

# Firmware Upgrade Procedures: D-Link DIR-130 v1 fw 1.12 (and 1.10)

## 1. General Information

**Make:** D-Link

**Model:** DIR-130

**Hardware Version:** 1 (labeled on the device as A1)

**Firmware Version:** 1.10, 1.12

### MAC Address Info:

**WLAN MAC:** N/A (device is a wired router).

**LAN MAC:** one less than the WAN MAC.

**WAN MAC:** labeled on the bottom of the device.

**Example:** if the WAN MAC printed on the device is 00:11:DE:AD:BE:EF, then the LAN MAC is 00:11:DE:AD:BE:EE. When pre-planning on CherryWeb, enter the LAN MAC into the fields for both LAN and WLAN MAC.

### Defaults Settings/Configuration:

**Default LAN IP Address:** 192.168.0.1

**Web Interface Username:** admin

**Default Web Interface Password:** (empty)

**Additional Notes:** wired router (i.e., no wireless)

## 2. Wired Upgrade Procedure

### Prerequisites:

- Windows XP client computer with ethernet interface and firmware file
- ethernet cable
- device LAN IP address (referred to below as <Device\_LAN\_IP\_Address>)
- device web interface password
- if you are upgrading from a 1.10 firmware to a Cherry Blossom 1.12 firmware, you will need the manufacturer's 1.12 firmware (included on CD as dir130\_firmware\_112\_MANU\_ORIGINAL.bin).

**Limitations:** if you are upgrading from a 1.10 firmware to a Cherry Blossom 1.12 firmware, you will first need to upgrade to the manufacturer's 1.12 firmware (included on CD as dir130\_firmware\_112\_MANU\_ORIGINAL.bin).

**IMPORTANT:** Use Internet Explorer browser when upgrading (Firefox 3.5 does not work).

**Firmware Filename:** dir130\_firmware\_N[X].bin (where N is the firmware version (110 or 112) and [X] is an optional string)

**Instructions:**

- Connect a wired (ethernet) client with DHCP enabled to a LAN port on the device with an ethernet cable. If you are not served an IP address by the device, you will need to determine the device LAN IP address (see next step) and manually assign the wired client an IP address in the same subnet as the device LAN IP address. For example, if the device LAN IP address is 192.168.0.1, assign yourself an IP address of 192.168.0.11.
- Determine the <Device\_LAN\_IP\_Address>. If the device is running DHCP, the device IP address is likely the default gateway of your connected client; otherwise, if the device IP address is not the default IP address listed above, the device IP address can be retrieved using a network discovery tool (e.g., nmap).
- Log on to the device's web interface by opening a Internet Explorer and pointing it to http://<Device\_LAN\_IP\_Address>, where "<Device\_LAN\_IP\_Address>" is the device IP address determined from the previous step (i.e., not the literal string "<Device\_LAN\_IP\_Address>"). For example, if the <Device\_LAN\_IP\_Address> is 192.168.0.1, use http://192.168.0.1.
- At the login prompt, enter the web interface username/password and click OK.
- **IMPORTANT:** if the firmware version in the upper right of the screen is "1.10", and you are upgrading to a "1.12" Cherry Blossom firmware, you must first upgrade the device to the manufacturer's 1.12 firmware (included on the CD). Follow the remaining steps, using the manufacturer's original 1.12 firmware from the CD (dir130\_firmware\_112\_MANU\_ORIGINAL.bin).
- To upgrade firmware, click the "Maintenance" tab on the upper center of the page.
- Then click the "Firmware" link on the left.
- Click the firmware updates "Check Now" (or similar) button and wait for a response.
- Click the "Browse..." button by the "Update:" box and browse to the dir130\_firmware\_N[X].bin firmware file on the client computer (if you are upgrading to the manufacturer's original 1.12, use dir130\_firmware\_112\_MANU\_ORIGINAL.bin).
- Click the "Apply" button.
- Watch the interface for any additional steps/error messages/information.

**Reboots Automatically After Upgrade:** Yes

**Approximate Upgrade Time:** 200 seconds

**Known Issues:** None

### **3. Wireless Upgrade Procedure**

N/A (device is a wired router).

