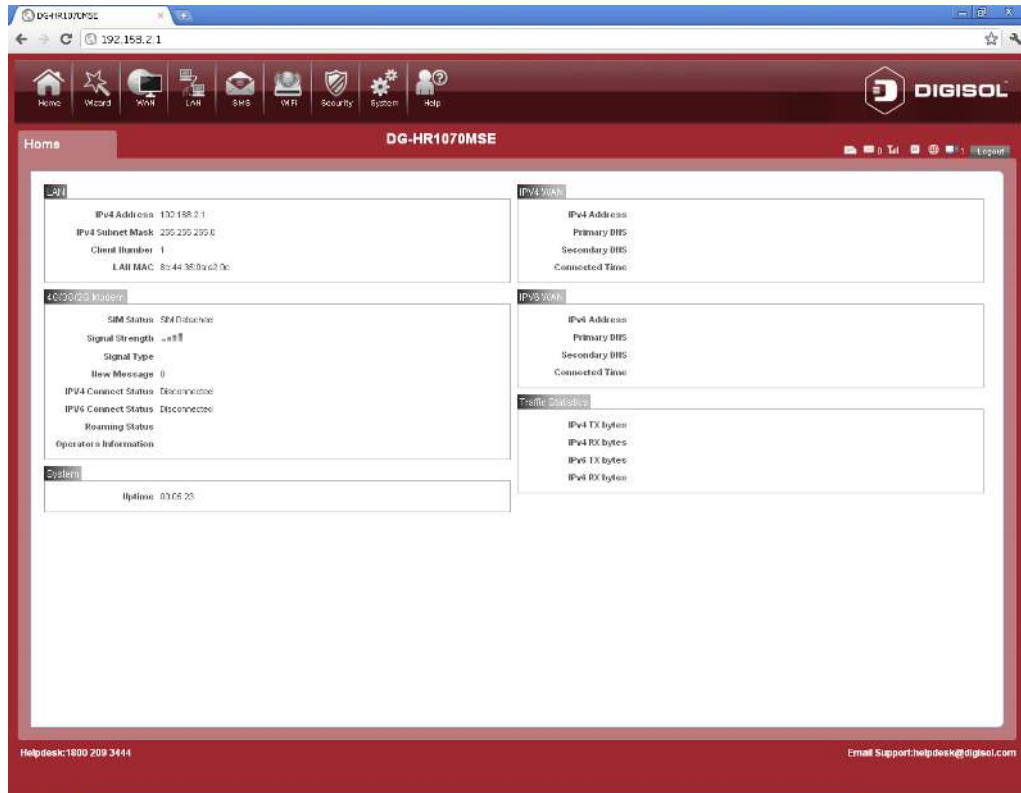
Once you have reached the configuration utility through your web browser, you will need to log in. Enter **admin** as the Account name, and then enter the password. By default, the password is **1234**.



Click **Login** to continue.

Note: Only one user will be allowed to login to the router at a time.

The screen shown below will appear.



Throughout the interface you will find a menu bar at the top of the page which includes tabs for easy navigation, and a summary bar in the upper right corner with a quick view of essential information.



Home: The Home tab will bring you back to the home page, where a summary of the system information is shown.

Wizard: Click on this tab to start the setup wizard, which will guide you through the basic setup process.

WAN: This tab gives you Internet setup and settings options.

Network: The Network tab allows you to configure the network settings for your Local Area Network (LAN).

SMS: From the SMS you can view and send SMS messages via your mobile network.

Wi-Fi: The Wi-Fi allows you to configure your Wi-Fi network, as well as add new devices using WPS.

Security: The Security allows you to configure firewall and security settings to protect your network from WAN-side intrusions.

System: From this tab, you can manage the administrative configuration of your router, such as time and date, firmware upgrade, language and system logs.

Device Status

A summary of the device's current status will be displayed on the information panel at the top of the right-hand side of the navigation bar. The following is a description of the indications, from left to right.



SIM: This icon shows whether or not a compatible SIM card has been inserted into the device.

SMS: The number to the right of this icon indicates the number of unread messages in the SMS inbox.

Signal Strength: Indicates the current strength of the mobile network signal being received.

Operator Name: The name of the mobile network operator to which the device is currently connected.

Internet: Indicates that there is an Internet connection present.

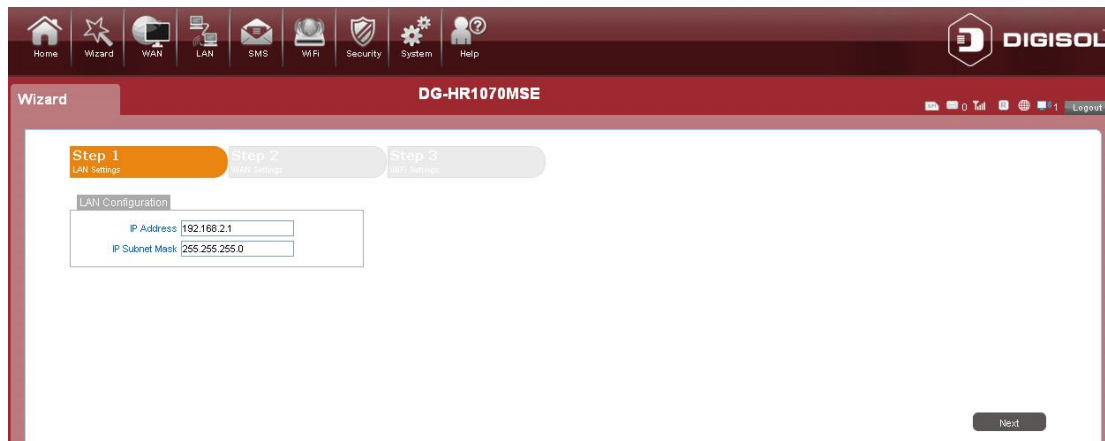
Wi-Fi Network: Indicates that the router's Wi-Fi network is currently active. The number to the right of this icon indicates the number of wireless clients currently connected to the router's Wi-Fi network.

Logout: Click this button to log out of the configuration interface.

