

D-Link DIR-655 Firmware Upgrade

We ask that you take the time to upgrade to firmware on your D-Link router. This will help ensure a smooth transition while operating over IPv6. To upgrade the firmware on D-Link router, you must first setup the router and connect it to your online cable modem. You will then login to the routers web UI and perform the firmware upgrade.

NOTE: You must have a machine connected to the WIRED LAN port of the router to perform this upgrade. Do not attempt to upgrade the firmware over the wireless interface.

Be sure that you power-cycle your cable modem after disconnecting your old router. Plug the modem into your D-Link DIR-655 before turning it on. Follow the steps below to upgrade the firmware.

- 1) First you must download the latest firmware version from the D-Link website. You can find the latest version by navigating to the link below

http://www.dlink.com/products/?tab=3&pid=DIR-655&rev=DIR-655_revB

The screenshot shows the D-Link website product page for the DIR-655 XTREME N GIGABIT ROUTER. The page features a navigation bar with categories like Home & Home Office, Small & Medium Business, Large Business, Government & Education, Support, and Company & Press. The main content area displays the router image, a quote from Club Overclocker, and a 'Support Resources' sidebar with links to Product Manual, Register Product, Firmware, Emulator, Additional Downloads, Warranty (PDF), FAQ, Intelligent Chat, Knowledgebase, GPL, Contact Info, and Forum (beta). A 'Firmware' section contains a warning: 'Do NOT upgrade firmware on any D-Link product over a wireless connection. Failure of the device may result. Use only hard-wired network connections.' Below this is an 'Attention' box stating: 'This firmware is engineered for North American products only. Using this firmware on a device outside of North America will void your warranty and may render the device unusable.' At the bottom, there are links for 'Add to Cart' (\$89.99), 'Refurbished' (\$74.99), 'Find Retailers', 'Product Demo', 'View TV Episode', and 'Product Selector'. The footer includes social media links, copyright information, and terms of use.

- 2) Click on "United States" if prompted and then click on "DIR-655RevB"
- 3) Click on the "Firmware" Link on the page and then download the latest version of the firmware. It will download as a .zip file. Note where the download is saved.

Product Page: DIR-655

Hardware Version: B1 Firmware Version: 2.08NA

- 4) Navigate to that download location and extract the files from the .zip image.
- 5) Open a web browser and navigate to the gateway address: 192.168.0.1
- 6) The default password will be blank. Click on Log in

Product Page: DIR-655

Hardware Version: B1 Firmware Version: 2.08NA

D-Link

WIRELESS

LOGIN

Log in to the router

User Name : Admin

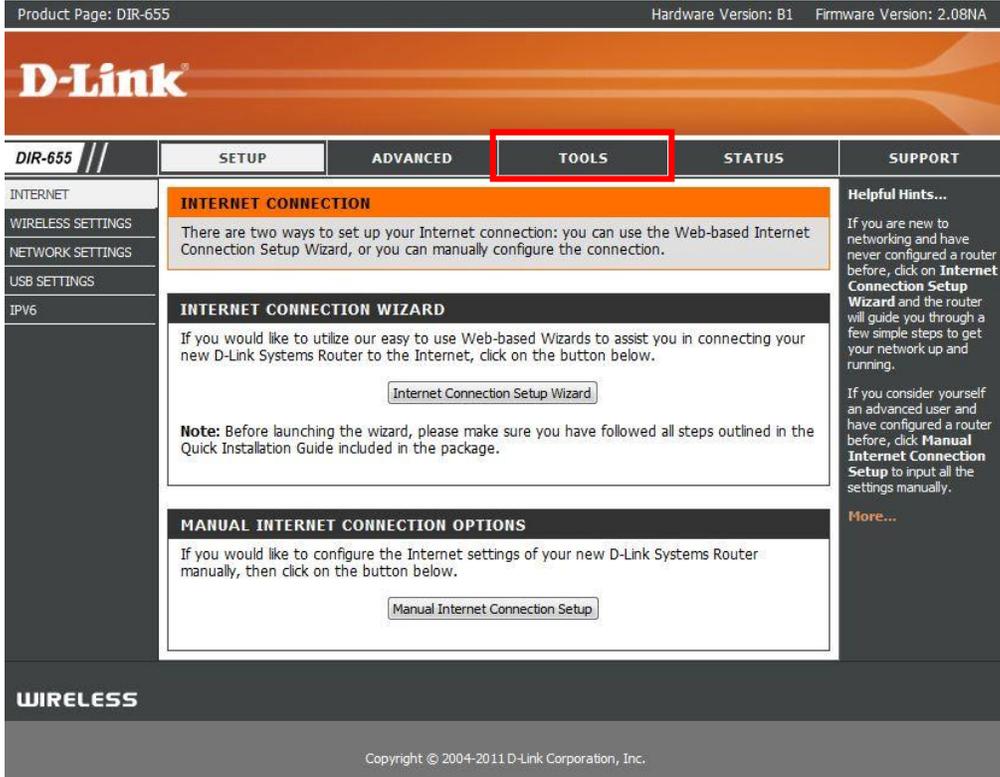
Password :

