RGB Spectrum
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www.rgb.com

RGB Spectrum Display Processor Firmware Upgrade

This firmware upgrade procedure is applicable to the MediaWall® 4500, MediaWall 4200, QuadView® HDx, and SuperView® 5000.

The command to update the firmware can be accomplished over Ethernet or serial connection (provides real-time detailed status). See page 3 for instructions on establishing serial and page 5 for telnet communication between the PC and the display processor using *Tera Term*.

A *Windows Explorer* FTP session over Ethernet is used to upload and download files.

The recommended procedure for updating firmware includes:

- Download firmware.
- Set the PC IP address.
- Export system settings.
- Download system settings.
- Upload firmware.
- Update firmware.
- Upload system settings.
- Import system settings.

These steps are described in-full below.

1. Open a web browser to the RGB Support page: www.rgb.com/support and download the new firmware to the PC by selecting to save the file. The location to which the firmware is saved may be used again in Step 5, for the exported settings.

2. Set the IP address of the PC to a static one compatible with the display processor. The address must be set to nnn.nnn.nnn.xxx where nnn.nnn.nnn is identical to the values on the display processor and xxx is a unique number.

3. Export all system settings by issuing the command in the *Tera Term* window:

   `settingsexport all system.txt`

   In this example, the settings are exported to the file **system.txt**.

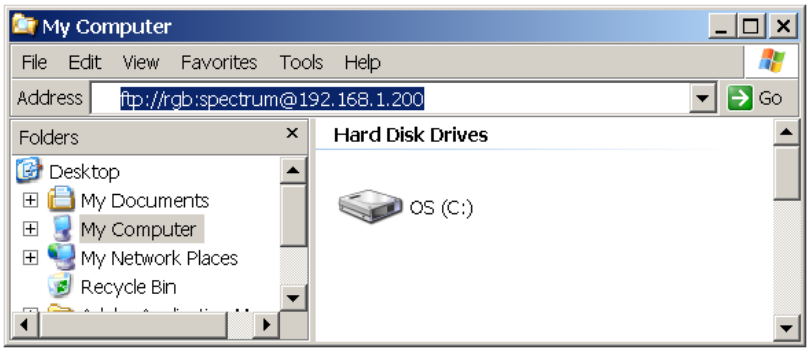
4. Open an FTP window to the display processor.

   Open *Windows Explorer*.

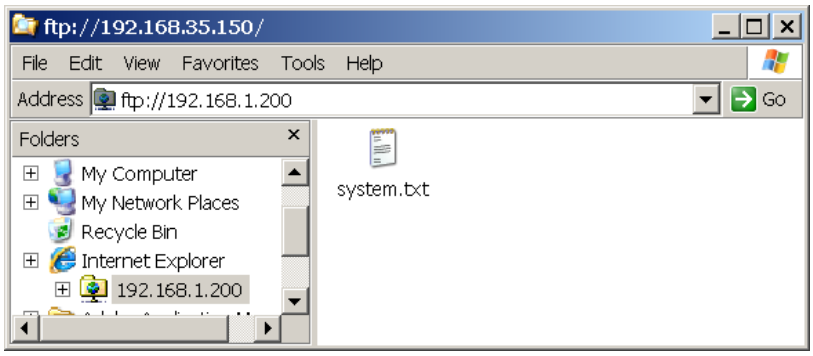
   Enter the ftp address:

   `ftp://rgb:spectrum@nnn.nnn.nnn.nnn`

(Where the user name is **rgb** and the password is **spectrum**. Enter the IP address of the display processor for nnn.nnn.nnn.nnn.)



Entering FTP Address



Exported Settings

5. Open a *Windows Explorer* session to a location on the PC to which the exported settings will be downloaded.

6. Drag the exported file, **system.txt** in this example, from the display processor to the PC location opened above.

7. On the PC, navigate to the location of the new firmware release.

8. Drag the firmware from the PC to the display processor FTP window.

9. Return to *Tera Term* and update the firmware by entering the command:

   `ufw`

10. **Do not turn off the display processor before the update process is complete!** If using serial communication, wait until the prompt is redisplayed before proceeding. For telnet communication, allow at least 6 minutes for the upgrade to complete. On units with a front panel LCD, **RGB Spectrum** will be displayed when the system has completed the upgrade.

11. Re-establish the FTP connection to the display processor by re-entering the FTP address.
12. Navigate to the location on the PC that contains the **system.txt** file.
13. Drag **system.txt** from the PC to the display processor FTP window.
14. If using telnet, open a new session.
15. Import the system settings by issuing the command:

```
settingsimport system.txt
```

This completes the update and restoration of system settings.

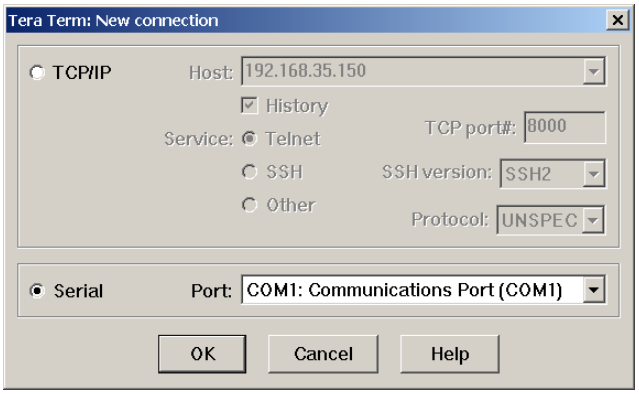
Should you require additional assistance with the Firmware Update procedure, please contact Customer Service at RGB Spectrum. Call (510) 814-7000 and enter “1” during the call menu.