3-4 Wizard

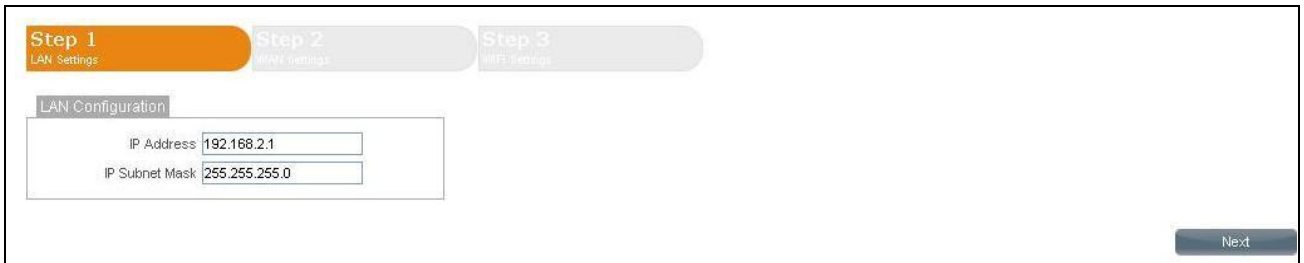
The Wizard page will guide you through the steps required to configure the basic settings of your router such as the IP address, network name (SSID) and password. Click on the Wizard button on the navigation bar to commence the wizard.

Please go to Wizard menu by clicking on '**Wizard**' button.



Please follow the steps and complete the router configuration.

Step 1: LAN Connection Setting:



The screenshot shows the 'Step 1: LAN Connection Setting' form. It features three steps: Step 1 (LAN Settings), Step 2 (WAN Settings), and Step 3 (WIFI Settings). The 'Step 1' section is active, showing a 'LAN Configuration' form with two input fields: 'IP Address' (192.168.2.1) and 'IP Subnet Mask' (255.255.255.0). A 'Next' button is located at the bottom right of the form.

Here is the description of every setup item:

Parameter	Description
IP Address	If you wish to change the router's IP address, enter the new address here. If you change the IP address from the default, you will need to enter the new address in your Internet browser's address bar in order to access the web-based configuration utility.
IP Subnet Mask	If you wish to change the router's subnet mask, enter it here.

After the settings are done click on “**Next**”.

Step 2: 2G/3G/4G Configuration:



Step 1 LAN Settings | **Step 2 WAN Settings** | Step 3 WiFi Settings

Please consult with service provider for these settings. If not sure, leave them with default value.

Wan Configuration

Profile	Type	Name	APN	User	Password	Protocol
PID-1	LTE	Vodafone Maharashtra	www			IPv4v6
PID-2	WCDMA	Vodafone Maharashtra	www			IPv4v6
PID-3	WCDMA	Vodafone Maharashtra	www			IPv4v6
PID-4	WCDMA	Vodafone Maharashtra	www			IPv4v6

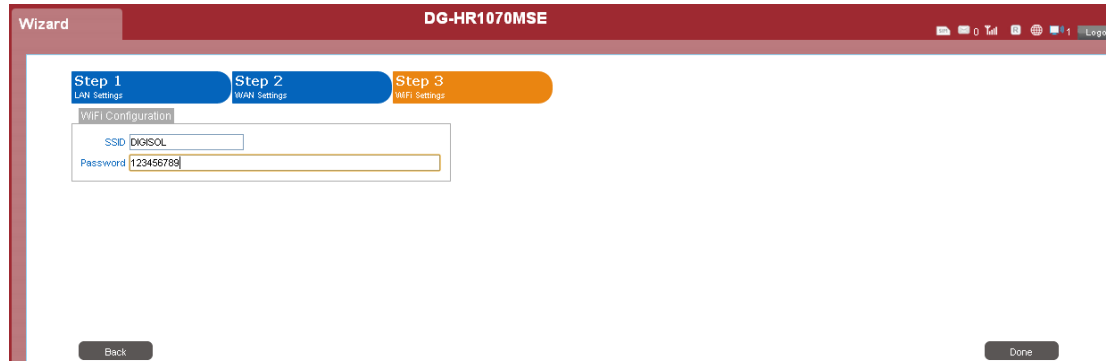
Total Num : 4

☐ ID
 ☐ GSM/WCDMA APN
 ☐ LTE APN

If you wish to change the 2G/3G or 4G service provider or connection type, click on a profile in the list to highlight it, and click “**Set**” to set that profile as the default.

Click “**Next**” to continue, or “**Back**” to return to the previous step.

Step 3: Wi-Fi Configuration



Wizard | DG-HR1070MSE

Step 1 LAN Settings | Step 2 WAN Settings | **Step 3 WiFi Settings**

WiFi Configuration

SSID:

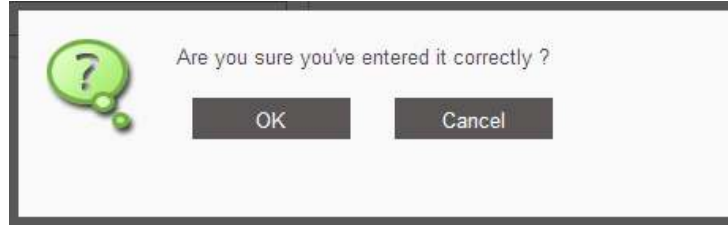
Password:

Here is the description of every setup item:

Parameter	Description
SSID	If you wish to change your wireless network name (SSID), enter a new name in the field provided. If you change the SSID, you may need to re-connect to the router using the new SSID before you can access your network or the configuration utility.
Password Setting (Pre-shared key)	Choose a password for your wireless security. Clients will need this password in order to access your network wirelessly. If you are currently connected to the router using Wi-Fi, you will need to reconnect to the router using your new password once the

wizard has been completed.

Click **“Done”** to complete the wizard, or click Back to return to the previous page. After you have clicked Done, a confirmation window will appear. Click **“OK”** to save the configuration.



3-5 WAN

This page allows you to configure the Internet settings for your mobile network connection. Use the tabs in the left-hand column to navigate through the different settings categories.

