RocketFish RF-HTN102 Wi-Fi Invite Home Hub

User Manual

Preface

RocketFish reserves the right to modify this document at any time without obligation or notification of any person or organization of such revisions or changes.

Manual Revisions

Revision	Date	Description
1.0	November 23, 2010	First Draft
2.0	December 9, 2010	Second Draft
3.0	December 21, 2010	Third Draft
4.0	December 22, 2010	Fourth Draft

Trademarks

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Product Overview

Package Contents

RF-HTN102 Wi-Fi Invite Home Hub

Ethernet Cable (1M RJ45)

Quick Start Guide

Power Adapter (12V DC 1.25A)

CD-ROM with Manual

System Requirements

Network requirements	• an Ethernet-based Cable or DSL Modem • IEEE 802.11n or 802.11a/b/g wireless clients • 10/100Mbit Ethernet cable
Web-based configuration utility requirements	A computer with: • a Windows, Mac or Linux-based operating system • an installed Ethernet adapter • A CD-ROM drive Browser requirements: • Internet Explorer 6 or higher • Mozilla Firefox 3.0 or higher • Safari 3 or higher

Introduction

Congratulations on your purchase of the RocketFish RF-HTN102 Wi-Fi Invite Wireless Hub. We hope that you will enjoy using this product to enhance your home network, but before you begin, please take a moment to read through this manual to learn all the features of the device.

The RF-HTN102 is a high performance wireless hub designed to easily fit into your network and provide you with an easy way to connect all your devices and enjoy multimedia and games throughout your home.

SUPERIOR SPEED

Supporting 802.11a/b/g/n, the RF-HTN102 provides a blazingly fast wireless transfer speed so that you can enjoy the latest multimedia to its full. When connecting using 802.11n you can experience speeds exceeding that of 100Mbps wired Ethernet connections.

BETTER PERFORMANCE

The RF-HTN102 can operate at both 2.4GHz and 5GHz spectrums allowing you to choose which frequency performs best for you. If you have compatible hardware, you can switch to operate on the 5GHz frequency to avoid crowding of the 2.4GHz spectrum and improve the stability and speed of your wireless connection.

INCREASED SECURITY

Using the included Wi-Fi Protected Setup (WPS), you can set up your wireless connection simply and securely. The RF-HTN102 supports both PBC and PIN methods of securely setting up the device. You can choose to use either WPA or WPA2 encryption methods to protect your network from intruders.

EASY SETUP

The Wi-FI Protected Setup (WPS) and Wi-Fi Invite features allow you to easily connect to a wireless router such as the RocketFish RF-HTN104.

