

# My Net<sup>™</sup> AC Wi-Fi Bridge

**User Manual** 

## **WD® Service and Support**

Should you encounter a problem, please give us an opportunity to address it before returning this product. Most technical support questions can be answered through our knowledge base or e-mail support service at <a href="http://support.wdc.com">http://support.wdc.com</a>. If the answer is not available or, if you prefer, please contact WD at the best telephone number shown below.

Your product includes 30 days of free telephone support during the warranty period. This 30-day period starts on the date of your first telephone contact with WD technical support. E-mail support is free for the entire warranty period and our extensive knowledge base is available 24/7. To help us keep you informed of new features and services, remember to register your product online at <a href="http://register.wdc.com">http://register.wdc.com</a>.

## **Accessing Online Support**

Visit our product support website at <a href="http://support.wdc.com">http://support.wdc.com</a> and choose from these topics:

- Downloads Download drivers, software, and updates for your WD product.
- Registration Register your WD product to get the latest updates and special offers.
- Warranty & RMA Services Get Warranty, Product Replacement (RMA), RMA Status, and Data Recovery Information.
- **Knowledge Base** Search by keyword, phrase, or answer ID.
- **Installation** Get online installation help for your WD product or software.
- WD Community Share your thoughts and connect with other users.

## Contacting WD Technical Support

When contacting WD for support, have your WD product serial number, system hardware, and system software versions available.

North America	Asia Pacific		
English	855-842-5370	Australia	1 800 42 9861
		China	800 820 6682/+65 62430496
Spanish	800.832.4778	Hong Kong	+800 6008 6008
		India	1 800 11 9393 (MNTL)/1 800 200 5789 (Reliance) 011 26384700 (Pilot Line)
Europe (toll free)*	00800 ASK4 WDEU	Indonesia	+803 852 9439
	(00800 27549338)	Japan	00 531 650442
		Korea	02 703 6550
Europe	+31 880062100	Malaysia	+800 6008 6008/1 800 88 1908/+65 62430496
Middle East	+31 880062100	Philippines	1 800 1441 0159
Africa	+31 880062100	Singapore	+800 6008 6008/+800 608 6008/+65 62430496
		Taiwan	+800 6008 6008/+65 62430496

<sup>\*</sup> Toll free number available in the following countries: Austria, Belgium, Denmark, France, Germany, Ireland, Italy, Netherlands, Norway, Spain, Sweden, Switzerland, United Kingdom.

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	GNU General Public License ("GPL")



# Important User Information

## **Important Safety Instructions**

This device is designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated into this unit will protect you if you observe the following instructions for installation, use, and servicing.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Carefully read and follow the Quick Install Guide and User Manual.
- Do not operate this device outside the temperature range of 5°C–35°C (41°F–95°F).
- Do not drop or shake the device.
- Do not move the device when it is powered on.
- Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon them or against them.
- Do not overload wall outlets.

For additional safety information, refer to www.wdc.com.

## **Recording Your WD Product Information**

In the following table, write the serial and model numbers of your new WD product. You can find this information on the label on the bottom of the device. You should also note the date of purchase. This information may be required when requesting technical support.

Serial Number:	
Model Number:	
Purchase Date:	
System and Software Notes:	

# **Registering Your WD Product**

Your WD product includes 30 days of free technical support during the applicable warranty period for your product. The 30-day period commences on the date of your first telephone contact with WD technical support. Register your WD product online at <a href="http://register.wdc.com">http://register.wdc.com</a>.



# **Product Overview**

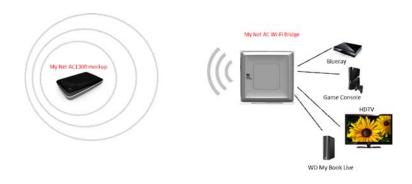
Thank you for purchasing the My Net<sup>™</sup> AC Wi-Fi Bridge. This user manual provides step-by-step instructions for installing and using your new bridge. For the latest WD product information and news, visit our website at <a href="https://www.wdc.com">www.wdc.com</a>.

This chapter contains the following topics:

Features
Package Contents
Components

# Introduction

The My Net™ AC Wi-Fi Bridge provides an Ethernet connection to remote devices via a wireless connection.



### **Features**

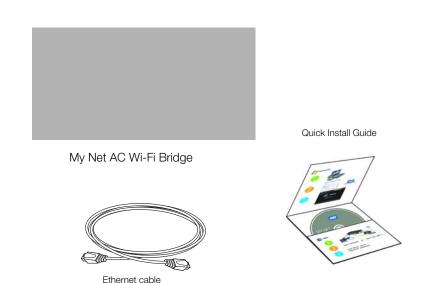
The outstanding features of the My Net AC Wi-Fi Bridge are described below.

Note: For detailed technical specifications, see Appendix A.

## **Package Contents**

In addition to your My Net AC Wi-Fi Bridge, the package contains:

- Network (Ethernet) cable
- AC Power adapter
- Quick Install Guide



### Accessories

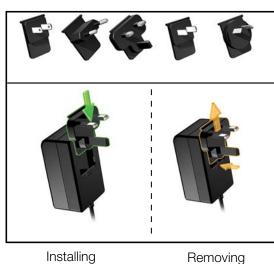
For U.S. residents, visit <u>www.shopwd.com</u> to view additional accessories available for your My Net AC Wi-Fi Bridge. For users outside the U.S., visit <u>http://support.wdc.com</u>.

# **AC Power Adapters**

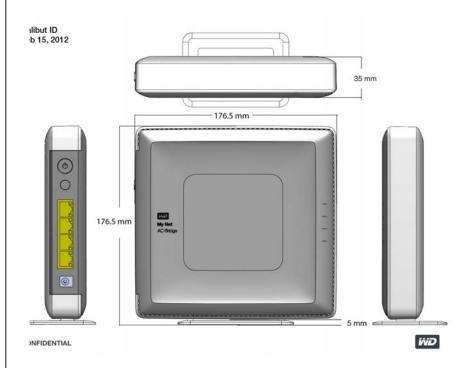
AC power adapter

The AC power adapter varies, depending on your location. Some locations do not require a power plug clip. Units sold in those locations have a fixed power plug. Refer to the illustrations below.