1) Connection Operation



Here is the description of every setup item:

Parameter	Description
Preferred Cellular Network	<p>Select your preferred cellular network connection mode:</p> <p>Auto Mode - The router will automatically connect to your preferred mobile network and remain connected while the device is powered on.</p> <p>Manual Mode - You must manually connect to the preferred mobile network.</p>

Roaming Mode	<p>Select whether you would like to Enable or Disable mobile network roaming from the drop-down menu.</p> <p>Caution: Roaming on networks other than your own may incur additional usage charges.</p>
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2) APN Setting

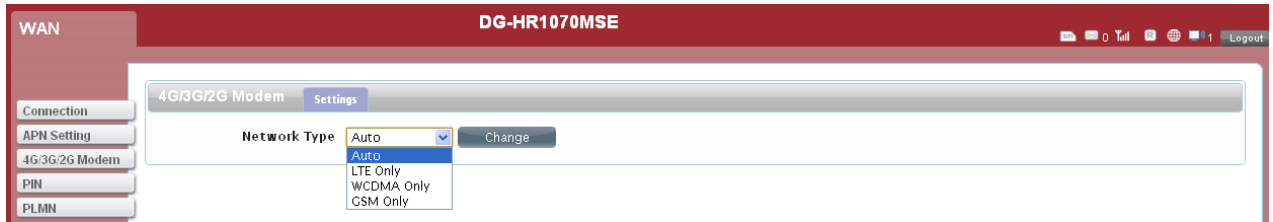


Here is the description of every setup item:

Parameter	Description
List	Shows list of operators.
ID	Enter the configuration ID. Eg. "PID-1"
Name	Displays the Operator Name.
APN	APN(Access Point Name) provided by your ISP.
User	Enter the user Name provided by your ISP. These fields are case-sensitive.
Password	Enter the password provided by your ISP. These fields are case-sensitive.
PDP type	Select Packet Data Protocol type.
Auth type	Some ISP's specifically need authentication type, please confirm it with your ISP or keep it PAP/CHAP.

3) 4G/3G/2G Modem

This section displays information about your 4G/3G or 2G modem connection.



Settings: Select your preferred modem type from the drop-down menu:

Here is the description of every setup item:

Parameter	Description
Network Type	<p>Auto - The modem will automatically select the modem type depending on the network it is connected to.</p> <p>LTE only- Only 4G Network connection.</p> <p>WCDMA only- Only 3G network connection.</p> <p>GSM only-Only 2G network connection.</p>

4) PIN



This section allows you to turn SIM lock on or off for the SIM card which is currently inserted into the router.

PIN Code: Enter the PIN code for the SIM card. Click Enable to turn on SIM lock, or click Disable to turn off SIM lock.

5) PLMN



This page allows you to view available Public Land Mobile Networks (PLMN). This page can also be used to select a preferred network when you are roaming outside your home network.

Mode: Select Automatic to allow the router to automatically connect to the first available network when roaming. Select Manual to choose your preferred roaming network from the list below.

If you have selected Manual mode, click on the preferred network to select it, and then click the Update button to select that network as the preferred network. Click Query to refresh the list of available networks.

Note: You will need to manually disconnect the current mobile data service before selecting a network using PLMN.

3-6 LAN

This page allows you to check the current status of your Local Area Network (LAN) and make changes to LAN Settings.

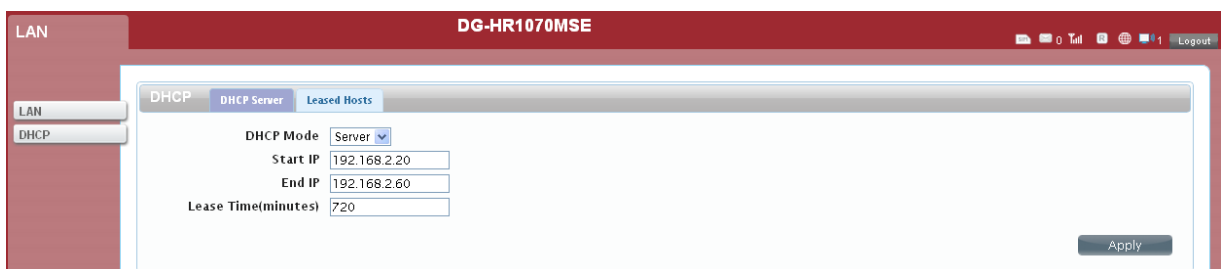
1) LAN



IP Address: Enter the IPv4 address for your Wi-Fi network. If you change this address, you will need to enter the new address in your web browser's address bar in order to access the web-based configuration utility.

IP Subnet Mask: Enter the IPv4 subnet mask for your Wi-Fi network.

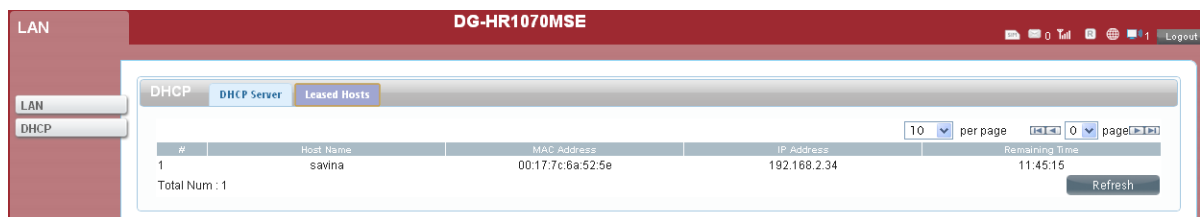
2) DHCP DHCP Server



Here is the description of every setup item:

Parameter	Description
DHCP Mode	Select the desired DHCP mode from the drop down menu: None - Turns off DHCP functionality. Server - The router will act as a DHCP server and assign IP addresses to the connected devices.
Start IP	Enter the starting address for the DHCP pool.
End IP	Enter the ending address for the DHCP pool.
Lease Time (minutes)	Enter the lease time (in minutes) for assigned IP addresses.

Leased hosts



#	Host Name	MAC Address	IP Address	Remaining Time
1	savina	00:17:c6:a:52:5e	192.168.2.34	11:45:15

Total Num : 1

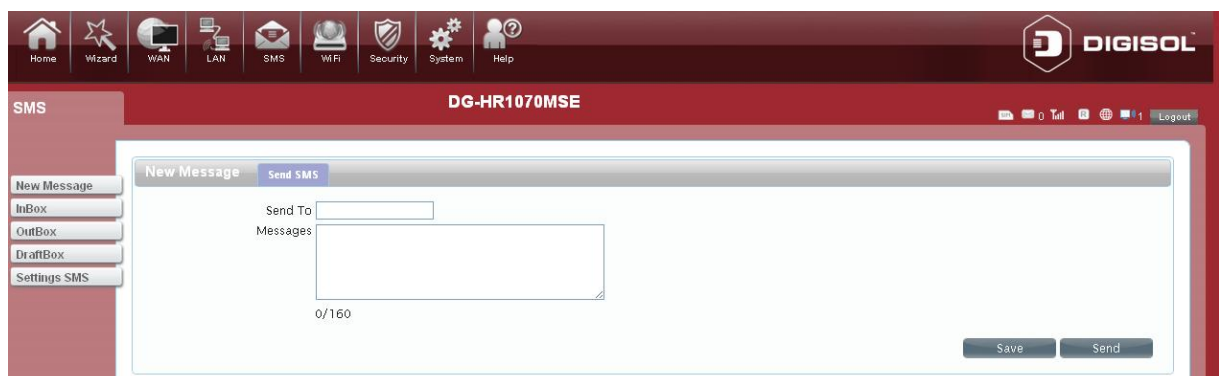
Refresh

This table shows the details of clients currently receiving a DHCP address from the DHCP server. Click “**Refresh**” to update the table.

