DIGISOL™

DG-HR1160M

Portable Power Bank 3G Router
User Manual

V1.0

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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.

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1. Product Overview

DIGISOL DG-HR1160M is a 150Mbps Wireless 3G portable power bank router. It has a compact design, perfect to carry and connect to Internet instantly. It can be used as a Power bank to charge your smart phone when on the move. The USB port on the router can be used for USB media sharing or 3G Internet connection using a 3G dongle. It uses the latest wireless IEEE802.11n technology to stream data at 150Mbps to its wireless clients. DG-HR1160M is truly a Portable Power Bank Router with Compact Design, Internet Access, Media Sharing and Power Bank.

Key Features:

- 3G Router compatible with HSPA+/EVDO USB dongle.
- Supports WLAN network speed up to 150Mbps.
- Robust WLAN security.
- USB Media Sharing.
- USB Interface for charging smartphones.

1-1 System Requirements

The following system requirements are recommended

- Notebook or wireless desktop PC with Wi-Fi enabled.
- Internet Browser IE6.0 and above, Safari, Google chrome and Firefox.

1-2 Package Contents

The following items should be present in your package:

- DG-HR1160M (Portable Power Bank 3G Router)
- USB Cable
- Quick Installation Guide
- Installation Guide CD (User manual & QIG)

1-3 Get familiar with your new Portable Power Bank 3G Router DG-HR1160M

Below is the LED description table:

LED Indicator	Indicator Description
RED	Router is powered ON.
PURPLE flashes every 3 sec	3G dongle is connected and trying to establish connection.
BLUE flashes every 3 sec	Ethernet cable is connected and trying to establish connection.
BLUE steady ON	Router is connected to Internet, either through (WIFI / Cable / 3G).
RED steady ON	Internet connection failed.
PURPLE	USB disk connected to router.
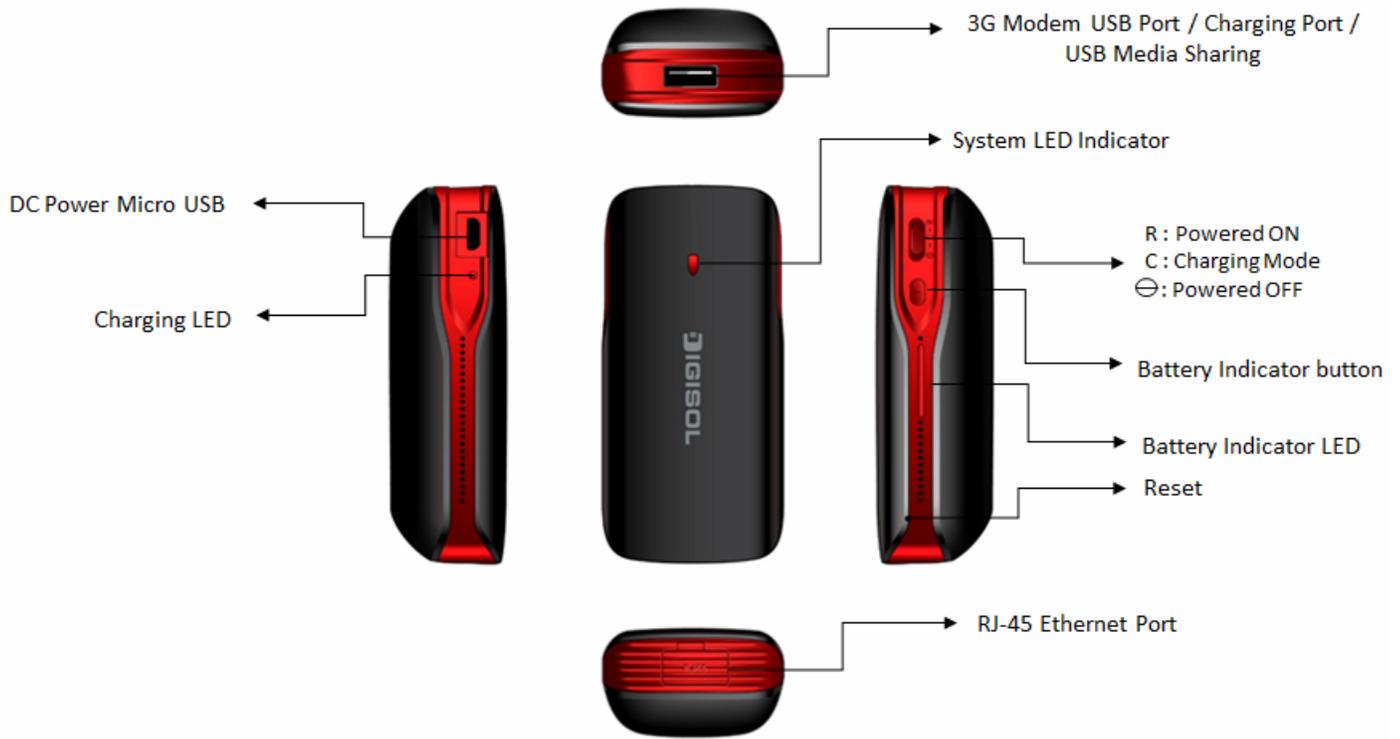
The above figure shows the appearance of the Portable 3G Router. It is provided only for reference and the actual product image may vary.