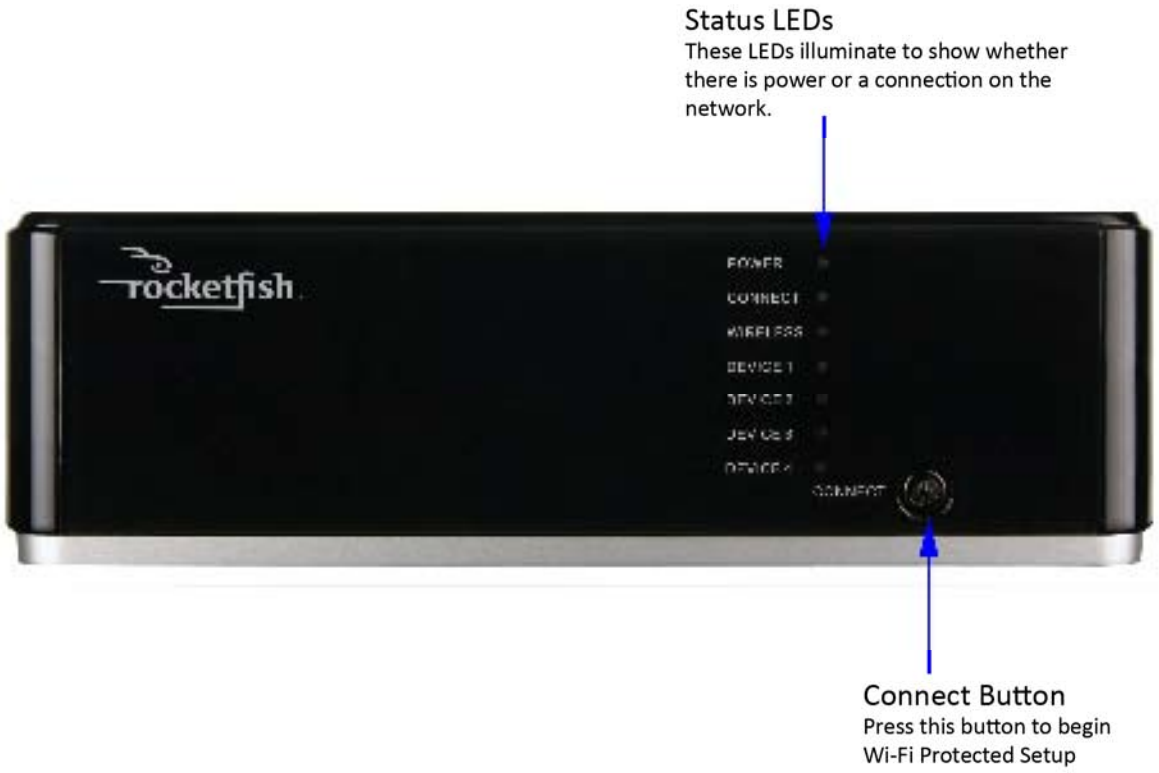
Features

- **Faster Wireless Networking** - The RF-HTN102 provides up to 300Mbps* wireless connection with 802.11n wireless routers. This capability allows users to participate in real-time activities online, such as video streaming, online gaming, and real-time audio. The performance of this 802.11n wireless hub gives you the freedom of wireless networking at speeds 650% faster than 802.11g.
- **Compatible with 802.11a, 802.11b, and 802.11g Devices** - The RF-HTN102 is fully compatible with the IEEE 802.11a, 802.11b, and 802.11g standards, so it can connect with existing 802.11a, 802.11b, and 802.11g PCI and USB network adapters.
- **Advanced Wi-Fi Configuration –** The RF-HTN102 allows you to fine-tune your wireless settings to optimize performance for your specific environment.
- **Restrict Remote Access –** You can specify which computers on the LAN have access to the administration tool.

* Maximum wireless signal rate derived from IEEE Standard 802.11a, 802.11b, 802.11g, and Draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental conditions will adversely affect wireless signal range.

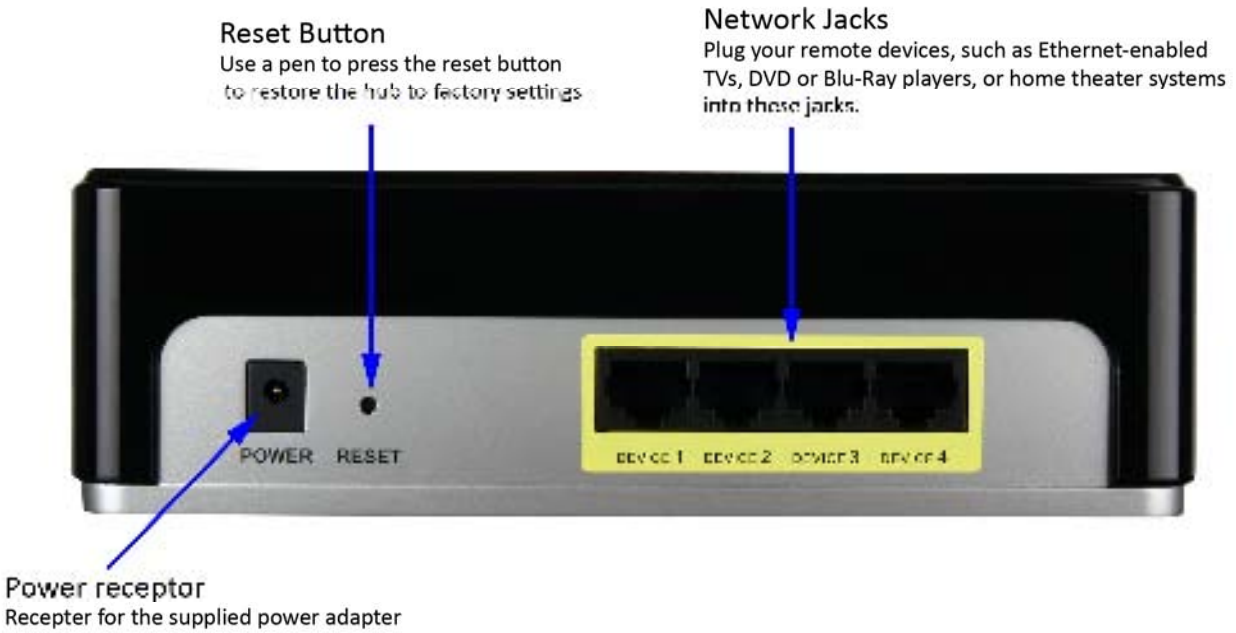
Hardware Overview

FRONT PANEL



Hardware Overview (Continued)

REAR PANEL


Reset Button
Use a pen to press the reset button
to restore the hub to factory settings
Network Jacks
Plug your remote devices, such as Ethernet-enabled
TVs, DVD or Blu-Ray players, or home theater systems
into these jacks.
POWER
RESET
Power receptor
Recepter for the supplied power adapter

Hardware Overview (Continued)

LED Indicators

INDICATOR	STATUS	DESCRIPTION
Power	Solid Light	Router is **ON**
	Light Off	Router is **OFF**
Connect	Blinking Light	WPS or Wi-Fi Invite connection in progress
Wireless	Solid Light	Hub is connected to router
	Blinking Light	Data is being sent and received between the hub and a remote router.
	Light Off	Hub is not connected to router
Device 1 -4	Solid Light	A device is connected to the network jack

Installation

This section will walk you through installing the wireless hub. Placement of the hub is very important. Be sure not to place it in an enclosed space like a cabinet, closet, attic, garage or any other area where there is not ample ventilation.