3-7 SMS

DG-HR1070MSE can send or receive SMS text messages through the mobile network’s SMS function. In this section you can check the SIM card’s inbox and outbox, as well as send new messages.

New Message



New Message

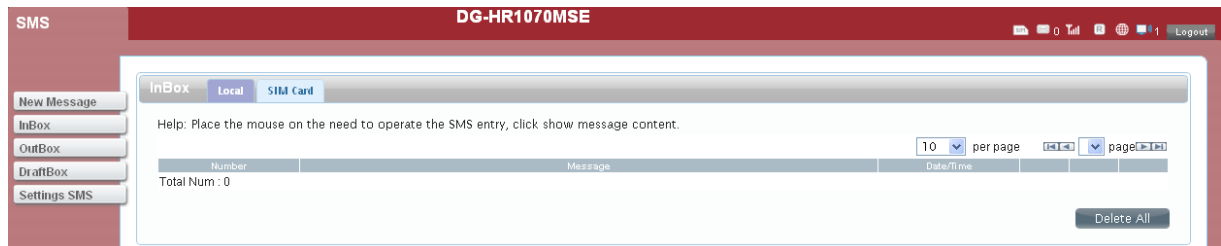
Send To:

Messages:

0/160

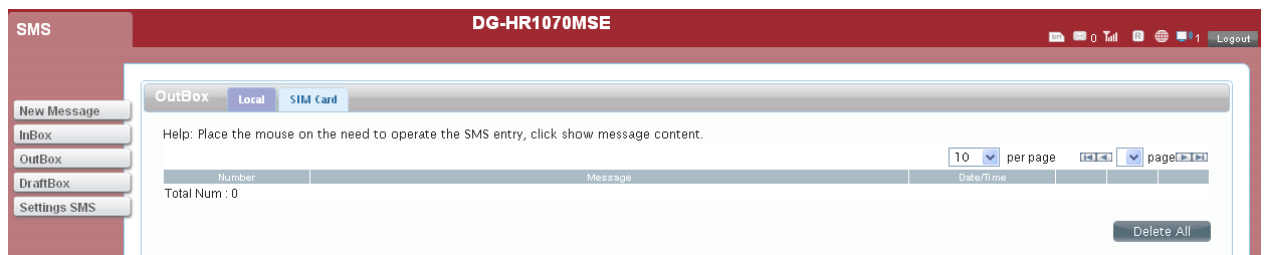
Save Send

Inbox: This tab shows a summary of SMS messages in the inbox.




The screenshot shows the 'InBox' tab selected in the 'SMS' section of the 'DG-HR1070MSE' application. The interface includes a sidebar with navigation options: 'New Message', 'InBox', 'OutBox', 'DraftBox', and 'Settings SMS'. The main content area displays a table with columns for 'Number', 'Message', and 'Date/Time'. A help message states: 'Help: Place the mouse on the need to operate the SMS entry, click show message content.' Below the table, it indicates 'Total Num : 0'. There are pagination controls showing '10 per page' and a 'Delete All' button.

Outbox: This tab shows a summary of messages in the outbox which are yet to be sent.



The screenshot shows the 'OutBox' tab selected in the 'SMS' section of the 'DG-HR1070MSE' application. The interface is similar to the inbox view, with a sidebar and a main content area. The main content area displays a table with columns for 'Number', 'Message', and 'Date/Time'. A help message states: 'Help: Place the mouse on the need to operate the SMS entry, click show message content.' Below the table, it indicates 'Total Num : 0'. There are pagination controls showing '10 per page' and a 'Delete All' button.

Setting SMS



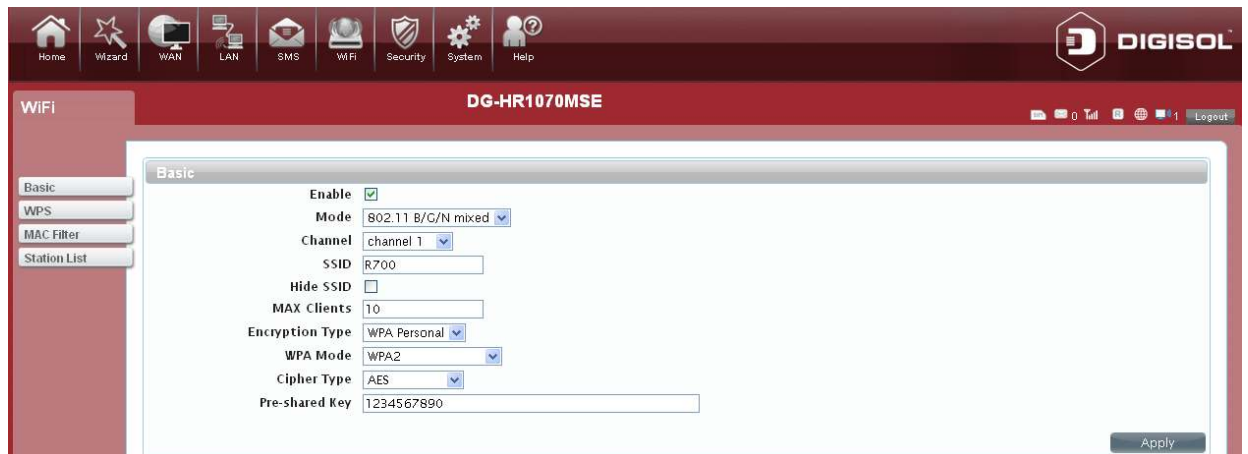
The screenshot shows the 'Settings SMS' page in the 'DG-HR1070MSE' application. The sidebar includes navigation options: 'New Message', 'InBox', 'OutBox', 'DraftBox', and 'Settings SMS'. The main content area has tabs for 'Settings SMS', 'Set SMSC', 'Set SMS storage location', and 'Set SMS receipt'. The 'Settings SMS' tab is active, showing a form with a label 'SMSC Address' and an input field. A 'Set up' button is located at the bottom right.

On this page user can set the SMSC address, SMS storage location, SMS receipt setting.

