



Outdoor Radio Unit



Indoor Radio Unit

BIG PIPE LT BP-1200

Software Upgrade Application Guide

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1 Purpose of this Document

Use the following procedure to upgrade software in the BP1200 radio ODU and IDU. Software upgrades will be made available to customers periodically on the Broadcast Electronics, Inc. website at <http://www.bdcast.com/support/index.php> in the Registered User Section.

2 Tools / Items Needed

- Big Pipe LT FA2000 Application (files downloaded from B.E. Website)
- Personal Computer
- Straight-Thru Ethernet Cable

3 Estimated Time to Complete Upgrade

Providing that you have the tools listed above, it will take approximately 30 minutes to update BP1200 Radio Software in your STL system.

4 Install FA2000 Radio Manager Software

It is strongly suggested that you have the latest **FA2000 Radio Manager Software** installed on your PC. Please note that FA2000 Radio Manager Software will communicate with older revision levels of radio software however the feature set may be limited.

Step 1 – Download **FA2000 Radio Manager Software** from the BE website, unzip, and install into a folder (C:\FA2000) on the root disk. Then Navigate to C:\FA2000\Setup and run the setup.exe file. Note: The ODU / IDU software is contained within the **FA2000 Radio Manager Software**.



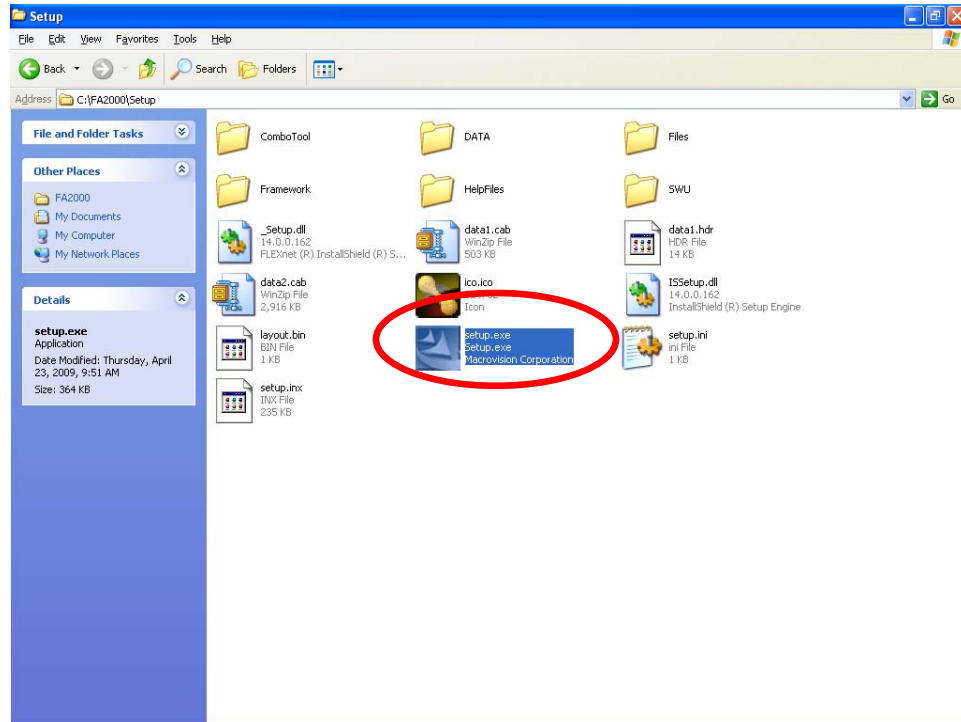


Figure 1 – C:\FA2000\Setup Directory, Setup.exe File

Step 2 – Follow on screen prompts

Step 3 – When the **InstallShield Wizard** is complete, select **Launch Application** and **Finish**.

