

804 Multimedia Test Instrument Software Release Notes

SW Version

16110921

FPGA Version

13101806

Change Log:

- More reliable EDID reading
- Adds more video timings (21:9 issues resolved, added 48Hz video timings from CTA-861-G), and a number of newer DMT formats on the PC side
- ACA speed improvements (should now be able to keep up with more devices)
- Fixes some issues with command names being accepted, and format names being rejected erroneously
- Improved USB communication in COM mode
- Adds MoireX and MoireY patterns
- Changed USB Vendor ID to Teledyne LeCroy PSG
- Fixes Focus image in 1080p
- Fixes Zone Plate issue when the image size exceeds the format's size
- Fixes 804-series CVBS/S-video timings for PAL
- Adds 64kHz and 128kHz LPCM audio support for all video interfaces
- Adds FMTL VICxxx (where xxx = 001 through 116) to set format by VIC code -- not all VICs are supported by 804.
- IMGL/IMGU queries now use the last typed name if entered by command, or the generated value if image is selected by GUI
- Splash screen text changed to match new bezel text
- Windows 10 should no longer need a driver for the USB COM port.

Upgrade Procedure

SD Card Upgrade Procedure (Recommended)

1. Download the file from downloads page and unzip it.
2. Copy all files to a SD card's root directory and insert the card to device.
3. Power on the unit.
4. Go to the Help menu and perform Application Flash Update. When complete, reboot the device.
5. Go to the Help menu and perform FPGA Flash Update. When complete, reboot the device.
6. Go to the Help menu and verify the version numbers match above.

Supplemental Files (70 megabytes)

This archive contains all Compressed Audio Samples, Sine Wave Clips, and Sample BMP Files.

1. [Download Supplemental Files archive from here](#) (updated on August 23, 2013).
2. Unzip the files into a new folder in your PC.
3. Turn on 804 and press Preferences.
4. If COM is selected next to USB Mode, select Disk and power cycle 804.
5. Connect 804's USB port to your PC.
6. 804 should appear as a removable disk.
7. Copy unzipped supplemental files to 804.

Alternatively, you can download the file sets separately: Compressed Audio Test Samples (57 megabytes)

1. [Download compressed audio test samples from here](#) (updated on August 23, 2013).
2. Turn on 804 and press Preferences.
3. If COM is selected next to USB Mode, select Disk and power cycle 804.
4. Connect 804's USB port to your PC.
5. 804 should appear as a removable disk.
6. Copy downloaded compressed audio test sample files to 804.

Sine Wave Audio Clips (760 kilobytes)

7. [Download audio clips from here](#) (updated on August 23, 2013).
8. Turn on 804 and press Preferences.
9. If COM is selected next to USB Mode, select Disk and power cycle 804.
10. Connect 804's USB port to your PC.
11. 804 should appear as a removable disk.
12. Copy downloaded audio files to 804.

Sample BMP Files (324 kilobytes)

13. [Download sample BMP files from here](#) (updated on August 23, 2013).
14. Turn on 804 and press Preferences.
15. If COM is selected next to USB Mode, select Disk and power cycle 804.
16. Connect 804's USB port to your PC.
17. 804 should appear as a removable disk.
18. Copy downloaded sample files to 804.
19. The UserPats.txt file is used to add the bitmaps to 804 Video Pattern menu. You can add your own bitmaps by copying them to 804 and updating this text file.

USB COM Port .inf File

1. Determine whether your Windows is 32-bit or 64-bit.
 - a. For 32-bit Windows: [Download .inf file from here.](#)
 - b. For 64-bit Windows: [Download .inf file from here.](#)
2. Turn on 804 and press Preferences.
3. If Disk is selected next to USB Mode, select COM and power cycle 804.
4. Connect 804's USB port to your PC.
5. Follow the procedure below to install the USB COM Port driver.

Windows 8

1. Go to the Advanced Startup options. You can easily do this by holding down the Shift key and clicking on Restart.
2. Select Troubleshoot.
3. Select Advanced options.
4. Select Startup Settings.
5. Click on Restart.
6. Press F7 for "Disable driver signature enforcement."
7. Turn on the 804.
8. Go to the Preferences menu and make sure USB Mode is set to COM. If not, select COM and power cycle the 804.
9. Connect 804's USB port to your PC.
10. Go to the Device Manager.
11. Under Other devices, right-click on USB COM and select Update Driver Software.
12. Select Browse my computer for driver software.
13. Click on Browse button and browse to the location of the downloaded 804 USB COM driver file and click on OK.
14. Click on Next.
15. When you see the Windows Security dialog box show up, click on "Install this driver software anyway."

Windows 7

16. The first time you connect 804 to your PC in COM mode, the Installing device driver software message will show up. Click on this message to see the status.
17. You will see a message that says "Searching Windows Update" for the USB COM port driver. After a while, you will see "No driver found" message.
18. Click on Close.

19. Open Device Manager by launching Control Panel and selecting System and Security -> System -> Device Manager.
20. Under Other devices, you might see USB COM.
21. Right-click on USB COM and select Update Driver Software.
22. Click on Browse my computer for driver software.
23. Click on Browse, select the folder that contains QD780.inf file, and click on OK.
24. Click on Next.
25. If a dialog box shows up asking whether or not to continue installing the driver, click on "Install this driver software anyway."

Windows Vista

26. The first time you connect 804 to your PC in COM mode, the Found New Hardware Wizard will show up. Select "Locate and install driver software (recommended)."
27. When asked if you want to allow Windows to search online for driver software for your USBCOM Device, click on "Don't search online."
28. When asked to insert the disc that came with your USBCOM Device, click on "I don't have the disc. Show me other options."
29. Click on "Browse my computer for driver software (advanced)."
30. Browse and select the directory where QD780.inf is located.
31. Click on Next.
32. If a dialog box shows up asking whether or not to continue installing the driver, click on "Install this driver software anyway."
33. If you get a dialog box that says the file 'usbser.sys' is needed, then you will need to either insert the Windows Vista installation disc or search your PC for usbser.sys file.

Windows XP

34. The first time you connect 804 to your PC in COM mode, the Found New Hardware Wizard will show up. Select "Install from a list of specific location (Advanced)."
35. Click on Next.
36. Click on Browse and select the directory where QD780.inf is located.
37. Click on Next.
38. If a dialog box shows up asking whether or not to continue installing the driver, click on Continue Anyway.
39. If you get a dialog box that says the file 'usbser.sys' is needed, then you will need to either insert the Windows XP installation disc or search your PC for usbser.sys file.

Windows 2000

40. The first time you connect 804 to your PC in COM mode, the Found New Hardware Wizard will show up. Click on Next.
41. Select "Display a list of known drivers for this device so that I can choose a specific driver."
42. Click on Next.
43. Select Ports (COM & LPT) and click on Next.
44. Click on Have Disk.
45. Browse to the location of QD780.inf file and select it.
46. Click on OK.
47. Click on Next.
48. Click on Next.
49. If a dialog box shows up asking whether or not to continue the installation, click on Yes.