

This section is an excerpt from the *MobileLAN access WA2X System Manual* (073915-002).

Upgrading the Access Points

For optimal performance, you should install the most current software version on all the access points in your network. To upgrade the software, you must copy the software release to your PC and then upload the release to your root access point and other access points. However, you can also configure the root access point to copy the release to all other access points in its spanning tree.

You can upgrade the access point software using:

- Wavelink Avalanche client management system. For help, see “Using the Wavelink Avalanche Client Management System” in the *MobileLAN access WA2X System Manual* and the Wavelink Avalanche documentation and online help. Or, you can visit the Wavelink web site at www.wavelink.com.
- the MobileLAN access Utility as a distributed upgrade server. For help, see the next section, “Using the MobileLAN access Utility,” and the online help.
- a web browser interface. For help, see “Using a Web Browser Interface” on page 213.

To copy the upgrade file to your PC

- 1** Using a web browser, navigate to www.intermec.com.
- 2** From the **Service & Support** menu, choose **Downloads**.
- 3** Select the MobileLAN access product that you are upgrading.
- 4** Click the software link to save the upgrade file on your PC.

Using the MobileLAN access Utility

The MobileLAN access Utility enables your PC to act as a distributed upgrade server. The PC stores the upgrade software and you configure the root access point to retrieve the software at a specified time. You can also configure the root access point to inform other access points in its spanning tree where they can get the software so they can be upgraded.

If you use this utility, you only need to configure the root access point and all access points will be upgraded. However, when the access points request the upgrade software, the utility must be active.

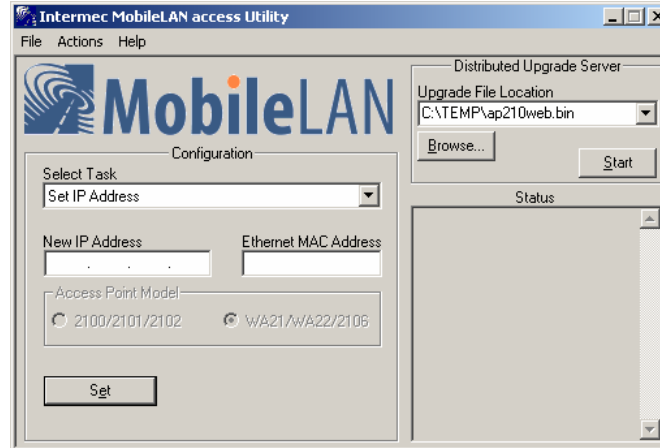


Note: The PC that is running the MobileLAN access Utility does not need to be on the same IP subnet as the access points.

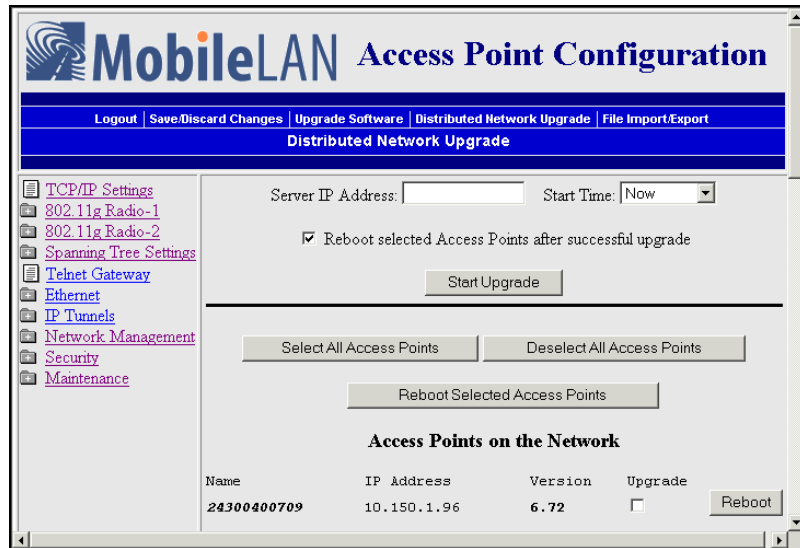
For help installing the MobileLAN access utility, see “Using the MobileLAN access Utility” in the *MobileLAN access WA2X System Manual*.

To upgrade the access point software

- 1 Start the utility.
- 2 In the **Upgrade File Location** field, type the path and filename of the upgrade file (AP*WEB.BIN) or click **Browse** to find the file. For example, AP220WEB.BIN.