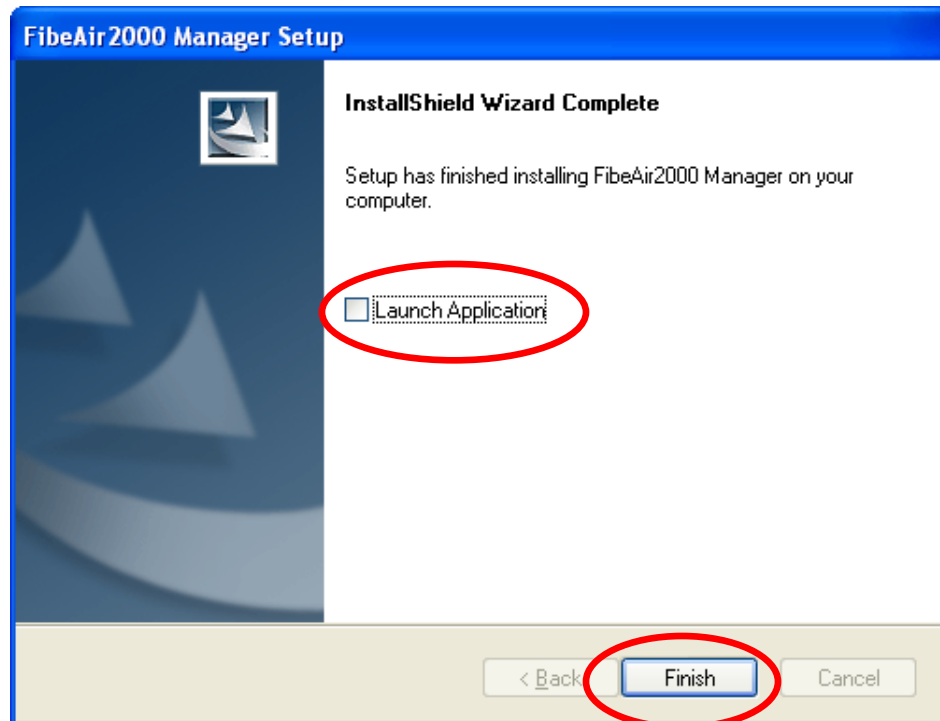


Figure 2 – FA2000 Manager Setup Status

4.1 Verify that the Link is Valid for Updating Software Remotely

If you are planning to upgrade software remotely, you must ensure that you have a valid link.

Step 1 – Open the FA2000 Manager.

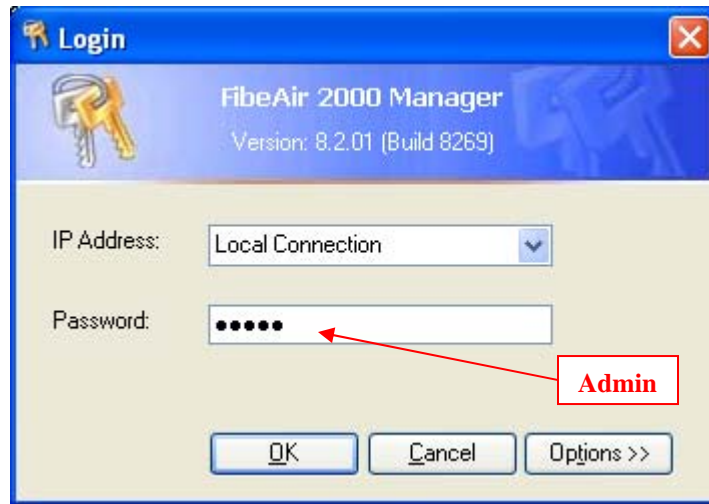


Figure 3 – FA2000 Manager Login Screen

Step 2 – Verify that the Status indicates “Link Active” and the “Frequency Box” is Green.