# Components



Front Panel

## **Front LED indicators**

LED	Description	
Power	Steady when the bridge is powered on and operational; flashes slowly during <b>boot-up</b> , firmware upgrades, and system self-tests.	
Wireless	Lit when wireless connection is active.	
Wi-Fi Protected Setup (WPS)	When connecting the bridge and a wireless device (e.g., a printer) that you want to add to the network, the LED indicates the status of WPS:	
	When WPS is connecting a network device, the light blinks slowly.	
	If an error occurs during setup, the light blinks quickly.	
	After setup, light is solid when WPS is active.	

# Side Panel

## **Side components**

Button	Description
Power button	Use the included AC power adapter to connect this port to the power source.
WPS (Wi-Fi Protected Setup) button	Enables you to configure Wi-Fi security on WPS-enabled devices.
Ethernet (LAN) or Internet ports	Use an Ethernet (network) cable to connect wired network devices to these ports.
Power port	Use the included AC power adapter to connect this port to the power source.

### **Port LED indicators**

Component	LED	Description
Ethernet port	Link LED (Green)	Steady on when a cable connects the port to another Ethernet port.
	Activity LED (Yellow)	Blinks to indicate network activity of that Ethernet port.

# Back (not shown)

Component	Description
Reset button	<b>Press and release</b> —Resets the bridge to factory defaults. When the reset finishes, the Power LED blinks.



# **Getting Started**

This chapter contains the following topics:

Setting up the Bridge with a WPS-Enabled Router Setting up Your bridge Manually

# Setting up the Bridge with a WPS-Enabled Router

You have two options for setting up the bridge. If your router is WPS enabled, follow steps 1 and 2 below. If your router is not WPS enabled or you are experiencing interference problems, go to "Setting up Your bridge Manually" on page 10.

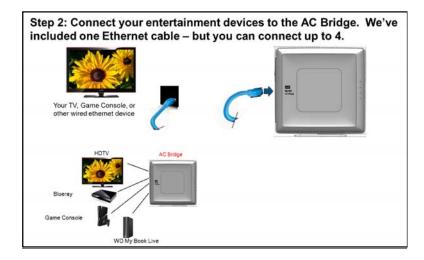
### Step 1: Connect the bridge to Your Router

- 1. Connect the bridge to a power source and press the **Power** button.
- 2. Press the Wi-Fi Protected Setup button (sometimes labeled **WPS**) on your router and the **WPS** button on the bridge within two minutes.

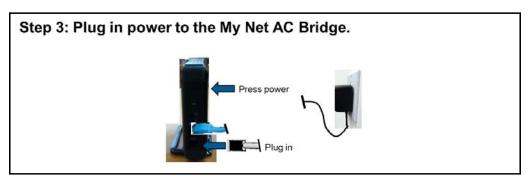
Note: If your router does not support WPS, see "Setting up Your bridge Manually" on page 10.

The Connection light is blue when the router and the bridge are connected.

# Step 2:



# Step 3:



# Step 4:

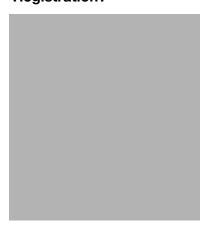


### Opening My Dashboard

At this point you can configure the bridge.

1. Launch a web browser.

2. Enter <a href="http://WDbridge?">http://192.16???230</a> in the address field. The Welcome screen displays: Does it go through the whole thing with Setup Complete and Registration?



## **Setting up Your bridge Manually**

There are cases where you may need to set up the bridge manually, for example when:

- Wi-Fi Protected Setup (WPS) is disabled, or the router does not support WPS.
- Some interference is preventing WPS from working.

# How To Setup My Net AC Bridge Manually

If your My Net AC Bridge has not be previously setup; then configure using a wireless laptop or a PC.

#### Connect to Extender

Plug an Ethernet cable from My Net AC Bridge to a PC/laptop

OR

Wirelessly connect using your laptop to Network Name: WDBridge <This is an OPEN network – no security>







### Launch a web browser

You will be automatically directed to the Extender's web page

### Follow instructions on the web page

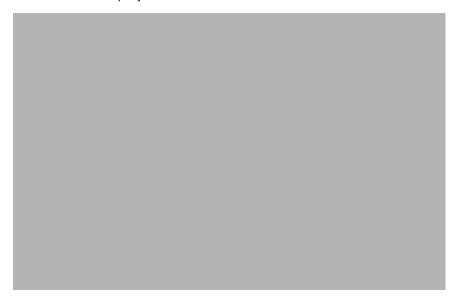
We will guide you on how to get connected.

- 1. Connect the bridge using one of the following methods:
  - Connect an Ethernet cable from the bridge to a desktop or laptop computer.
  - Wirelessly connect to the bridge using your wireless-enabled computer. The Network Name is **WDbridge**.
  - Make a wired connection between your router and the bridge.

2. Launch a web browser. The bridge's My Dashboard Welcome page displays automatically.



- 3. Select a language in the upper right corner (defaults to English) and make sure that **Mode** displays **bridge** (the default value).
- 4. Click **Next** to display the Select an available network screen.



- 5. You have three options:
  - Select an available Network Name and click Connect.
  - Double-click a **Network Name** or its row to populate it. The Secure Network Connection page displays. Continue to the next step.
  - In the **Use another network** field, enter the name of an additional network, and then click **Connect**. The Secure Network Connection page displays. Continue to the next step.
- 6. On the Secure Network Connection **Password** page, you have two options: **NEED GRAPHIC**

### Option #1- When WPS is not enabled on the router

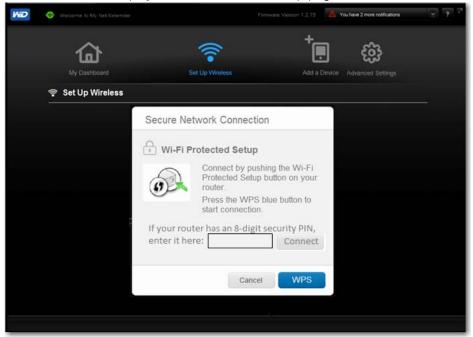
a. Enter the network password (default?) and press **Enter.** The Setup Wireless page displays the progress of the connection. The Setup Complete screen displays.

b. Continue to step 7.

### Option #2- When WPS is enabled on the router NEED GRAPHICS



a. Click **Use WPS** to display the Wi-Fi Protected Setup page.



