



Firmware Upgrade Procedures

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Firmware Upgrade Procedures:

Here are the instructions on getting this file onto the JBM device:

Upgrading From the Web GUI:

This procedure can be accomplished whether you are local to or remote to the unit.

CAUTION:

If the aircard that is being utilized in the remote JBM unit is on the AT&T network and requires a Username, Password, and APN combination to access the Internet; this will render the aircard inoperative until such time when someone can login to the device locally and input the Username, Password, and APN into the Cellular Network Settings screen and Apply.

1. Login to the JBM device via the Web GUI
 - a. <http://<IP Address of unit>:10000>
 - b. Enter username; default is "jbmadmin" (if you have changed this then enter your defined username).
 - c. Enter the password; Serial number of the device.

The screenshot shows the JBM Web GUI Configuration page. The top navigation bar includes 'Configuration', 'Management', 'Diagnostics', and 'Advanced'. The 'Configuration' section is active, with a sidebar menu containing 'Admin', 'Network', 'Security', 'Services', 'System', and 'Advanced'. The main content area displays the 'Access Settings' section, which includes a 'Select Web Access Method' dropdown menu set to 'HTTP', a 'Cancel' button, and an 'Apply' button. Below this are sections for 'Account Settings' and 'Gateway Management Utility Client Settings'. The footer contains the JBM Electronics Co. address (4645 LaGuardia Drive, St. Louis, MO 63134), the JBM Electronics logo, and contact information: Toll Free: (800) 489-7781, Fax: (314) 426-0007, and Web: www.jbmelectronics.com.

2. Under the Configuration Tab click on the "System" menu item.

The screenshot shows the JBM Electronics configuration web interface. At the top, there are four tabs: Configuration, Management, Diagnostics, and Advanced. The 'Configuration' tab is active. On the left side, there is a vertical menu with items: Admin, Network, Security, Services, System (highlighted with a white background and a right-pointing arrow), and Advanced. The main content area shows the 'Date & Time' settings expanded. It includes fields for 'Right now:' (Sun Jun 11 23:34:10 UTC 2006), 'Time Zone:' (US-Central), 'Month:' (January), 'Day:' (1), 'Year:' (2006), 'Hour:' (12 AM), 'Minute:' (00), 'Sync to NTP Server:' (No), 'Enter NTP Server Name/IP:' (empty text box), and 'Update frequency:' (Hourly). Each of these fields has a yellow question mark icon to its right. At the bottom of this section are 'Cancel' and 'Apply' buttons. Below the 'Date & Time' section are three other expandable sections: 'Firmware Upload & Flash Utility', 'Import / Export System Configuration', and 'Package Upload & Install'. At the bottom of the interface, there is contact information for JBM Electronics Co. (4645 LaGuardia Drive, St. Louis, MO 63134), the JBM Electronics logo, and contact details (Toll Free: (800) 489-7781, Fax: (314) 426-0007, Web: www.jbmelectronics.com).

