

Tektronix Optical Clock Recovery (Tek OCR) Application Customer Release Notes

Application Version: 1.1.1
Last Revised: November 20, 2020
Product: This software supports TCR801 product

Description

Tektronix OCR application is Microsoft Windows based application that allows for remote connection to a TCR801 device to control and analyze clock recovery and signal parameters.

The main advantage of this application is clock recovery in support of acquisition of optical signals on Tektronix sampling oscilloscopes.

Version 1.1.1 Release Description

V1.1.1
Secondary release of Tek OCR application to include MultiUser functionality. Included in the release are: <ul style="list-style-type: none">• Tektronix OCR base application. This release allows the user to use multiple OCR applications on multiple PC's at the same time for a single TCR801, and to allow the user to monitor/change the status of the device on multiple PC's. It also allows the user to be connected the application, while also sending PI commands in parallel. Multiple Stability and bug fixes are included in this release, as well resolutions of known issues from V1.0.0.

PC System Requirements

Tek OCR application runs on operating systems with Windows 7 and above.

Tektronix Optical Clock Recovery (TCR801) Firmware Upgrade Customer Release Notes

Firmware Version: 1.2.0

Description

The TCR801 Firmware Upgrade is a binary firmware upgrade file used to upgrade the operating system and firmware of the TCR801. It is designed to be used in conjunction with the Tek OCR Application v1.1.1 to upgrade the unit via the "Firmware Upgrade" menu in the application.

Version 1.2.0 Release Description

V1.2.0
This release allows the user to use multiple OCR applications on multiple PC's at the same time for a single TCR801, and to allow the user to monitor/change the status of the device on multiple PC's. It also allows the user to be connected the application, while also sending PI commands in parallel. Other Improvements in the release: <ul style="list-style-type: none">• Lock stability improvements and bug fixes• Network stability improvements

- Lock speed improvements, general improvements and quicklock implementation
- Synthesizer mode: Turn on synthesizer mode via the PI to output a CLK/4 of the requested datarate. See user manual for more.
- LCD bug fixes
- Diagnostic implementation

PC System Requirements

TCR801 Firmware upgrade requires the Tek OCR application v1.1.1 and Windows 7 and above.

Product Upgrades

From time to time Tektronix releases new versions of the product software or optional application software. Tektronix will also release FW upgrade images for the TCR801 (.TEK) that customers should keep up to date on. For this release, it is required that customers update both their GUI and FW. Customers can download these from the Tektronix web site at www.tek.com.

Contacting Tektronix

One method to receive timely information on new software updates, new products from Tektronix and other useful information is through a MyTek account. To join MyTek, please visit www.tek.com/mytek.

For application-oriented questions about Tektronix measurement products, please call Product Support. In North America call 1-800-833-9200 option 3, Monday-Friday, 6:00AM - 5:00PM Pacific Time or contact us by email at techsupport@tektronix.com.

For service support call 1-800-833-9200 option 2, Monday-Friday, 5:00AM-5:00PM Pacific Time or contact us by email at meas-svc-feedback@tektronix.com

Outside of North America: please contact your local Tektronix Sales or Distributor office. Refer to our web site at www.tek.com for listings of those offices.

For all other information call 1-800-833-9200, visit our web site at www.tek.com, or write to us at:

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Known Issues

The following list contains information on the functions associated with this software release. The current version has the following known issues and workarounds:

Identifier	P-489
Headline	GUI connection sometimes fails with "Connecting" status
Description	Sometimes the GUI fails to connect, resulting in a "Connecting" status that doesn't go away. The GUI will operate as if connected, and will have limited functionality, as if only partially connected
Workaround	Clicking the disconnect button, and clicking connect again, then performing a lock will reset the device and allow for a proper connection