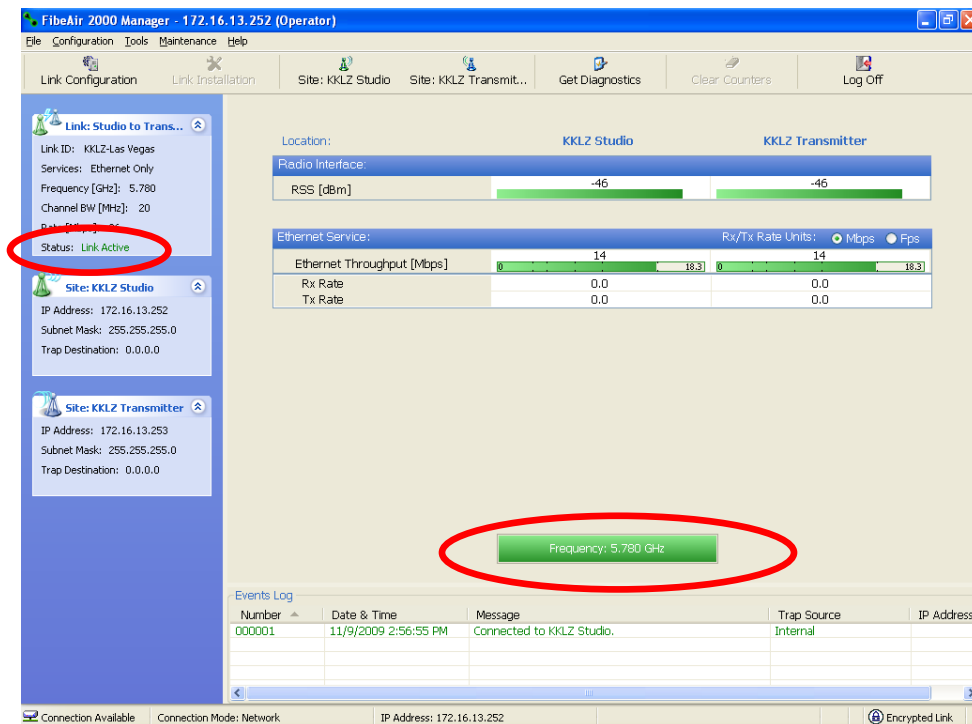


Figure 4 – FA2000 Manager Main Menu

4.2 Verify Current Radio Software Revision Level

Before starting the upgrade process, check the current revision level of radio software in your system.

Step 1 – Select the **Configuration Button -> Configure Studio**.

The screenshot shows the FA2000 Manager Main Menu. The top navigation bar includes buttons for 'Link Configuration', 'Link Installation', 'Site: KKLZ Studio' (circled in red), 'Site: KKLZ Transm...', 'Get Diagnostics', 'Clear Counters', and 'Log Off'. The main area displays configuration for 'Link: Studio to Trans...' and 'Site: KKLZ Studio'. The 'Radio Interface' section shows RSS [dBm] at -46 for both KKLZ Studio and KKLZ Transmitter. The 'Ethernet Service' section shows Ethernet Throughput [Mbps] at 14 for both, with Rx/Tx Rate Units set to Mbps. An 'Events Log' table is visible at the bottom.

Number	Date & Time	Message	Trap Source	IP Address
000001	11/9/2009 2:56:55 PM	Connected to KKLZ Studio.	Internal	

Figure 5 – FA2000 Manager Main Menu

Step 2 – Select **Inventory**.



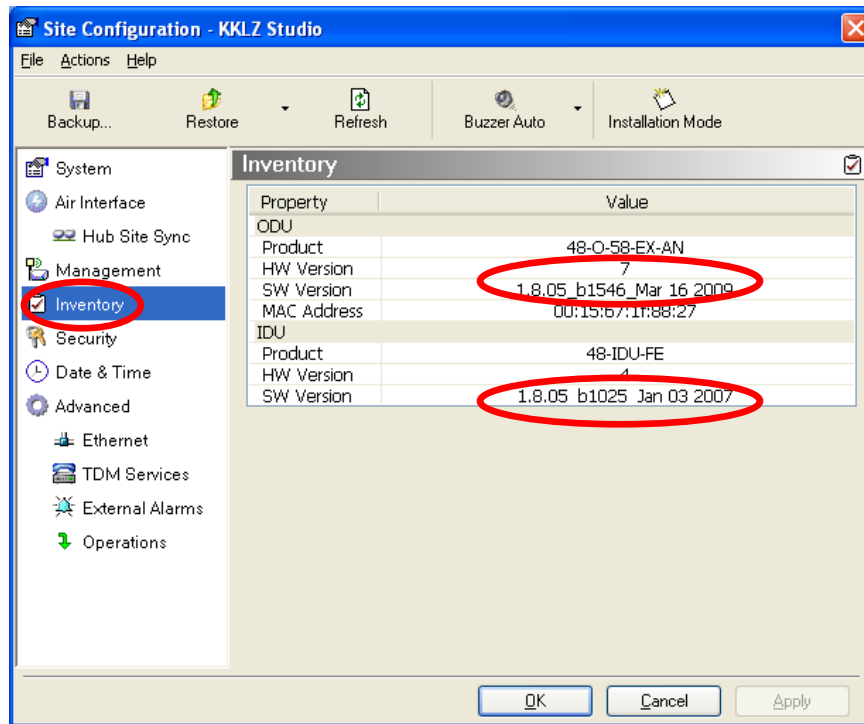


Figure 6 – FA2000 Manager Inventory Menu

Step 3 – Record the Radio Software Version in the ODU and IDU, then select **OK**.