The RocketFish RF-HTN102 wireless hub allows you to access your network via a wireless connection from anywhere within its operating range. However, keep in mind that there are factors that affect the signal strength and range of your connection. The number of objects the signal must pass through together with the number of radio frequencies in the area will have an effect on the range. Remember these tips to maximize the wireless range of your network:

1. Keep the number of walls or ceilings that the signal must pass through to a minimum. Each wall or ceiling that the signal must pass through will have an adverse affect on the range of your network.
2. Be aware of the direct line between the devices. A wall that is at an angle will mean that signal needs to pass through a greater surface area than the normal thickness of the wall.
3. Building materials make a difference. Try to position access points, routers and computers so that the signal passes through open doorways or through drywall. Materials such as glass, metal, steel, walls with insulation, bodies of water such as fish tanks, mirrors, file cabinets, brick and concrete will degrade your wireless signal.
4. Keep your wireless hub at least 3-6 feet (1-2 meters) away from other devices which generate radio frequencies.
5. If you choose to operate the wireless hub on the 2.4GHz spectrum, be aware that this is more commonly used than the 5GHz spectrum and is therefore susceptible to interference from devices such as microwaves and cordless phones. Try to keep the base station of your cordless phone as far away as possible from the wireless hub as the base station will transmit a signal even if the phone is not in use.

Connecting the Hub

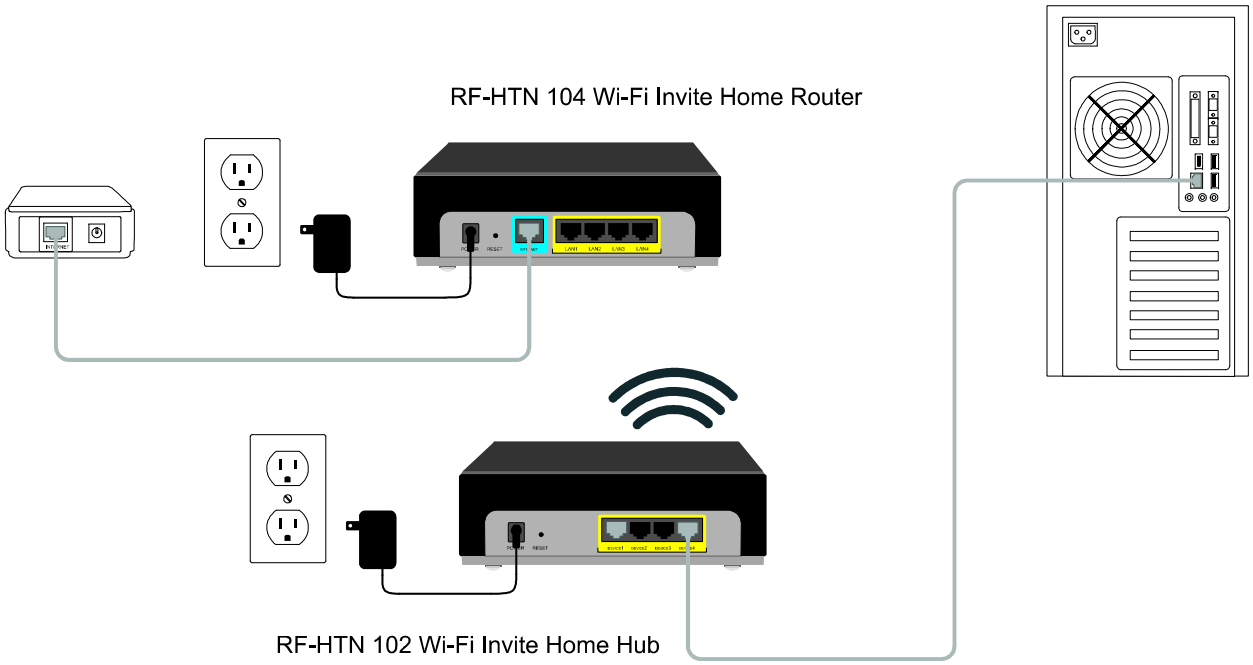
Connect the Hub

1. Position your hub close to your router which is already online. Connect an Ethernet cable from your computer to one of the **DEVICE** ports on the back of the hub.

2. Connect the supplied power adapter into the **POWER** receptor on the back of the hub and then plug into a power outlet or surge protector. Verify the power light is lit.

3. Make sure that your computer has an IP Address of 192.168.1.XX and a Subnet of 255.255.255.0. Refer to the Troubleshooting section of the user manual for more information.

4. Open a web browser, enter http://192.168.1.50 and then press Enter. When the login window appears, set the user name to **admin** and leave the password box blank. Click ↵ to continue the setup. Please refer to the user manual for more detailed installation information and advanced features.



5. When you have completed the setup, move the hub to desired location and connect the power adapter. Connect the devices you want to use into the DEVICE ports on the back of the hub.

Using Wi-Fi to connect to a router

You can connect the Wi-Fi Invite Home Hub to your router using either Wi-Fi Invite or Wi-Fi Protected Setup (WPS). Once a Wi-Fi connection is successfully established, you are ready to begin using your Wi-Fi Invite Home Hub.

Using WPS

The Wi-Fi Protected Setup (WPS) system is a simplified method for:

- Securing your wireless network during the initial setup
- Adding a new device to the network

There are two simple methods to securely add a device to your network via WPS:

- Push Button Configuration (PBC) method
- Personal Identification Number (PIN) Code method.

Both of these WPS methods greatly reduce the time it takes to get a new device on your network while using WPA2 encryption.