2. System and Network Setup

2-1 Installation

The following section explains the hardware installation procedure.

Please follow the below mentioned instructions to build the wireless network connection between your new WIRELESS 3G Router and your wireless computers and other wireless devices:

A) Connect your 3G dongle to USB port of the router. (Only for establishing 3G Connection)

3G USB dongle
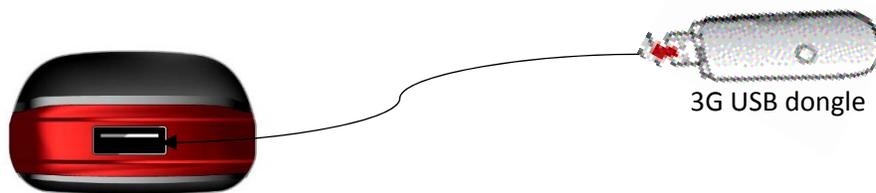
B) Connect your xDSL modem or cable connection to Ethernet port of the router. (Only for Cable Internet Connection).

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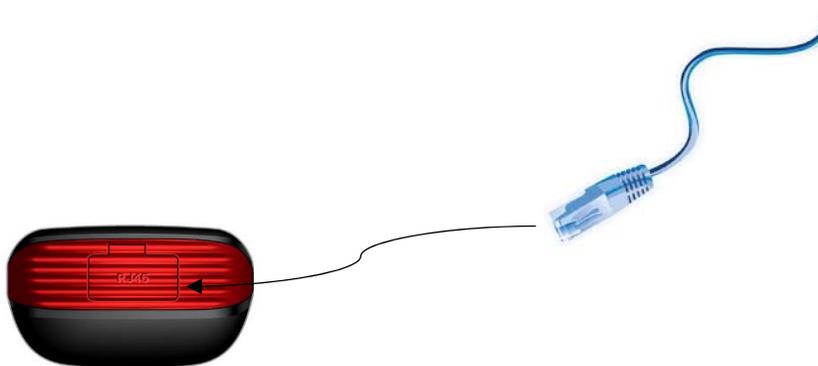
- Turn ON the router.

R: Powered ON
C: Charging Mode
⊖: Powered OFF

- Please check LEDs on the front panel of router. System LED should be ON. Check if the computer / network device connected to the respective port of the router is powered ON and correctly connected. If System LED is not ON, please recheck the cabling or router installation, or jump to **'3 Troubleshooting'** for possible reasons and solutions.

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2-2 Configuring wireless broadband router by web browser

After the network connection is setup, next step is to setup the router with proper network parameters, so it can work properly in your network environment.

Please use the web browser to configure the router. A computer with wireless connection to the router is required for this first-time configuration.

Please turn ON the wireless adapter of PC first.