Step 4 – Repeat process for Transmitter Radio.

5 Radio Software Upgrade Instructions

Step 1 – In the toolbar, select Tools, Software Upgrade...

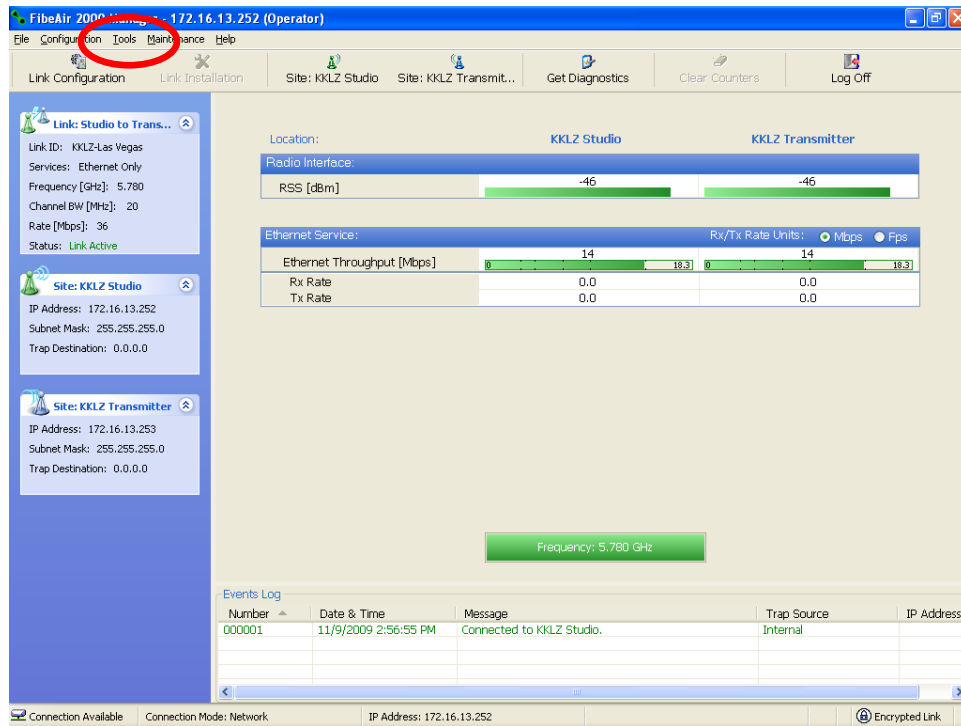


Figure 7 – FA2000 Manager Main Menu

Step 2 – Verify the Available Release version displayed is the version that is you are intending on uploading to the radios. Note: The Upgrade Package ICON selects which files will be uploaded.

