



ONX-720 / 730 Quick Start Guide



Features

- FTTx and DOCSIS service testing in one meter
- Electrical and Optical Ethernet throughput tests up to 10 Gbps over RJ-45 or SFP+
- WiFi 7 testing
- Wavelength Selective Optical Power meter for accurate measurement with coexistent G/E-PON and XGS/10GE-PON wavelengths(optional)
- TruePON PON-ID data analysis including OLT-ID, ODN Class, and Total Loss (optional)
- GPON and XGSPON ONT emulation to test services on live PON network (optional)
- Broadband Optical Power Meter (optional)
- Integrated Fiber Optic Visual Fault Locator (VFL) to find fiber damage/bend or identify a fiber
- Integrated GPS for geotagging test results
- VIAVI TPA, Mobile Tech app, and StrataSync support
- Add-on module capable to be ready for future technologies like 25G/50G PON
- Ruggedized water and drop resistant design for long lasting field use
- Long battery life for extended service testing

Preparation for use

When you unpack the OneExpert, do the following:

- Inspect the unit for damage. If damaged, put back in box and contact VIAVI customer service (see the Technical Assistance section on the next page).
- If undamaged, save the box and packing materials in case you need to ship the unit in the future.
- Remove the protective film from the LCD. This film is in place for protection during shipment. There is a tab in the lower right corner for easy removal.

Before using the OneExpert for the first time, do the following:

- Turn the unit ON (use the green button on the front of the unit), and then verify that it is operating properly by navigating through a few menus.
- If the Power indicator is red, charge the battery.

Power indicator

The indicator on the side of the meter shows the battery status, as follows:

- **Solid orange** – Charging
- **Solid green** – Charge complete
- **Flashing red** – Error in charging or powering the unit. In this case, the meter will need to be serviced by a Certified Repair Center. Before sending in the unit for repair, contact VIAVI for an RMA.

Touchscreen display

The touchscreen display operates similar to a smart phone or tablet, where you swipe to go to the next page or zoom in/out by pinching or opening your fingers. Touch the screen to select options or navigate menus.

Buttons

The buttons are found under the touchscreen.

Navigation arrows and OK button – Navigate and select menu items.

Home – Return to the main menu.

Power – Press and hold the **Power** button to turn the ONX on or off.

Back/Cancel – Exit a menu or go back to the previous menu.

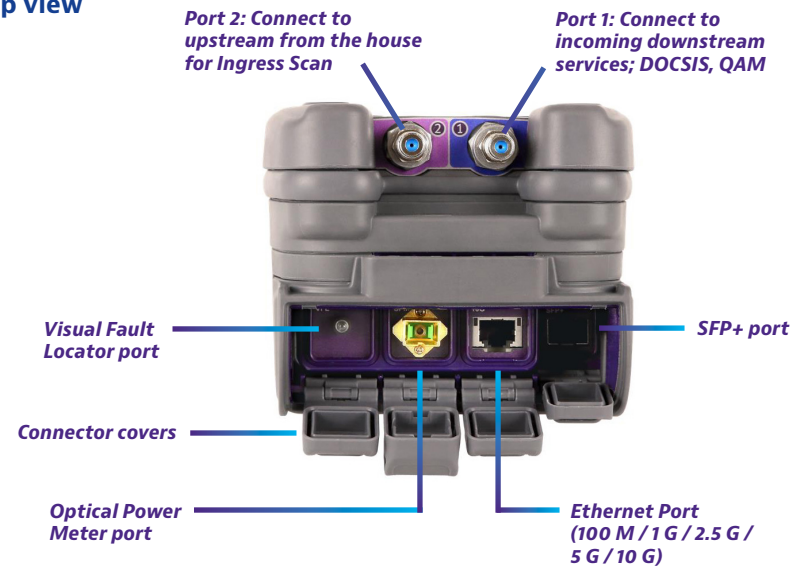
Tray– Brings up the Tray menu for common functions. See *"Using the tray menu"* on the next page.