Log In

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7) Now you will be at the landing page. Click on the "Tools" tab.

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.08NA



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DIR-655 // SETUP ADVANCED **TOOLS** STATUS SUPPORT

INTERNET CONNECTION

There are two ways to set up your Internet connection: you can use the Web-based Internet Connection Setup Wizard, or you can manually configure the connection.

INTERNET CONNECTION WIZARD

If you would like to utilize our easy to use Web-based Wizards to assist you in connecting your new D-Link Systems Router to the Internet, click on the button below.

Note: Before launching the wizard, please make sure you have followed all steps outlined in the Quick Installation Guide included in the package.

MANUAL INTERNET CONNECTION OPTIONS

If you would like to configure the Internet settings of your new D-Link Systems Router manually, then click on the button below.

Helpful Hints...

If you are new to networking and have never configured a router before, click on **Internet Connection Setup Wizard** and the router will guide you through a few simple steps to get your network up and running.

If you consider yourself an advanced user and have configured a router before, click **Manual Internet Connection Setup** to input all the settings manually.

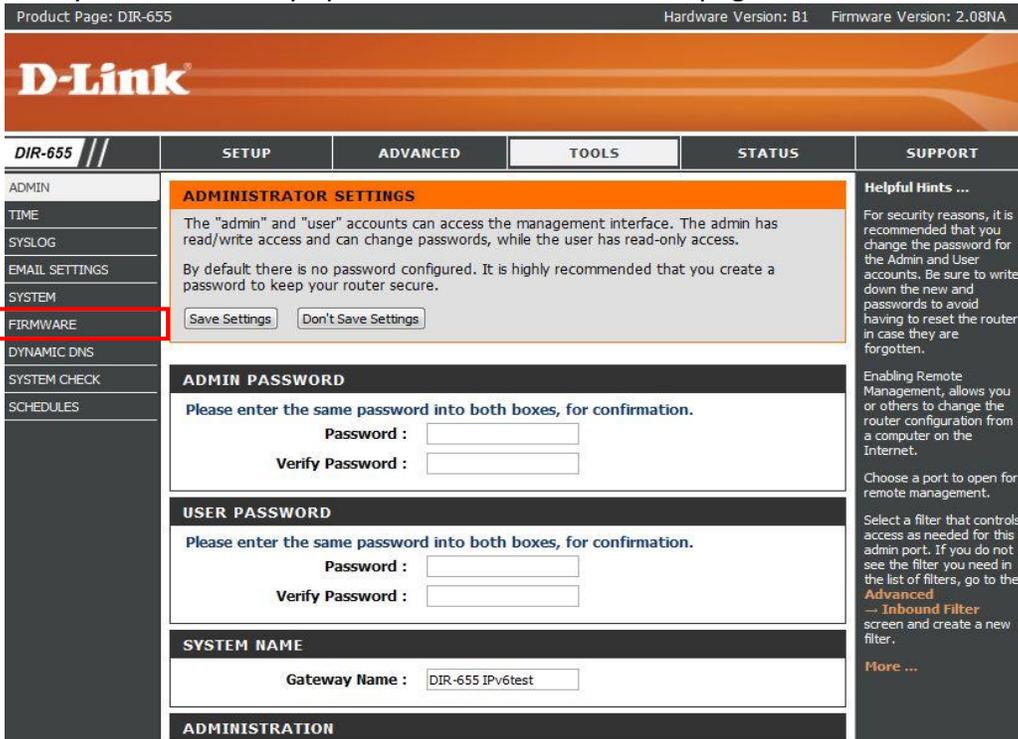
[More...](#)

WIRELESS

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8) Now you will see many options on the left side of the page. Click "Firmware"

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.08NA



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DIR-655 // SETUP ADVANCED TOOLS STATUS SUPPORT

ADMINISTRATOR SETTINGS

The "admin" and "user" accounts can access the management interface. The admin has read/write access and can change passwords, while the user has read-only access.

