

FX92 DWDM OCC Software Updates

Refer to the last section of this document for software upgrade guide. The update process may take a few minutes to complete. Do not turn the test set off or disconnect its AC/DC adapter during the process.

Software version: ver. 01.00.0002

March 05, 2025

Release Scope:

Initial Release. General availability.

OCC new features and improvements:

1. General enhancements
 - a. Supports Four Measurement Views: Summary, Tiles, Table and Bar Graph
 - b. Supports Single Channel Optical Power Meter Mode
 - c. Supports DWDM Channel Grid: 100GHz (50GHz optional) ITU-T G.694.1
 - d. Supports AB Marker Optical Channel Comparison
 - e. Supports Test Point Attenuation Compensation
 - f. Includes ability to filter for Pass, Fail, Marginal, or Undetected channels
 - g. Supports Max Hold in bar graph view
2. Platform Features
 - a. Supports VeSion® R-Server client, advanced results, and asset management
 - b. Supports EZ-Remote™ cloud services client to allow remote control across internet connections
 - c. NoApp® Cloud Service Support for quick result transfer via built-in NFC and QR code
 - d. Swipe gestures for easy navigation between test application menus and screens
 - e. Supports USB-C PD charging, USB stick connectivity for file transfer and software upgrades
 - f. Supports option to lock the touchscreen during operations to prevent accidental input
 - g. Remote Access via a web browser or VNC

Known issues or limitations:

3. No new significant issues to report.

References

Test Profiles and Test Results Backup Procedure

The test set's File Management system offers backup [To USB] and restore [From USB] functions. The functions are accessible under **Files** in the platform settings menu.

To enable the [To USB] and [From USB] functions, insert a FAT32 USB Memory stick into the USB-C port (use a USB-C to USB-A OTG adapter for regular USB-A memory sticks).

Select the desired test results, test profiles or screen capture files you wish to save by long-pressing to enable the check boxes. Use the individual check boxes to select specific files. For a full backup, check the master box in the header to mark all files.

Tap the [Share] and then [Save to USB] button to initiate the file transfer procedure and wait for the progress bar to finish. Original files will not be deleted from the test set. Once the progress bar is complete and disappears, it is safe to remove the USB drive.

It is highly recommended to select all important test profiles and results, and make a backup copy to a USB drive, before upgrading the unit's software. The software upgrade process may clean up all the data stored in the test set. After the unit has been updated, use the [From USB] function to restore the data back to the test set.

Updating the Test Set Software

To download the latest software version available, go to <https://www.veexinc.com/support/software> and enter the first four characters of the test set's serial number (e.g., TWHB) and use the links to download the software packages and Release Notes to the PC. Unzip the file to obtain the Software Image file (e.g., [fx92-veex-arm.tar.gz](#)).

The test set must always be connected to the AC/DC charger during the whole upgrade process. DO NOT turn it off at any time; the update process would take a few minutes.

To verify the software version number installed, turn the test set back on, open the **About** menu. You may also use Web Remote Access to get the information.

Upgrading the Test Set Software via Wi-Fi or LAN

Make sure the test set is ON and connected to a wireless LAN or connected to a LAN (using the USB-RJ45 adapter cable).

- Open the web browser and enter the IP address of FX92. The test set's IP address is displayed at the bottom-left corner of the screen.
- Once the test set's Web Remote Access page loads, select **Upgrade** from the menu on the left side of the screen.
- Click **Select File** button and point it to the Software Image file.
- Click **Upload** button to send the Software Image file to the test set.
- Once the file transfer is done, click **Upgrade** and let the test set go through the process, uninterrupted. This will take a few minutes. The test set may reboot multiple times during the process. DO NOT turn it OFF, until it has finished.
- You can verify the installed software version in the **About** menu of the platform. You may also use Web Remote Access to get the information.

Note: Although the Software Upgrade option is shown in the Web Remote Access menu, when using EZ-Remote cloud service to connect to remote test sets over the internet, the firmware Upload function may be disabled. This is to prevent any software corruption that unreliable Internet connections may cause.

Upgrading the Test Set Software via USB memory stick

As an alternative, FX92 software can also be updated by using USB memory stick:

1. Create a folder on the USB memory stick named VeEX-V90-RELEASE and copy the file [fx92-veex-arm.tar.gz](#) into this folder.
2. Insert the USB-C memory stick into the test set's USB-C port or use a USB-A to USB-C adapter if you are using a USB-A memory stick.
3. Turn the test set's power OFF.
4. Turn the test set ON. It will boot up normally and, within 10-15 seconds, automatically detect the installer package file and initiate the software upgrade process. The test set may reboot multiple times during the process. DO NOT turn it OFF, until it has finished.
5. You can verify the installed software version in the [About](#) menu of the platform.

© 2025 VeEX Inc. All rights reserved.

VeEX, VePAL, PX90, RXT, MTTplus, ReVeal, VeExpress, V-SAM, Multi-BERT, V logos, are trademarks or registered trademarks of VeEX Incorporated, or one of its affiliates. All other trademarks or registered trademarks are the property of their respective owners.

Some features listed in this document require software options that may require paid activation or license and may or may not be available in all products. VeEX Inc., reserves the right to change, without notice, product offerings or specifications.