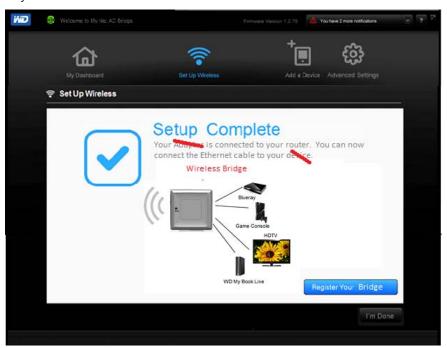
- b. Press both the **WPS** button on the bridge or the virtual **WPS** button on the screen and the **WPS** button on the router,
  - -OR-

Enter the router's PIN.

c. Click **WPS** to display the progress of the connection.

The Setup Complete page displays. The bridge is now connected to the router

### wirelessly.



- 7. To register your bridge, on the Setup Complete screen, click **Register Your bridge** and complete the registration information requested on the Registration screen. DO YOU RETURN TO THIS SCREEN TO ADD A NEW DEVICE?
- 8. To add a new device to your network, click the **Add a New Device to My Network** link and continue with "Adding a Wireless Device to Your Network." on page 19. IF THEY DO THIS BEFORE REGISTERING, CAN THEY GO BACK AND REGISTER. IF THEY REGISTER FIRST, DO THEY EVER SEE THIS LINK AGAIN?



# Configuring Basic Settings

This chapter contains the following topics:

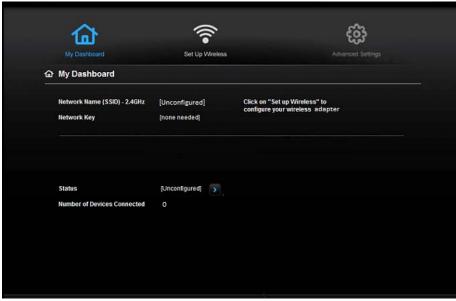
Opening My Dashboard After Setup Configuring Wireless Settings Configuring Advanced Settings

# **Opening My Dashboard After Setup**

To open the My Net AC Wi-Fi Bridge dashboard after initial configuration:

1. Enter http://WDBridge? or http://192.168.???? in the address field of your browser. The login or Welcome? screen displays:

2. Enter the bridge's username (default value is **admin**) and password (default value is lowercase **password**) and click **Submit**. The My Dashboard home screen displays:



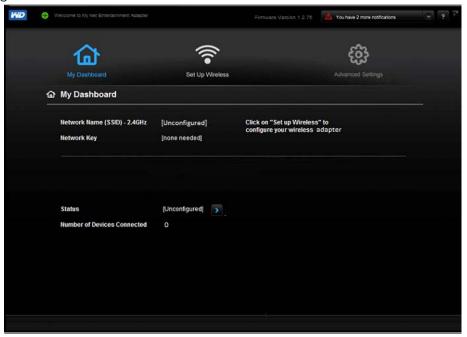
Should say My Net AC Wi-Fi Bridge on the screen

The icons at the top of the screen open modules and wizards for performing important tasks. The red **Alert** icon at the upper right of the screen displays notices concerning the bridge.

Icon	Name	Actions	See
	My Dashboard	Review and change current settings.	"Configuring Basic Settings" on page 14
<b></b>	Set up Wireless	Configure wireless settings such as network name and security.	"Configuring Wireless Settings" on page 17
+	Add a Device	Add a wireless device and configure its security settings.	"Configuring Advanced Settings" on page 21
(C)	Advanced Settings	Configure advanced settings for system administration such as firmware upgrades.	"Configuring Advanced Settings" on page 21
$\triangle$	Alert	Click to display recent alerts about new firmware and network issues and shortcuts to important settings.	

# Reviewing Current Settings

The My Dashboard's home screen is a simple snapshot of the bridge's configuration with the most essential information in one screen. It includes summary information for wireless settings and status. NEED NEW GRAPHIC



1. Review the following settings:

Setting	Description
Network Name	Unique identifier of the 2.4 GHz or 5.0 GHz network, depending on your selection on the frequency switch.
Password	Password for accessing the wireless network.
Status	Status can be Unconfigured, Configured and Connected, or Unconnected.
Number of Devices Connected	Number of devices connected to the bridge. Wirelessly only or via USB port too?

2. To reconfigure wireless settings, click one of the **Set up Wireless** links on the screen or the Set Up? Wireless icon in the icon bar. See ???

# Configuring Wireless Settings

1. Click the **Set up Wireless** icon.

Note: Alternatively, on the My Dashboard home screen, you can click the **Set up Wireless** link or arrow.

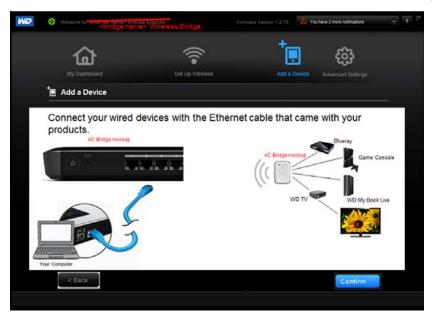
2. View or modify the required wireless settings of the bridge:

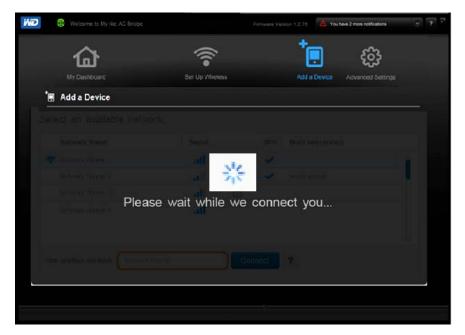
Setting	Description
Network Name	Name given to the wireless network. MUST BE SAME as the router's network name.
Network Frequency	Toggle to 2.4 GHz or 5.0 GHz. MUST BE SAME as router's frequency.
Network Key	Password for accessing the wireless network. MUST BE SAME AS the router's password
Wireless Security mode (should be capitalized)	Type of security applied to the wireless network. The default is WPA-Personal/WPA2-Personal.  WPA (Wi-Fi Protected Access) and WPA2 are security protocols that use a dynamically changing key. WPA2 is the second generation protocol that uses stronger AES (Advanced Encryption Standard) encryption. The third option is None.  WPA/WPA2 mixed security mode provides better compatibility with legacy devices. However, for better performance and connectivity, WPA2 security mode is highly recommended.