To connect to a wireless router using the PBC method:

1. Position the router and hub together for the initial Wi-Fi connection procedure.
2. Power on the router and wait approximately 1 minute for it to start before powering on your Wi-Fi Invite Home Hub.
3. Press the **CONNECT** button on the front of the Wi-Fi Invite Router. On other brands of routers, there will be a similar button for the WPS function.
4. Press **Connect** next to **PBC** near the bottom of the screen, or hold down the **Connect** button on the front of your Wi-Fi Invite Hub for approximately 3 seconds. The two devices will connect within 2 minutes.
5. Place the hub in the desired location when the connection is successful.

To connect to a wireless router using the PIN Code method:

1. Position the router and hub together for the initial Wi-Fi connection procedure.
2. Power on the router and wait approximately 1 minute for it to start before powering on your Wi-Fi Invite Home Hub.
3. Locate the PIN number on the bottom of the Wi-Fi Invite Home Hub and make a note of it.

If you are unable to find it, you can:

Reset the PIN to the default by clicking **Reset PIN Code to Default.**
OR
Generate a new PIN Code by clicking **Generate New PIN Code.**

4. Enter the PIN Code into the **PIN Code** field of the Wi-Fi Invite Home Router's WPS page and click **Connect**.
5. Press the **Connect** button on the front panel of the Wi-Fi Invite Home Hub. The two devices will connect within 2 minutes.
6. Place the hub in the desired location when the connection is successful.

*Tip: To make sure that the connection was successful, click , then click **Wireless Status** in the menu on the left. If the connection was successful, **CONNECTED** and the router's SSID are displayed.*

To Turn Off WPS

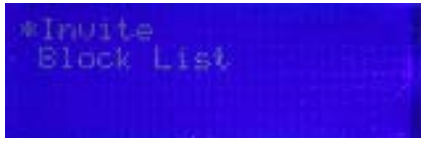
- Click **Disable WPS** and then click , or click to cancel.

Note: WPS is enabled by default. If you turn it off, then want to turn it back on, click **Enable WPS.**

Using Wi-Fi Invite

To join a network using Wi-Fi Invite:

1. Place the hub and router close to each other for the setup procedure and power them on. The first time the router detects a signal from a Wi-Fi Invite hub within range, it displays the following screen:



2. Select the **Invite** function to continue by pressing the center button on the control pad. The router will scan for wireless clients in range and show a list of discovered devices after a few moments.

3. Select the host name of the device you want to invite from the list by pressing the right direction button on the control pad. For the Wi-Fi Invite Home Hub, this will be RF-HTN102 by default.

4. On your RocketFish Wi-Fi Invite Home Hub, you should see the CONNECT button flashing if you have invited it successfully. If the CONNECT button is not flashing, confirm that you have invited the correct device from the router and try again. Press the CONNECT button on the front to accept the invitation. Within 2 minutes, the router will connect with the hub and display “WIFI invite connection established!”. If it does not establish a connection, try repositioning the router or the client and try again.

5. Place the hub in the desired location when the connection is successful.

Web-based configuration utility

After you have made an initial Wi-Fi connection to your router, you might need to adjust settings on the hub. This section explains how to adjust the configuration using the web-based configuration utility.

If you successfully established a Wi-Fi connection, go to **Configuring the hub** on page 17 to continue.

If you were unable to establish a Wi-Fi connection, follow these steps to connect directly to the hub. Before you begin, make sure that your computer is connected to the hub using an Ethernet cable. Connect one end of the cable to the network adapter on your computer and the other end to one of the network jacks on the back of the Wi-Fi Invite Home Hub.

Setting the computer's IP address

The RF-HTN102 does not have a DHCP Server. Therefore, the first time you connect your computer to the hub, the hub will not be able to give you a local IP address. You will need to manually set your IP address to a local one in order to connect to the hub.

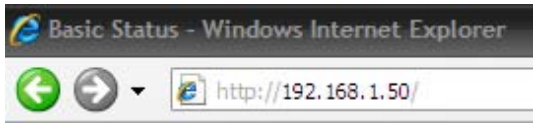
- Click **Start > Settings > Control Panel.** Select **Network Connections**. Select the connection profile which is connected to the hub, most likely labeled **Local Area Connection**.
- Select **Internet Protocol (TCP/IP)** and click **Properties**. Select the radio button **Use the following IP address** and give the connection a local IP address which is not in use already e.g. 192.168.1.111. Set the **Subnet Mask** to 255.255.255.0. Click **OK** twice.
- Try to connect to the web-based configuration utility again.

Configuring the hub

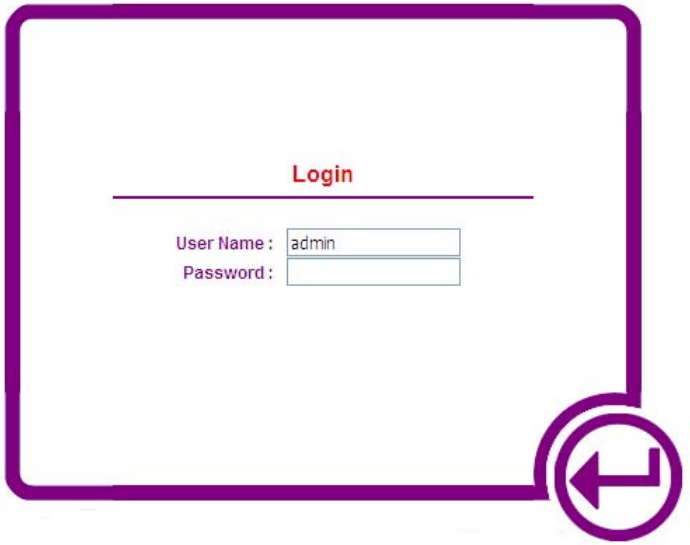
This section will describe how to set up the RF-HTN102 using the web-based configuration utility.

