

Please note that is it recommended to download our full User Manual on our site since this is current version that is enclosed does not have all the features listed.

Note: Manual is based on firmware 3.4

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## **About the Product**

- The MOFI3500-3GN Version 2 Rev 2 is an IEEE802.11n wireless broadband Router with HSDPA\HSUPA 3G\4G\LTE support. With a 3G\4G\LTE USB modem simply plug in the Router, an Internet connection can be accessed and shared virtually anytime anywhere within a wireless broadband network.
- 4-Port Wireless-N Broadband Router to Share Wireless Internet Connection with more users. MOFI3500-3GN Version 2 Rev 2 also integrates router function so that Internet can be accessed through WIFI connection simultaneously. MOFI3500-3GN Version 2 Rev 2 4-port wireless-N router function provides an excellent solution for sharing a wireless Internet connection and files such as High Definition (HD) video, music, photos and documents with the wireless speed up to 300Mbps.
- Advanced Wireless Security

The MOFI3500-3GN Version 2 Rev 2 creates a secure Wi-Fi® network by supporting the latest wireless security features to prevent unauthorized access. It supports for 64/128-bit WEP, WPA, and WPA2 to ensure that you will be able to secure your Wi-Fi network, regardless of your client devices. In addition, the 3G/4G/LTE Mobile Router utilizes dual active firewalls (SPI and NAT) to prevent potential attacks from across the Internet.

Wide Wireless Coverage

The product integrates 2x2 (2 transmit and 2 receive) antennas. This MIMO technology overlay the signals of multiple radios, which successfully reduce "dead sports", increase throughput and increase wireless coverage range.

Easy to install and Use

By connecting a USB modem into USB port of MOFI3500-3GN Version 2 Rev 2, Internet access can be accessed and shared virtually anywhere within a wire or wireless broadband network. You can also directly connect Ethernet-based devices to its built-in 4-port full-duplex 10/100 switch.

## **Features**

- > 2-in-1 dual function Router HSPA support for 3G\4G\LTE mobile broadband plus 4-port wireless N router
- Support HSDPA/HSUPA (3G\4G\LTE) USB modem connection to offer a network connection with full mobility
- Converts single user 3G\4G\LTE USB modem into a multiple users ready WiFi Router to share the mobile Internet connection with your family, friends and colleagues
- Support IEEE802.11b/g and 11n (draft 2.0) wireless standard data transfer rate reaches up to 300Mbps
- > Support WAN Port and 4-Port 10/100M Ethernet dual way connections to DSL/Cable modem for Internet access
- > Support for 64/128-bit WEP, WPA, and WPA2 ensure secure WiFi network, and prevent unauthorized access
- > Support WiFi Protected Setup reduce by half the user steps to configure a network
- > Adopt 2x2 MIMO technology increase throughput and increase wireless coverage range
- > Detachable Antennas allows flexible gain performance antennas.
- Auto Fail Over (If you have a 3G\4G\LTE stick and a cable\dsl connection, if the cable\dsl connection is lost, the 3G\4G\LTE stick will take over and as soon as the connection is established again, it will revert back to the cable\dsl connection. Note there is nothing that needs to be applied as this feature is enabled by default and will auto sense.
- Many more features is included in the router which you can find at www.mofinetwork.com and www.dummyhelp.com

## **Requirements**

Your computer must meet the following minimum requirements.

Virtual any internet browser

Ethernet network adapter or wifi network adaptor

## **Package Content**

The package should contain the following items:

- MOFI3500-3GN Version 2 Rev 2
- CD Content
- 12.0V, 1A Power Adapter (Model SWM11-12120)
- Easy Start Guide

If any of the items is missing please contact the dealer from whom the equipment was purchased.