Setting	Description
Connection Type	Can be Static IP, Dynamic IP (DHCP), PPPoE (Username/Password), or PPTP (Username/Password).
	If you select Static IP, the following additional fields display:
	IP address (should be capital A)–IP address of the bridge. It should be on the same network as your router. <b>Subnet</b> –The subnet mask is used to control how many subnetworks can exist in your local network. The more subnetworks there are, the fewer the hosts you can have per subnet. <b>Gateway</b> –IP address of the router to which this bridge is connected.
Status	Status can be <b>Unconfigured</b> , <b>Configured and Connected</b> , or <b>Unconnected</b> .
Number of Devices Connected	Number of devices connected to the bridge. Wirelessly only or via USB port too?
QoS Enabled	Enable or disable the Fastrak (or WMM?) QoS application, which prioritizes different client applications/traffic types over the Internet. Enabled by default.

### 3. Click **Save**.

# Adding a Wireless Device to Your Network †



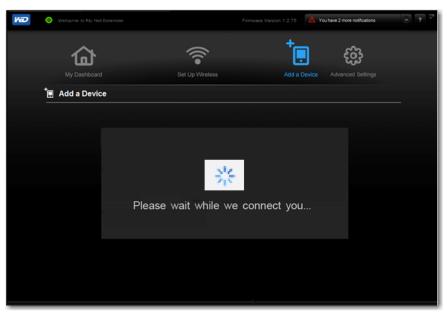


- 1. On the Dashboard, click the **Add a Device** icon.
- 2. Follow the appropriate procedure below:
  - a. Setup 1: Press the WPS button on the front of the bridge or click the virtual button on this screen. On your wireless device, press the physical WPS button or click the virtual WPS button.
  - b. **Setup 2:** If prompted by your wireless device, enter the bridge's WPS PIN shown on the screen into your wireless device.

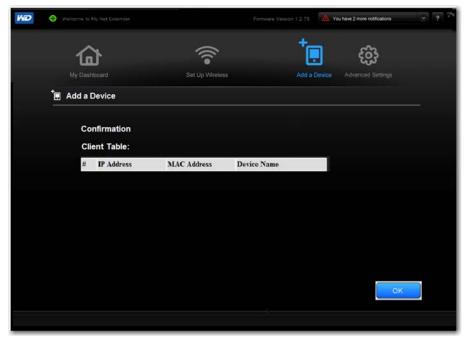
Note: The label on the bottom of the bridge displays the default PIN. You can change the PIN on the Wi-Fi Protected Setup screen. (See "Screen Descriptions" on page 21.) Once you change the PIN, the default value is

invalid unless you reset the bridge to default values. If your device requests the bridge's PIN, enter the PIN shown on the screen.

- 3. Click WPS. WHAT DO YOU SEE?
- 4. To confirm that the device has been added, click **Confirm**.



5. The Confirmation screen displays the attached devices in the Client Table. NEED COMPLETED EXAMPLE.



6. Click **OK** to return to the My Dashboard home screen.



# Configuring Advanced Settings

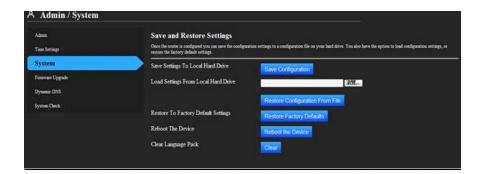
The **Advanced Settings** icon takes you to screens where you can change the administrative password, update the bridge's firmware, restore factory settings, and reboot the bridge.

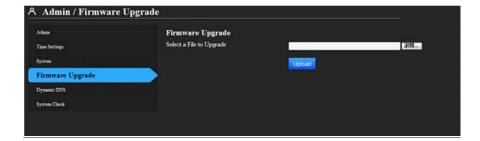
This chapter contains the following topics:

Changing the Administrator Password Updating the Bridge's Firmware Setting up the Bridge in AP Mode

Note: To close an Advanced Settings screen, click the Close button at the top of the screen. The My Dashboard home screen displays.

## Screen Descriptions





## Changing the Administrator Password

The admin account manages the bridge interface. The admin has read/write access and can create passwords. The default password is **password**; to keep your bridge secure, it is a best practice to create a new password. To change the administrator password:

1.	Click the <b>Advanced Settings</b> icon and then the <b>Administrator</b> tab (link) on the left to display the Admin/Administrator screen.					

2. Enter the existing administrator password in **Original Password** and the new administrator password in the **Password** and **Verify Password** fields. Click **Save**.

## Resetting and Rebooting the Bridge

## Resetting to Factory Defaults

You may want to reset the bridge to how it was when you bought it. You have two options for restoring factory defaults: through the user interface or through the **Reset** button on the bottom of the bridge.

### To use the user interface:

1. Click the **Advanced Settings icon** and then the **System** tab (link).



- 2. Click Reset to the right of Reset to Factory Default Settings.
- 3. When a confirmation message displays, click **OK**.
- 4. Wait until the bridge reboots before using it.

### To reset the bridge manually:

1. Press and hold the **Reset** button on the bottom of the bridge for at least 10 seconds. When the reset finishes, the Power LED blinks.

**Important:** Do not reboot the bridge or close the application while the update is taking place.

# Rebooting

WARNING! To avoid data loss, before rebooting, stop all network and read/write activities.

You can reboot the bridge two ways. If you are physically close to it, just press the **On/Off** button on the bridge. If you cannot easily press the button:

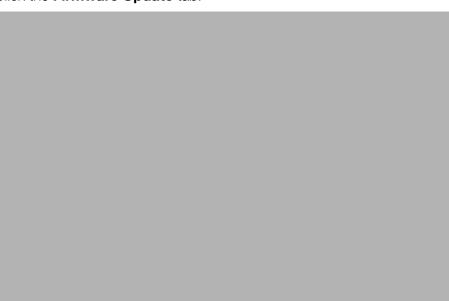
- 1. Click the **Advanced Settings icon** and then the **System** tab (link).
- 2. Click Reboot.

## **Updating the Bridge's Firmware**

Check for bridge firmware updates and upload new firmware.

Note: For best results, upload the firmware using a wired connection.

- 1. Click the **Advanced Settings icon** and then the **Administrator** icon.
- 2. Click the **Firmware Update** tab.



#### To check for the latest firmware version:

**Important:** Do not disconnect or turn off the bridge while the update is in process.

- Click Check Now. The bridge searches the WD website for a new firmware file.
   If a new file exists, the latest firmware version and an Update Now button appear.
- 2. Click **Update Now** to begin the firmware update. A message tells you how long the upload will take. Please wait while the firmware update is taking place.

