



Using the VIAVI Mobile Tech App with INX™ Series Probe Microscopes

This Quick Start Guide applies only to INX Series Probe Microscopes that support wireless connectivity. Images that indicate a specific microscope are provided only as examples.

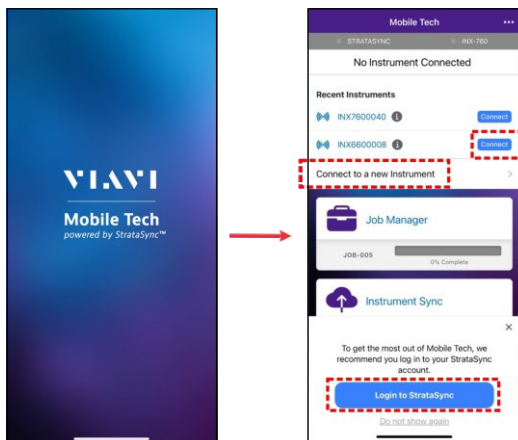
The VIAVI Mobile Tech app is supported on Android and iOS devices, with some minor differences between each platform. This Quick Start Guide refers to the Mobile Tech App on iOS devices.

Accessing and starting the VIAVI Mobile Tech App

The VIAVI Mobile Tech App (Mobile Tech app) is available for download from Google Play and the App Store.



1. Power ON the microscope and ensure that the **WiFi or Bluetooth** system setting is enabled on the microscope.
2. Ensure that WiFi and Bluetooth are enabled on the mobile device. The **Mobile Tech** screen provides the following options for getting started:
 - **Connect** to a microscope (instrument) recently used with the app.
 - **Connect to a new instrument** not yet used with the app.
 - **Login to StrataSync** for access to tools and features of StrataSync while working with a microscope.



Logging in to a StrataSync account

You can log in to StrataSync at any time using either of the following methods:

- **Instrument-based:** Log in using the StrataSync Account and Tech IDs associated with the microscope that the Mobile Tech app is connected to. These IDs are automatically entered when this method is selected.
- **Username:** Log in by manually entering the username and password for a StrataSync account.

1. To access the **Login** screen, do either of the following:
 - Select **Login to StrataSync** on the popup that appears on the **Mobile Tech** screen.
 - Select the Three-dot menu (...) at the top of any screen where it appears, and then select **Login to StrataSync**.

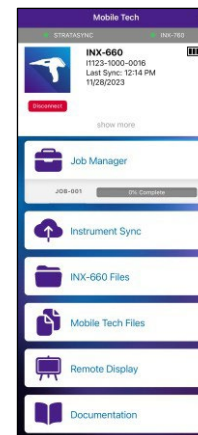
Note: To use instrument-based login, connect the Mobile Tech app to a microscope associated with the StrataSync account that you want to use before accessing the **Login** screen.

2. On the **Login** screen, do the following:
 - If required, select a StrataSync server from the **Current Server** drop-down list.
 - If required, select the login method that you want to use from the **Login Method** drop-down list.
3. Follow the on-screen login prompts for the selected login method.

When login is completed, the Mobile Tech screen appears and indicates the login status (see “Using the VIAVI Mobile Tech app tools” on this page).

Note: For information about using StrataSync, contact your VIAVI representative for information about accessing StrataSync documentation.

Using the VIAVI Mobile Tech app tools



- ... (Three-dot menu): Available on most screens in the app; provides access to the following tools:
 - **Login to StrataSync**
 - **Documentation:** Access available user documentation
 - **Product Support:** Access the **Technical & Product Support Portal** login
 - **Settings:** Manage Mobile Tech app settings
 - **Upgrade firmware:** Access the **Upgrade Firmware** screen
- **Status Bar:** Indicates the connection status to StrataSync and to the microscope
 - Grey: No connection
 - Green: Connection established; synchronization in progress (blinking)
 - Red: Connection Issue
- **Device Information:** Provides at-a-glance information about the connected microscope, including serial number, and time of the most recent synchronization with StrataSync. Also indicates when upgrade firmware is available. See “Upgrading INX Series Microscope firmware” on page 3 of this document. Select **Show More** to access additional details, including Tech ID, software version, battery level and temperature, and geolocation information. Select **Disconnect** to disconnect the Mobile Tech app from the microscope network.
- **Job Manager:** See “Job Manager” on page 3 of this document.
- **Instrument Sync:** See “Instrument Sync” on page 3 of this document.
- **INX XXX Files:** See “INX XXX Files” on page 3 of this document.

Note: INX XXX denotes the microscope variant; for example, INX 760 or INX 660.
- **Mobile Tech Files:** See “Mobile Tech Files” on page 3 of this document.
- **Remote Display:** Provides remote access to the microscope touchscreen menus and controls.