## **Device Design**

#### **Front Panel**



	LED	Behavior	Description				
A	Boot Status		Blink when booting, Solid when competed boot.				
B Power		Off	No power is supplied to the device.				
		Steady Light Connected to an AC power source.					
С	C 3G\4G\LTE Status	On	3G\4G\LTE Internet connection is active				
		Off	3G\4G\LTE Internet connection is off				
П	USB Status	On	Active USB device is connected to the router				
		Off	No active USB device connected to the router				
F	Wi-Fi	On	Wireless is enabled				
		Off	Wireless is disabled				

		Blinking	Transmitting/Receiving data wirelessly
F WAN		On	Connected to a Modem
		Off	No Modem connection
		On	Connected to an Active Ethernet Device
G Ethernet 1-4	Ethernet 1-4	Off	No Ethernet Connection
	Blinking		Transmitting/Receiving Data
н	WPS		Press for two seconds (or until the LED blinks) to start WPS pairing. Wireless client must be WPS-enabled and must be pressed within 2 minutes.

#### **Back Panel**



	Label	Description
A	Ethernet Port 1-4	Connecting with computers/devices using an Ethernet cable
В	WAN	Connect to a modem using an Ethernet cable
С	Reset	Press for 3 seconds to reset to the Factory Default.
D	USB Port	Connect to a 3G USB modem stick, USB storage, printer and alike.
E	Power Jack	Use 12V 1.0A Power Adapter
F	Antenna 1 and 2	Sending/Receiving wireless signals

## **Getting Started**



## **Plan Your Network**

1. Using a 3G/4G USB Modem Stick



2. Using a DSL/Cable modem



## **Remove or Disable Conflicts**

To make sure the router installation moves on smoothly, you need to remove or disable conflicts that may interfere the installation. Probable conflicts may include:

- Internet sharing applications
- Proxy software
- Security software
- TCP/IP settings
- Internet properties
- Temporary Internet files

#### Internet Sharing, Proxy, and Security Applications

Internet sharing, proxy software, and firewall applications may interfere with the router installation. These should be removed or disabled before start the installation.

If you have any of the following or similar applications installed on your computer, remove or disable them according to the manufacturer's instructions.

Internet Sharing Applications	Proxy Software	Security Software
Microsoft Internet Sharing	WinGate	Symantec
	WinProxy	Zone Alarm

#### Configuring the TCP/IP Settings

Check if your computer uses default TCP/IP Settings

To check the TCP/IP properties:

- 1. Click the Start button, and then click Run. This opens the Run dialog box.
- 2. Type in ncpa.cpl, and then click OK. This opens the Network Connections in your computer.
- 3. Right-click LAN, and then select Properties. This opens the Local Area Connection Properties dialog box.
- 4. Select Internet Protocol (TCP/IP), and then click Properties. This opens the Internet Protocol (TCP/IP) dialog box.
- 5. Select Obtain an IP address automatically.

- 6. To close the Internet Protocol (TCP/IP) dialog box, click OK.
- 7. To close the Local Area Connection Properties dialog box, click OK.

#### **Configuring Internet Properties**

To set the Internet Properties:

- 1. Click the Start button, and then click Run. This opens the Run dialog box.
- 2. Type in inetcpl.cpl, and then click Ok. This opens the Internet Properties.
- 3. Click the Connections Tab.
- 4. In Dial-up and Virtual Private Network settings, select Never dial a connection.
- 5. Click Ok the button to close the Internet Properties.

**Removing Temporary Internet Files** 

Temporary Internet files are files from Web sites that are stored in your computer. Delete these files to clean the cache and remove footprints left by the Web pages you visited.

To remove temporary Internet files:

- 1. Click the Start button, and then click Run. This opens the Run dialog box.
- 2. Type control, and then click OK. This opens Control Panel.
- 3. Double-click Internet Options. This opens Internet Options.
- 4. In the Temporary Internet Files pane, click Delete Cookies.
- 5. Click Delete Files.
- 6. To close Internet Properties, click OK.

## **Installing your Router**

The MOFI3500-3GN Version 2 Rev 2 can be used in many

ways including as a 3G\4G router or just a regular

#### cable\dsl high speed router.

Using a 3G\4G\LTE USB Modem Stick

If you choose to use a 3G\4G\LTE USB Modem Stick you are required to have the following:

- 1. Plug in your 3G\4G\LTE USB Modem stick on the router's USB port.
- 2. Connect the power cable to the router's power jack and plug it in to the wall socket.
- 3. Connect your PC to any available Ethernet port using an Ethernet cable or connect via wireless. (do not use the WAN if you are using it with a 3G\4G\LTE stick.