2-2-1 Setup Wireless Connection

Step 1: Open **Control Panel -> Network** and Sharing Center.
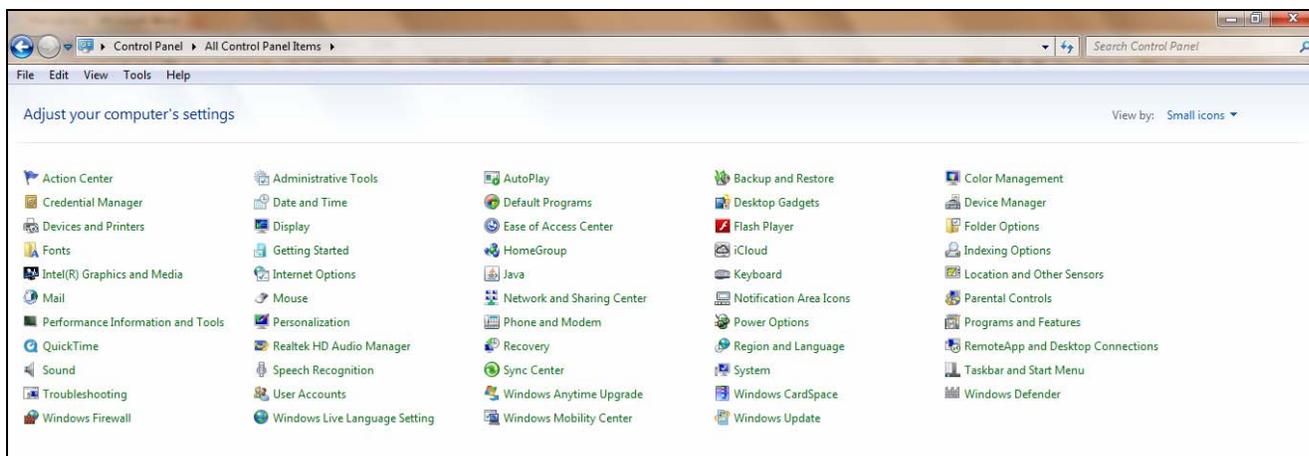
Step 2: Click on the Connect to a network.
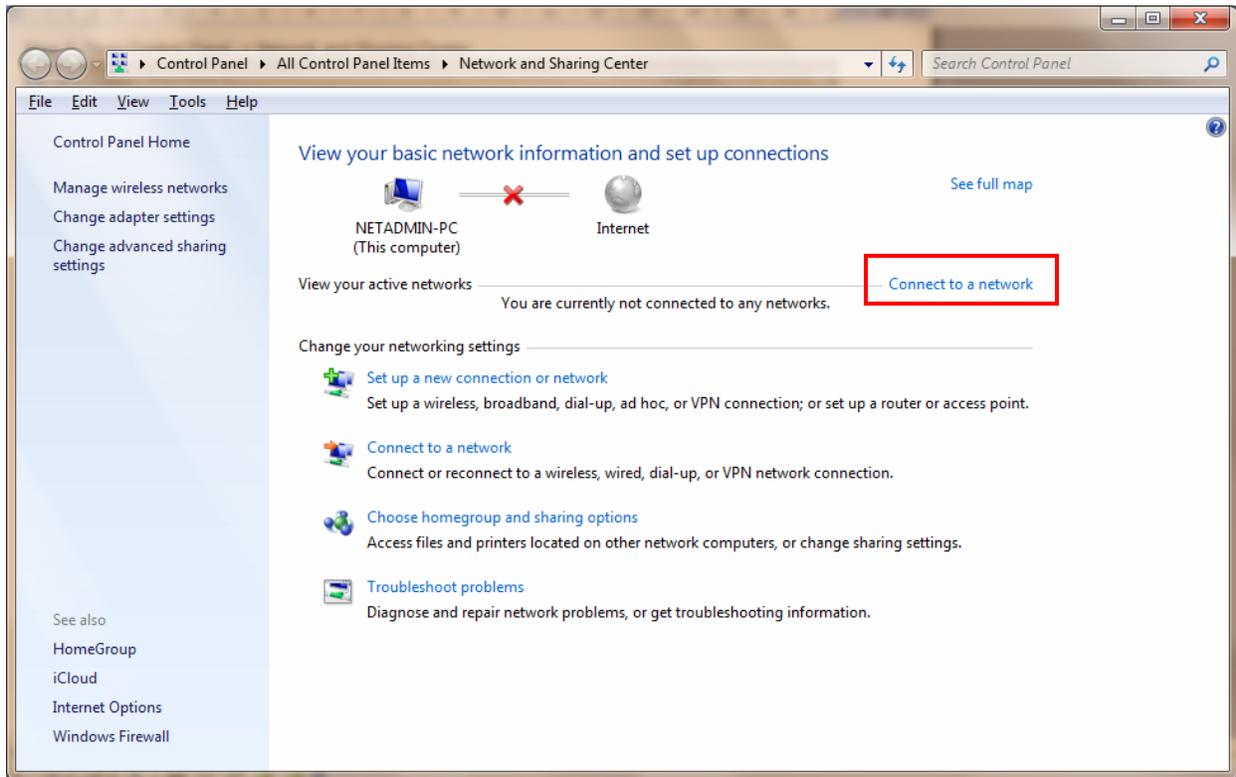
Step 3: Choose "**DIGISOL**" to connect.

Step 4: Fill in the Security Key "**12345678**", then press "**OK**"
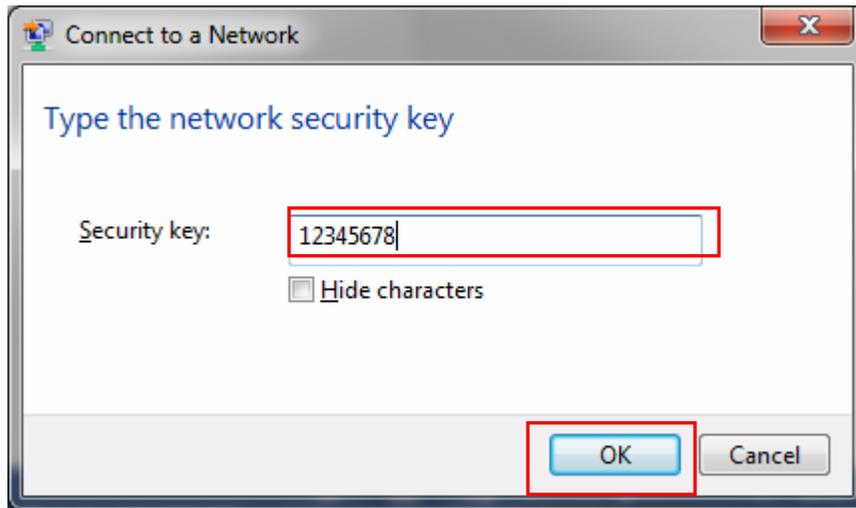
2-2-2 Connecting the router's management interface by web browser

After you are successfully connected to the router, open the web browser, and type the IP address of the router in the address bar as '**http: //192.168.2.1**'.

