KYOCERA KR1 MOBILE ROUTER FIRMWARE RECOVERY PROCEDURE

VISTA AND WINDOWS XP\WINDOWS 2000

Note: This procedure should be used *only* if attempts to download firmware to your Kyocera KR1 Mobile Router have been unsuccessful.

Before You Begin

Caution: To prevent firmware upgrade failure, do not use the Firefox® browser during the firmware recovery process.

- All power must be disconnected for the firmware recovery settings to take effect. *Ensure that power is not supplied to your Kyocera KR1 Mobile Router, and that all cables are disconnected before proceeding*.
- Remove your 1xEV-DO card, and disconnect any other USB phone cable, as applicable.
- A LAN cable and connection are required for this procedure. Please ensure you have access to the proper cable before proceeding.
- The latest firmware file must be saved to your local directory before performing the steps below. The firmware can be obtained by logging into: **http://www.kyocera-wireless.com/kr1-router/firmware.htm**.

  Note for Internet Explorer (IE) 7.0 Users: Both a **loader file** and **firmware file** are required to complete the firmware recovery procedure. The loader file can also be obtained by logging into: **http://www.kyocera-wireless.com/kr1-router/firmware.htm**.

Firmware Recovery–Dynamic and Static Addressing

Note: This procedure varies depending on your operating system. Please reference sections for Vista, or Windows XP \Windows 2000, as applicable.

IP (Internet Protocol) addresses are needed by network devices such as your Kyocera KR1 Mobile Router and computer, to identify and communicate with each other. When your computer is connected to your router, it does not have an IP address. Therefore, your router will assign one. This is called dynamic addressing.

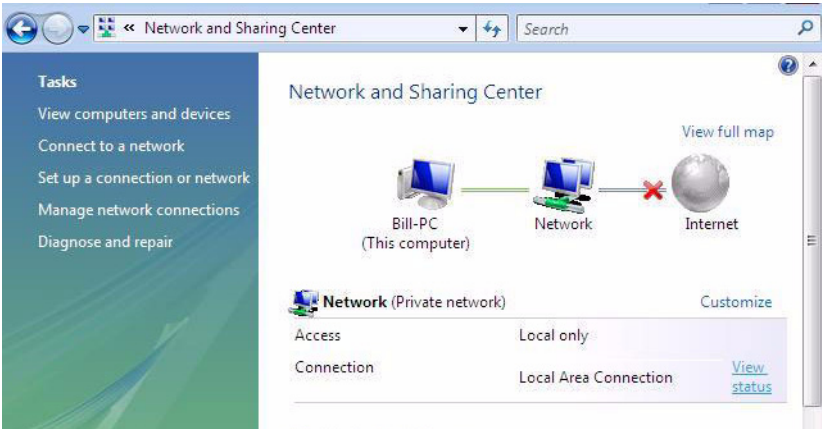
For successful firmware recovery, you must create a static IP address, prepare your router for firmware recovery, and reset the dynamic IP address. Please ensure all steps are performed in the sequence listed below:

1. **Create the Static IP Address**. During this process, you create the static IP address.
2. **Prepare your Router for Firmware Recovery**. During this process, you establish your Windows IP address by entering the **IP address**, **Subnet mask** and **Default gateway**.
3. **Reset the Dynamic IP Address**. During this process you will be asked to reset your computer to accept dynamic IP addressing.