#### Using a DSL or Cable Modem

If you choose to use a DSL or Cable modem you are required to have the following:

- DSL or cable modem
- Active Internet Account
- 1. Connect your DSL or Cable modem to the router's WAN port using an Ethernet cable.
- 2. Connect the power cable to the router's power jack and plug it in to the wall socket.
- 3. Connect your PC to any of available Ethernet port using an Ethernet cable or connect via wireless.

**Note:** Ensure that the router's IP address does not conflict with the DSL/Cable modern. Please refer to your modern's User Manual on how to change the LAN IP address.

## **Connecting to the Internet VIA 3G\4G\LTE**

If you have a cable modem or DSL that does not need to have a username\password, just connect the output from the cable\dsl to the WAN port of the router then repower off your cable\dsl box and you should be online.

To Connect to the Internet via the Web User Interface with a 3G\4G\LTE stick, you only need to plug it in and the router should auto detect and it should work. If you need to manually enter the info, do the following:

- 1. Open your Internet web browser.
- 2. Type http://192.168.0.1 in the address bar and press enter. This opens the login authentication page.
- 3. Type your Username and Password. Your default Username is root and the password is: admin

4. Select Network Tab  $\rightarrow$  Interfaces  $\rightarrow$  USB



Enter your APN if not listed and click on Save

## WPS (Wi-Fi Protected Setup)

WPS button allows you to activate Wi-Fi Protected Setup (WPS). When you press the WPS button it automatically detects and connects wireless clients into the wireless network by broadcasting the wireless network settings from your Access Point to you wireless device/s.

To setup WPS:

Press the WPS button on the router for two seconds, or until the LED blinks

Within 2 minutes, press the WPS button on the Wireless Client.

Note that you must select WPA2-PSK Security Type for this to be active. Note also that the WPS PIN is set to dynamic and will change everything it is accessed in the router.

Note: WPS can only be used with wireless client devices that have a compatible WPS component.

#### **ADD A NETWORK PRINTER**

#### FOR WINDOWS 7

Click on the Start Button > Control Panel > Hardware and

Sound > Devices and Printers > Add a printer

Select Add a network, wireless Printer



#### Stop the Auto Detect and click on

"The printer that I want isn't listed"

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	Add Printer      Select a printer      Printer Name     Address      Search again     The printer that I want isn't listed      Net     Cancel	
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Select: "Add a printer using a TCP/IP address or

#### hostname" and press Next



For Device type: Select TCP/IP Device Enter Hostname or IP address: 192.168.0.1 The Port Name should auto file with same: 192.168.0.1 You can leave the check box "Query the printer and automatically select the driver to use" and then go Next Windows should detect the settings

Select Custom Settings and leave everything as default:

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port number should be 9100 as RAW

press OK to continue

At this point, this is why you will need to have your printer

driver (same as you have when you installed it on your pc)

Select Have Disk, locate and it will install the printer.

You printer will show up, go Next to continue

Select "Use the driver that is currently installed

(recommended)" then go next

Enter the printer name you want to called (suggested you put Network at the end so you do not confuse the one that you currently may have installed. At this point, everything should be installed and your printer should work.

#### FOR WINDOWS XP

Before you continue, ensure that you have installed the printer's driver on this computer and the printer is attached to the MOFI3500-3GN Version 2 Rev 2

Click on the Start Button > Control Panel > Printers and Other Hardware > Printers and Faxes.



Click on the File Menu > Add Printer.

🝓 Printers and Fa	xes	
<u>Eile E</u> dit <u>Vi</u> ew F	avorites Iools Help	At
Add Printer Server Properties Send Fax	🏂 🔎 Search 🜔 Folders 💷 -	
Create Shortcut Delete Rena <u>m</u> e Properties	Faxes	v 🗗 Go
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See Also Troubleshoot p Get help with p	aviniting	
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Greates a new printe	er.	

#### Click on Next on the Add Printer Wizard page.



Choose Local Printer attached to this computer and click Next, on the Local or Network Printer page.



