

Feature Enhancements for 882E Release 2.25.2 - vxWorks: 20.1887602

The following features have been added in the Release 2.25.2.

- Added VIC details to PacketTx.
- Added IFGX:RPTU command which generates PacketTx report.
- Added GraysMHL test image which is used for MHL Sink Compliance Test.
- Modified CEC ping commands (CEC1:PING and CEC1:PING?) so that they work even if CEC ITE option is not enabled.

The following anomalies have been corrected in the Release 2.25.2.

- Fixed the issue where the reference EDID doesn't get loaded properly in VESA E-EDID Verification Test.
- Fixed the problem that occurs when switching from HDMI Deep Color mode to DVI.
- Fixed the issue where X3DM command doesn't work with Cubes3D and 3DXTalk test images.

Note: The release files can only be applied to the 881E and 882E HDMI generator (not the 882CA/882C/881C, 882D/881D, 882EA, or 882E-DP/881E-DP generators).

Software Table

The Release 2.25.2 is comprised of the following software components.

Software Component	Version	Change Status
Boot Rom	01.04.11	no change
vxWorks	20.1887602	new with 2.25.2
Gateway 1	404C,5,6182009	no change
Gateway 2	401A,19,9252008	no change
Gateway 3	401B,3,2282008	no change
Java JRE required	1.5.06	no change

Auto Upgrade Instructions

Now you can use Quantum Data's new AutoUpdate utility to upgrade your generator firmware and gateway. The AutoUpdate utility automates the process of upgrading firmware. It guides the user through the upgrade process, checking the Quantum Data website for the latest version and installing all files in the correct location on the generator.

Read the [AutoUpdate Instructions](#).
[Download AutoUpdate Version 1.1.4 for 880 series](#) (includes instructions)

Manual Upgrade Instructions

You can upgrade your generator using the procedures in the Users Guide. Please note that you will have to verify that your current generator is operating with Release 2.10.0, 2.10.2, 2.10.5, 2.11.0, 2.12.0, 2.13.1, 2.15.0, 2.16.3, 2.16.4, 2.18.1, 2.19.0, 2.19.2, 2.20.0, 2.21.0, 2.22.0, 2.23.0, 2.24.1, or 2.25.0. To verify that your current generator is operating with one of these releases, enter the following command:

```
verf?
```

Release 2.10.0 should return the following information:

```
20.1884600, 01.04.11
```

Release 2.10.2 should return the following information:

```
20.1884602, 01.04.11
```

Release 2.10.5 should return the following information:

```
20.1884605, 01.04.11
```

Release 2.11.0 should return the following information:

```
20.1884800, 01.04.11
```

Release 2.12.0 should return the following information:

```
20.1885000, 01.04.11
```

Release 2.13.1 should return the following information:

20.1885201, 01.04.11

Release 2.15.0 should return the following information:

20.1885600, 01.04.11

Release 2.16.3 should return the following information:

20.1885803, 01.04.11

Release 2.16.4 should return the following information:

20.1885803, 01.04.11

Release 2.18.1 should return the following information:

20.1886201, 01.04.11

Release 2.19.0 should return the following information:

20.1886400, 01.04.11

Release 2.19.2 should return the following information:

20.1886402, 01.04.11

Release 2.20.0 should return the following information:

20.1886600, 01.04.11

Release 2.21.0 should return the following information:

20.1886800, 01.04.11

Release 2.22.0 should return the following information:

20.1887000, 01.04.11

Release 2.23.0 should return the following information:

20.1887200, 01.04.11

Release 2.24.1 should return the following information:

20.1887401, 01.04.11

Release 2.25.0 should return the following information:

20.1887600, 01.04.11

After verifying that the generator is operating with Release 2.10.0, 2.10.2, 2.10.5, 2.11.0, 2.12.0, 2.13.1, 2.15.0, 2.16.3, 2.16.4, 2.18.1, 2.19.0, 2.19.2, 2.20.0, 2.21.0, 2.22.0, 2.23.0, 2.24.1, or 2.25.0, upgrade your generator using the procedures below:

1. Download the 2.25.2 Zip file to your PC and unzip the file. There will be a System and a Library directory.
2. [Upgrade the generator using "Upgrading without using PC Card" procedure at this link.](#)
3. After power cycling the generator, verify that the generator is running the current 2.25.2 version of the vxWorks file by entering the following command:

```
verf?  
20.1887602, 01.04.11
```

4. Verify that the vxWorks file is: 20.1887602.
5. Verify that the BootRom version is: 01.04.11.
6. Verify that the generator is running the current 2.25.2 version of the gateway files by entering the following command:

```
verg?  
404C,5,6182009:401A,19,9252008:401B,3,2282008
```

7. The first listing is the Lattice FPGA gateway. The next two listings are the transmitter gateway files for the DVI and the HDMI output. The gatewares are separated by colons. Verify that the transmitter gateway files are: 401A,19,9252008:401B,3,2282008.

Important note on installing Dolby/DTS compressed audio samples:

The Dolby Digital, Dolby Digital Plus, Dolby True HD, and DTS audio formats use audio samples that must be downloaded and installed separately to the Library/audio directory of the Compact Flash card:

1. Download the file [AudioSamples_2.18.1.zip](#)
2. Unzip this file to a folder in your computer
3. Using FTP Browser, browse to the card0/Library folder of the 882E generator
4. Click on **New** under Instrument Files, and create a new directory called **audio**
5. Under Host Files, browse to the folder on your PC where you unzipped the audio sample files

6. Copy all 14 files to the new audio directory
 - 1khz2ch-20dB_ec3.pcm
 - 1khz51ch-20dB_ec3.pcm
 - 1khz71ch-1frame_ec3.pcm
 - 1khz71ch-20dB_mlp.pcm
 - 2khz2ch-0db_ac3.pcm
 - audio.lst
 - DTES-ES-48kHz-1509kbps-61ch.wav.pcm
 - dts-48kHz-1509kbps-51ch.wav.pcm
 - dtshdhra-48kHz-3840kbps-51ch.wav.pcm
 - dtshdhra-48kHz-5376kbps-71ch.wav.pcm
 - dtshdhra-96kHz-5760kbps-71ch.wav.pcm
 - dtshdma-48kHz-VBR-51ch-HDMI_HBR.ba.pcm
 - dtshdma-48kHz-VBR-71ch-HDMI_HBR.ba.pcm
 - nxt2ch2s.mlp.pcm
7. Power cycle the unit.
8. Now the Dolby audio formats are ready to use by selecting the image called **Dolby**, and the DTS audio formats are ready to use by selecting the image called **DTS**