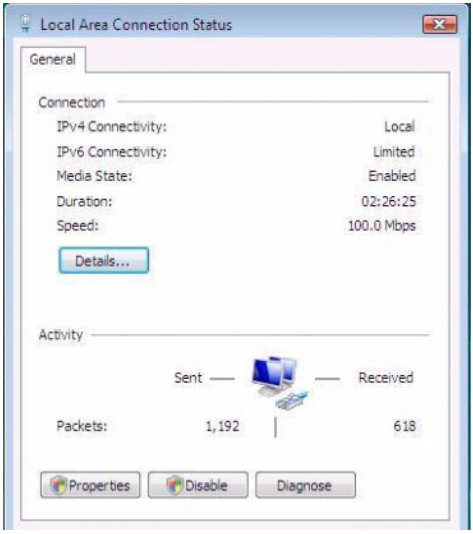
VISTA–CREATE THE STATIC IP ADDRESS

1. Navigate to your computer's **Control Panel**.
2. Select **Network and Sharing Center**.

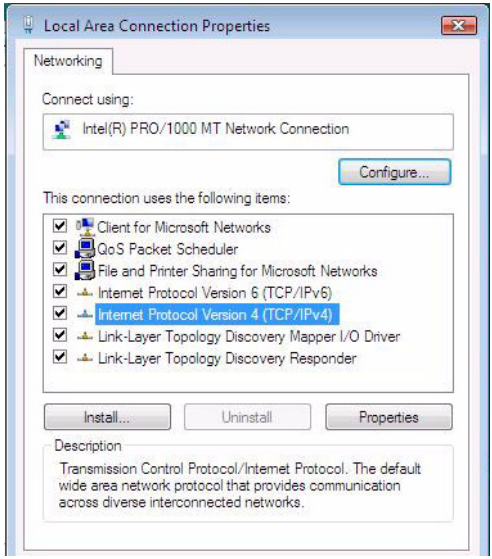
3. Under **Network (Private Network)** select **View status**.



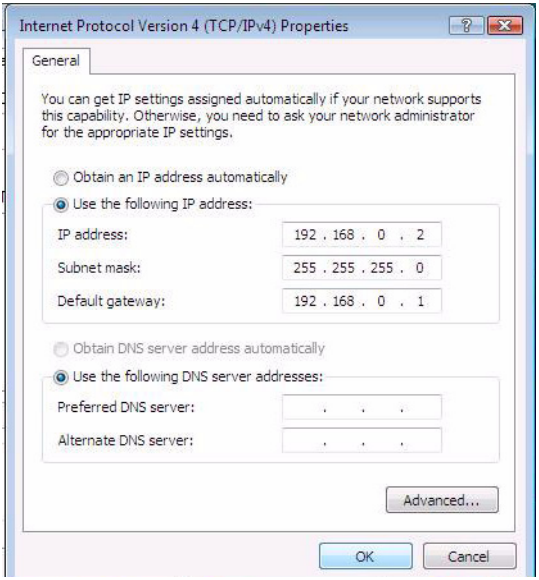
4. The **Local Area Connection Status** window will appear. Select **Properties**.



5. The **Local Area Connection Properties** window will appear. Highlight the text for **Internet Protocol version 4 (TCP/IPv4)**. Ensure the box next to this selection is checked. Select **Properties**.



6. The **Internet Protocol Version (TCP/IPv4) Properties** window will appear. Select **Use the following IP address**.



Enter the following **IP address**, **Subnet mask** and **Default gateway** to establish your Windows IP address:

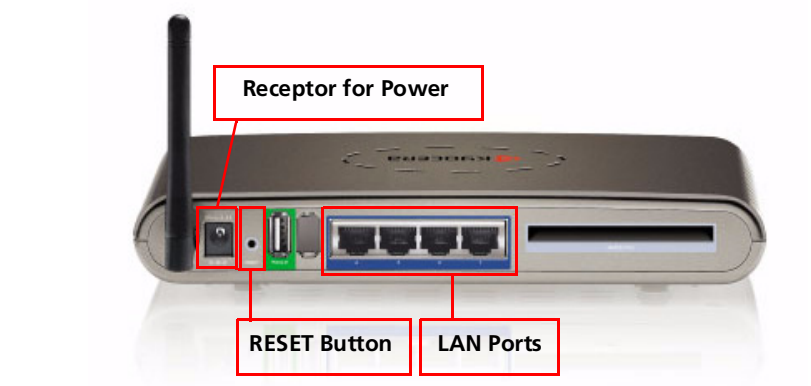
IP address: 192.168.0.2
Subnet mask: 255.255.255.0
Default gateway: 192.168.0.1

7. Click **OK** to close the **Internet Protocol Version (TCP/I Pv4) Properties** window.
8. Click **OK** to close the **Local Area Connection Properties** window.

VISTA–PREPARE YOUR ROUTER FOR FIRMWARE RECOVERY

Note for Internet Explorer (IE) 7.0 Users: For successful firmware recovery, you must install both a **firmware file** and a **loader file**. Both files can be obtained by logging into: **http://www.kyocera-wireless.com/kr1-router/firmware.htm**.

1. Using the tip of a paperclip, press and hold the **RESET** button, while simultaneously plugging in the power supply via the power adapter receptor. Hold the button for 10 seconds, and then release it.