Choose Create a new port and on the drop down box choose Standard TCP/IP Port then click Next.



Click Next button on Welcome to the Add Standard

TCP/IP Printer Port Wizard.



## Enter your MOFI3500-3GN Version 2 Rev 2 Default Gateway IP address 192.168.0.1 then click Next.

Add Port For which device do you want	to add a port?
Enter the Printer Name or IP a	ddress, and a port name for the desired device.
Printer Name or IP <u>A</u> ddress:	192.168.0.1
<u>P</u> ort Name:	IP_192.168.0.1

#### **Under Additional Port Information Required choose**

#### **Custom then click Next**



Once the computer detects the printer on the Print Server, it will ask for the printer manufacturer and model, a list of printers will be shown, select the your printer from the list and click OK.

Add Printer Wizard	?						
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.							
Manufacturer 🔼	Printers	^					
AT&T Printer Manufacturer Bull Canon Citizen C-Itoh	Manufacturer Printer Model 1 Manufacturer Printer Model 2 Manufacturer Printer Model 3 Manufacturer Printer Model 4 Manufacturer Printer Model 5 Manufacturer Printer Model 6						
This driver is not digitally signed! <u>Tell me why driver signing is important</u>							
	OK Cancel						

Choose Keep existing driver (recommended) then click Next until you reach Completing the Add Printer Wizard.



#### Click Finish to complete the installation.

Add Printer Wizard	Completing the Add Printer Wizard				
You	You have successfully completed the Add Printer Wizard. You specified the following printer settings:				
Na	Name: Brother MFC-215C USB Printer				
Sha	Share name: BrotherM				
Por	test-prin	ter			
Mo	Model: Brother MFC-215C USB Printer				
Del	Default: Yes				
Tes	page: Yes				
Loc	tion:				
Cor	nent:				
То	ose this wizard, c	ick Finish.			
		Back Finish Cancel			

PRINTING A TEST PAGE AFTER INSTALLATION Open the Printers and Faxes page from Control Panel. Right click on the new printer and click on Properties. Click on the Print Test Page button on the Printer properties page, the test page will be printed on the network printer.

#### FOR WINDOWS VISTA

#### Click on the Start Button> Control Panel.

Click Printer under the Hardware and Sound category.



#### Click on Add a Printer.



#### Click on Add a local printer then click Next.



Select Create a new port, on the drop down box choose

Standard TCP/IP port then click Next.



Enter the Default Gateway IP address of your MOFI3500-

3GN Version 2 Rev 2 router 192.168.0.1 then click Next.

Type a printer host	name or IP address					
Device <u>t</u> ype:	TCP/IP Device					
lostname or IP <u>a</u> ddress:	192.168.0.1					
ort name:	192.168.0.1					
Query the printer and au	utomatically select the driver to use					
Query the printer and au Query the printer and au	itomatically select the driver to use					

#### **Under Additional Port Information Required window,**

select Custom then click Next.



Once the computer detects the printer on the Print Server, it will ask for the printer manufacturer and model, a list of printers will be shown, select the your printer from the list and click OK.



Select Use the driver that is currently installed then click Next.



To print a test page click on Print a test page on the confirmation screen, click Finish to complete the installation.



If Printing was unsuccessful right click on the Printer's

icon then select Properties.



# Under printer's Properties click Port Tab and tick the IP address (192.168.0.1) that was set on previous settings then click Apply.

Color Manageme	nt Sec	urity	Version Information			
General	Sharing	Ports	Advanced			
EPSON 1	X100 Series	ts will print to th	ne first free			
ort	Description	Prin	Printer			
COM3:	Serial Port					
COM4:	Serial Port					
FILE:	Print to File					
USB001	Virtual printer	Virtual printer port fo				
<b>192.168.0.1</b>	Standard TCF	P/IP Port EP:	SON TX100 Series			
XPSPort	Local Port III	Mic	msoft XPS Docume ▶			
Add Port		Port	<u>C</u> onfigure Port			
Enable bidirection Enable printer po	nal support oling					

**Note:** Scanning, Faxing and Photocopying functions on Multifunction printers are currently not supported on the MOFI3500-3GN Version 2 Rev 2, Print function is the only feature that will work on these printers type when connected to the MOFI3500-3GN Version 2 Rev 2.