3-8 Wi Fi

The Wi-Fi pages allow you to check the current status of your Wi-Fi network and make changes to Wi-Fi settings.

1) Basic



This section allows you to configure your Wi-Fi network and specify the wireless security method to be used to secure your network.

Here is the description of every setup item:

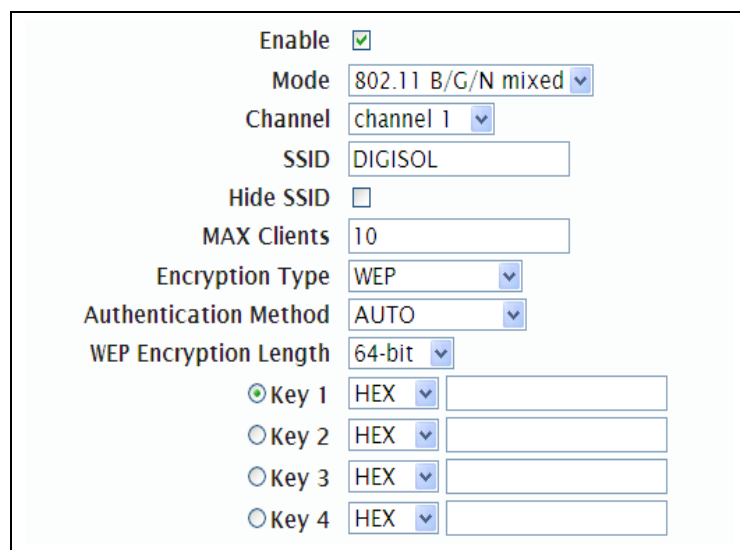
Parameter	Description
Enable	Check the box to enable Wi-Fi function.
Mode	Select the desired 802.11 wireless mode from the drop down menu. You should make your selection based on the standards supported by the wireless clients which will be connecting to your network.
Channel	To have the router automatically select the optimal wireless channel, select Auto from the drop-down menu. If you wish to select a particular channel, select it from the drop-down menu.
SSID	Enter the SSID (network name) to identify your wireless network.
Hide SSID	Check the box to hide the SSID of your network. If the SSID is hidden, wireless clients must manually enter it in order to connect to your network.
Max Clients	A maximum of three clients only can be connected to your wireless network.
Encryption Type	Select the wireless encryption method that you wish to use

	from the drop-down menu. If you do not wish to enable wireless security, select None from the drop-down menu. Click Apply to save the current settings.
WPA Mode	You can select WPA encryption type here.
Cipher type	AES is safer than TKIP, but not every wireless client supports it. Please refer to the specification of your wireless client to decide which encryption type you should use.
Pre-shared key	Please input pre-shared key according to the key format you selected here. For security reasons, don't use simple words.

Wireless security

It is recommended that you enable wireless security on your router in order to protect your wireless network from unauthorized access. You should select a wireless security protocol that is compatible with the wireless clients which will access your network.

WEP



The screenshot shows the WEP configuration page. The 'Enable' checkbox is checked. The 'Mode' is set to '802.11 B/G/N mixed'. The 'Channel' is set to 'channel 1'. The 'SSID' is 'DIGISOL'. The 'Hide SSID' checkbox is unchecked. The 'MAX Clients' is set to '10'. The 'Encryption Type' is set to 'WEP'. The 'Authentication Method' is set to 'AUTO'. The 'WEP Encryption Length' is set to '64-bit'. There are four key slots, each with a radio button and a dropdown menu set to 'HEX'. The first key slot is selected.

Wired Equivalent Privacy (WEP) is an older wireless security standard, which although providing more protection than no security at all, has some weaknesses which could make it vulnerable to intrusion. It is recommended that you only use WEP if your wireless clients do not support Wi-Fi Protected Access (WPA). WEP is not supported by the 802.11n standard, and therefore you will not be able to achieve 802.11n speeds if you are using WEP.

Here is the description of every setup item:

Parameter	Description
Encryption Type	Select WEP from the drop-down menu.
Authentication Method	Select the desired authentication method from the drop down menu: Auto - The router will automatically determine the authentication method based on the client that is connecting to it. Open System - Clients do not require authentication in order to associate with the router. The encryption key will be used to encrypt data packets sent over the network. Shared - The encryption key is used for authentication as well as to encrypt data packets.
WEP Encryption Length	Select the length of the encryption key to be used. 64-bit - A 64-bit key comprises a string of 10 hexadecimal characters, or 5 ASCII characters. 128-bit - A 128-bit key comprises a string of 26 hexadecimal characters, or 13 ASCII characters.
Key 1-4	You can predetermine up to 4 WEP keys. Select the WEP key you wish to use by clicking on the radio buttons next to the keys. Select whether you wish to use HEX or ASCII characters in your key using the drop-down menu. Enter the desired key in the field provided. Click Apply to save the current settings.

Wi-Fi Protected Access (WPA)

Enable	<input checked="" type="checkbox"/>
Mode	802.11 B/G/N mixed
Channel	channel 1
SSID	DIGISOL
Hide SSID	<input type="checkbox"/>
MAX Clients	10
Encryption Type	WPA Personal
WPA Mode	Auto(WPA or WPA2)
Cipher Type	AES
Pre-shared Key	12345678

Wi-Fi Protected Access (WPA) is a newer and more secure encryption protocol which makes significant improvements over WEP. There are two versions of WPA; the

original WPA, and the newer WPA2.

Here is the description of every setup item:

Parameter	Description
Encryption Type	<p>Select WPA Personal from the drop-down menu.</p> <p>WPA Mode: Select the desired authentication method from the drop-down menu:</p> <p>Auto (WPA or WPA2) - The router will automatically determine the version of WPA to be used based on the client that is connecting to it.</p> <p>WPA - Clients will only be able to associate with the router using the WPA standard.</p> <p>WPA2 - Clients will only be able to associate with the router using the WPA2 standard. Clients that do not support WPA2 will not be able to associate with the router.</p>
Cipher Type	<p>Select the desired cipher type from the drop-down menu:</p> <p>TKIP - This cipher is used by the WPA standard.</p> <p>AES - A newer cipher used by the WPA2 standard. Use of this cipher type is required in order to achieve 802.11 speeds.</p>
Pre-Shared Key	<p>The pre-shared key is the password which clients will require in order to connect to your network. Enter a password between 8 and 63 characters in length.</p>

Click “**Apply**” to save the current settings

2) WPS

Wi-Fi Protected Setup (WPS) enables you to quickly and securely add compatible devices to your wireless network.