Note: The **POWER LED** will illuminate green, and the **STATUS LED** will blink green, indicating proper connections.

2. Connect the LAN cable to one of the four LAN ports. The LED of the LAN port you select will illuminate green.
3. Launch your web browser.

Note: An error message may appear. Disregard this message, and continue with the steps below.

4. Enter **192.168.0.1** in the address line of your web browser, and press **GO**.

Installing the Loader File

1. Select **Browse**. A dialogue box will appear. Select your desired loader file. Click **Open**.
2. Click **Send**, to send the latest loader file to your router.

Caution: Your router and computer may not provide an accurate indication of activity. An error screen may appear. This is normal. Please do not click any buttons once the loader file download process has started. Doing so could disrupt the process, and cause your router to malfunction. Please be patient. The process is complete when the WLAN LED blinks green.

Installing the Firmware File

1. Disconnect power to your router.
2. Using the tip of a paperclip, press and hold the **RESET** button, while simultaneously plugging in the power supply via the power adapter receptor. Hold the button for 10 seconds, and then release it.

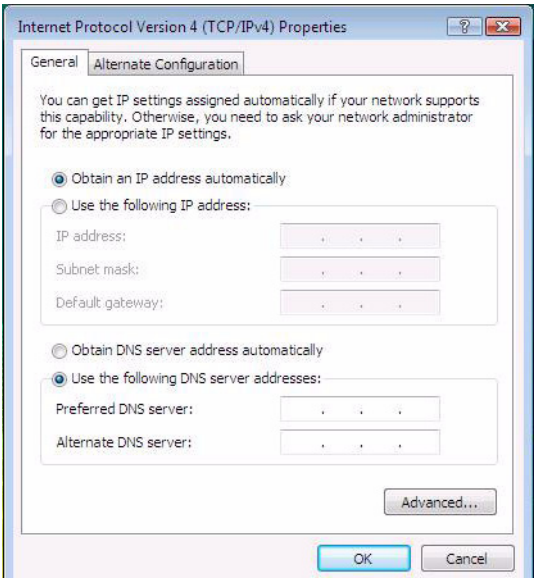
Note: The **POWER LED** will illuminate green, and the **STATUS LED** will blink green, indicating proper connections.

3. Enter **192.168.0.1** in the address line of your web browser, and press **GO**.
4. Select **Browse**. A dialogue box will appear. Select your desired firmware file. Click **Open**.
5. Click **Send**, to send the latest firmware file to your router.

Caution: Your router and computer may not provide an accurate indication of activity. An error screen may appear. This is normal. Please do not click any buttons once the firmware file download process has started. Doing so could disrupt the process, and cause your router to malfunction. Please be patient. The firmware download process will take 5 to 10 minutes. The process is complete when the WLAN LED blinks green.

VISTA–RESET THE DYNAMIC IP

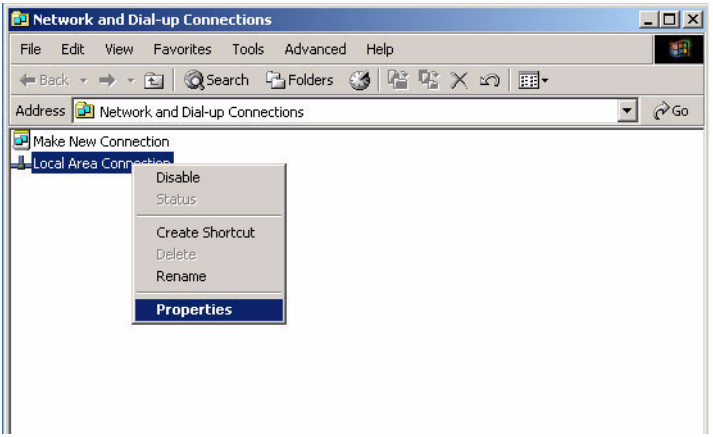
1. Navigate to your computer's **Control Panel**.
2. Select **Network and Sharing Center**.
3. Under **Network (Private Network)** select **View status**.
4. The **Local Area Connection Status** window will appear. Select **Properties**.
5. The **Local Area Connection Properties** window will appear. Highlight the text for **Internet Protocol version 4 (TCP/IPv4)**. Ensure the box next to this selection is checked. Select **Properties**.
6. The **Local Area Connection Properties** screen will appear. Select **Internet Protocol version 4 (TCP/IPv4)**.
7. Select **Obtain an IP address automatically**.