#### **WAN** connection

On this section you can choose your Internet connection type from Static IP, PPPoE, PPP, PPTP, and DHCP.

1. Static IP

Select this Internet connection type if your ISP provides the IP addresses that are required to establish a connection.

- a.) IP Address Enter the IP address provides by your ISP.
- b.) Subnet Mask Enter the Subnet Mask provides by your ISP.
- c.) Default Gateway Enter the Default Gateway provides by you r ISP.
- d.) Primary DNS Enter the Primary DNS server IP address provides by your ISP.
- e.) Secondary DNS Enter the Secondary DNS server IP address provides by your ISP.
- 2. DHCP

Select this Internet connection type for your router to get an IP address from your ISP or the DHCP server.

- a.) Host name Some ISP requires the host name of your router. You can change the current hostname of your router.
- b.) MAC clone Some ISP requires that you register the MAC address of your computer. Tick the box to copy your PC's MAC address.
- c.) MAC Address This is the computer's MAC address that is running the router.
- 3. PPPoE

Select this Internet connection type if you're ISP provides you a username and password to establish a connection.

- a.) Username Enter the username provides by your ISP
- b.) Password Enter the password provides by your ISP

Note: Please contact your Internet Service Provider if you do not have this information.

## Wireless

By default, the wireless network name is: MOFINETWORK If you do not require to change this and do not want to set up a wireless password, you do not have to do anything else.

If you want to change the network name (ESSID) or add a wireless password, please do the following:

Log into the router by opening your web browser and putting in the address bar: <u>http://192.168.0.1</u> Click on Log On Click on the Network Tab  $\rightarrow$  Wifi

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192.168.0.1/cgi	-bin/luci/;stok=05c252f22c	.fdef46f5118786526dfe87/qu	ick/network/wifi/			<u>☆</u> (	C II Yahoo	٩
General USB	Wifi WPS D	DHCP Port Forwardir	ng PS3 Forwarding	Dynamic DNS Netwo	ork Shares UPNP	-	_	
Wifi								
Here you can co	onfigure installed wifi	i devices.						
Networks	FOOTD	BCOD	0kl	Dura to and		F		<b>6</b>
-	mofimain	-	11	Protocol	ар	pok	27 dBm	Scan
Devices								
enable								
Channel			11 (2	2.4 GHz)	-			
Local Netw	ork							
Network Nam	ie (ESSID)		mofir	nain				
Encryption/S	ecurily Type (WPA-F	PSK) is the most com	mon WP/	A-PSK				
Key (Wireless	s Password)		 			đ		
			🙆 Pa	isswords Must be betwee	n 8 and 63	-		
Enable WPS p	pushbutton, require	s WPA(2)-PSK	Enal	oled	<b>_</b>			
								🔕 Reset 🛛 😨 Save

The most popular encryption is WPA-PSK. It is recommended to select this and enter the password in the Key Field (minimum 8 characters)

Click on Save to save the changes

## XBox & Playstation 3 Optimized Settings:

For Xbox, make sure that the following is selected:

For XBox users,

Click on Advanced Mode on the top right

Click on the Services Tab

**Click on UPNP** 

For External interface, enter usb if you are using a stick or wan if you are using a Cable\DSL\Satellite connection Click on Save & Apply to save the changes

Everything else if fine and you should not need to do anything to optimized your xbox.

For Playstation Users, do the following:

1) On your playstation , go to the network connections and set the ip address to manual.