Note: Requires VIAVI Mobile Tech app version 5.3 or later.
- **Documentation:** Provides access to available user documentation for the microscope.

Connecting to an INX Series microscope

Bluetooth vs Wi-Fi with BLE

Bluetooth:

- Allows Mobile Tech to be connected to more than one instrument at the same time. Necessary for multi-instrument workflows.
- Allows the phone to be connected to the internet and the INX at the same time.

Wi-Fi with BLE:

- Faster data transfer rate than Bluetooth
- Can be used to update the microscope firmware

Note: The phone may not be able to the internet concurrently with INX (depending on the mobile OS and version) while using Wi-Fi with BLE.

Connecting using Wi-Fi with BLE

Note: Confirm that Wi-Fi with BLE mode is selected in the Wi-Fi and Bluetooth section of the INX System Settings

1. On the **Mobile Tech** screen, do one of the following:
 - Select **Connect to a new instrument**, and then go to **Step 2** in this procedure.
 - If available, select **Connect** for a microscope in the **Recent Instruments** list that displays with the Wi-Fi with BLE icon, and then go to **Step 3** in this procedure.
2. On the **Connect** screen, select a microscope in the **Discovered Instruments** list.
3. As the Mobile Tech app establishes a wireless connection to the microscope, select **Join** in the popup prompting you to join the INX wireless network.
When the connection is established, the **Mobile Tech** screen appears and indicates the connection status (see “Using the VIAVI Mobile Tech app tools” on page 1).

Note: Wi-Fi communications between the microscope and the VIAVI Mobile Tech application are encrypted for security. It may take a few minutes for automatic reconnection to occur

Connecting with Bluetooth

Note: Confirm that Bluetooth mode is selected in the Wi-Fi and Bluetooth section of the INX System Settings

First time connection:

1. On the **Mobile Tech** screen Select **Connect to a new instrument**.
2. -On Android OS select a microscope in the **Discovered Instruments** list on the **Connect** screen.
-On IOS, the **Discover Instruments** button will open the **Select An Accessory** list where you can select the model number of your device before finding it on the **Connect** screen.
3. As the Mobile Tech app establishes a wireless connection to the microscope, select **Pair** in the popup after verifying that the displayed PIN matches the one displayed on the device.
4. Find the INX device in the **Connect** list. And select **Connect**.
-If on iOS, the device will show its Name (Model + last 4 of the Serial Number) at this point. (Ex: INX7600022)
-If on Android, the device will show its Model number at this point .
5. When the connection is established, the Mobile Tech screen appears and indicates the connection status
(see “Using the VIAVI Mobile Tech app tools” on page 1).

Reconnecting to a known device:

1. If available, select **Connect** for a microscope in the **Recent Instruments** list on the main page. It should display with the device name and Bluetooth logo
2. Select **Connect** next to the device name.
3. If device shows grey “Not Connected” ensure that Bluetooth is enabled on the phone.
-If on IOS , and device still shows grey “Not Connected”, then follow first connection procedure

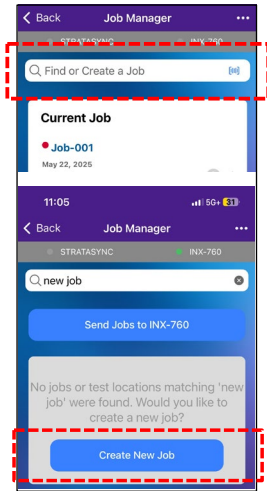
Note: It may take a few minutes for automatic reconnection to occur.

Job Manager

The **Job Manager** tool lists the jobs available on the INX Series Probe Microscope, as well as those available on the Mobile Tech app. You can use the tool to create jobs based on custom templates deployed from StrataSync, send any job to the microscope, change the current job on the microscope, and search jobs by name or test location from the list. Select a job entry to view details about the job, the associated test plan, and available fiber inspection data. You can also access tools for managing the job, including exporting job related files, creating and generating a report, and archiving or deleting the job.

Notes:

- To create a job while logged in to a StrataSync account, use the template **Default Job**. To create a job while not logged in to a StrataSync account, use the template **Ad-hoc Fiber Inspection**. Job creation is done via the search bar.
- During synchronization, jobs created using the Mobile Tech app are uploaded to StrataSync. For information, see “**Instrument Sync**” on this page.
- A tutorial view can be enabled for the Job manager from settings under “Show tutorial view”.