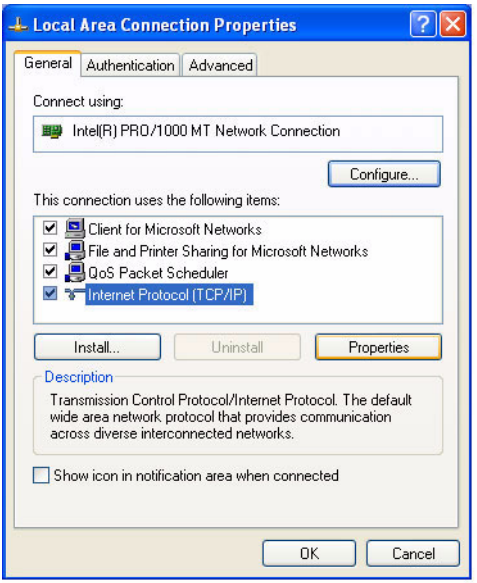
8. Click **OK** to close the **Internet Protocol (TCP/IPv4) Properties** window.
9. Select **Close** to close the **Local Area Connection Properties** window, and reset the dynamic IP address settings.
10. Close any windows you may have left open, including your web browser.
11. Congratulations. Your Kyocera KR1 Mobile Router is now ready for normal operations.

WINDOWS XP\WINDOWS 2000–CREATE THE STATIC IP ADDRESS

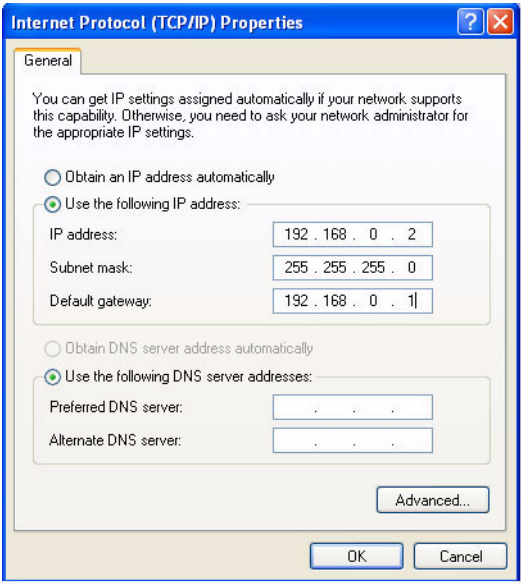
1. Right click **My Network Places**.
2. Select **Properties**.
3. Right click **Local Area Connection**.
4. Select **Properties**.



5. Select **Internet Protocol (TCP/IP)**.
6. Click **Properties**.



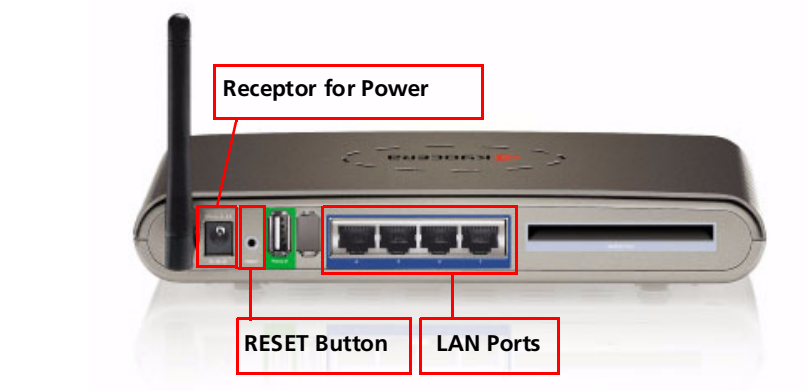
7. Click **Use the following IP Address**.
Enter the following IP address, Subnet mask, and Default gateway to establish your
IP address: 192.168.0.2
Subnet mask: 255.255.255.0
Default gateway: 192.168.0.1



8. Click **OK** to close the **Internet Protocol (TCP/IP) Properties** window.
9. Select **Close** to close the **Local Area Connection Properties** window.