Side view



Top view



Important: The selective power meter connection should be cleaned and inspected as well as the optical jumper prior to connecting.

Test modes

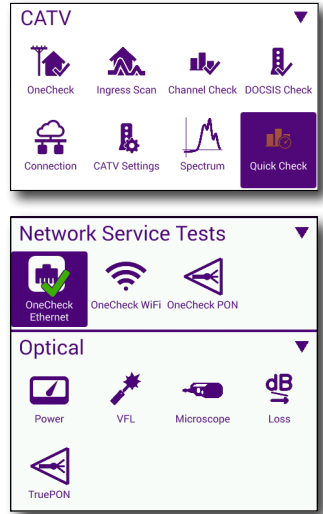
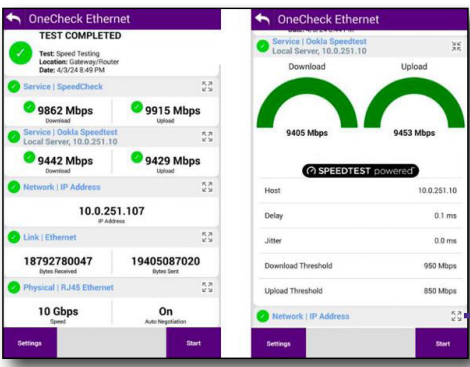
The ONX has a simplified test structure: Cable TV and Network Service OneCheck, and Optical test features provide autotests and troubleshooting.

Run OneCheck and the Optical tests for comprehensive autotests of your network, access points, and fiber power and loss. Press the icon to run.

Using the OneCheck dashboard

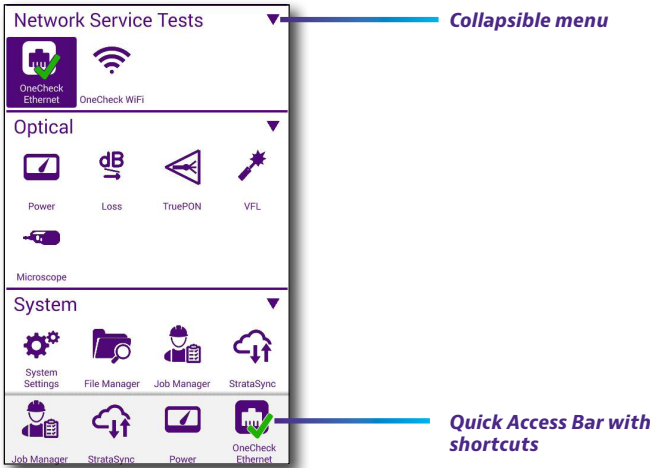
OneCheck provides a comprehensive dashboard that shows results for Ingress Scan, Downstream Scan, DOCSIS, Speedtests, Ping, Network, GPON, and WiFi Access Points, etc.

For each panel in OneCheck, you can get more test result details by touching the panel on the touchscreen.



Drill-down details

Navigating the user interface



The user interface of the ONX is designed to be intuitive and easy to use. You can view test results, set up the OneExpert, and configure test parameters easily.

When you power up the ONX, the **Home** screen appears. The Home screen indicates the options enabled on your instrument.

Battery status and time

The area at the top of the screen provides the battery status (using a graphic of the battery and percentage of the charge remaining), network connections, and the current time.

Expanding a menu

Each section on the main menu is a collapsible menu. You can expand each of the collapsible menu items by pressing the triangle on the right.

The triangle points down to show the menu is expanded.

Selecting a menu option

After you expand a collapsible menu, you can select a specific option by pressing the menu option.

Using the tray menu

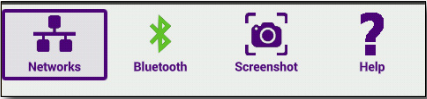
The Tray menu allows access to commonly used functions. Bring it up by swiping downward from the top of the screen.