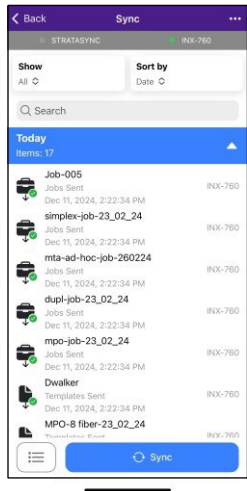
Instrument Sync

The **Instrument Sync** tool performs automatic synchronization of files while the Mobile Tech app is connected to a microscope and to StrataSync.

During synchronization, the following operations are automatically performed:

- Job files created on StrataSync are deployed to the microscope.
- Job files created with the Mobile Tech app are uploaded to StrataSync.
- All saved Pass/Fail test results are uploaded to StrataSync.

The **Instrument Sync** tool lists the completed synchronization operations and related files, and provides **Show** and **Sort** options to enable you to filter files and operations by date or action.



Notes:

- The **Search** tool available on the **Instrument Sync** screen enables you to search for files and operations related to the specified search term.
- Between automatic synchronization cycles, you can select **Sync** to manually perform synchronization while logged in to StrataSync.
- The **Items** tool lets you select items in a filtered list, and share them via tools (e.g., email, chat, file storage) available on the mobile device. Selecting the **Items** tool changes the label **Sync** to **Share** and enables you to individually select the items you want to share.



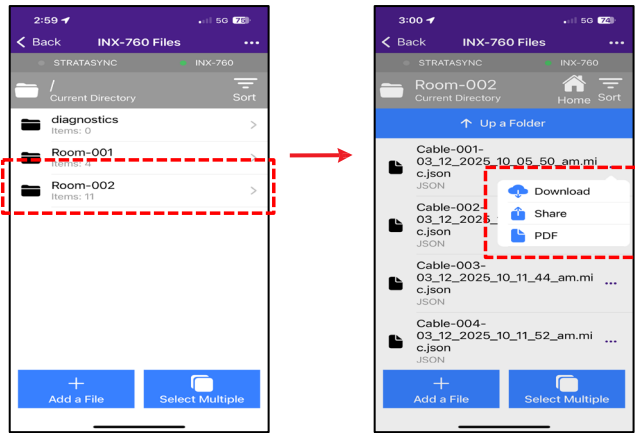
INX XXX Files

The **INX XXX Files** tool enables you to manage job files saved to the connected microscope, including diagnostic files (*.diag) and log files (*.log). Job files are available in folders named for the corresponding job on the microscope; diagnostic and log files are available in the **diagnostics** folder.

You can share files to other apps available on the mobile device, and download one or more files from the connected microscope to the Mobile Tech app so that required jobs and Pass/Fail test data are saved to the app. For information, see “**Mobile Tech Files**” on this page.

PDF Report Creation

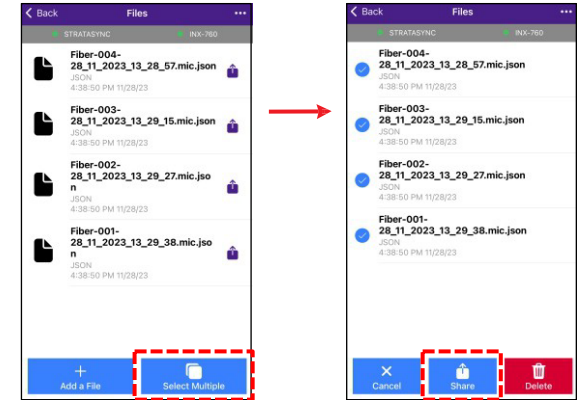
INX test results can be downloaded as PDF reports. From the “**INX XXX Files**” menu, select a job and tap the three dots, showing options for download, share, or PDF. From here you can choose to save the PDF report to your device or mobile tech app files. Multiple results can be selected for a single report.



Mobile Tech Files

The **Mobile Tech Files** tool lets you manage files downloaded to the Mobile Tech app via the **INX XXX Files** tool.

You can share selected files to other apps available on the mobile device, deploy files to the connected microscope, and attach files to another job or delete them.



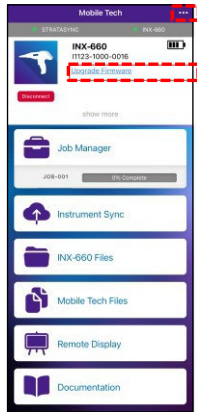
Upgrading INX Series microscope firmware

The Mobile Tech app main screen indicates when StrataSync has deployed upgrade firmware to the microscope. Select **Upgrade Firmware** to begin the upgrade process.

Notes:

- The microscope automatically restarts when the upgrade is completed. You can select Show More to view the version number.
- You can also access the **Upgrade Firmware** screen by selecting the Three-dot menu (...) at the top of any screen where it is displayed.

The **Upgrade Firmware** screen displays firmware information and allows you to start an upgrade when upgrade firmware is available.





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