By default there is no password configured. It is highly recommended that you create a password to keep your router secure.

ADMIN PASSWORD

Please enter the same password into both boxes, for confirmation.

Password :

Verify Password :

USER PASSWORD

Please enter the same password into both boxes, for confirmation.

Password :

Verify Password :

SYSTEM NAME

Gateway Name :

ADMINISTRATION

Helpful Hints ...

For security reasons, it is recommended that you change the password for the Admin and User accounts. Be sure to write down the new and passwords to avoid having to reset the router in case they are forgotten.

Enabling Remote Management, allows you or others to change the router configuration from a computer on the Internet.

Choose a port to open for remote management.

Select a filter that controls access as needed for this admin port. If you do not see the filter you need in the list of filters, go to the **Advanced** → **Inbound Filter** screen and create a new filter.

[More ...](#)

ADMIN

TIME

SYSLOG

EMAIL SETTINGS

SYSTEM

FIRMWARE

DYNAMIC DNS

SYSTEM CHECK

SCHEDULES

9) Once on the Firmware page, click on the “Choose File” button.

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.03NA

The screenshot shows the D-Link DIR-655 web interface. At the top, it displays 'Product Page: DIR-655', 'Hardware Version: B1', and 'Firmware Version: 2.03NA'. The D-Link logo is prominently displayed. Below the logo is a navigation menu with tabs for 'DIR-655', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'TOOLS' tab is selected, and the 'FIRMWARE' sub-tab is active. The main content area is divided into three sections: 1. 'FIRMWARE' with a general notice about updates. 2. 'FIRMWARE INFORMATION' showing 'Current Firmware Version : 2.03NA' and 'Current Firmware Date : 27, Jun, 2011', with a 'Check Now' button. 3. 'FIRMWARE UPGRADE' with a note that some upgrades reset configurations and instructions on how to upgrade. At the bottom of this section, there is a 'Choose File' button (highlighted with a red box) and an 'Upload' button (also highlighted with a red box). A sidebar on the right contains 'Helpful Hints...' and a 'More...' link.

10) It will open up an explorer window. Navigate to where you extracted the firmware files and select the .bin file.

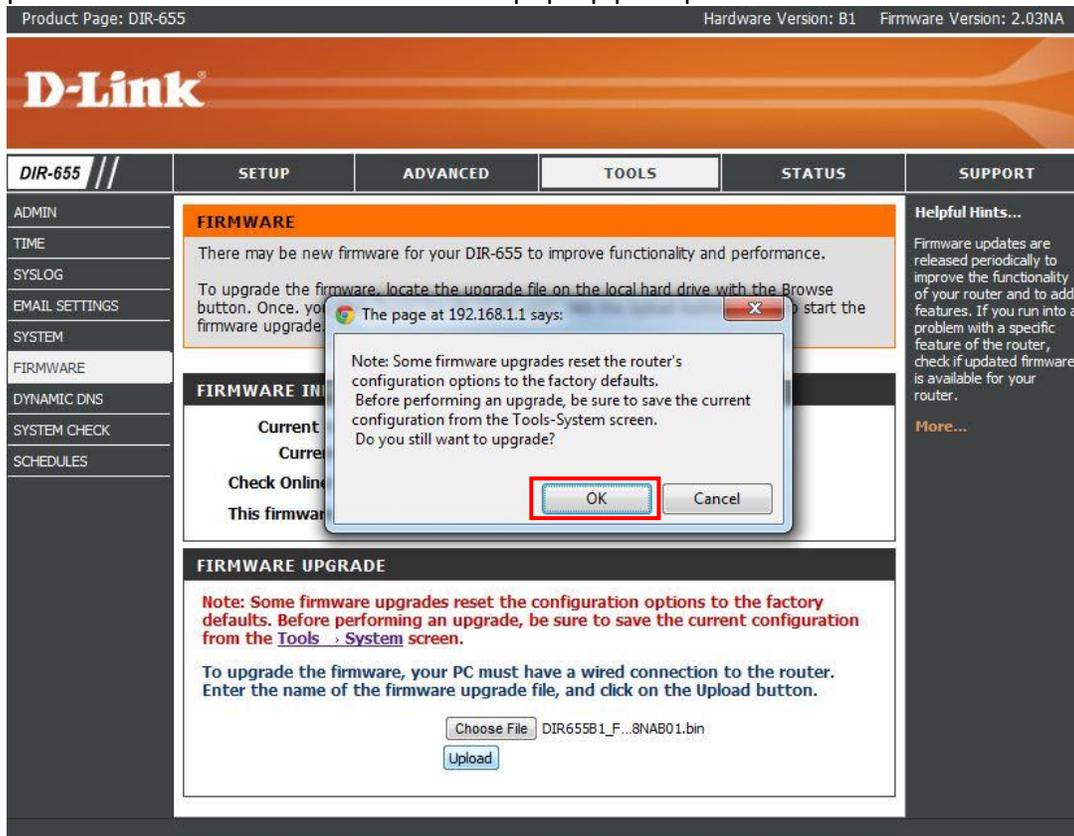
The screenshot shows a Windows Explorer window titled 'Open'. The address bar shows the path 'Computer > PNY 16GB (E:) > DIR655B1_FW208NAB01'. The main pane displays a table of files:

Name	Date modified	Type	Size
DIR655B1_FW208NAB01.bin	3/5/2012 10:11 AM	BIN File	6,657 KB

The file 'DIR655B1_FW208NAB01.bin' is selected and highlighted with a red box. The 'File name' field at the bottom shows 'DIR655B1_FW208NAB01.bin' and the file type is set to 'All Files'. The 'Open' button is visible at the bottom right.

- 11) Once you have selected the file, click on "Upload" to begin the firmware upgrade process. You be asked to confirm two pop-up prompts. Click "OK" for both of them.

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.03NA



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DIR-655 // SETUP ADVANCED **TOOLS** STATUS SUPPORT

ADMIN
TIME
SYSLOG
EMAIL SETTINGS
SYSTEM
FIRMWARE
DYNAMIC DNS
SYSTEM CHECK
SCHEDULES

FIRMWARE

There may be new firmware for your DIR-655 to improve functionality and performance.

To upgrade the firmware, locate the upgrade file on the local hard drive with the Browse button. Once you have selected the file, click on the Upload button to start the firmware upgrade process.

The page at 192.168.1.1 says:

Note: Some firmware upgrades reset the router's configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration from the Tools-System screen. Do you still want to upgrade?

OK Cancel

FIRMWARE IN

Current
Current
Check Online
This firmwar

FIRMWARE UPGRADE

Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration from the Tools > System screen.

To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button.

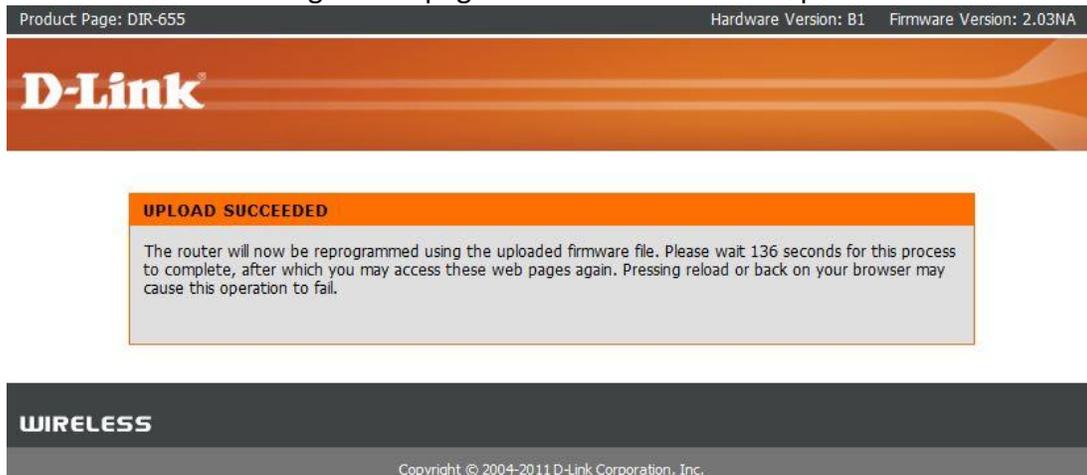
Choose File DIR655B1_F...8NAB01.bin

Upload

Helpful Hints...
Firmware updates are released periodically to improve the functionality of your router and to add features. If you run into a problem with a specific feature of the router, check if updated firmware is available for your router.
More...