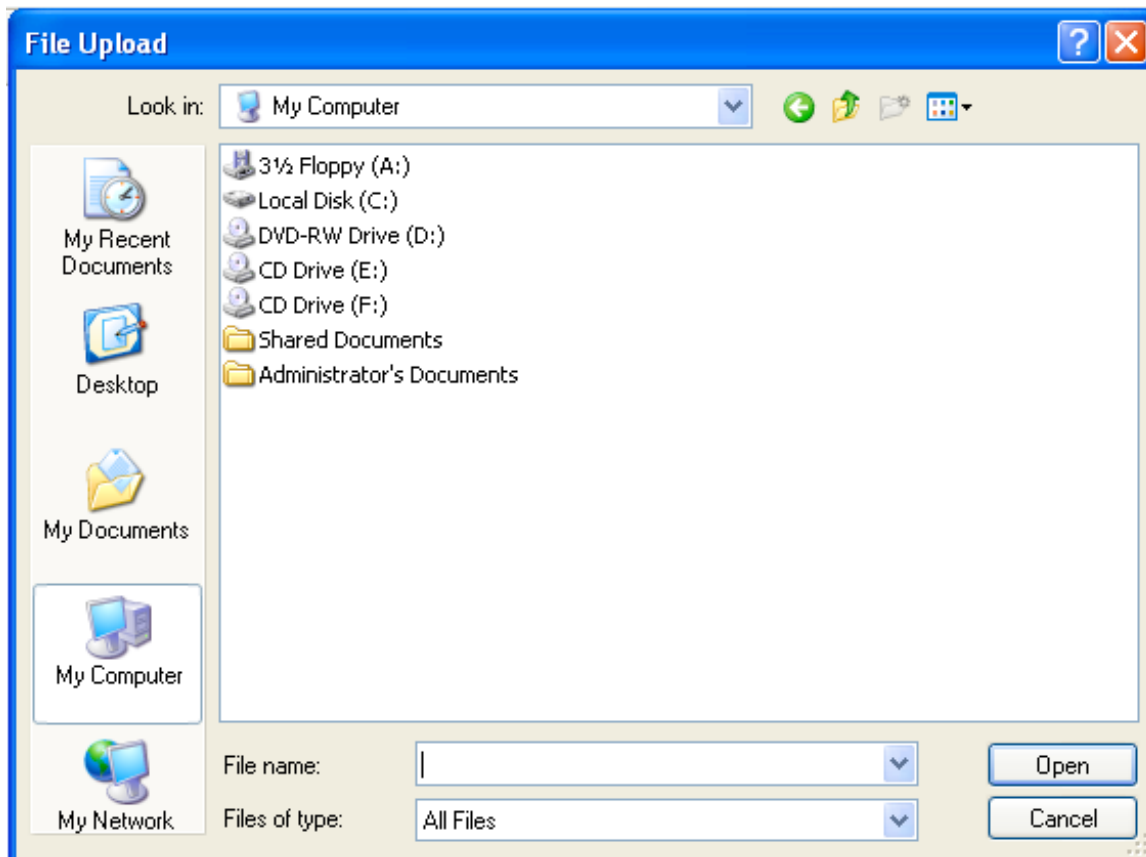
3. Click on the "-" sign next to the "Date & Time" to close that section of the display.

This screenshot shows the same JBM Electronics configuration web interface as the previous one, but with the 'Date & Time' section collapsed. The left-hand menu remains the same, with 'System' still highlighted. The main content area now shows the 'Firmware Upload & Flash Utility', 'Import / Export System Configuration', and 'Package Upload & Install' sections expanded. The 'Date & Time' section is now a thin, collapsed bar at the top of the main content area. The footer information, including the JBM Electronics logo and contact details, remains the same.

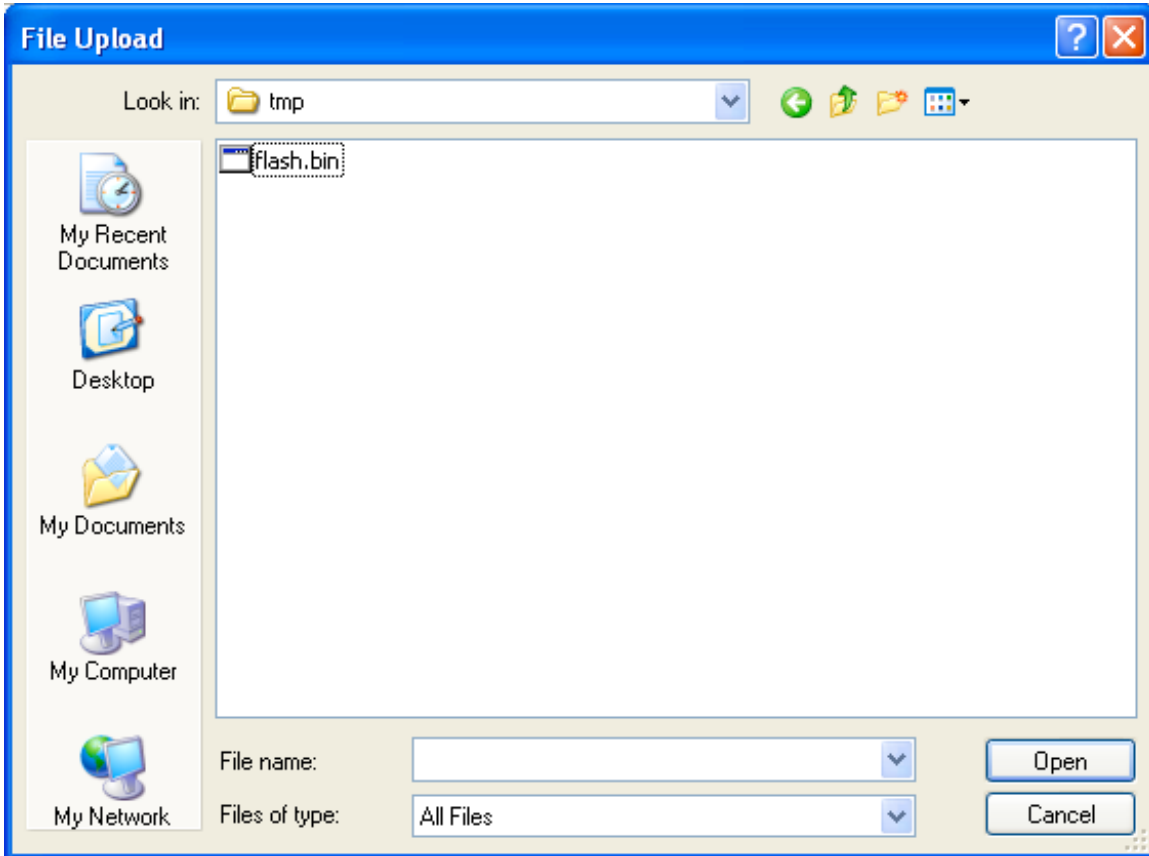
4. Click on the “+” sign next to the “Firmware Upload & Flash Utility”.