### To update from a file:

- 1. Locate the firmware file on the WD Support site at <a href="http://support.wdc.com">http://support.wdc.com</a> and download it to your computer.
- 2. On the bridge screen, browse to the firmware file you saved and click **Open**. The file name displays in the browser field on the bridge screen.
- 3. Click **Upload**. A message says how long the upload will take. Please wait while the firmware update is taking place.



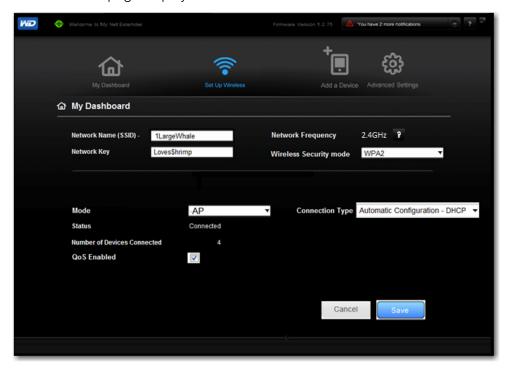
# Setting up the Bridge in AP Mode

The difference between bridge mode and access point mode is that an bridge has a wireless uplink to the router and an access point has a wired uplink to the router. To use the bridge in AP mode, connect it using an Internet cable as described in "Setting up Your bridge Manually" on page 10.

#### **GRAPHIC**

You can set up the bridge in AP mode from the Welcome screen (see "Setting up Your bridge Manually" on page 10) or from the My Dashboard Wireless Settings page. ?

1. Launch a web browser, and type WDbridge or IP address? in the address field. The My Dashboard Home page displays. NEED NEW GRAPHIC

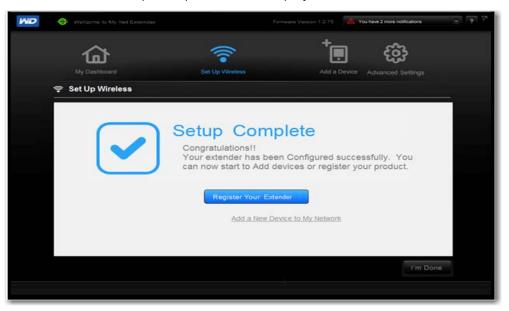


- 2. Click the **Set up Wireless** icon.
- 3. Edit **Network Name** and **Network Key** (the password for accessing the wireless network) if desired. CAN THEY DO THIS; SHOULDN'T THEY BE THE SAME AS THE ROUTER'S?
- 4. To change **Network Frequency,** toggle between 2.4 GHz or 5.0 GHz. HOW?
- 5. From the **Mode** drop-down list, select **AP**.
- 6. From the **Connection Type** drop-down list, select one of the following options:
  - Automatic Configuration DHCP
  - Static
- 7. If you select **Static**, complete the **IP**, **Subnet**, and **Gateway** fields that appear.

Note: Status (for example, Connected) and Number of Devices Connected to the access point are view-only fields.

8. Select or clear the **QoS Enabled** check box. WMM (Wi-Fi Multimedia) is a standard that defines quality of service (QoS) in Wi-Fi networks, prioritizes capability, and optimizes video and audio performance.

9. Click Save. The Setup Complete screen displays.



- 10. Do one of the following:
  - Click Register Your bridge and follow the registration wizard.
  - Click I'm Done. What displays?
- 11. To add a new wireless device to your network, click the **Add a New Device to My Network** link. See "Configuring Advanced Settings" on page 21.

You can stream music, photos, and videos from a connected wired Ethernet entertainment/ HD device using the Ethernet cable provided with the bridge?MORE NEEDED

# Troubleshooting DO THESE APPLY?

Problem	Solution				
The power LED does not illuminate.	<ol> <li>Ensure that the power cord is correctly connected to the bridge.</li> <li>Ensure that the electrical outlet is working properly. To do this, plug a different electronic device into the outlet and try to power it on.</li> <li>Ensure that you are using the AC adapter provided with the bridge.</li> </ol>				
A port number LED does not illuminate.	<ol> <li>Ensure that the connected device is powered on.</li> <li>Ensure that the Ethernet cable(s) are securely connected to the ports on both the device and the bridge.</li> <li>To ensure that the cable between the bridge and the electronic device is working properly, replace it with another cable.</li> </ol>				
Computers are unable to access the Internet.	<ol> <li>Ensure that the bridge is powered on. The power LED should be solid and not flashing.</li> <li>Check the cable connections between the modem, bridge and computer. The Ethernet cable connected to your modem should be connected to the Internet port on the bridge. An Ethernet cable from your computer should be connected to a LAN port on the side of the bridge.</li> <li>Power off and power on your modem, bridge, and computer.</li> <li>If all else fails, install My Net View from the product CD or contact Technical Support at <a href="http://support.wdc.com">http://support.wdc.com</a> or your ISP.</li> </ol>				
All front panel LEDs flash continuously.	<ol> <li>Relocate your bridge to a place that has good ventilation.</li> <li>Turn off your bridge, and set it aside for 15 to 20 minutes until it cools down. Turn your bridge back on to resume operation.</li> <li>If the problem persists, contact Technical Support at <a href="http://support.wdc.com">http://support.wdc.com</a>.</li> </ol>				
The bridge has a weak signal	<ol> <li>Tune as described in "Step 2:" on page 9.</li> <li>?</li> </ol>				



# Regulatory and Warranty Information

This chapter contains the following topics:

Regulatory Compliance
Warranty Information (All Regions Except Australia/New Zealand)
Warranty Information (Australia/New Zealand only)
GNU General Public License ("GPL")

## **Regulatory Compliance**

### Federal Communication Commission Interference Statement

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

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

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

# Regulatory Information/Disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these quidelines.

For operation within  $5.15 \sim 5.25$  GHz frequency range, it is restricted to indoor environment. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

**CAUTION:** To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: The country code selection is for non-US models only and is not available for all US models. Per FCC regulations, all WiFi products marketed in the US must be fixed to US operation channels only.

### **Industry Canada (IC)**

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

**CAUTION!** The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

**AVERTISSEMENT!** Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

**Radiation Exposure Statement:** This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

**Déclaration d'exposition aux radiations:** Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

### ICES-003/NMB-003 Statement

Cet appareil numérique de la classe B est conforme à la norme ICES-003 du Canada.

This device complies with Canadian ICES-003 Class B.