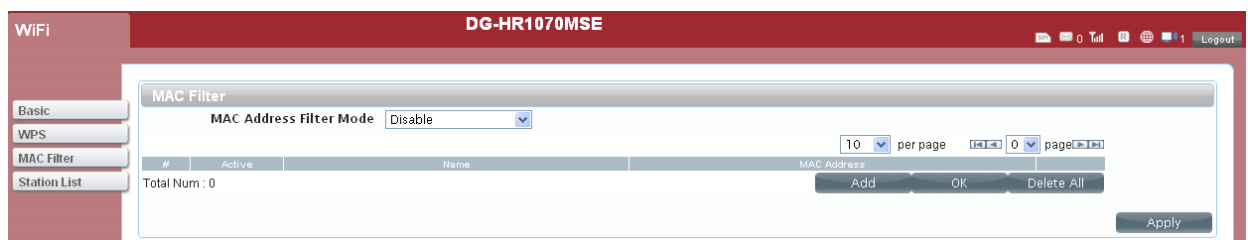
Here is the description of every setup item:

Parameter	Description
Enable	Check the box to enable the Wi-Fi Protected Setup feature.
Configure State	Shows the current status of the WPS function.
Configure Method	Select the WPS method that you wish to use. If your device supports Push Button Connection (PBC), simply select this option and click Apply to start the connection process. You will then have 120 seconds to press the WPS button on your wireless device in order to initiate the connection. If your device does not support PBC, you can select the PIN method and continue to the next step.

Click **“Apply”** to commence the connection process.

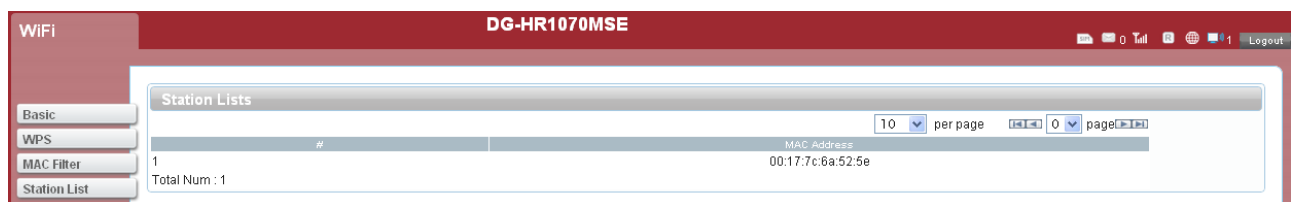
3) MAC filter

The wireless clients connected can be allowed or denied to internet access based on MAC address.



4) Station List

The Station List tab shows a list of all wireless clients currently connected to your wireless network.



3-9 Security

The Security tab allows you to configure your router's firewall settings and enable features to protect your network from outside intrusions and malicious attacks.

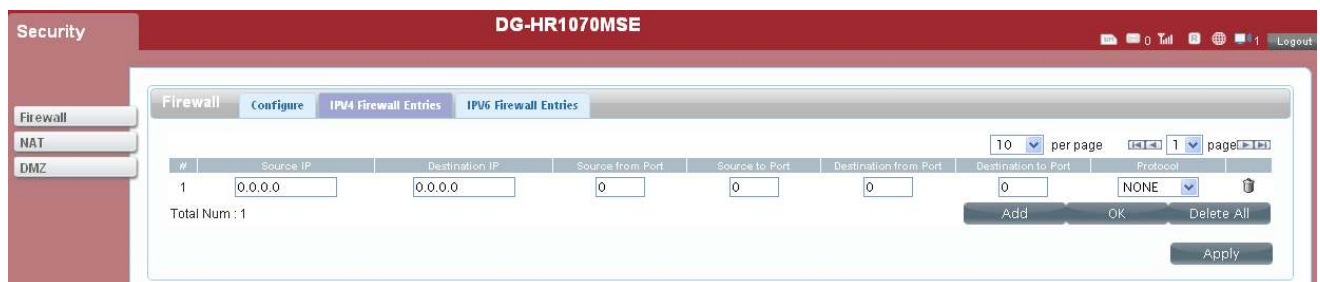
1) IPV4 Firewall Entries

Configure



The IP filter enables you to allow or deny access to your destination address based.

Click “Add” to add the current rule to the rules list as shown below.

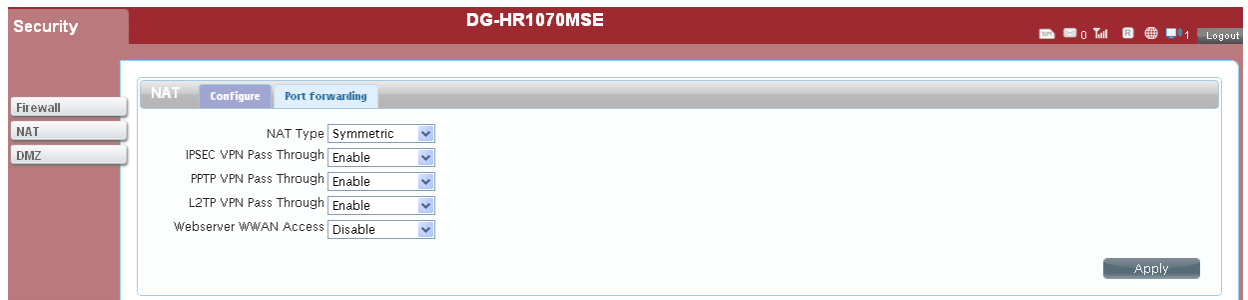


Here is the description of every setup item:

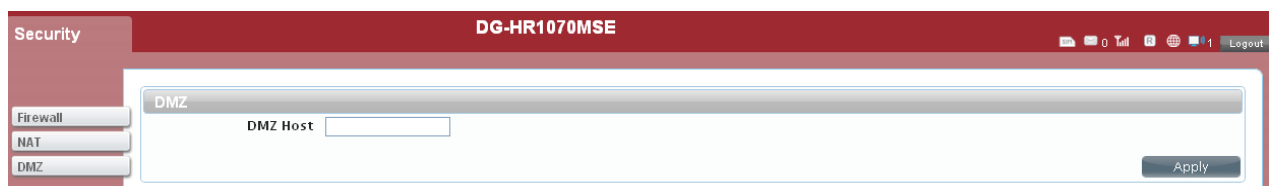
Parameter	Description
Source IP	Enter the IP address of the machine or device which you wish to filter packets coming from.
Source form port	Enter the starting port on the source IP.
Source to port	Enter the ending port on the source IP.
Destination IP	Enter the destination IP address to be filtered.
Destination from IP	Enter the starting port of the destination IP.
Destination to Port	Enter the ending port of the destination IP.
Protocol	Select the Protocol for the rule.
Delete	Click the icon to delete this MAC filtering rule. To edit the rule click on the rule itself.