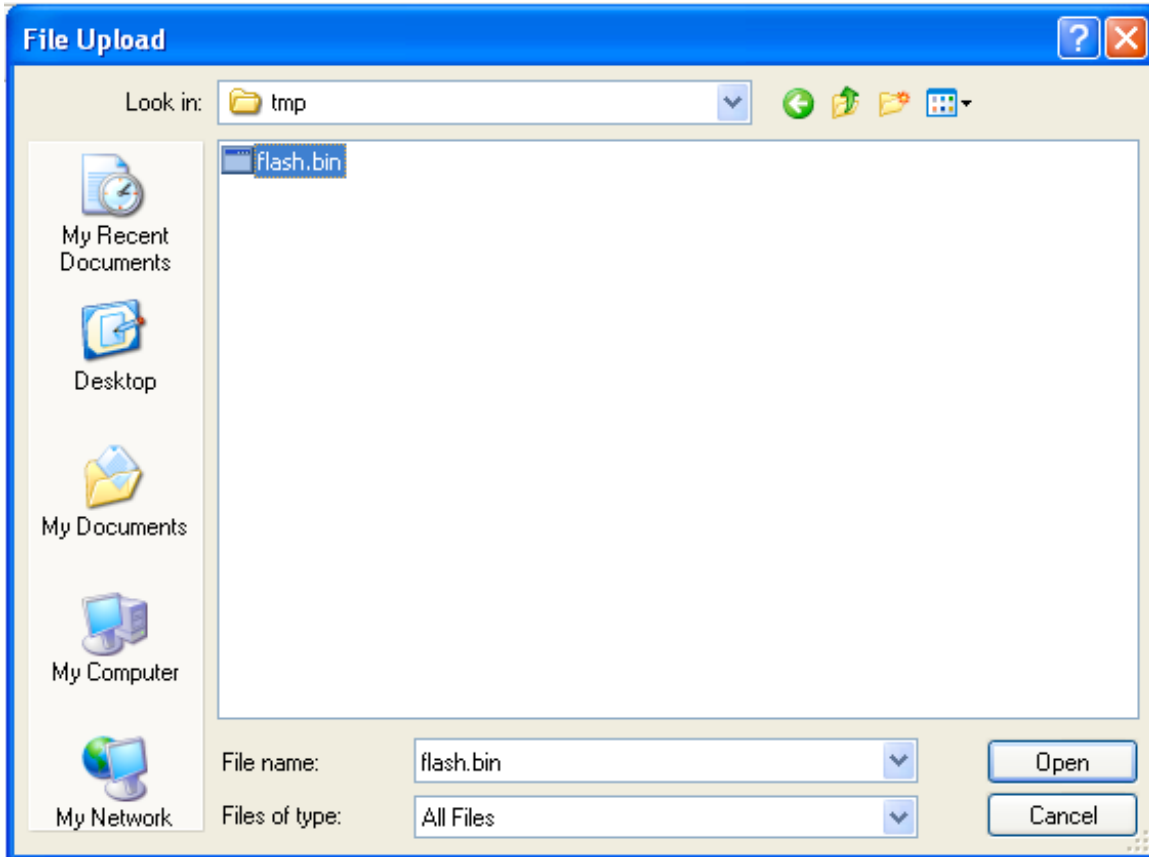
5. Click on the “Browse” button and the File Explorer will open.



6. Browse to the location of the 'flash.bin' file you received after unzipping the downloaded file from the JBM Electronics FTP site.



7. Highlight the file and click on the “Open” button.



8. Click on the “Install” button and the unit will be re-flashed with the firmware you downloaded from the JBM Electronics FTP site. The re-flashing process should take 5 – 10 minutes to complete.