Network – Brings up the Network connections menu (Ethernet and WiFi)

Bluetooth – Enables or disables Bluetooth

Screenshot – Takes a screenshot of the screen you were viewing when you launched the tray menu

Help – Provides TAC support contact info



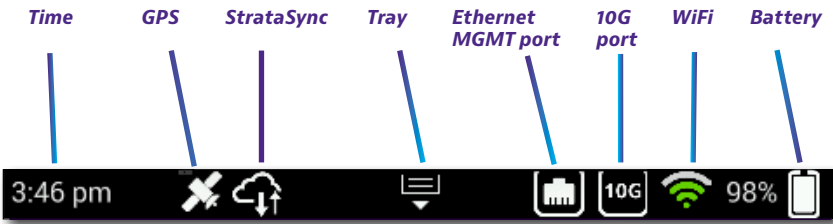
Personalizing the user interface

If you have a test or function that you use frequently, you can make it a shortcut. You can create up to four shortcuts.

To create a shortcut, touch and hold the icon and then drag it to the bottom of the screen. To remove the shortcut, drag it off of the shortcut bar.

Top indicators

The area at the top of the screen provides the time, GPS icon, StrataSync status, Tray icon, Ethernet management port, 10G port, WiFi, and battery status (using a graphic of the battery charge remaining).



Connecting to StrataSync from the VIAVI Mobile Tech App

You can connect to StrataSync using your smart phone or tablet anytime, anywhere using the VIAVI Mobile Tech app.

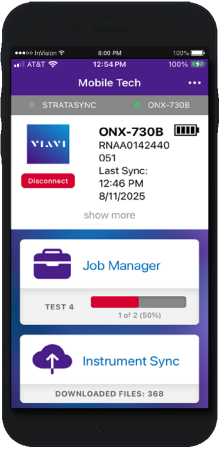
Mobile Tech supports sync and file management between your OneExpert and StrataSync using an iOS or Android mobile device.

Once your instrument is connected to the Mobile Tech app via Bluetooth, geo location information can be added to reports and files when syncing to StrataSync. If configuration files or jobs are set to be deployed from StrataSync to your meter, you can check those here, as well as browsing files from the unit itself.

Once you download the application, log in to StrataSync just as you do on the website. To operate the tests, follow the instructions on the application screens.

See the [Cloud Services User Guide](#) for details on setup and connecting to StrataSync.

To get started, download the VIAVI Mobile Tech app from the App Store or GooglePlay.

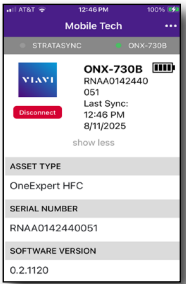
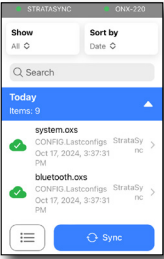
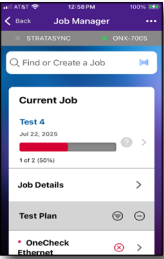


Mobile Tech Main menu

Once you log into StrataSync, you will see the Main menu. Here you can see details of the instrument, sync to StrataSync, manage files on the unit, view documentation, and even contact product support for more information or to request a repair or calibration.

Near the top of the Main menu, you can click **Show more** to see details on your instrument, including all of the installed options.

- **Job Manager** – Allows you to see all your current jobs
- **Instrument Sync** – Sync your instrument to StrataSync to upload test results and deploy configuration files and jobs



- **ONX-720/730 Files and Mobile Tech Files** – Manage the files on the unit and your phone or tablet. Use the ONX-720/730 Files menu to manage files stored on your meter, use the Mobile Tech Files menu to manage those stored on your mobile device.
- **Remote Display** – Connect directly to the OneExpert remotely to configure your unit and run tests
- **Documentation** – View and download various documentation for your instrument, including quick reference guides, how-to videos, applications notes, software release notes, etc

Technical assistance

If you require technical assistance, call 1-844-GO-VIAVI / 1.844.468.4284.

For the latest TAC information, visit <https://support.viavisolutions.com>

<https://www.viavisolutions.com/en/services-and-support/support/technical-assistance>



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