- 12) The firmware update process will begin and you will be directed a page where you will wait for the update to complete. Once this timer counts down to zero, you will then be able to access the configuration page and the device will be updated.

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.03NA



D-Link

UPLOAD SUCCEEDED

The router will now be reprogrammed using the uploaded firmware file. Please wait 136 seconds for this process to complete, after which you may access these web pages again. Pressing reload or back on your browser may cause this operation to fail.

WIRELESS

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Enabling IPv6 on the D-Link DIR-655

Now that we have upgraded the firmware to the latest version, you will want to follow the steps below to ensure IPv6 is enabled and working on your DIR-655. You will configure the device using the web UI just like you did to update the firmware.

Follow the steps below to enable IPv6:

- 1) Open a web browser and navigate to the gateway address: 192.168.0.1
- 2) The default password will be blank. Click on Log in

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.08NA



LOGIN

Log in to the router

User Name : Admin ▾

Password :

WIRELESS

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- 3) Now you will be at the landing page. Click on the “IPv6” option on the left side.

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.08NA

The screenshot shows the D-Link DIR-655 web interface. At the top, it displays 'Product Page: DIR-655', 'Hardware Version: B1', and 'Firmware Version: 2.08NA'. Below this is the D-Link logo. A navigation bar contains 'DIR-655 //', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. On the left, a sidebar lists 'INTERNET', 'WIRELESS SETTINGS', 'NETWORK SETTINGS', 'USB SETTINGS', and 'IPv6' (highlighted with a red box). The main content area is titled 'INTERNET CONNECTION' and contains three sections: 'INTERNET CONNECTION WIZARD' with a 'Internet Connection Setup Wizard' button, 'MANUAL INTERNET CONNECTION OPTIONS' with a 'Manual Internet Connection Setup' button, and 'Helpful Hints...' on the right. The footer shows 'WIRELESS' and 'Copyright © 2004-2011 D-Link Corporation, Inc.'

- 4) Click on the “Manual IPv6 Internet Connection Setup” button.

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.08NA

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- 5) Click the drop down next to "My IPv6 Connection is:" and choose "Autoconfiguration (Stateless/DHCPv6)".

Product Page: DIR-655 Hardware Version: B1 Firmware Version: 2.08NA

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DIR-655 // SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET
WIRELESS SETTINGS
NETWORK SETTINGS
USB SETTINGS
IPv6

IPv6

Use this section to configure your IPv6 Connection type. If you are unsure of your connection method, please contact your Internet Service Provider.

Save Settings Don't Save Settings

IPv6 CONNECTION TYPE

Choose the mode to be used by the router to the IPv6 Internet.

My IPv6 Connection is : Autoconfiguration (SLAAC/DHCPv6)

IPv6 DNS SETTINGS

Obtain a DNS server address automatically or enter a specific DNS server address.

Obtain a DNS server address automatically
 Use the following DNS address

Primary IPv6 DNS Server :
Secondary IPv6 DNS Server :

LAN IPv6 ADDRESS SETTINGS

Use this section to configure the internal network settings of your router. If you change the LAN IPv6 Address here, you may need to adjust your PC network settings to access the network again.

Enable DHCP-PD :

LAN IPv6 Address : /64
LAN IPv6 Link-Local Address : FE80::5ED9:98FF:FE5F:648A/64

Helpful Hints...

When configuring the router to access the IPv6 Internet, be sure to choose the correct IPv6 Connection Type from the drop down menu. If you are unsure of which option to choose, contact your Internet Service Provider (ISP).

If you are having trouble accessing the IPv6 Internet through the router, double check any settings you have entered on this page and verify them with your ISP if needed.

More...

- 6) Click "Save Settings"

(Please note, once you hit save settings on step 6, you'll go to a screen with a countdown where the router will reboot to make the needed changes. Once the router fully restores, it will bring you back to the same window you were in before).