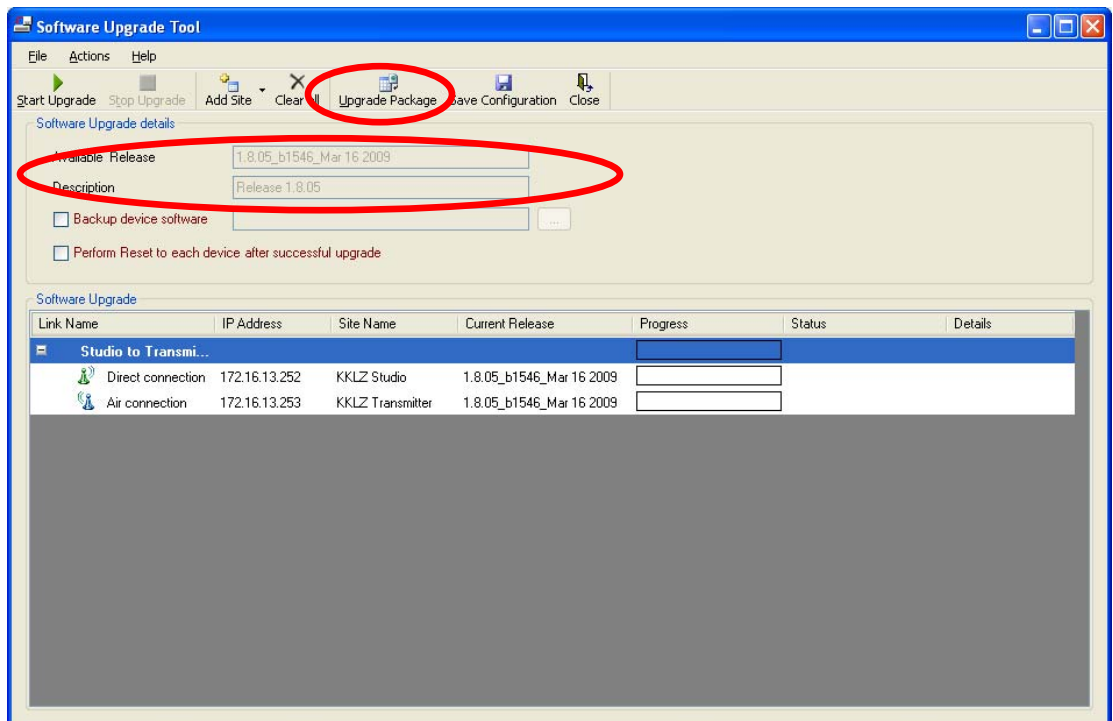


Figure 8 - FA2000 Manager Software Upgrade Tool Menu

Step 3 – Select the checkbox, Perform Reset to each device after successful upgrade. Warning: This will take the link off the air while the radios reboot after the software upload!

Step 4 – Click the Start upgrade ICON. Note: Both radios displayed in the **FA2000 Manager Software Upgrade Tool Menu** will be upgraded!