This product is intended to be supplied by a listed limited power source, double insulated, or direct plug-in power unit marked "Class 2."

### Safety Compliance

Approved for US and Canada. CAN/CSA-C22.2 No. 60950-1, UL 60950-1: Safety of Information Technology Equipment.

Approuvé pour les Etats-Unis et le Canada. CAN/CSA-C22.2 No. 60950-1, UL 60950-1: Sûreté d'équipement de technologie de l'information.

This device is only for use with the compatible UL Listed AC adapter.

Cet appareil n'est destiné qu'a` des adaptateur compatibles marqués "UL Listed".

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible. Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter. Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionnement en association avec une autre antenne ou transmetteur.

The device could automatically discontinue transmission in case of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information or the use of repetitive codes where required by the technology.

Le dispositif pourrait automatiquement cesser d'émettre en cas d'absence d'informations à transmettre, ou une défaillance opérationnelle. Notez que ce n'est pas l'intention d'interdire la transmission des informations de contrôle ou de signalisation ou l'utilisation de codes répétitifs lorsque requis par la technologie.

The maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

le gain maximal d' antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz)

doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

### 以下警語適用台灣地區

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即 停用,並改善至無干擾時方得繼續使用。前項合法通信,指依電信法規定作業之無線電通 信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

### For Mexico Only

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

### For Brazil Only

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não causar interferência a sistema operando em caráter primário.

## CE Compliance for Europe

Operation of this device is subjected to the following National regulations and may be prohibited to use if certain restriction should be applied.

Marking by the CE symbol indicates compliance of this system to the applicable Council Directives of the European Union, including the EMC Directives (2004/108/EC), (1999/5/EC), the Low Voltage Directive (2006/95/EC), and EuP Directive (2005/32/EC). A "Declaration of Conformity" in accordance with the applicable directives has been made and is on file at Western Digital Europe.

Die Kennzeichnung mit dem CE-Symbol zeigt an, dass dieses System die anwendbaren Richtlinien der Europäischen Union erfüllt, einschließlich der EMV-Richtlinien (2004/108/EG), (1999/5/EG), der Niederspannungsrichtlinie (2006/95/EG) und der Richtlinie (2005/32/EG) des Europäischen Parlaments. Eine "Konformitätserklärung" gemäß den anwendbaren Richtlinien wurde abgegeben und kann bei Western Digital Europe eingesehen werden.

Le symbole CE sur l'appareil indique la conformité de cet appareil avec les directives applicables du Conseil de l'Union Européenne, dont les directives EMC (2004/108/EC), (1999/5/EC), la directive sur les limites de tension (2006/95/EC) et la directive EuP (2005/32/EC), si applicable. Une « déclaration de conformité » conforme aux directives applicables a été effectuée et est consultable chez Western Digital Europe.

Il marchio CE indica la conformità del sistema alle direttive applicabili del Consiglio dell'Unione europea, tra cui le Direttive EMC (2004/108/CE), (1999/5/CE), la Direttiva Bassa Tensione (2006/95/CE), e la Direttiva EuP (2005/32/CE). Una "Dichiarazione di conformità" redatta in base alle direttive vigenti è disponibile presso Western Digital Europe.

La marca con el símbolo CE indica el cumplimiento de este sistema de las Directivas del Consejo de la Unión Europea correspondientes, incluidas las directivas EMC (2004/108/EC) y (1999/5/EC), la Directiva de bajo voltaje (2006/95/CE) y la Directiva EuP (2005/32/EC). Se ha realizado una "Declaración de conformidad" de acuerdo con las directivas aplicables y se encuentra archivada en Western Digital Europe.

CE-märkningen innebär att detta system uppfyller Europeiska Unionens tillämpliga rådsdirektiv, inklusive EMC-direktivet (2004/108/EC), (1999/5/EC), lågspänningsdirektivet

(2006/95/EC) och EuP-direktivet (2005/32/EC). En "Konformitetsdeklaration" i enlighet med gällande direktiv har gjorts och finns arkiverad hos Western Digital Europe.

Merking med CE-symbolet indikerer at dette systemet samsvarer med gjeldende direktiver (council directives) for EU, inkludert EMC-direktiv (2004/108/EF), (1999/5/EF), Lavspenningsdirektiv (2006/95/EF) og EuP-direktiv (2005/32/EF). En "Samsvarserklæring" i henhold til gjeldende direktiver har blitt opprettet og er i Western Digital Europas arkiver.

CE-merkintä osoittaa tämän järjestelmän yhdenmukaisuuden sovellettavissa olevien Euroopan yhteisön neuvoston direktiivien kanssa, mukaan lukien EMC-direktiivi (2004/108/EC), (1999/5/EC), alijännitedirektiivi (2006/95/EC) sekä EuP-direktiivi (2005/32/EC). "Noudattamisjulistus" on jätetty asiaankuuluvien direktiivien mukaisesti, ja se on tallessa Western Digital Europessa.

Mærkning med CE-symbolet angiver at systemet overholder Europaparlamentets og Rådets direktiver, herunder EMC-direktiverne (elektromagnetisk kompatibilitet) (2004/108/EC), (1999/5/EC) og lavspændingsdirektivet (2006/95/EC) og EuP-direktivet 2005/32/EC. En "Declaration of Conformity" (overensstemmelsesattestering) i henhold til gældende direktiver er afgivet og opbevares hos Western Digital Europe.

Маркировка символом СЕ свидетельствует о соответствии настоящей системы положениям применимых директив Совета Европейского Союза, в том числе директив об электромагнитной совместимости (2004/108/EC, 1999/5/EC), директивы о низковольтном оборудовании (2006/95/EC) и директивы об устройствах, использующих электроэнергию (2005/32/EC). Заявление о соответствии положениям применимых директив, сделанное компанией Western Digital, находится в архиве её европейского подразделения.

Η σήμανση με το σύμβολο CE υποδεικνύει ότι το σύστημα αυτό συμμορφώνεται με τις ισχύουσες οδηγίες του Συμβουλίου της Ευρωπαϊκής Ένωσης, συμπεριλαμβανομένων των οδηγιών περί ηλεκτρομαγνητικής συμβατότητας (2004/108/EK), (1999/5/EK), της οδηγίας περί χαμηλής τάσης (2006/95/EK) και της οδηγίας του Ευρωπαϊκού Κοινοβουλίου (2005/32/EK). Έχει πραγματοποιηθεί μία «Δήλωση συμμόρφωσης», σύμφωνα με τις ισχύουσες οδηγίες και τηρείται στα αρχεία της Western Digital Ευρώπης.