The following message should be shown, user must login to get access of the router:

Please input user name and password in the field respectively, default user name is '**admin**', and default password is '**1234**', then press '**OK**' button, and you can see the web management interface of this router:

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NOTE: If you can't see the web management interface, and you're being prompted to input user name and password again, it means you didn't input username and password correctly. Please retype user name and password again. If you're certain about the user name and password you typed please go to **section3 Troubleshooting** to perform a factory reset, to set the password back to default value.

2-3 Setup Procedure for setting "PPPoE"

Click "**PPPoE**", if you want to configure your DSL Username and Password and below given screen will appear.

Below is the description of every setup item:

Parameter	Description
Username	Please input user name assigned by your Internet service provider here.
Password	Please input password assigned by your Internet service provider here.
Verify Password	Please re-enter the password to verify the same.
MAC Clone	Clone MAC address if required, else keep it disabled.

When you finish with all settings, please click '**Apply**'. If you want to cancel the settings click '**Cancel**'.

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2-4 Setup Procedure for setting "WIFI password"

Click "**WIFI Password**" and below given screen will appear.

Below is the description of every setup items:

Parameter	Description
SSID	This is the name of wireless router. You can type any alphanumerical characters here, maximum 32 characters. SSID is used to identify your own wireless router from others when there are other wireless routers in the same area. Default SSID is '**DIGISOL**', it's recommended to change the default SSID value to the one which is meaningful to you, like myhome, office_room1, etc.
Modify Password	Please tick the box if you want to modify the wireless password. By default wireless password is **12345678**.
WiFi Password	Please enter the password to verify the same. Password should be alphanumeric characters having minimum 8 characters up to 63.
Confirm WiFi Password	Please re-enter the password to confirm the same.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

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2-5 Setup Procedure for setting "Relay WIFI"

"**Relay WIFI**" is also called as "**WISP**". If your network service, provided by your service provider is through wireless network, please select this mode. After you have connected the router to the access point of service provider wirelessly, then you can browse Internet through your service provider.

Click "**Relay WIFI**" and below given screen will appear.
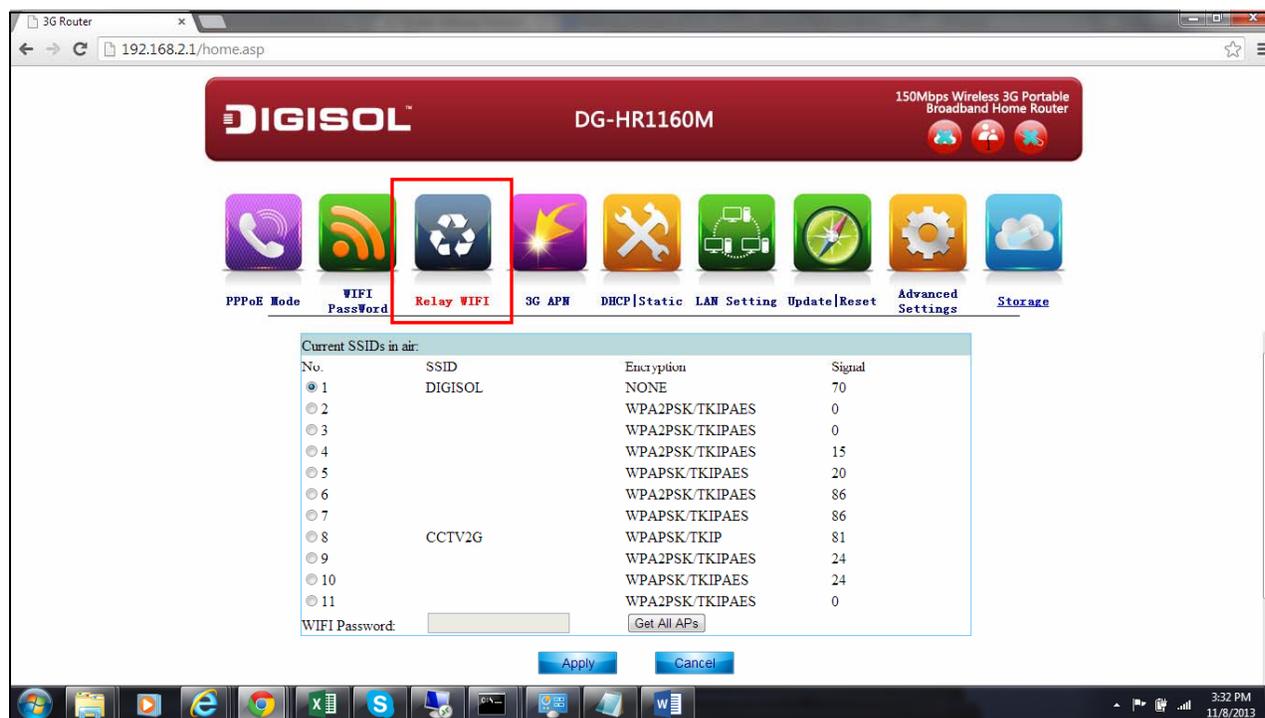
Below is the description of every setup items:

Parameter	Description
Get All AP's	Select this option to list all the SSID available in your area.
Current SSIDs in air	Select the SSID you wish to connect.
WIFI Password	Enter the password of wireless network you are connecting to, only if it is secured or else keep the WIFI Password blank.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

2-6 Setup Procedure for setting router in "3G" mode

Select this mode if you wish to connect Internet using HSPA/EVDO USB dongle. Click "**3G APN**" and below given screen will appear.