- 3 Click **Start**. The utility must remain active until the upgrade procedure is complete; do not close the utility.
- 4 Configure the root access point to retrieve the software:
 - a From the **Actions** menu, click **Configure Access Point**, and then enter the IP address of the root access point. A web browser session is established.
 - b From the menu bar, click **Distributed Network Upgrade**. The Distributed Network Upgrade screen appears.



- c In the **Server IP Address** field, enter the IP address of the PC that contains the software release and that is running the utility.
- d In the **Start Time** field, choose when you want the upgrade to start.
- e Check the **Reboot selected Access Points after successful upgrade** check box if you want the access points to run the upgraded software after it is downloaded.

If you clear this check box, you will need to reboot the access points when you want them to run the upgraded software.

- 5 Configure the root access point to tell the other access points where to get the upgraded software.
 - a Under the Access Points on the Network title, you can see a list of all the access points in the spanning tree.
 - b Check the **Upgrade** check box of all access points you want to upgrade.
 - c To select all the access points that are listed, click the **Select All Access Points** button. Or to deselect all the access points that are selected, click the **Deselect All Access Points** button.

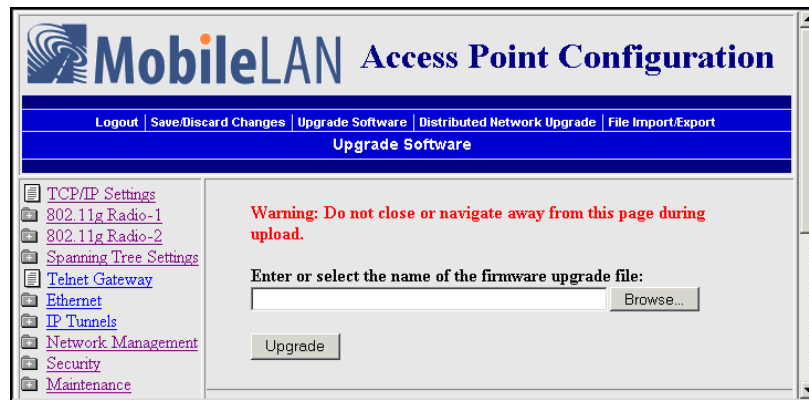
When the start time expires, the root access point retrieves the upgrade software and reboots. When it is done rebooting, it will be running the new software. The other access points that you configured to be upgraded will also retrieve the upgrade software. If you checked the **Reboot selected Access Points after successful upgrade** check box, they will also reboot, and then they will be running the new software.

Using a Web Browser Interface

You can use a web browser interface to upgrade the access points one at a time. In other words, for each access point you want to upgrade, you will need to establish a web browser session with it, upgrade its software, save the new configuration, and reboot it.

To upgrade the access point software

- 1 Establish a web browser session with the access point you want to upgrade.
- 2 From the menu bar, click **Upgrade Software**. The Upgrade Software screen appears.



- 3 Enter the path and filename of the upgrade file (AP*WEB.BIN) or click **Browse** to find the file on your PC. For example, AP220WEB.BIN.
- 4 Click **Upgrade** to start the upgrade. The upgrade may take up to 3 minutes to complete.
- 5 When the upgrade is complete, click **Save Changes and Reboot**.

When the access point is done rebooting, it is upgraded to the new software. Repeat this procedure for each access point you want to upgrade.

Troubleshooting the Upgrade

Each access point on a wired LAN requires approximately 3 minutes to upgrade (it takes slightly longer for wireless access points). The web browser screen updates every 30 seconds as the upgrade progresses and shows the final status when all upgrades are complete. If you checked the **Reboot selected Access Points after successful upgrade** check box, the web browser disconnects. Click the **Refresh** button to log in again.

Errors may occur during the upgrade process or during the final reboot. If an error occurs, an explanation appears on the web browser screen.

If an error occurs during the upgrade, none of the access points reboot. You should:

- 1 Recheck the access points where the error occurred.
- 2 Click **Start Upgrade** to attempt the upgrade again. If the upgrade is successful and you checked the **Reboot selected Access Points after successful upgrade** check box, the access points will reboot.

If an error occurs during the final reboot, you should:

- 1 Wait 5 minutes for the access points that did not reboot to refresh.
- 2 Refresh your web browser screen and check the access points that are not running the new version.
- 3 Click **Start Upgrade** to attempt the upgrade again. If the upgrade is successful and you checked the **Reboot selected Access Points after successful upgrade** check box, the access points will reboot according to your Reboot selection.

If you need to downgrade an access point to an earlier release, contact Intermec Technical Support.