Accessing the web-based configuration utility

To access the web-based configuration utility, open a web browser, such as Internet Explorer and enter the IP address of the hub (192.168.1.50) .



Enter **admin** in the User Name field and leave the Password field empty for the initial setup process.



Press the Enter key or click  to complete the login.

Checking the General Status of the Hub

After logging in, the Device Basic Status screen is displayed. This is the home screen, denoted by an icon of a house. This screen displays the device uptime and the version of firmware

The menu on the left side of the screen allows you to select various status screens which provide information about the status of the various functions of the hub.

Checking the Wireless Network Status

Wireless Status – 2.4GHz Band & Wireless Status – 5GHz Band

This section shows the details of the 2.4GHz and 5GHz wireless connection including the mode it is running in and the current supported standards (a/b/g/n), the Network Name or SSID, the MAC address of the wireless access point, the channel it is operating on, authentication mode and type of encryption.

Connection Status

This section displays the current status of the wireless hubs connection to the router. If connected, it will state **CONNECTED** and list the B**SSID** of the router it

is connected to.

Checking the Traffic Statistics

This screen shows the number of packets and bytes received and transmitted for each wireless radio (2.4Ghz and 5GHz) of the hub.

Changing hub configuration settings

1. Login to the hub as described in the section titled "**Configuring the hub**"
2. Click the icon from the animated menu at the bottom of the web-configuration utility.
3. The Date and Time Properties screen is displayed along with a menu on the left from which you can select what you would like to configure.

Changing the Administrator Account

You can change the login name and password for the hub. To change the login name and/or password, enter the login name you wish to use. In the **New Password** field, type the new password you wish to use. Repeat the password you just typed in the **Confirm Password** field and click the button. If you wish to cancel, press the button.

It is strongly recommended that you set a secure password to prevent unauthorized access to your router configuration.

Changing the Host Name of the Hub

The host name of the device is the name which is used to identify the hub on your network. On this screen you may change the host name of the hub to make it easily identifiable.

To change the host name, enter a name of up to 15 characters and press the button. If you wish to cancel, press the button.

You may not enter a space in the name or use special characters such as @ # $ % & * in the host name. If you enter any forbidden characters, the hub will show an error when you try to save the host name.

You may need to restart the device for the changes to take effect.

Changing the IP Address of the Hub

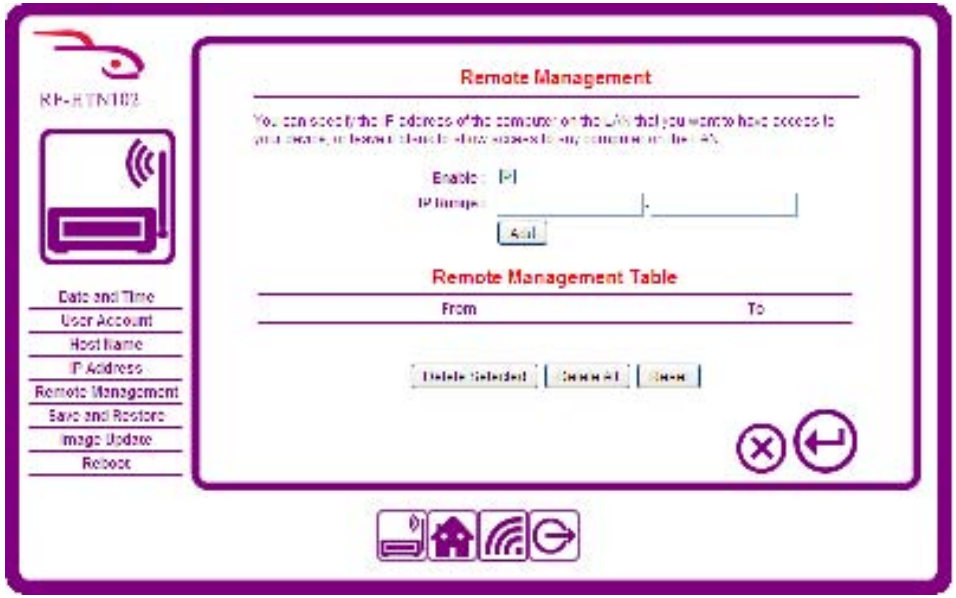
The IP Address is the address used to locate and identify the hub on your network. The default IP address of the hub is 192.168.1.50. On this screen you may change the IP address and subnet mask allocated to your hub if you have another device on your network which uses 192.168.1.50, for example. When you have entered the new IP Address, click the button to continue. If you wish to cancel, click the button.

Remote Management

If you wish to restrict access to the administration interface, you can do so here.

To restrict the access:

1. Check the **Enable** box.
2. Enter the range of IP Addresses you want to allow access to. If you only want to allow one IP Address to have access, enter it in the first field and leave the second field blank.
3. Click to save your settings and continue. If you wish to cancel, click the button.