Using Tera Term

The third-party program *Tera Term*, provided on the display processor product CD and available for download at logmett.com/index.php?/download/tera-term-468.html, may be used for serial or telnet control. Use the procedures below to establish a connection to the display processor.

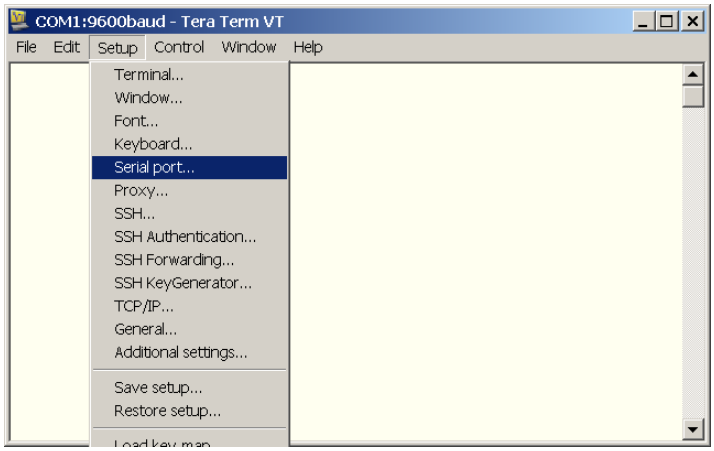
Opening a Serial Connection

1. On the PC, open *Tera Term*.



Tera Term Configuration for Serial Control

2. Select **Serial**.
3. Select the COM port to be used on the PC.
4. Click **OK**.
5. From the **Setup** menu, select **Serial port**.



Setup Menu

6. Set the communication parameters:

   Port: COM port used by the PC

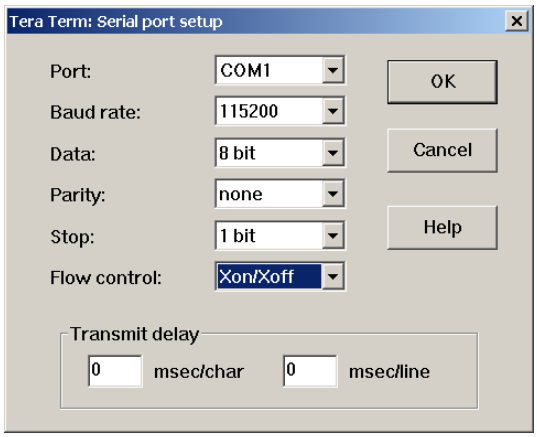
   Baud: 115200, the display processor default.

   Data: 8 bit

   Parity: none

   Stop: 1 bit

   Flow control: Xon/Xoff



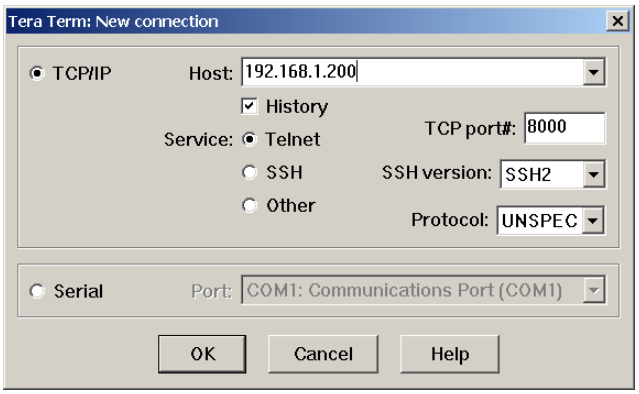
Serial Port Setup

7. Click **OK**.

8. The command window opens. Press ENTER to display the command prompt.

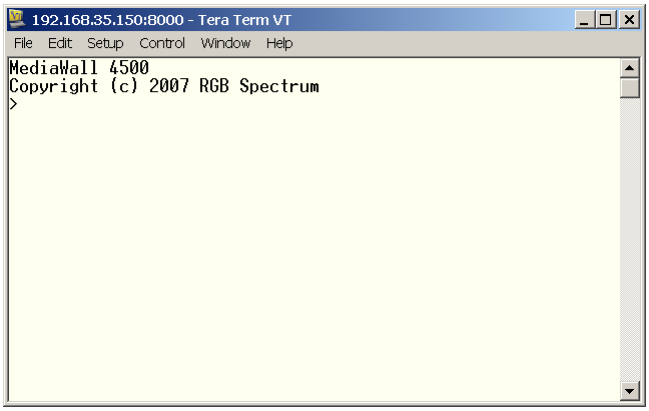
Opening a Telnet Connection

1. Open *Tera Term*.
2. Select **TCP/IP**.
3. Select **Telnet**.
4. Enter the IP address of the display processor in the **Host** field.
5. Enter the **TCP port# 8000**.



Tera Term Configuration for Telnet

6. Click **OK** and the command window opens.



Opened Telnet Window