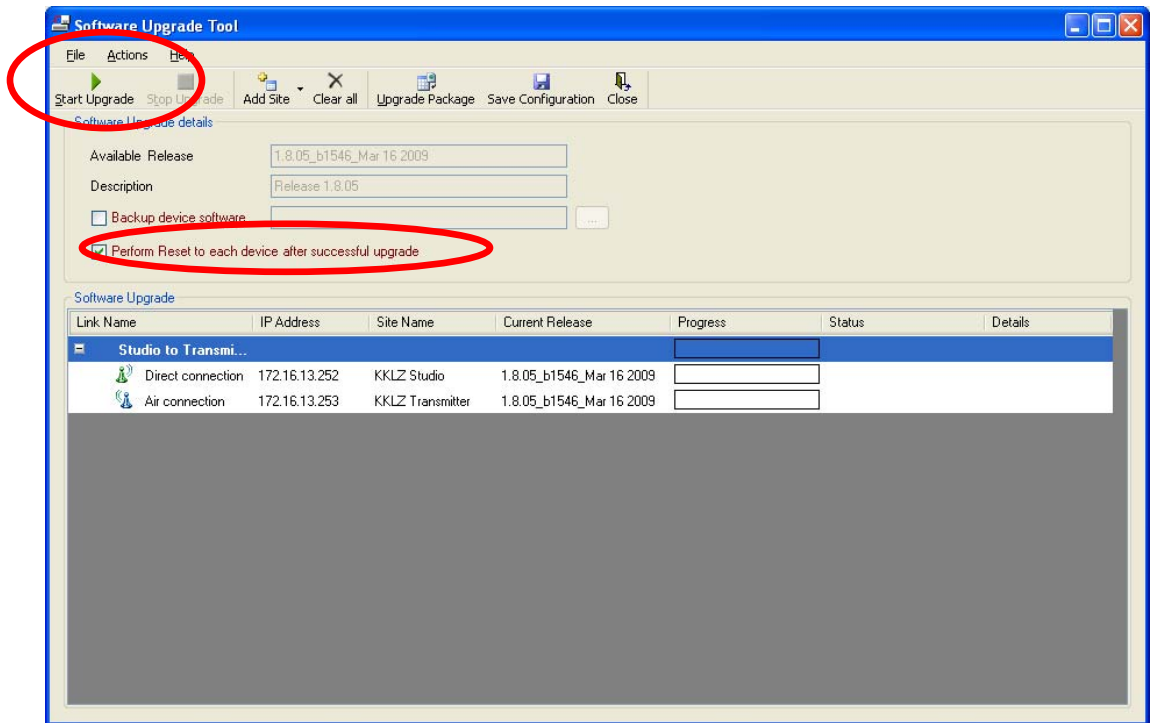


Figure 9 - FA2000 Manager Software Upgrade Tool Menu

Step 5 – Track the progress of the software upgrade

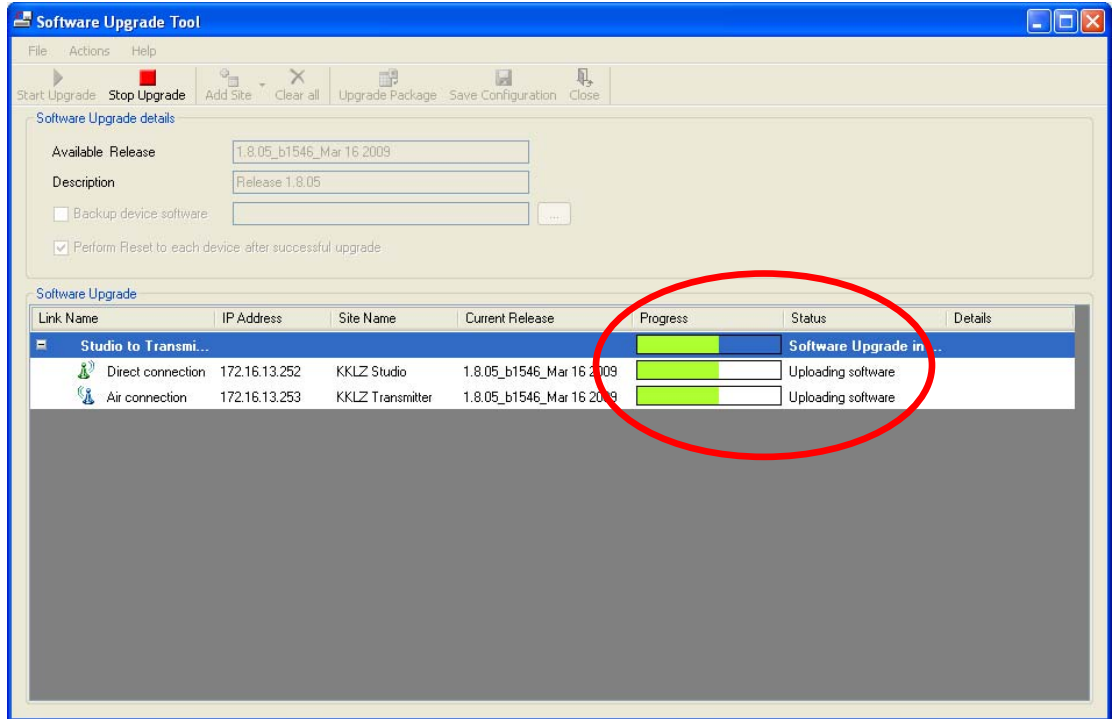


Figure 10 - FA2000 Manager Software Upgrade Tool Menu

Step 6 – Verify the software upgrade was completed and the radios reset

Step 7 – Click the Close ICON

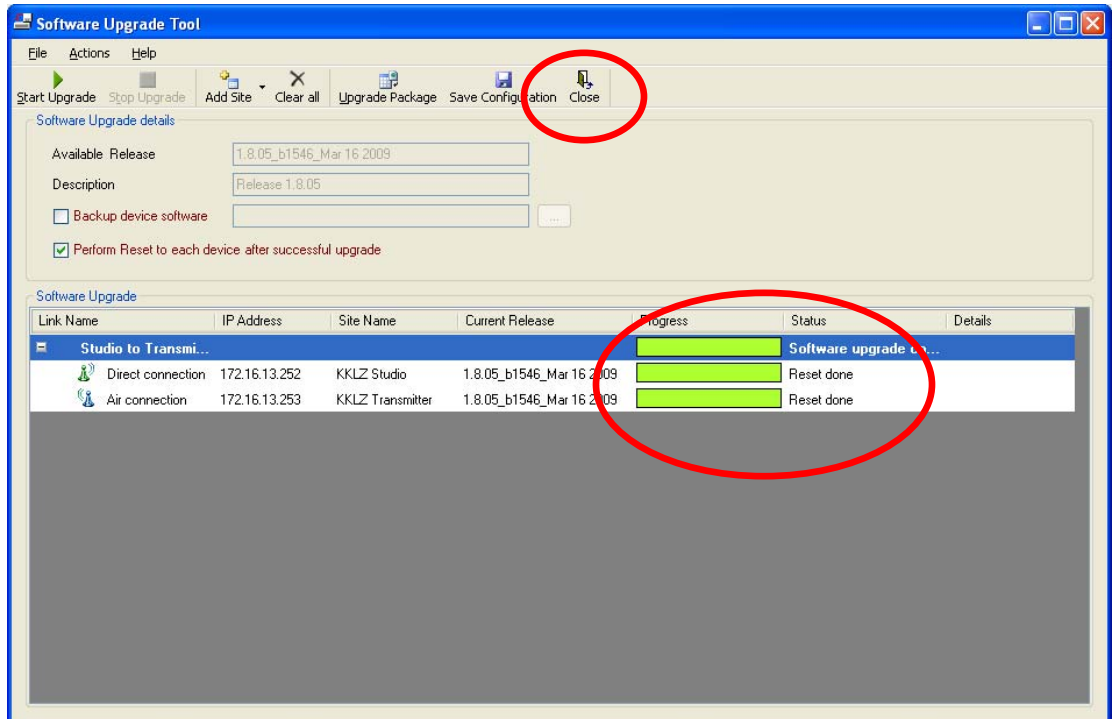


Figure 11 - FA2000 Manager Software Upgrade Tool Menu