For the ip address, enter something like 192.168.0.150

The subnet mask is default as 255.255.255.0 The default router is 192.168.0.1 The primary dns server is 192.168.0.1

Once this is completed, do the auto settings for everything else

2) After everything is done, log into the router http:/192.168.0.1

username: root

password: admin

Now go to basic mode on top right then click on the

**Network Tab** 

**Click on PS3 Forwarding** 

Check the box to enable it

Select USB if you are using a stick and WAN if you are

using a Cable\Dsl\Satellite connection

Under Internal IP Address, select your ip address such as

192.168.0.150 that you set for your playstation. If it is not

there, reboot the playstation and router and it should show up. If not, check to make sure that your have set the correct settings in the playstation Click on Save to save the changed

3) Click on Advanced Mode on the top right
Click on the Services Tab
Click on UPNP
For External interface, enter usb if you are using a stick
or wan if you are using a Cable\DSL\Satellite connection
Click on Save & Apply to save the changes

After everything is saved, reboot the router and your playstation and you will still see Nat Type 3 if you are using a stick but now you will be able to chat and enter online game modes a lot better since the router will be optimized with your settings.

## How to forward ports:

Click on the basic mode --> Network Tab --> Port

Forwarding

Click on Add

For Name, enter what ever you want to call it

Select the Protocol you want to use

Enter the external port that you want to forward to

Select your ip address that your device you want to

forward to

Click on "Save"

## How to open ports in the router: These are the default port that are open by default WEB 80 SSH 22 HTTPS 443 RDP 3389 UDP 68

If you want to be use or open some of the uncommon ports to connect to your DVR or other devices from the outside, below is the instruction on how to open up ports.

Log into the router Click on Advanced Mode --> Network Tab --> Firewall Under Rules, click Add For the Name, put what ever you like to describe it Source Zone: Leave at WAN/USB Protocol: Select which one you want or "Any" if you are

#### not sure

Source Address: Leave it default "any" Destination Address: (this is where you would enter the port you would like to open) example 2100 Action: Leave default at "accept" Click "Save & Apply" to save the changes

Now the port is open in the router.

To actually use this, you may have to set a port forward rule

The easiest way is to upgrade to version 3.1 or later where has the port forwarding in the basic menu

Click on the basic mode --> Network Tab --> Port Forwarding Click on Add For Name, enter what ever you want to call it Select the Protocol you want to use Enter the external port that you want to forward to

## Select your ip address that your device you want to forward to Click on "Save"

## How to set a wireless bridge:

The first thing you need to know ahead of time is the wireless password of the device that you want to connect to if it has a security enable on it.

If you are using a hotspot device such as the MiFi units, the wireless password is printed on the inside cover of the unit.

Connect the router to your pc with the Ethernet cable in one of the 4 ports (not the WAN port)

Open your web browser such as internet explorer or Fire Fox (do not use any other browser to set up router, after it is set up, you can use any browser to surf)

Log into the router,

http://192.168.0.1

username: root

password: admin

 If your hotspot or other router that you want to get the internet from has as the ip address range of 192.168.0.something, then you need to do the following 2 steps, if not go to step 3.

Note that most devices such as the wifi hotspot do not have this address so most likely you can skip this. Go to "Network -> Interfaces -> LAN" and and set the IP address subnet to something other than the ip range of the origin router.

(example, if the original router is 192.168.0.1, then you have to change the setting on this router such as to 192.168.1.1, but both router cannot have same ip address)

2. If you had to change the router ip address, Select the "Save and Apply" button. Since you just changed the IP of the router, you will need to re-connect your PC to the router (DHCP). Close your browser and wait for a few mins then reopen browser again.

You can also speed this up by taking out the network jack at back of the router and put it in another one of the 4 ports. Else worst case, just reboot your pc.

After your PC has received a new IP address, enter the router's new IP address in your web browser and re-login to the router using the new ip you selected.

If you changed the router ip for example to 192.168.1.1, then you need to enter this in order to log into the router. If you make a mistake and loose connection to the router, you can reset the router by hold down the reset button in the back (next to the USB port) for 10 seconds while the power is on the router. After you release the button, the router will reset back to the default address 192.168.0.1

3. Go to "Network -> Wifi" and select "Find and Join Network" (icon with magnifying glass on far right). This scans for available SSIDs (wireless networks) 4. Find the network you wish to join (repeat scan if necessary) and select the "Join Network" button (this starts the Join Network wizard).

5. Enter the wireless encryption key (WPA passphrase,
WEP key, etc) of the network you are joining.
Leave the other fields at the default settings (network = wwan, firewall-zone = wan) and select the "Submit"
button. Then click on "Save & Apply" and wait for to save.