Remote Management Table

This shows a list of IP addresses which are allowed access to the administration interface. You can remove selected ones by putting a check in the corresponding box and selecting **Delete Selected**. If the Remote Management

Table is empty, no restrictions are applied and any IP address on your LAN can access the hub.

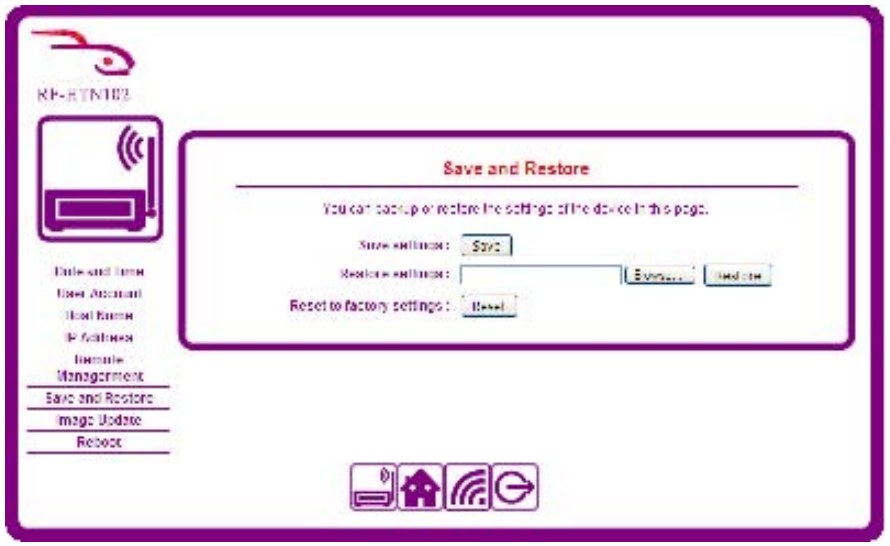
Backing up and Restoring Hub Settings

When you have configured the hub to your liking, you can back up the settings to a file in case you want to make changes and you are able to easily revert back to a trusted configuration.

To save the configuration, click the **Save** button. A window appears prompting you to save the file named config.bin. Choose a place on your computer to save the file and click the save button.

To restore the configuration from a previously saved configuration, click the **Browse** button, select the file on your computer in the window which appears and click **Open**. Click the **Restore** button. The router will update the settings according to those in the config.bin file and reboot.

To restore the hub to the factory settings, simply click the **Reset** button. Be aware that this will cause any configuration changes you have made to be lost.



Updating the Firmware of the RF-HTN102

From time to time, RocketFish may provide firmware updates to add or improve the existing features of your hub. If you need to update the firmware, click the **Browse** button and select the firmware file you downloaded and click **Open**. Click the **Upload & Update** button to begin the firmware update process.

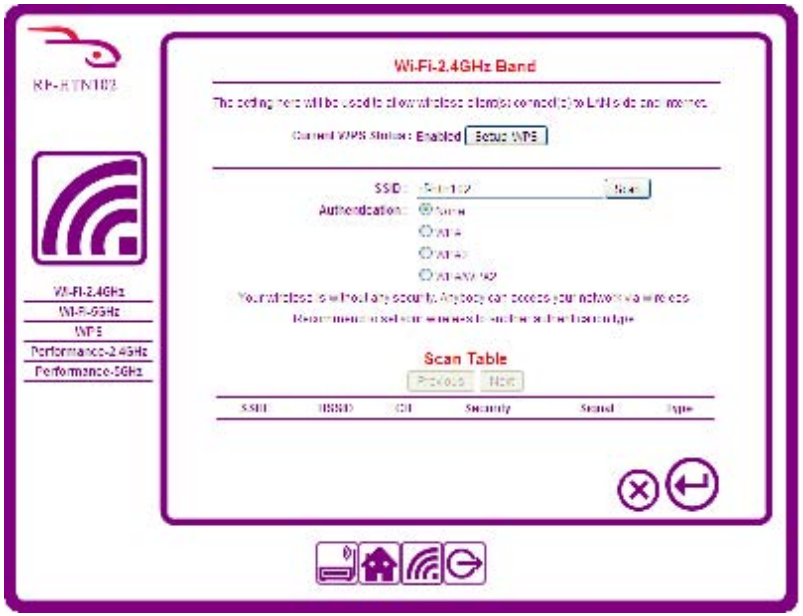
Note: The process of updating the firmware is a sensitive one. Ensure that you have the selected the correct firmware for your device and do not turn off the power to the router during the update.

Rebooting the Hub

To reboot the device, click the **Reboot** button. The device will power up again and retain your configuration.

Configuring Wireless Settings

To connect to a wireless network using your hub, login to the hub and click the icon. The Wi-Fi-2.4GHz Band page appears.



Connecting to a Wireless Network

To connect to another wireless network using 2.4GHz Wi-Fi:

1. Click the **Scan** button on the right hand side of the screen. A list of available networks appears after the hub scans for networks in range, including information about the broadcast channel, security type and signal strength. If there are more than 10 networks found, you can press the **Next** button to see those not listed on the first page.
2. Select the radio button for the network you wish to join. You can identify the network by the SSID.
3. Click to proceed.
4. If the network is open, your hub will join the network and you are ready to begin using your wireless hub. If there is security applied to the network, a new field will appear above the Scan Table called Passphrase/PSK. Enter the passphrase into the **Passphrase/PSK** field to join the network and click to proceed.
5. You are now ready to begin using your wireless network.

