

CX3300 Series Firmware (0.64) Release Notes

The 0.64.1617.1090 (0.64) is a preliminary release of the CX3300 firmware, and it is being made available for the evaluation of the CX3300 before the purchasing.

The 0.64 is published to allow future users of the CX3300 to evaluate the product with a loaner unit before the official shipment. The production version of the CX3300 firmware will be released when it is qualified as fully ready for users.

Defects or immature implementation may be found in the 0.64. The qualification of the firmware is under way, and it will be continued until the release of the production version. Please see below for a list of known issues found in the 0.64.

Update Instructions

To update the CX3300 firmware, follow the procedure below.

1. Click the Utilities icon at the right bottom of the screen, then select Close Window to stop the CX3300 firmware.
2. Copy the downloaded file to CX3300 by using a USB memory.
3. Double click the file at a working folder to start the installation.
4. Follow instructions shown on the installer to complete the installation process.
5. Start the CX3300 firmware by clicking the CX3300 icon on the desktop, then the FPGA updater shows up.
6. Select the Start Update button on the FPGA updater, then wait for the update process to complete.
7. Shutdown the CX3300 by clicking the Shutdown button on the FPGA updater.

Features Not Implemented Yet

- Measurement results captured by digital channels are not saved to a file when performing file saving.
- Automatic Power and Current Profiler does not deal with two measurement results captured by CX1102A at a time.
- Automatic Power and Current Profiler does not allow users to move a separator line by a touch operation.

Known Issues

- Displaying traces captured by digital channels takes longer time than other type of traces.
- USB drive does not appear in the Load and Save dialog boxes occasionally. The drive shows up after changing the current folder in the dialog box.

- File saving causes an error occasionally when a digital channel was active in an acquisition to be saved. To solve the issue, deactivate all active digital channels associated with the acquisition by putting digital channel icons into the trash box on the screen.
- File saving in Waveform or HDF5 format causes an error occasionally when the X-Y data option is selected in the Save dialog box. Unselect the X-Y data option to avoid the issue.
- The CX3300 firmware stops responding when memory consumption becomes large (roughly over 8 GB.) Continuous acquisition causes the growth of memory consumption. To avoid the issue, stop an acquisition by pressing the Stop key, then perform a single acquisition instead.
- The CX3300 firmware hangs up occasionally when many traces are being drawn on the screen. Restart the CX3300 if this phenomenon occurs.

Frequently Asked Questions

1. Are messages showing at the bottom of the screen something for debugging purpose?
No. 'Waiting for Trigger' and 'Data Processing' are messages shown intentionally to let users know acquisition status.
2. Is Invert option available for the screen capture?
No.
3. Can I use Windows Remote Desktop?
No. VNC connection is available for remote control.
4. Can I use the hardware knob for changing the vertical scale of any traces on the Main Window?
No. Only the traces of acquisition results are controlled by the vertical hardware knob. Using the scroll wheel of a mouse allows users to change the vertical scale of any type of traces.
5. What type of operations can be undone by clicking the Undo button locating in a window?
Changes for display setting are undone.
6. When are operations recorded for Undo cleared?
They are cleared at the time when a user performs an operation with any of hard keys.
7. What type of operations can be undone by clicking the Undo button of the Automatic Power and Current Profiler?
Undo is available only for operations associated with separator lines.
8. Will the format of data files be changed after the release of the 0.64?
All the data formats will be fixed at the release of production version, and some of the formats may be changed.