The settings should now be saved and the router will need to restart to apply the configuration. You should now have IPv6 enabled on your home router.

Security

Once you have configured IPv6 on your device, we recommend that you secure your wireless network. Follow the simple steps below to complete this task.

- 1) Click on “Setup”, and then click “Wireless Settings” on the left hand side.

The screenshot shows the D-Link DIR-655 web interface. At the top, it displays 'Product Page: DIR-655', 'Hardware Version: B1', and 'Firmware Version: 2.08NA'. The D-Link logo is prominently displayed. Below the logo is a navigation bar with tabs for 'DIR-655', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'SETUP' tab is selected. On the left side, there is a sidebar menu with options: 'INTERNET', 'WIRELESS SETTINGS' (highlighted with a red box), 'NETWORK SETTINGS', 'USB SETTINGS', and 'IPV6'. The main content area is titled 'INTERNET CONNECTION' and contains the following sections:

- INTERNET CONNECTION**: A text box stating, 'There are two ways to set up your Internet connection: you can use the Web-based Internet Connection Setup Wizard, or you can manually configure the connection.'
- INTERNET CONNECTION WIZARD**: A text box stating, 'If you would like to utilize our easy to use Web-based Wizards to assist you in connecting your new D-Link Systems Router to the Internet, click on the button below.' Below this text is a button labeled 'Internet Connection Setup Wizard'.
- MANUAL INTERNET CONNECTION OPTIONS**: A text box stating, 'If you would like to configure the Internet settings of your new D-Link Systems Router manually, then click on the button below.' Below this text is a button labeled 'Manual Internet Connection Setup'.

On the right side of the main content area, there is a 'Helpful Hints...' section with two paragraphs of text and a 'More...' link. The bottom of the page features a 'WIRELESS' section header and a copyright notice: 'Copyright © 2004-2011 D-Link Corporation, Inc.'

2) Click on “Manual Wireless Connection Setup”

The screenshot shows the 'WIRELESS SETTINGS' page of a D-Link DIR-655 router. The page is divided into several sections:

- WIRELESS SETTINGS:** Contains introductory text about web-based wizards and a note to follow the Quick Installation Guide.
- WIRELESS NETWORK SETUP WIZARD:** Provides step-by-step instructions for setting up a wireless network. A button labeled 'Wireless Connection Setup Wizard' is present.
- ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD:** Provides instructions for connecting a wireless device. A button labeled 'Add Wireless Device with WPS' is present.
- MANUAL WIRELESS NETWORK SETUP:** Explains that manual configuration will destroy an existing network. A button labeled 'Manual Wireless Connection Setup' is highlighted with a red box.

On the right side, there is a 'Helpful Hints...' section with additional advice for new and advanced users, and a 'More...' link.

3) Change your Wireless Network Name, and change the Security Mode. We recommend WPA-Personal.

The screenshot shows the 'WIRELESS NETWORK SETTINGS' page of a D-Link DIR-655 router. The page includes the following configuration options:

- Enable Wireless:** Always (dropdown) [New Schedule]
- Wireless Network Name:** DIR655 v2 (Also called the SSID)
- 802.11 Mode:** Mixed 802.11n and 802.11g (dropdown)
- Enable Auto Channel Scan:**
- Wireless Channel:** 2.412 GHz - CH 1 (dropdown)
- Transmission Rate:** Best (automatic) (dropdown)
- Channel Width:** 20 MHz (dropdown)
- Visibility Status:** Visible Invisible

Below these settings is the **WIRELESS SECURITY MODE** section:

- Security Mode:** WPA-Personal (dropdown)

On the right side, there is a 'Helpful Hints...' section with instructions on changing the network name, enabling auto channel scan, hidden mode, and security mode.

4) Click "Save Settings"

You have now secured your wireless network. You may also change the administrator password for the DIR-655 by navigating to the "Tools" tab and changing the ADMIN password.



Additional Information

IPv6 Contact Support: comcast-ipv6@cable.comcast.com

IPv6 Website: <http://www.comcast6.net>

In order to successfully operate IPv6 on your device, we recommend the following Operating Systems:

Windows 7 (All Builds)

Windows Vista (All Builds)

Mac OS X 10.3 and higher