2)NAT

This section allows you to configure functions related to Network Address Translation (NAT) such as port forwarding, port triggering and the Demilitarized Zone (DMZ)



3)DMZ



If a machine on your network is having trouble running an application from behind the router's firewall, you can choose to enable the DMZ, which will expose the selected machine completely to the Internet. It is recommended that this is only used as a last resort, and that you understand the security implications before enabling the DMZ.

Here is the description of every setup item:

Parameter	Description
DMZ Host	Enter the IP address of the machine that you wish to place in the DMZ. If this machine receives an IP address from the DHCP server, you should make a DHCP reservation to ensure that the machine always receives the same IP address.

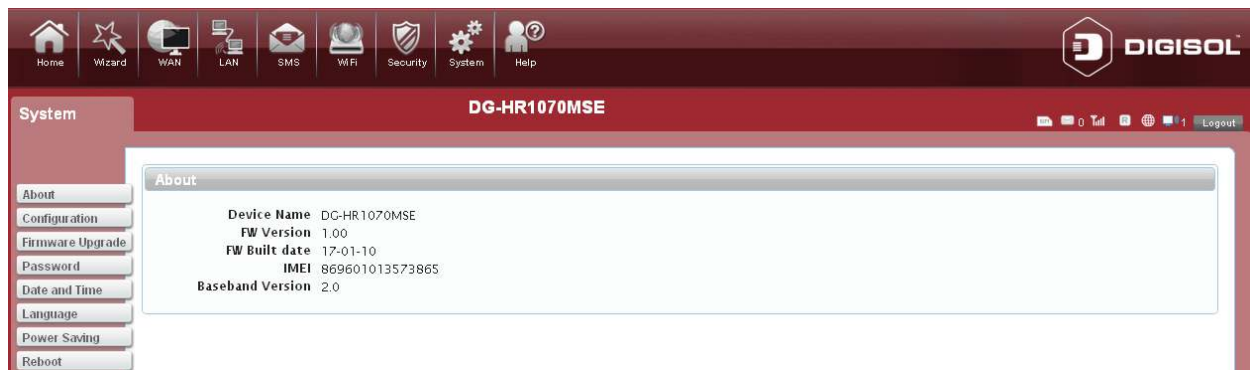
Click **“Apply”** to save the settings and return to the Network page.

3-10 System

This tab allows you to configure the router's administrative functions, such as time & date, firmware upgrade, etc.

1)About

This tab shows the router's basic information.



2)Configuration

Here you can click on “**Reset**” to reset the unit to default settings.

Reset to Default



3)Firmware Upgrade

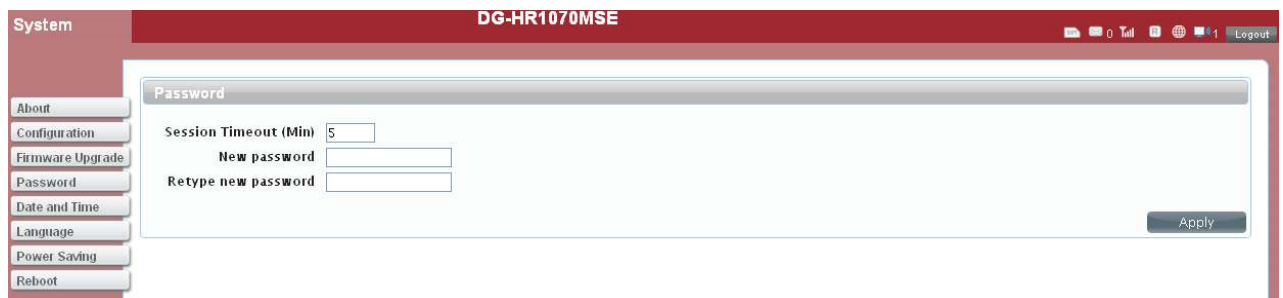
You can upgrade the firmware of the router here. Make sure the firmware file you want to use is on the local hard drive of the computer.



Click “**Choose file**” to locate a previously downloaded firmware file on your computer. Once the file has been located, click Upgrade to carry out the firmware upgrade process.

Warning: All current settings will be restored to their factory defaults following a firmware upgrade.

4) Password



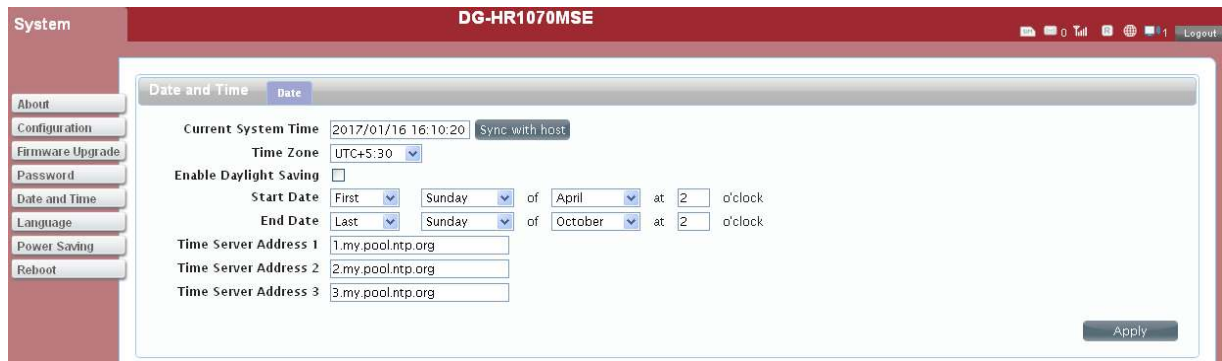
This page lets you change the configuration interface passwords for the Administrator (Admin) and User accounts.

Here is the description of every setup item:

Parameter	Description
Old Password	Enter the existing password for this account.
New Password	Enter the new password for this account.
Retype New Password	Type the new password again to confirm.

5)Date and Time

This page lets you set the time and date for your router, and also configures automatic time synchronization and daylight savings time.