Step 8 – Verify that the **Status** indicates “Link Active” and the “Frequency Box” is Green.

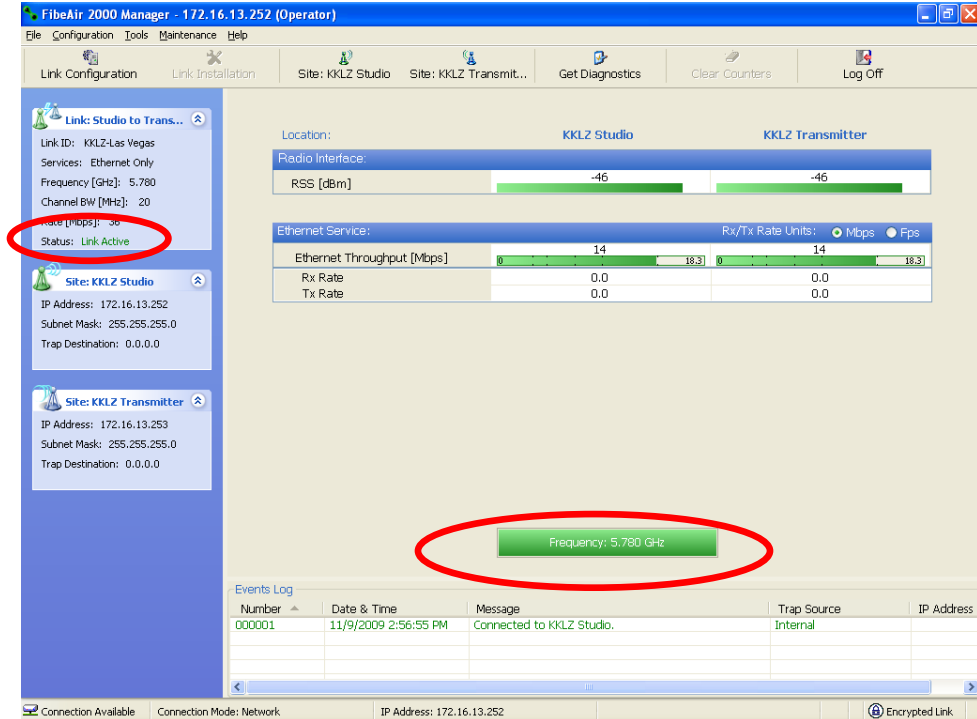


Figure 12 - FA2000 Manager Software Upgrade Tool Menu

Step 9 – Repeat the steps listed in **Section 4.2** to verify that the radio software revision level was in fact updated.

Step 10 – Log Off and close the **FA2000 Radio Manager Software Application** as needed.

6 RF Technical Services Contact Information

RF Technical Services -

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