يشير التميز بوضع الرمز CE إلى توافق هذا النظام مع توجيهات المجلس القابلة للتطبيق والخاصة بالاتحاد الأوروبي، بما في ذلك توجيهات التوافقية الكهرومغناطيسية (EMC) (2004/108/EC) وتوجيهات الجهد الكهربي المنخفض (2006/95/EC) وتم وضع "إعلان المطابقة" وفقًا للتوجيهات القابلة للتطبيق وهو موجود في ملف على Western Digital Europe.

### **Environmental Compliance (China)**

#### 产品中有毒有害物质或元素的名称及含量

部件名称		有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚	
机壳/机箱	Х	0	0	0	0	0	
电路板组合 / 板卡	χ	0	0	0	0	0	
电源变压器 / 电源供应器	χ	0	0	0	0	0	
硬盤	χ	0	0	0	0	0	

<sup>0:</sup> 代表此种部件的所有均质材料中所含的该种有毒有害物质均低于中华人民共和国信息产业部所颁布的《电子信息产品中有毒有害物质的限量要求》(SJ/T 11363-2006) 规定的限量。

除非产品上另有标记,所有内附产品及其部件的'环保使用期限'均由此显示的符号表示。此 环保使用期限只适用于产品手册中所规定的使用条件。

(在此表中,企业可能需要根据实际情况对标记"X"的项目进行进一步的技术性解释。)

## Warranty Information (All Regions Except Australia/New Zealand)

### **Limited Warranty**

WD warrants that the Product, in the course of its normal use, will for the term defined below, be free from defects in material and workmanship and will conform to WD's specification therefor. The term of your limited warranty depends on the country in which your Product was purchased. The term of your limited warranty is for 1 year in the North, South and Central America region, 2 years in the Europe, the Middle East and Africa region, and 1 year in the Asia Pacific region, unless otherwise required by law. The term of your limited warranty period shall commence on the purchase date appearing on your purchase receipt. WD may at its discretion make extended warranties available for purchase. WD shall have no liability for any Product returned if WD determines that the Product was stolen from WD or that the asserted defect a) is not present, b) cannot reasonably be rectified because of damage occurring before WD receives the Product, or c) is attributable to misuse, improper installation, alteration (including removing or obliterating labels and opening or removing external enclosures, unless the product is on the list of limited user-serviceable products and the specific alteration is within the scope of the applicable instructions, as found at <a href="http://support.wdc.com">http://support.wdc.com</a>), accident or mishandling while in the possession of someone other than WD. Subject to the limitations specified above, your sole and exclusive warranty shall be, during the period of warranty specified above and at WD's option, the repair or replacement of the Product with an equivalent or better Product. The foregoing warranty of WD shall extend to repaired or replaced Products for the balance of the applicable period of the original warranty or ninety (90) days from the date of shipment of a repaired or replaced Product, whichever is longer.

The foregoing limited warranty is WD's sole warranty and is applicable only to products sold as new. The remedies provided herein are in lieu of a) any and all other remedies and warranties, whether expressed, implied or statutory, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and b) any and all obligations and liabilities of WD for damages including, but not limited to accidental, consequential, or special damages, or any financial loss, lost profits or expenses, or lost data arising out of or in connection with the purchase, use, or performance of the Product, even if WD has been advised of the possibility of such damages. In the United States, some states do not allow exclusion or limitations of incidental or consequential damages, so the limitations above may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### **Obtaining Service**

WD values your business and always attempts to provide you the very best of service. If this Product requires maintenance, either contact the dealer from whom you originally purchased the Product or visit our product support Web site at <a href="http://support.wdc.com">http://support.wdc.com</a> for information on how to obtain service or a Return Material Authorization (RMA). If it is determined that the Product may be defective, you will be given an RMA number and instructions for Product return. An unauthorized return (i.e., one for which an RMA number has not been issued) will be returned to you at your expense. Authorized returns must be shipped in an approved shipping container, prepaid and insured, to the address provided on your return paperwork. Your original box and packaging materials should be kept for storing or shipping your WD product. To conclusively establish the period of warranty, check the warranty expiration (serial number required) via <a href="http://support.wdc.com">http://support.wdc.com</a>. WD shall have no liability for lost data regardless of the cause, recovery of lost data, or data contained in any Product placed in its possession.

X: 代表此种部件所用的均质材料中,至少有一类材料其所含的有毒有害物质高于中华人民共和国信息产业部所颁布的《电子信息产品中有毒有害物质的限量要求》(SJ/T 11363-2006)规定的限量

### Warranty Information (Australia/New Zealand only)

# For consumers purchasing products in Australia and New Zealand, please refer to this warranty information.

Nothing in this warranty modifies or excludes your legal rights under the Australian Competition and Consumer Act or the New Zealand Consumer Guarantees Act. This warranty identifies WD's preferred approach to resolving warranty claims which is likely to be quick and simple for all parties.

No other warranties either express or implied by law, including but not limited to those contained in the Sale of Goods Act, are made with respect to the Product. If you purchased your Product in New Zealand for the purposes of a business, you acknowledge and agree that the New Zealand Consumer Guarantees Act does not apply.

In Australia, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if goods fail to be of acceptable quality and the failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.

#### Warranty

WD warrants that the Product, in the course of its normal use, will for the term defined below, be free from defects in material and workmanship and will conform to WD's specifications. The term of your warranty is

1 year in Australia and New Zealand, unless otherwise required by law. The term of your warranty period shall commence on the purchase date appearing on your purchase receipt from an authorized distributor or authorized reseller. Proof of purchase shall be required to be eligible for this warranty and to establish the commencement date of this warranty. Warranty service will not be provided unless the Product is returned to an authorized distributor, authorized reseller or regional WD return center where the Product was first shipped by WD. WD may at its discretion make extended warranties available for purchase. WD shall have no liability for any Product returned if WD determines that the Product was (i) not purchased from an authorized distributor or authorized reseller, (ii) not used in accordance with WD specifications and instructions, (iii) not used for its intended function, or (iv) stolen from WD, or that the asserted defect a) is not present, b) cannot reasonably be rectified because of damage occurring before WD receives the Product, or c) is attributable to misuse, improper installation, alteration (including removing or obliterating labels and opening or removing external enclosures, including the mounting frame, unless the product is on the list of limited user-serviceable products and the specific alteration is within the scope of the applicable instructions, as found at http://support.wdc.com), accident or mishandling while in the possession of someone other than WD.