Scan Table

Previous Next

SSID	BSSID	CH	Security	Signal	Type
jim8200g	00:1C:F0:08:E6:08	11	WPA-PSK	80	INFRASTRUCTURE
101	00:02:B3:A5:A9:18	11	SHARED	82	INFRASTRUCTURE
rf-htn104	00:0F:A3:51:33:F0	11	WPA/WPA2-PSK	88	INFRASTRUCTURE
dlink	F0:7D:68:78:02:A6	11	OPEN	66	INFRASTRUCTURE
SD2_AP	00:1B:11:CC:DB:5E	10	WPA2-PSK	96	INFRASTRUCTURE
	00:20:B0:11:BB:A9	11	OPEN	58	INFRASTRUCTURE
dlink	00:19:5B:9C:AC:6D	10	OPEN	58	INFRASTRUCTURE
dlink	1C:AF:F7:40:BF:FA	6	OPEN	80	INFRASTRUCTURE
daby1522	00:24:01:A1:8E:D9	6	WPA2-PSK	90	INFRASTRUCTURE
dlink	00:1E:58:AF:F5:51	6	OPEN	98	INFRASTRUCTURE

To connect to another wireless network using 5GHz Wi-Fi:

1. Click the **Scan** button on the right hand side of the screen. A list of available networks appears after the hub scans for networks in range, including information about the broadcast channel, security type and signal strength. . If there are more than 10 networks found, you can press the **Next** button to see those not listed on the first page.
2. Select the radio button for the network you wish to join. You can identify the network by the SSID.
3. Click  to proceed.
4. If the network is open, your hub will join the network and you are ready to begin using your wireless hub. If there is security applied to the network, a new field will appear above the Scan Table called Passphrase/PSK. Enter the passphrase into the **Passphrase/PSK** field to join the network and click  to proceed.
5. You are now ready to begin using your wireless network.

Scan Table

Previous Next

	SSID	BSSID	CH	Security	Signal	Type
○	1522test	00:1E:58:4A:ED:5B	48	OPEN	60	INFRASTRUCTURE
○	SWR1100_media	F0:7D:68:78:92:90	48	OPEN	58	INFRASTRUCTURE
○	rf-htn104_media	00:15:E9:C3:EB:83	48	OPEN	48	INFRASTRUCTURE
○	SWR1100_media+	F0:7D:68:78:92:71	40	OPEN	38	INFRASTRUCTURE
○	SWR1100_media+???kk	F0:7D:68:78:92:70	40	WPA2-PSK	38	INFRASTRUCTURE
○	888	00:24:01:A1:8E:DF	36	OPEN	52	INFRASTRUCTURE
○	dlink_media	1C:BD:B9:AF:5B:5E	36	OPEN	68	INFRASTRUCTURE
○	dlink_media	1C:BD:B9:AF:5B:16	165	OPEN	34	INFRASTRUCTURE
○	dlink_media-fffffffffffffffff	00:BD:B9:AF:5B:54	165	OPEN	56	INFRASTRUCTURE
○	jamesa	5C:22:B0:FF:E9:08	161	WPA2-PSK	80	INFRASTRUCTURE

Configuring Advanced Wi-Fi 2.4GHz Settings

To adjust the advanced settings of the 2.4GHz Wi-Fi function, login to the hub and click on the icon, then select **Performance-2.4GHz** from the menu on the left.

Note: It is only recommended that you change these settings if you are experienced and familiar with what each of these settings does.

Wi-Fi Mode: Select a mode from the drop down menu. This will affect the wireless connection speed of your devices. Some older devices may not work if you choose to work in 11n alone.

Enable WMM: Wi-Fi Multimedia (WMM) is Quality of Service (QoS) for your router. Check this box to improve the quality of video and voice applications for your wireless clients. This cannot be selected for modes where 11n is operational.

Bandwidth: Select the frequency which you want to operate on by checking the radio box for **20MHz** or **20/40MHz.**

Guard Interval: The guard interval is the space between symbols being transmitted. It is often confused with the space between packets. Normal 802.11 operation is 800ns but with 802.11n, you may halve the time to wait to 400ns which can increase throughput.

Tx Rate: Only modifiable if 11n Wi-Fi Mode is selected. This allows you to specify the maximum transmission rate for the wireless network.

Tx Power: Sets the transmission power. Modifying this can help you to achieve more range on your network.

Preamble Type: The Preamble Type defines the length of the Cyclic Redundancy Check (CRC) block for communication between the hub and roaming wireless adapters.

Fragmentation Threshold: The 802.11 standard includes the ability for radio-based network interface cards (NICs) and access points to fragment packets for improving performance in the presence of RF interference and marginal coverage areas. The fragment size value can typically be set between 256 and 2,346 bytes. Setting it at or above 2,346 bytes effectively disables fragmentation.

RTS Threshold: Request To Send (RTS) is an optional feature which can reduce collisions on your network. Set a packet size between 0 and 2346. If the packet that the hub is transmitting is larger than the threshold, it will initiate the RTS function. If the packet size is equal to or less than the threshold, the hub will not kick off RTS. The use of 2346 bytes effectively disables RTS for the hub.

Click the  button to save your settings when you have finished. If you wish to cancel, press the  button.

