Requirements:

- PC with available communications port. The communication speed requirement is relatively high therefore a 486 PC or better with a 16550 UART based communications port is recommended.
- "Straight-thru" serial extension cable (DB9 female to DB9 male) or (DB25 female to DB9 male). At least five wires are required (shown in bold italic with an *); see chart below.

DB9 female	DB9 male	Description
1	1	
2*	***2****	***RX***
3*	***3****	***TX***
4	4	
5*	***5****	***Ground***
6	6	
7*	***7****	***RTS***
8*	***8****	***CTS***
9	9	

- Terminal program such as Hyper Terminal, Telix, Procomm etc.
- New firmware supplied by Evertz.

Note:
1. Firmware downloaded from the FTP section on the Evertz web page (www.evertz.com) it is stored in compressed form in a zip file. If the file extension is "*.exe" you must first run the self extracting zip file to extract the "*.bin" located within. If the file extension is "*.zip" you must use PKUNZIP or WINZIP to extract the "*.bin" located within.
2. There is a backup copy of the firmware for the HD9525LG on the InstaLogo installation CD-ROM in the "Firmware" directory; the file is called (#v#_###.bin).

Update Procedure:

Part I – Terminal program setup

1. Power-down the Evertz frame.
2. Connect the "straight-thru" serial cable from the PCs' RS-232 communications port to the RS-232 communications port on the back of the Evertz frame.
3. Start the terminal program.
4. Configure the port settings of the terminal program as follows:

Baud	**57600**
Parity	**no**
Data bits	**8**
Stop bits	**2**
Flow Control	**None**

5. Power-up the Evertz frame.

Part II – Invoke upload mode via the front panel

Note: If you cannot invoke the upload mode via the front panel outlined in Part II then follow the steps in Part III.

9525DSK-LG Down Stream Keyer with Logo Inserter and 9525DSK Down Stream Keyer

- Press the *SETUP* button once.
- Press the *down arrow* until the main display reads *General*.
- Press the *SELECT* button once.
- Press the *down arrow* until the main display reads *Update code*.
- Press the *SELECT* button once.
- The *main display* should now show the message **Select = Upgrade**.
- Press the *SELECT* button to confirm the *Upgrade* operation, press *Setup* to cancel.
- Skip to step 14.

HD9525LG High Definition Logo Generator

- Press the *SETUP* button once.
- Press the *down arrow* until the main display reads *System Setup*.
- Press the *SELECT* button once.
- Press the *down arrow* until the main display reads *Upgrade*.
- Press the *SELECT* again to choose *Upgrade*.
- The *main display* should now show the message **Select = Upgrade**.
- Press the *SELECT* button to confirm the *Upgrade* operation, press *Setup* to cancel.
- Skip to step 14.

9580 Telecine Keyer

- Press the *SETUP* button once.
- Use either *shaft encoder* dial up the *Upgrade* option.
- The *main display* should now show the message **Upgrade**.
- Press the *SETUP* button to choose *Upgrade*.
- The *main display* should now show the message **UPLOAD:Setup=yes**.
- Press the *SETUP* button to confirm the *Upgrade* operation.
- Skip to step 14.

9590 Graticule Generator and HD9590 High Definition Graticule Generator

- Press the *ON/OFF*, *4* and *9* buttons simultaneously then release them.
- The *main display* should now show the message **UPLOAD:Setup=yes**.
- Press the *SETUP* button to confirm the *Upgrade* operation.
- Skip to step 14.

Part III – Invoke upload mode via the terminal program

6. A banner with the boot code version information should appear in the terminal window.

   For example:

   ```
   EVERTZ 9000DP MONITOR 1.0 BETA Aug 20 1998 16:25:33
   COPYRIGHT 1997, 1998 EVERTZ MICROSYSTEMS LTD.
   9000DP COLD BOOT> |
   ```

7. The following is a list of possible reason for failed communications:

   - Defective RS-232 “straight-thru” serial extension cable.
   - Wrong communications port selected in the terminal program.
   - Improper port settings in the terminal program. Refer to step 4 for settings.
   - Evertz frame is off.

8. The cursor to the right of the word “**BOOT>**” should be spinning.

9. While the cursor is spinning press the <**CTRL**> and <**X**> keys, this should stop the cursor from spinning. If the Evertz frame continues to boot-up simply cycle the power on the Evertz frame and repeat this step.

10. Hit the <**ENTER**> key once.

11. Type the word “**upgrade**”, without quotes, and hit the <**ENTER**> key once.

12. The boot code will ask for confirmation. Type "**y**", without quotes.

13. You should now see a prompt asking you to upload the file.

    For example:

    ```
    BOOT> upgrade
    UPLOAD FLASH MAIN
    ARE YOU SURE YOU WANT TO UPLOAD FLASH? [Y/N] Y

    UPLOAD FILE FOR $08000 NOW, CONTROL-X TO CANCEL
    ```

Part IV – Uploading the new firmware

14. Upload the "***.bin**" file supplied using the **X-Modem** transfer protocol.
15. The boot code will indicate whether the operation was successful upon completion of the upload.

    For Example:

    UPLOAD OKAY
    BOOT>

16. The following is a list of possible reason for a failed upload:

    - If you get the message "transfer cancelled by remote" you must restart the terminal program and load the bin file using the method outlined in *Part III – Invoke upload mode via the terminal program*.
    - The supplied "***.bin**" file is corrupt.
    - Wrong file specified to be uploaded.
    - The PCs' RS-232 communications port can't handle a port speed of **57600**.
    - Noise induced into the RS-232 "straight-thru" serial extension cable.
    - To ensure proper communications use step 9 to break out of the boot up sequence and type the word ***help***. You should get back some text. This confirms that you are sending data, receiving data and are locked to 57600.

17. Power-down the Evertz frame.
18. Power-up the Evertz frame.
19. You can now close the terminal program and disconnect the RS-232 serial cable.

The update procedure is now completed.