6. Note that some changes have not been applied yet, but the configuration has been setup accordingly ("Unsaved Changes: xx").

It may ask you to log in, just click on log on. Select the "Save and Apply" button and wait a few seconds for changes to apply (note the "Applying Changes" box). Changes should reflect zero ("Changes: 0"). At this point your wireless bridge should be setup. The WLAN LED should be on. Go to "Network -> Interfaces" and make sure the "wwan" interface has an IPV4 address (this should be in the same subnet as the original router). Your computer should now have internet access via the wireless bridge.

You can use this for example to supply internet to multiple devices connected to the Ethernet port and this is a great way if you want for example to connect your DVD Player, TV, or other device to the internet without having to run network cables in your living room.

## How to do a firmware upgrade:

#### Go to www.mofinetwork.com

Click the support then download section to get the latest firmware

Save the firmware file to your desktop To do the firmware update, you must connect to the router with a network cable from your pc to the router. Take out the 3G\4G\LTE stick from the back of the router

#### You cannot do this update on wireless

1) Take the stick out of your router

2) Power on router and connect to port 1 on the back of the router

3) Connect the network cable to your pc (you cannot do the update via wireless, must use network cable)Disconnect your wireless network if you are connected to one,

4) After router is completed booting up (takes approx 60 seconds), open up your internet explorer or firefox (do not use Google Chrome)

5) In the address bar, enter <u>http://192.168.0.1</u> username: root password: admin

6) Click on System Tab on top or if you are in basic mode, click on advance or administrative mode and then click on the system tab

7) Click on Flash Firmware Tab

8) Uncheck "Keep configuration files" and click on Browse...

9) Locate the file that you saved and click on Open

10) Click on "Upload image"You should see the file size as well as a checksumVerify that the file size and checksum is correct from what you get when you downloaded the latest firmware off the Mofi's site.

11) Click "Proceed" to start the update process

Your router should now be updated and will take approx 10 mins to be completed. Do not take the power off the router or close your browser while the update is being done or you may lock up your router and will have to send it to us for us to get it back in operational mode.

If you see the first light start flashing on the router "Boot Status", then the update is done and wait for it to be solid.

If for some reason you missed this and want to see if update is completed, click on the Status Tab and wait for it to load. Remember it will take approx 10 mins to be completed.

Once the new firmware is updated, you may need to reapply your previous settings.

Your router is equip with a special function to recover if you take off the power too early or something goes wrong while doing the update.

Visit mofinetwork.com or www.dummyhelp.com for instructions on how to recover if you unit does not boot up.

#### How to Remote Login into the Router:

Remote Login is enabled by default.

However, if you are using a 3G\4G\LTE stick and have not paid or added a public ip option to your account, you cannot get direct access to the router as the NAT will not let you do this,

If you have a security camera system for example and want to log in directly, you will need to contact you provider and get a public ip option.

For Rogers and Telus in Canada, you can them for this and they change \$5 extra per month.

Telus calls it a VPN options bundle and Rogers calls it a Public IP Access.

We were unable to get this option from Mobilicity or Windmobile.

One you get this option, you will have to put in the VPN apn in the router.

For Rogers customers, this is vpn.com

For Telus customers, then is vpn.telus.com

This can be entered by going in network tab, then usb tab and put it under the APN (Access Point Name)

How to change the default port 80 for remote access to the router:

- By default, the router is set to receive on port 80
- If you want to change this, log into the router and go into basic mode
- Go to Network Tab then Web Sever
- You will be able to change the default settings there.

## **Regulatory Compliance Notices**

## FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15, 22 and 24 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 or more 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 or television technician for help.

**Modifications** 

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by MoFiNetwork could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules.

This device complies with Part 15 of the FCC rules.

**Operation is subject to the following two conditions:** 

This device may not cause harmful interference, and

This device must accept any interference received,

including interference that may cause undesired

operation.

Exposure Information to Radio Frequency Energy This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

## European Regulations The product has been designed, tested and manufactured

according to the European R&TTE directive 1999/5/EC.

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