Below is the description of every setup items:

Parameter	Description
ISP	Select the ISP, from drop down list. If your ISP is not listed keep the"ISP" field blank.
APN	Enter the APN of your USB dongle.
3G Dial	For example for 3G, enter *99# dial no and for EVDO, enter #777.
3G User	Enter the Username provided by ISP for 3G.
3G Password	Enter the Password provided by ISP for 3G.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

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2-7 Setup Procedure for setting "DHCP | Static" Internet

Select "**DHCP | Static**" mode if you have Cable Internet Connection. Click "**DHCP | Static**" and below given screen will appear.

Below is the description of every setup items:

Parameter	Description
DHCP	Select DHCP, if your ISP provides DHCP type of Internet connection.
MAC Clone	Enable MAC Clone, if your ISP uses MAC address for authentication.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

For Static IP: Select "**Static Mode**" and below given screen will appear.

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Below is the description of every setup items:

Parameter	Description
IP Address	Please input the IP address assigned by your service provider.
Subnet Mask	Please input the Subnet Mask assigned by your service provider.
Default Gateway	Please input the Default gateway assigned by your service provider.
Primary DNS Server	Please input the Primary DNS Address assigned by your service provider.
Secondary DNS Server	Please input the Secondary DNS Address assigned by your service provider.
MAC Clone	Enable MAC Clone, if your ISP uses MAC address for authentication.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

2-8 Setup Procedure for setting LAN & DHCP

Select "**LAN Setting**" and below given screen will appear. Here you can change the LAN IP and set DHCP pool.

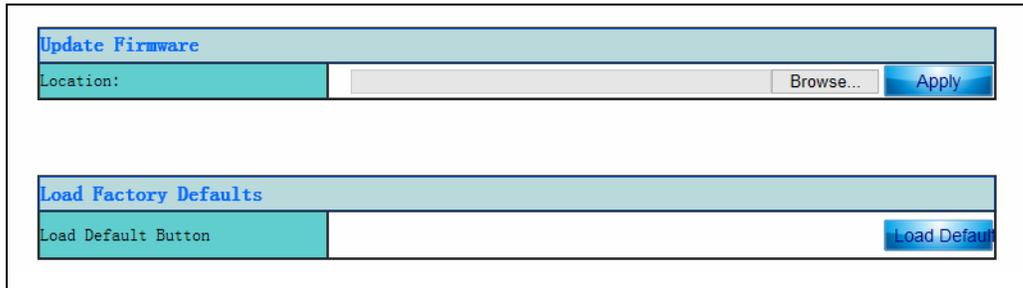| Parameter	Description
IP Address	Set the LAN IP of router.
Subnet Mask	Set the subnet mask for LAN network.
Start IP Address	Enter the Start IP for DHCP pool.
End IP Address	Enter the End IP for DHCP pool.
Secondary DNS Server	Enter the DNS Server.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

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2-9 Setup Procedure for updating and restoring the router

Select "**Update | Reset**" option and below given screen will appear.

Below is the description of every setup items:

Parameter	Description
Update Firmware	Click "**Browse**" and locate the firmware file stored and "**Apply**" the settings.
Load Default	Click "**Load Default**" to reset the router to factory default settings.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

2-10 Setup Procedure for setting Advanced Settings

Select Advanced Settings for settings advanced parameter.

2-10-1 System Info

Select this option to view the "**System Information**", setting "**DDNS**" and "**Port Forwarding**".

Click "**System Information**" and below given screen will appear.

Below is the description of every setup item:

Parameter	Description
System Version	Displays the system version.
System Up Time	Display the router UP time.
Networking Mode	Display the mode in which router is configured.
WAN Connection Status	Display the Internet Status.
WAN IP Address	Display the WAN IP address.

2-10-2 Setup procedure for 'DDNS'

DDNS (Dynamic DNS) is an IP-to-Hostname mapping service for those Internet users who don't have a static (fixed) IP address. It will be a problem when such users want to provide services to other users on Internet, because their IP address will vary every time when connected to Internet. Thus other users will not be able to know the IP address they're using at a certain time.

Please go to one of DDNS service provider's webpage listed above, and get a DDNS account by the instructions given on their webpage.