Configuring Advanced 5GHz Wi-Fi Settings

To adjust the advanced settings of the 5GHz Wi-Fi function, login to the hub and click on the icon, then select **Performance-5GHz** from the menu on the left.

Note: It is only recommended that you change these settings if you are experienced and familiar with what each of these settings does.

Wi-Fi Mode: Select a mode from the drop down menu. This will affect the wireless connection speed of your devices. Some older devices may not work if you choose to work in 11n alone.

Enable WMM: Wi-Fi Multimedia (WMM) is Quality of Service (QoS) for your router. Check this box to improve the quality of video and voice applications for your wireless clients. This cannot be selected for modes where 11n is operational.

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Click the  button to save your settings when you have finished. If you wish to cancel, press the  button.

Troubleshooting

This section provides solutions to problems that can occur during the installation and operation of the RF-HTN102. Read the following descriptions if you are having problems. The following is written assuming you are using Windows XP. For other operating systems or versions of Windows, the steps provided may differ.

1. Why can't I access the web-based configuration utility?

When entering the IP address of the RocketFish router (192.168.1.50 for example), you are not connecting to a website hosted on the Internet. The Wi-Fi Invite Home Hub has the utility built-in to a ROM chip in the device itself. Your computer must be on the same IP subnet to connect to the web-based utility.

- The RF-HTN102 does not have a DHCP Server. Therefore, the first time you connect your computer to the hub, the hub will not be able to give you a local IP address. You will need to manually set your IP address to a local one in order to connect to the hub.
    - Click **Start > Settings > Control Panel.** Select **Network Connections**. Select the connection profile which is connected to the hub, most likely labeled **Local Area Connection**.
    - Select **Internet Protocol (TCP/IP)** and click **Properties**. Select the radio button **Use the following IP address** and give the connection a local IP address which is not in use already e.g. 192.168.1.111. Set the **Subnet Mask** to 255.255.255.0. Click **OK** twice.
    - Try to connect to the web-based configuration utility again.

- Make sure you have an updated Java-enabled web browser. We recommend the following:

    - Microsoft Internet Explorer® 6.0 and higher
    - Mozilla Firefox 3.0 and higher
    - Google™ Chrome 2.0 and higher
    - Apple Safari 3.0 and higher

- Verify physical connectivity on the device. Look at the front panel to see if there is a solid link light for the port you are trying to connect with. Try using a different cable or connect to a different port on the device if possible.

- Disable any Internet security software running on the computer. Software firewalls such as Zone Alarm, Black Ice, Sygate, Norton Personal Firewall, and Windows® XP firewall may block access to the configuration pages. Check the help files included with your firewall software for more information on disabling or configuring it.

- Configure your Internet settings:
    - Go to **Start** > **Settings** > **Control Panel**. Select the **Internet Options** Icon. From the **Security** tab, click the button to restore the settings to their defaults.
    - Click the **Connection** tab and set the dial-up option to Never Dial a Connection. Click the LAN Settings button. Make sure nothing is checked. Click **OK**.
    - Go to the **Advanced** tab and click the button to restore these settings to their defaults. Click **OK** three times.
    - Close your web browser (if open) and open it.
    - Access the web management. Open your web browser and enter the IP address of your RocketFish router in the address bar. This should open the login page for your web management.
    - If you still cannot access the configuration, unplug the power to the router for 10 seconds and plug back in. Wait about 30 seconds and try accessing the configuration. If you have multiple computers, try connecting using a different computer.

2. What can I do if I forgot my password?

If you forgot your password, you must reset your hub. Unfortunately this process will change all your settings back to the factory defaults.

To reset the hub, locate the reset button on the rear panel of the unit. With the router powered on, use a pen to hold the button down for 10 seconds. Release the button and the hub will go through its reboot process. Wait about 30 seconds to access the hub. The default IP address is 192.168.1.50. When logging in, the username is **admin** and leave the password box empty.

Technical Specifications

STANDARDS	IEEE 802.11n IEEE 802.11g IEEE 802.11b IEEE 802.11a IEEE 802.3 IEEE 802.3u
DEVICE INTERFACE	4 10/100 LAN Ports
SECURITY	Wi-Fi Protected Access (WPA, WPA2)
ADVANCED FEATURES	AP-Client supports up to 4 device Wi-Fi Invite
DEVICE MANAGEMENT	Internet Explorer 6 or later Mozilla Firefox 3.0 or later Safari 3 or later
LEDS	Power Connect WLAN Device1 Device2 Device3 Device4
CERTIFICATION	FCC / IC Wi-Fi
DIMENSIONS (WxDxH)	Device: 180*171*55mm (7.1"*6.7"*2.2")
	Packaging: 308.9*218.9*90.5mm (12.2"*8.6"*3.56")
WEIGHT	Device: 484.9grams (1.07lbs)
	Packaging: 676.8grams (1.49lbs)
WARRANTY	1-Year Limited (US only)

FCC

Federal Communication Commission Interference Statement

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.

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. For operation within 5.15 ~ 5.25GHz frequency range, it is restricted to indoor environment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

Industry Canada statement: This device complies with Industry Canada licence-exempt RSS standard(s). 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.

Règlement d'Industry Canada

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IMPORTANT NOTE:

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 20cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements définies par IC pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre le radiateur et votre corps.

Antenna statement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada.

Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.