System **DG-HR1070MSE**

Date and Time **Date**

Current System Time: 2017/01/16 16:10:20 Sync with host

Time Zone: UTC+5:30

Enable Daylight Saving: ☐

Start Date: First Sunday of April at 2 o'clock

End Date: Last Sunday of October at 2 o'clock

Time Server Address 1: 1.my.pool.ntp.org

Time Server Address 2: 2.my.pool.ntp.org

Time Server Address 3: 3.my.pool.ntp.org

Apply

Here is the description of every setup item:

Parameter	Description
Current System Time	Displays the current time and date according to the router's system clock.
Time Zone	Select the time zone.to synchronize the device time with time zone.
NTP server	Set the NTP server manually.
NTP Synchronization	Time when the NTP client will synchronize with NTP server.

Click **“Apply”** to save the current settings.

6)Language

Language: Select your preferred language from the drop-down menu.



System **DG-HR1070MSE**

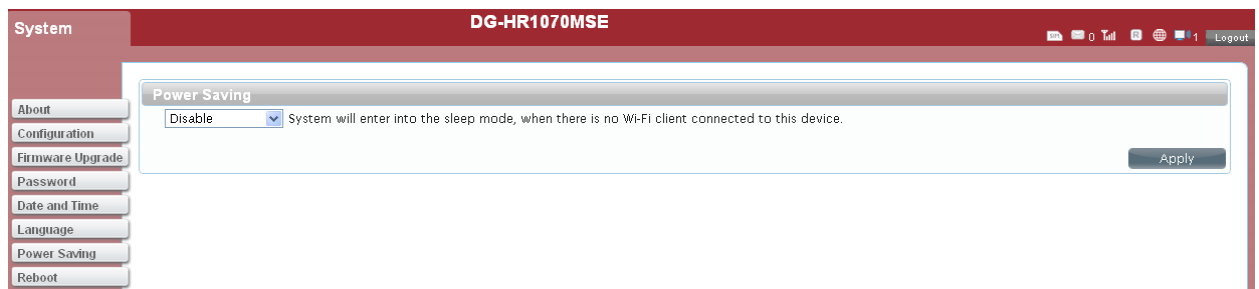
Language

Language: English Apply

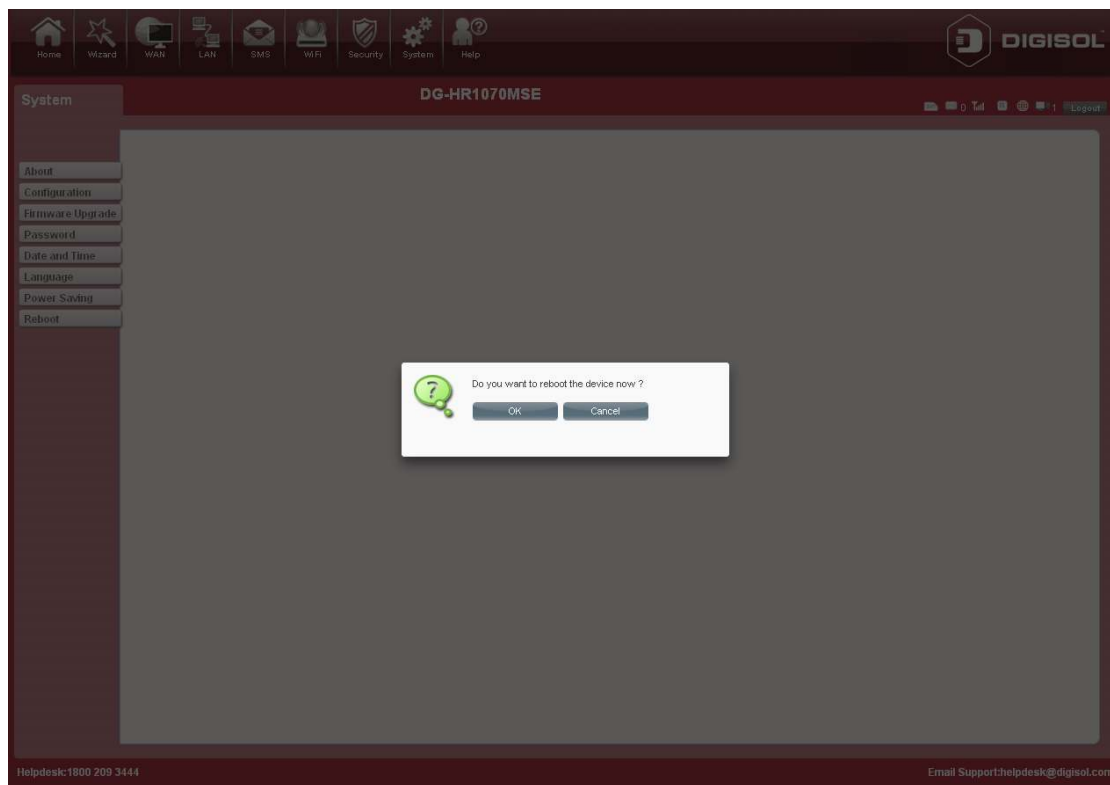
Click **“Apply”** to save the current configuration.

7) Power Saving

In this feature the System will switch to sleep mode if idle for a specified time.



8) Reboot



Proper Battery Use and Disposal

IMPORTANT

IN EVENT OF A BATTERY LEAK:

- Do not allow the liquid to come in contact with your skin or eyes. If contact has been made, wash the affected area with large amounts of water and seek medical advice.
 - **SEEK MEDICAL ADVICE IMMEDIATELY IF A BATTERY HAS BEEN SWALLOWED.**
 - Communicate the appropriate steps to be taken if a hazard occurs. Due to the transmission and reception properties of wireless communication, data occasionally can be lost or delayed.
-

Please review the following guidelines for safe and responsible battery use:

1. **DO NOT** disassemble or open, crush, bend or deform, puncture, or shred.
2. **DO NOT** modify or remanufacture, attempt to insert a foreign object into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazards.
3. Only use the battery for the system for which it was specified.
4. Only use the battery with a charging system that has been qualified with the system as per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazards.
5. Do not short circuit a battery or allow a metallic or conductive object to come in contact with the battery terminals.
6. Replace the battery only with another battery that has been qualified with the system as per this standard. Use of an unqualified battery may present a risk of fire, explosion, leakage, or other hazards.
7. Promptly dispose off used batteries in accordance with local regulations.
8. Battery usage by children should be supervised.
9. Avoid dropping the device or battery. If the device or the battery is dropped, especially on a hard surface, and the user suspects damage, take it to the authorized service center for inspection.
10. Improper battery use may result in a fire, explosion, or other hazard.

This product comes with a Limited Lifetime Warranty. For further details about warranty policy and Product Registration, please visit support section of www.digisol.com