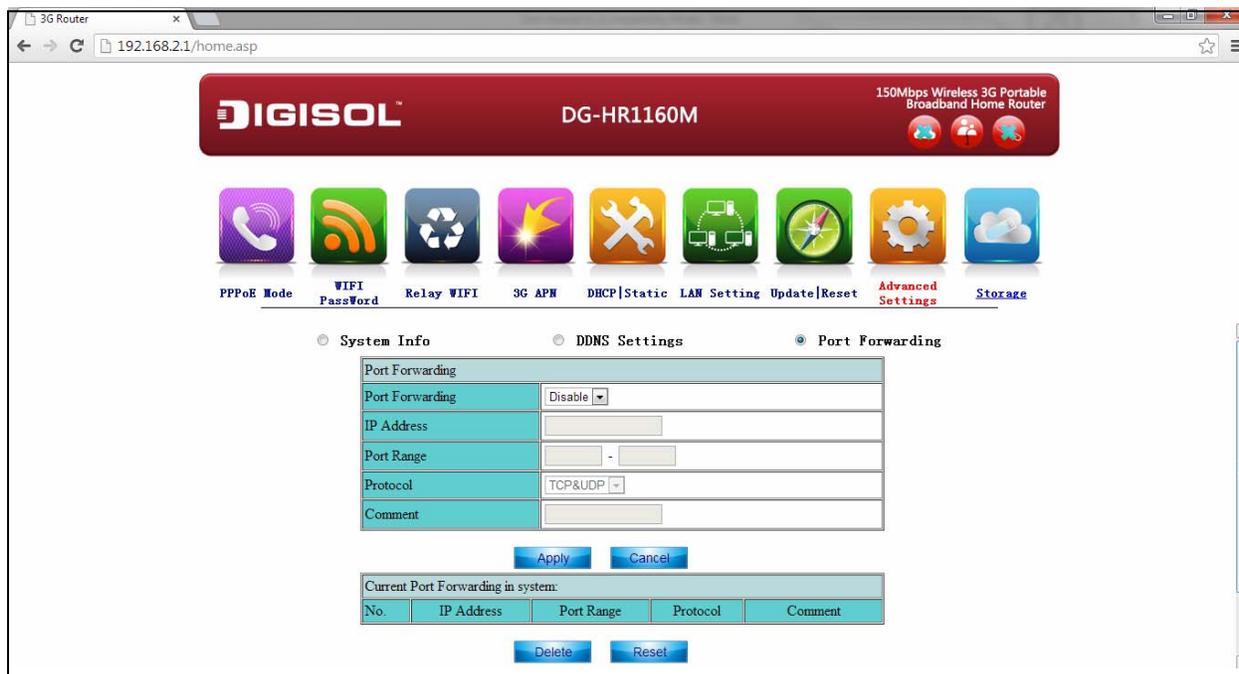Below is the description of every setup items:

Parameter	Description
Dynamic DNS Provider	Select "No-IP" DDNS provider from the list here.
Account	Input Username used for DDNS registration.
Password	Input the password used for DDNS registration.
DDNS	Input the domain name registered with your DDNS account provider.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

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2-10-3 Setup procedure for 'Port Forwarding'

This function allows you to redirect a single port or consecutive ports of Internet IP address to the same port of the IP address on a local network.

Please click '**Port Forwarding**' under advanced settings and below given screen will appear.
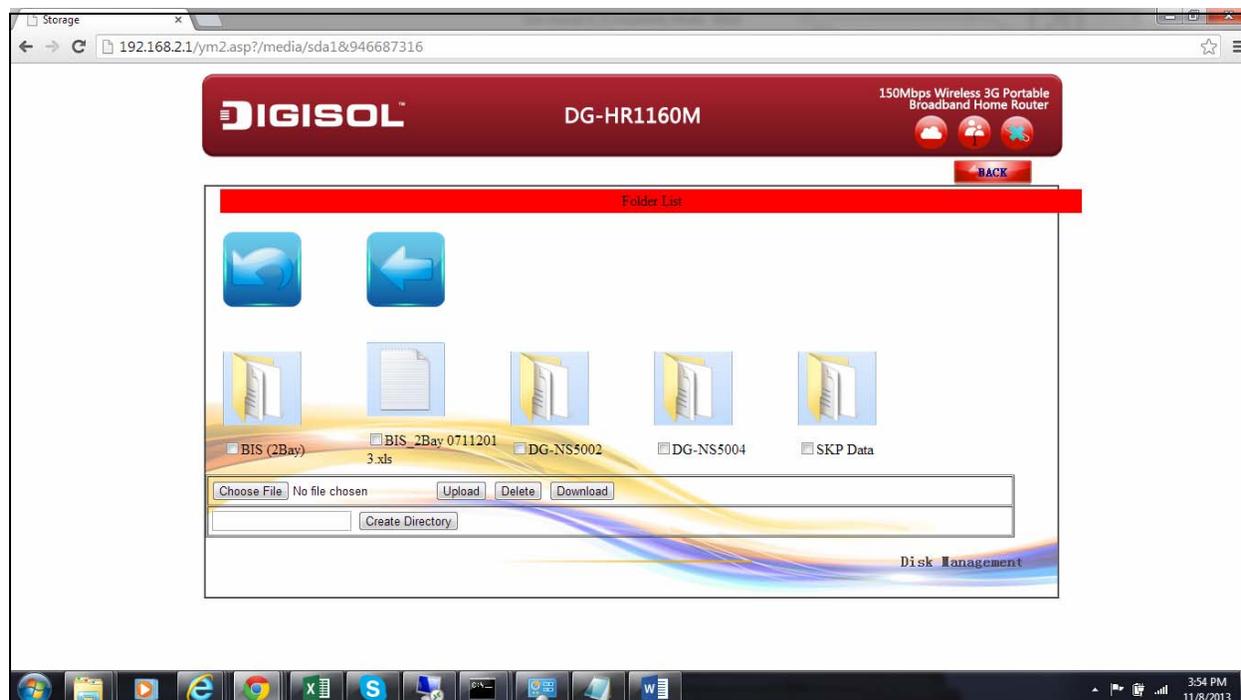