PRODUCTS ARE COMPLEX AND FRAGILE ITEMS THAT MAY OCCASSIONALY FAIL DUE TO (A) EXTERNAL CAUSES, INCLUDING WITHOUT LIMITATION, MISHANDLING, EXPOSURE TO HEAT, COLD, AND HUMIDITY, AND POWER FAILURES, OR (B) INTERNAL FAULTS. SUCH FAILURES CAN RESULT IN THE LOSS, CORRUPTION, DELETION OR ALTERATION OF DATA. NOTE THAT YOU SHALL BE RESPONSIBLE FOR THE LOSS, CORRUPTION, DELETION OR ALTERATION OF DATA HOWSOEVER CAUSED, AND FOR BACKING UP AND PROTECTING DATA AGAINST LOSS, CORRUPTION, DELETION OR ALTERATION. YOU AGREE TO CONTINUALLY BACK UP ALL DATA ON THE PRODUCT, AND TO COMPLETE A BACKUP PRIOR TO SEEKING ANY GENERAL SERVICE AND TECHNICAL SUPPORT FROM WD.

In Australia, if the Product is not of a kind ordinarily acquired for personal, domestic or household use or consumption, provided it is fair and reasonable to do so, WD limits its liability to replacement of the Product or supply of equivalent or better Product.

This warranty shall extend to repaired or replaced Products for the balance of the applicable period of the original warranty or ninety (90) days from the date of shipment of a repaired or replaced Product, whichever is longer. This warranty is WD's sole manufacturer's warranty and is applicable only to Products sold as new.

## **Obtaining Service**

WD values your business and always attempts to provide you the very best of service. Should you encounter any problem, please give us an opportunity to address it before returning this Product. Most technical support questions can be answered through our knowledge base or e-mail support service at http://support.wdc.com. If the answer is not available or, if you prefer, please contact WD at the applicable telephone number shown in the front of this document.

If you wish to make a claim, you should initially contact the dealer from whom you originally purchased the Product. If you are unable to contact the dealer from whom you originally purchased the Product, please visit our product support Web site at http://support.wdc.com for information on how to obtain service or a Return Material Authorization (RMA). If it is determined that the Product may be defective, you will be given an RMA number and instructions for Product return. An unauthorized return (i.e., one for which an RMA number has not been issued) will be returned to you at your expense. Authorized returns must be shipped in an approved shipping container, prepaid and insured, to the address provided with your RMA number. If following receipt of a qualifying claim under this warranty, WD or the dealer from whom you originally purchased the Product determines that your claim is valid, WD or such dealer shall, at its discretion, either repair or replace the Product with an equivalent or better Product or refund the cost of the Product to you. You are responsible for any expenses associated with a claim under this warranty. The benefits provided to you under this warranty are in

addition to other rights and remedies available to you under the Australian Competition and Consumer Act or the New Zealand Consumer Guarantees Act.

Your original box and packaging materials should be kept for storing or shipping your WD product. To conclusively establish the period of warranty, check the warranty expiration (serial number required) via <a href="http://support.wdc.com">http://support.wdc.com</a>.

Western Digital Technologies, Inc. 3355 Michelson Drive, Suite 100

Phone: 949-672-7000 E-mail: support@wdc.com

## **GNU General Public License ("GPL")**

Firmware incorporated into this product may include third party copyrighted software licensed under the GPL or Lesser General Public License ("LGPL") (collectively, "GPL Software") and not Western Digital's End User License Agreement. In accordance with the GPL, if applicable: 1) the source code for the GPL Software may be downloaded at no charge from http://support.wdc.com/download/gpl or obtained on CD for a nominal charge from http://support.wdc.com/download/gpl or by calling Customer Support within three years of the date of purchase; 2) you may re-use, re-distribute, and modify the GPL Software; 3) with respect solely to the GPL Software, no warranty is provided, to the extent permitted by applicable law; and 4) a copy of the GPL is included herewith, may be obtained at http://www.gnu.org, and may also be found at http://support.wdc.com/download/gpl.

Modification of or tampering with the Software, including but not limited to any Open Source Software, is solely at your own risk. Western Digital is not responsible for any such modification or tampering. Western Digital will not support any product in which you have or have attempted to modify the Software supplied by Western Digital.

### Appendix: Technical Specifications

SKU	Starfish
Wireless Standards	IEEE 802.11n Client
Band	2.4GHz and 5.0GHz Selectable Dual Band
MIMO Mode	3 x 3 (2.4GHz), 3 x 3 (5GHz)
Wireless Speed	Up to 450Mbps
Ethernet	1x Gigabit Ethernet (1LAN)
USB port	None
Security	WPA/WPA2-PSK
	WEP



Branded Products Starfish

Firewall	NA
QoS	NA
Buttons	WPS and Reset
Capacity	1 Client with Ethernet port
Other Features	<ul><li>Compact form factor</li><li>Power adapter</li></ul>
Set-up	Quick Install Guide

Specification	Value
Wireless standard	IEEE 802.11n client
Ethernet	1 x Gigabit Ethernet
I/O ports	(4) Ethernet (RJ-45) ports
Bands	2.4 GHz and 5.0 GHz selectable dual mode
MIMO mode?	3x3 (2.4 GHz), 3x3(5 GHz)
Security	WPA/WPA2-PSK WEP
QoS	N/A ???
Firewall	N/A

Specification	Value
Supported operating systems	Windows XP with Service Pack 3
	Windows Vista with Service Pack 2
	Windows 7 with Service Pack 1
	Mac OS X Leopard
	Mac OS X Snow Leopard
	Mac OS X Lion
Supported web browsers	Internet Explorer 7 and later
	Safari 2 and later
	Firefox 2 and later
	Chrome 7 and later
Physical dimensions	Length: ??" (??? mm)
	Width: ??" (??? mm)
	Height: ??" (?? mm)
	Weight: 0.?? lb (0.?? Kg)
Power supply	Input voltage: 100V to 240V AC
	Input frequency: 50 to 60 Hz
	Output voltage: 12V DC, 3A
	Power supply: 36W
Temperature	Operating temperature: 5 to 35 °C (41 to 95 °F)??
	Non-operating temperature: -20 to 65 °C (-4 to 149 °F)??

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