

# DIR-632 Applying WEP Encryption

1. Using an Internet Browser type into the URL:

<http://192.168.0.1>

The image shows the "LOGIN" page of the router. It has a title "LOGIN" and a subtitle "Log in to the router:". Below this is a form with a "User Name" dropdown menu set to "Admin", a "Password" text input field, and a "Login" button. A red rectangular box highlights the entire login form area.

## WIRELESS

Type in your Password if you have changed it, or leave it blank and then click on the Login button.

2. Click on the [WIRELESS SETTINGS] menu > [Manual Wireless Network Setup]

The image shows the "WIRELESS SETTINGS" page in the router's web interface. The "SETUP" menu item is highlighted in the top navigation bar. On the left sidebar, "WIRELESS SETTINGS" is also highlighted. The main content area is titled "WIRELESS SETTINGS" and contains three sections: "WIRELESS NETWORK SETUP WIZARD" with a "Wireless Network Setup Wizard" button, "ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD" with an "Add Wireless Device with WPS" button, and "MANUAL WIRELESS NETWORK SETUP" with a "Manual Wireless Network Setup" button. The "Manual Wireless Network Setup" button is highlighted with a red box. On the right side, there is a "Helpful Hints..." section with text and a "More..." link.

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3. Under the WIRELESS SECURITY MODE heading select from the dropdown "WEP".

### WIRELESS NETWORK SETTINGS

**Enable Wireless :**  Always

**Wireless Network Name :**  (Also called the SSID)

**802.11 Mode :**

**Enable Auto Channel Scan :**

**Wireless Channel :**

**Channel Width :**

**Visibility Status:**  Visible  Invisible

### WIRELESS SECURITY MODE

To protect your privacy you can configure wireless security features. This device supports three wireless security modes including: WEP, WPA-Personal, and WPA-Enterprise. WEP is the original wireless encryption standard. WPA provides a higher level of security. WPA-Personal does not require an authentication server. The WPA-Enterprise option requires an external RADIUS server.

**Security Mode :**

### WEP

WEP is the wireless encryption standard. To use it you must enter the same key(s) into the router and the wireless stations. For 64 bit keys you must enter 10 hex digits into each key box. For 128 bit keys you must enter 26 hex digits into each key box. A hex digit is either a number from 0 to 9 or a letter from A to F. For the most secure use of WEP set the authentication type to "Shared Key" when WEP is enabled.

You may also enter any text string into a WEP key box, in which case it will be converted into a hexadecimal key using the ASCII values of the characters. A maximum of 5 text characters can be entered for 64 bit keys, and a maximum of 13 characters for 128 bit keys.

If you choose the WEP security option this device will **ONLY** operate in **Legacy Wireless mode (802.11B/G)**. This means you will **NOT** get 11N performance due to the fact that WEP is not supported by the Draft 11N specification.

**Wep Key Length :**  (length applies to all keys)

**WEP Key 1 :**

**Authentication :**

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It is recommended to change the Wireless Network Name (SSID) to a name of your liking, in this example it is called "dlink". Enable Auto Channel Selection can be enabled however it is not mandatory. The Wireless Channel can be changed, Channel's 1, 6 and 11 are non overlapping and are recommended.

Under the WEP heading you may select a higher WEP Encryption to use e.g. 128Bit (this means your WEP Key will be longer and considered harder to guess). Now under the WEP Key you are to enter in either 5 ASCII characters or 10 Hexadecimal characters. The WEP Key is considered to be your Wireless Password. REMEMBER IT!

5. Now proceed to click on the Save Settings button on the top of the web page.

6. WEP Encryption is now configured.

### **IMPORTANT:**

*If you decide to change your Wireless Encryption password, you will need to remove your existing Wireless Profile or edit it to reflect the new changes.*

*Please remember to ensure your DIR-632 has the most current firmware version applied. To apply this firmware please refer to the Technical Support Knowledge Base.*