Below is the description of every setup items:

Parameter	Description
Port Forwarding	Enable this feature for port mapping.
IP Address	Input the IP Address of the device in your network which provide Internet service.
Port Range	Input the starting port and ending port. If single port then enter the same in both the field.
Protocol	Select the protocol used.
Comment	Enter the name of the rule defined as comment.
Delete	Delete the selected rule added in Port forwarding.
Reset	Select reset to go back to System Info section.

When you finish with all settings, please click '**Apply**'; if you want to cancel the settings click '**Cancel**'.

2-11 STORAGE

Select this option if you want to share the media files from USB drive connected to router. Click "**Storage**" option to view the USB drive contents.

Below is the description of every setup item here:

Parameter	Description
Upload	Select this option to upload the files to USB drive by browsing the file location.
Delete	Select this option to delete particular file from the USB drive.
Download	Select this option to download the file from USB drive to your local machine.
Create Directory	Select this option to create directory in USB drive.

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2-11-1 Sharing files

You can read the files of the disc, including photos, music, videos via the client or through browser. DG-HR1160M supports third party client which is compatible with DLNA agreement. The following demo is for SKIFTA APP installed on iPhone. This APP is compatible with Android and Windows.
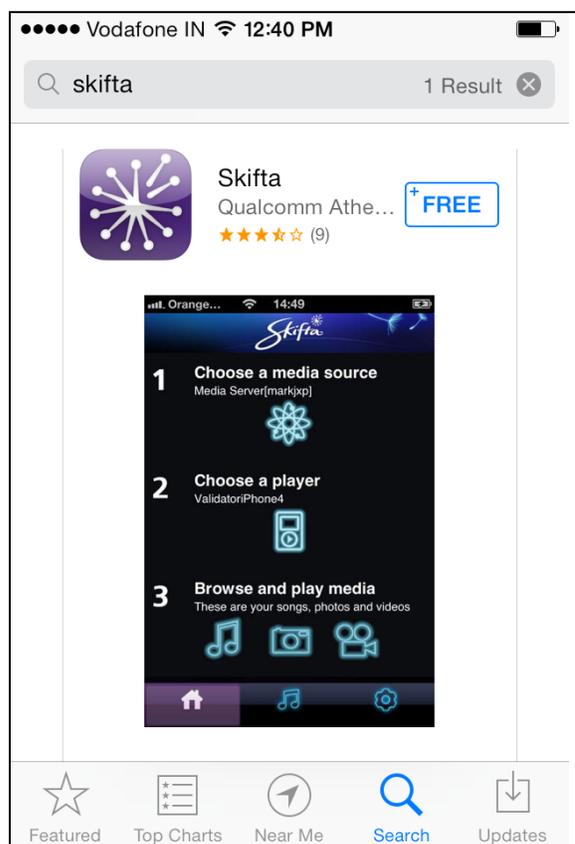
Share multimedia files via client (SKIFTA)

Insert the USB disk to the router and turn it ON.

If LED turns purple, then it means connection is successful.

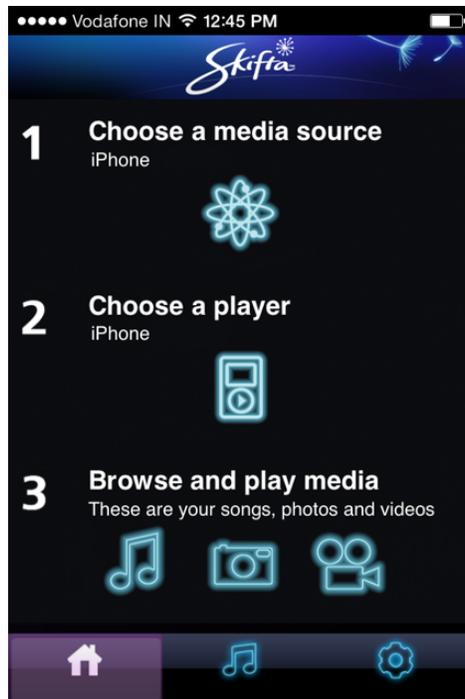Search for the WIFI network on iPhone and connect to DIGISOL SSID.