WINDOWS XP\WINDOWS 2000–PREPARE YOUR ROUTER FOR FIRMWARE RECOVERY

1. Using the tip of a paperclip, press and hold the **RESET** button, while simultaneously plugging in the power supply via the power adapter receptor. Hold the button for 10 seconds, and then release it.



Note: The **POWER LED** will illuminate green, and the **STATUS LED** will blink green, indicating proper connections.

2. Connect the LAN cable to one of the four LAN ports. The LED of the LAN port you select will illuminate green.
3. Launch your web browser. An error message may appear. Disregard this message, and continue with the steps below.
4. Enter **192.168.0.1** in the address line of your web browser, and press **GO**.

INSTALLING THE LOADER FILE

Note: If you are running IE (Internet Explorer) 7.0, you will need to install a loader file and a firmware file. If you running an earlier version of IE, please proceed to **"Installing the Firmware File" on page 11**.

1. Select **Browse**. A dialogue box will appear prompting you to select the latest loader file. Select your desired loader file, and click **Open**.

2. Click **Send**, to send the latest loader file to your router.

Note: Your router and computer may not provide an accurate indication of activity. An error screen may appear. This is normal. Please do not click any buttons once the loader file download process has started. Doing so could disrupt the process, and cause your router to malfunction.Please be patient. The process is complete when the WLAN LED blinks green.

INSTALLING THE FIRMWARE FILE

1. Disconnect power to your router.
2. Using the tip of a paperclip, press and hold the **RESET** button, while simultaneously plugging in the power supply via the power adapter receptor. Hold the button for 10 seconds, and then release it.

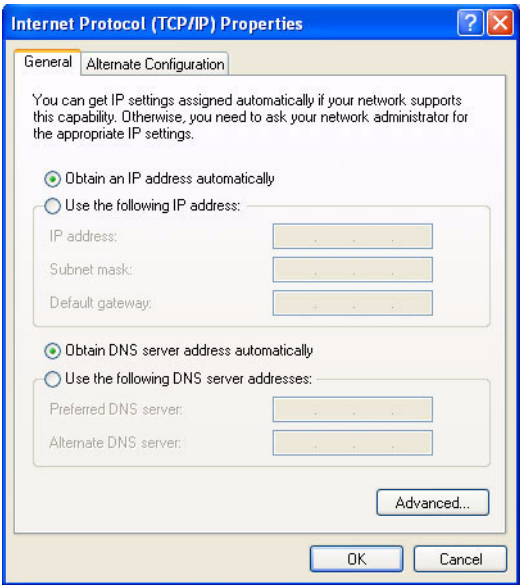
Note: The **POWER LED** will illuminate green, and the **STATUS LED** will blink green, indicating proper connections.

3. Enter **192.168.0.1** in the address line of your web browser, and press **GO**.
   A screen similar to the following will appear.
4. Select **Browse**. A dialogue box will appear prompting you to select your desired firmware file version. Select your desired firmware version, and click **Open**.
5. Click **Send**, to send the latest firmware file to your router.

Caution: Your router and computer may not provide an accurate indication of activity. An error screen may appear. This is normal. Please do not click any buttons once the loader file download process has started. Doing so could disrupt the process, and cause your router to malfunction. Please be patient. The firmware download process will take 5 to 10 minutes. The firmware download process is complete when the WLAN LED blinks green.

WINDOWS XP\WINDOWS 2000–RESET THE DYNAMIC IP

1. Right click **My Network Places**.
2. Select **Properties**.
3. Right click **Local Area Connection**.
4. Select **Properties**.
5. Click **Internet Protocol (TCP/IP)**.
6. Click **Properties**.
7. Click **Obtain an IP address automatically**.



8. Click **OK** to close **Internet Protocol (TCP/IP) Properties** window.
9. Select **Close** to close the **Local Area Connection Properties** window, and reset the Dynamic IP address settings.
10. Close any windows you may have left open, including your web browser.
11. Congratulations. Your Kyocera KR1 Mobile Router is now ready for normal operations.

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82-G1770-1EN, Rev. 001

FCC Compliance Statement

FCC Notice:

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.

Caution:

The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the warranty and users' authority to operate the equipment.

Note:

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 or more 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.

Caution:

To comply with the FCC RF exposure compliance requirements, this device must not be co-located or operating in conjunction with any other antenna or transmitter.