



Quantumdata 280G and 280A 21.08 Release

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1. Overview

This document provides information on Release 21.08 of the firmware for quantumdata 280G and 280A.

For further information on the quantumdata products, please see the Quick Start and Users guides available on our website at: <https://www.quantumdata.com>

2. Upgrade Instructions

1. Go to the downloads page: <http://www.quantumdata.com/downloads.html>
2. Select the "280 Test Set" tab.
3. Select and download the official release 21.08.
4. Extract the files from the download zip.
5. Format an microSD card (2GB maximum) or microSDHC card (32GB maximum) using the SD Card format tool such available at <https://www.sdcard.org/downloads>
6. Copy all files to the root directory of the SD card and insert the card into the 280.
7. Power on the 280.
8. Go to the 280 Help menu and perform System Flash Update.
9. When complete, reboot the 280.
10. View the Help menu and validate the firmware versions per the 21.08 column of Table 1. The version numbers for Release and FPGA should all be correct.
11. If the firmware versions from the previous step match, the upgrade is complete. Remove the SD card and use the unit as normal.

Software	FPGA	HDBaseT TX	HDBaseT RX
21.08.3151		18031301	18031301

Table 1: Version Information

3. Release Notes

3.1. Resolved Issues

- AVI InfoFrame Q field now updates based on DVQM setting
- Fixed bitmap loading issue from UserPats.txt
- Improved decoding of EDID VIC codes for VICs > 128
- HDCP 2.2 references changed to either 2.x or "2.2 or greater"
- image/format name length limitation fixed
- Improved color value accuracy in some situations
- Transmits CTA VIC instead of HDMI_VIC for 4K 24/25/30Hz 3D
- Fixed some VESA DMT and CVT format sync polarities
- Fixed issue with 3D HDMI VSIFs
- Fixed YCbCr dynamic range on ISF and THX patterns
- Disabled invalid "scroll" option in EMI H/Grill GUI options when Grill is selected
- Improved stability of Aux Combo Test pattern
- Fixed cable test issues (CEC, other repeatability items)

3.2. New Features

- Optimizes bitmap loading and changes default boot behavior to revert to color bars instead of re-loading bitmap
- Allows up to 99 user patterns to be accessible via command line
- Adds some HDMI 2.1 EDID parsing and improved EDID parsing presentation
- Modified GUI layout to allow for additional data to be displayed on 4.3" LCDs
- SD card file loading improvements
- CBLR? query added for 280
- Added "Mute" selection to 280G audio configuration

3.3. Known Issues

None at this time.

4. Support

For support on the quantumdata 280 or other Teledyne LeCroy PSG products, please send an email to:

psgsupport@teledynelecroy.com

Please include your full contact information and a detailed description of the problem, including product model number, serial number, firmware version, software version, and any trace files pertaining to the issue.

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