Make sure SKIFTA APP is installed on your iPhone. If not, please install it from APP Store.
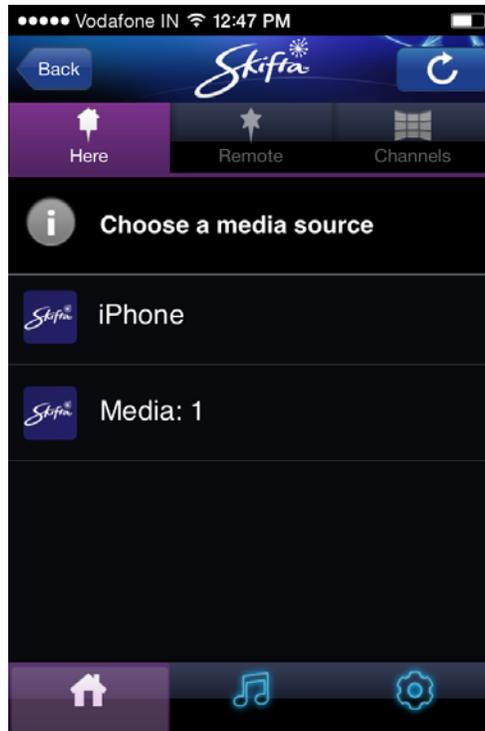

Open the APP and please make note of Wireless connection. Your device should be connected to "**DIGISOL**" network.
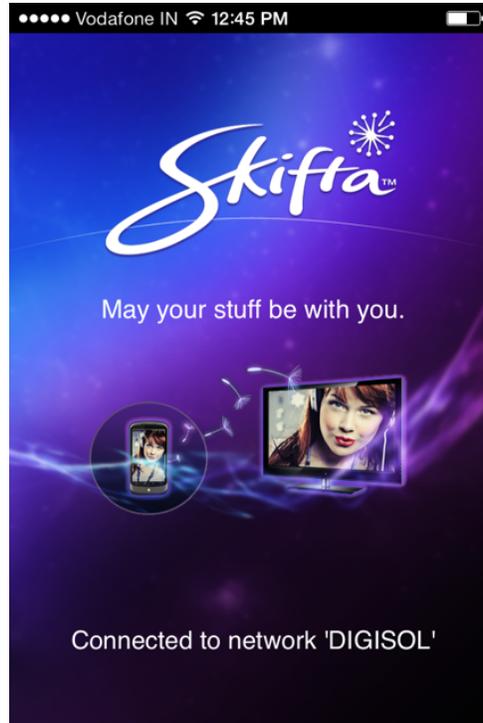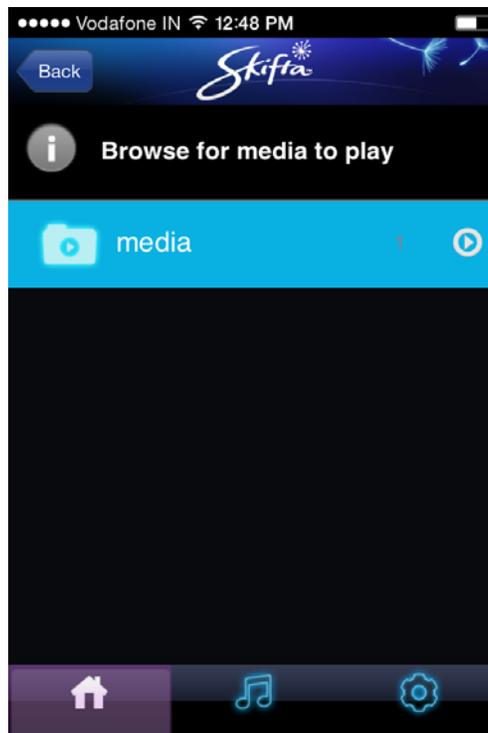
Open the APP, as shown below. Go to "**Choose a media source**" where you will see the storage USB disk.

As shown below, 2 storage disks are listed. First one is the phone storage and second is the USB storage connected to router.

Select "**Media 1**" and it will list all the files stored in the USB disk.

3. Troubleshooting

Problem	Solution
How to find the SSID and password?	You can find SSID and password printed on the sticker of the device.
Setup the router according to network environment	i) If you insert the cable into your computer and can access the Internet without any configuration, then connect the same cable to router just plug and play. This situation applies to hotel etc. ii) Before accessing the router, if you have to connect using Broadband connection then configure the router in PPPoE mode.
Cannot access internet after configuring the router successfully	i) Please confirm whether the Ethernet port connection is OK or not. If LED indicator on router is BLUE then the Internet connection is OK or if it RED then there is no Internet connection. ii) If router is in RELAY WIFI mode, check if it is connected to proper WIRELESS network with correct key. If router is in PPPoE mode, then check the username and password is correct. If router is in Static mode, then check whether IP address is correct or not.
Cannot log in to the router	Please confirm whether you input the correct username and password. Default username is "admin" & password is "1234". Still unable to login to the router, then reset the router by holding the reset button for 10 seconds.
Cannot connect through 3G USB dongle	i) Please confirm if USB dongle is working by connecting it directly to USB port on PC. ii) Check the compatibility list of USB dongle with 3G router. Please confirm whether you input the correct APN, username and password (optional) to connect. Kindly confirm the APN details from ISP. If still unable to connect then there is compatibility issue of 3G dongle with the router.

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