

DI-3000 Auto-Focus WiFi Scope



The DI-3000 Digital Fiber Inspection Microscope can be operated in either wired or wireless mode and includes an auto focus, which will focus the end face image automatically. It can be used with mobile devices and VeEX test sets.

Compatible VeEX test sets include: MTTplus, RXT-1200, TX300-Series (USB and optional WiFi dongle), and V150 series (USB and optional built-in WiFi). WiFi support requires the host device/test set to have WiFi capability. See the test set's data sheet on www.veexinc.com or contact [VeEX Customer Care](#) for more information.

Overview and Controls

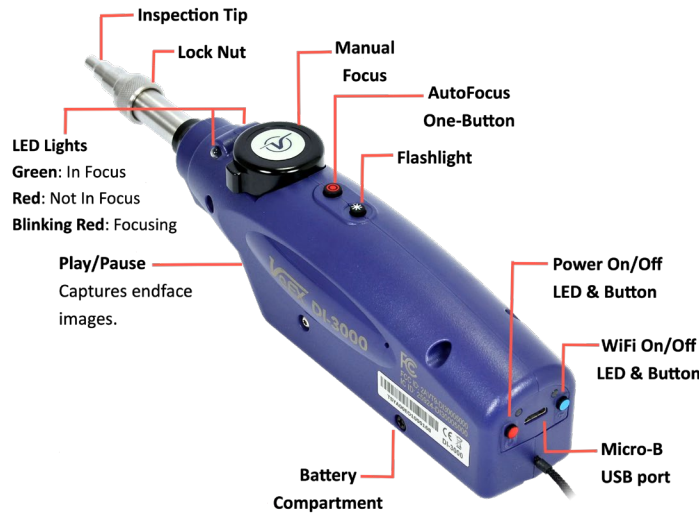



Figure 1: DI-3000 Management Functions

Setup

Press the **Power** button. The blue light lights up during initialization and will turn green when the scope is ready to use. Press the **WiFi** button to allow pairing (white blinking LED). The WiFi can be changed to Auto-Enable when powering ON.

The white LED blinks, indicating it is available for WiFi connection with a host device. VeEX Linux-based test devices support wired/USB and WiFi connection options. Mobile host devices can scan the QR code to connect to the DI-3000.

 When the DI-3000 is connected to power with a USB cable, the scope will power on automatically and remain on until the USB cable is disconnected. If needed, the battery will also be re-charged.

VeEX V150/RXT1200/MTTplus/TX300S Platforms

1. Select the **Fiber Scope** application on the V150 test device, then select the **WiFi Fiberscope** checkbox. The test set will perform the WiFi connection steps (scan, select SSID, connect) automatically.
2. On the **Setup** tab, select **Remote DI-3000** from the **Scope mode** drop-down box, then press **OK** on the confirmation screen.
3. Complete **Page 1** and **Page 2** settings, then select the **Capture** tab and press **Resume** to obtain a Live view.

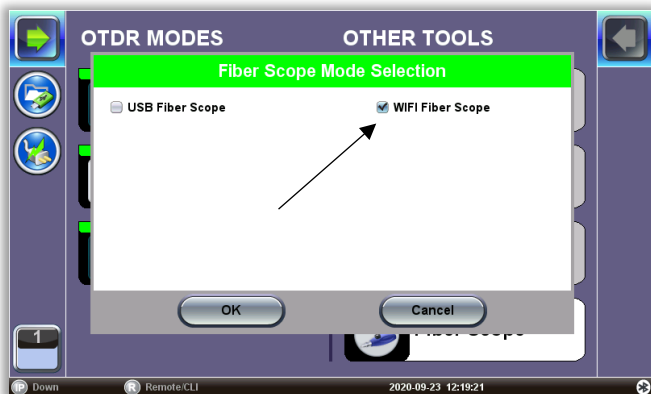


Figure 2: DI-3000 simplified V150 platform WiFi setup

Fiberizer® Mobile Android™ and iOS Plus/Lite

QR code Auto-WiFi Connection

1. After powering on the fiberscope and WiFi, launch **Fiberizer Mobile**.
2. Tap the **QR code** on the mobile device to enter the camera mode to scan the QR code on the DI-3000 automatically.

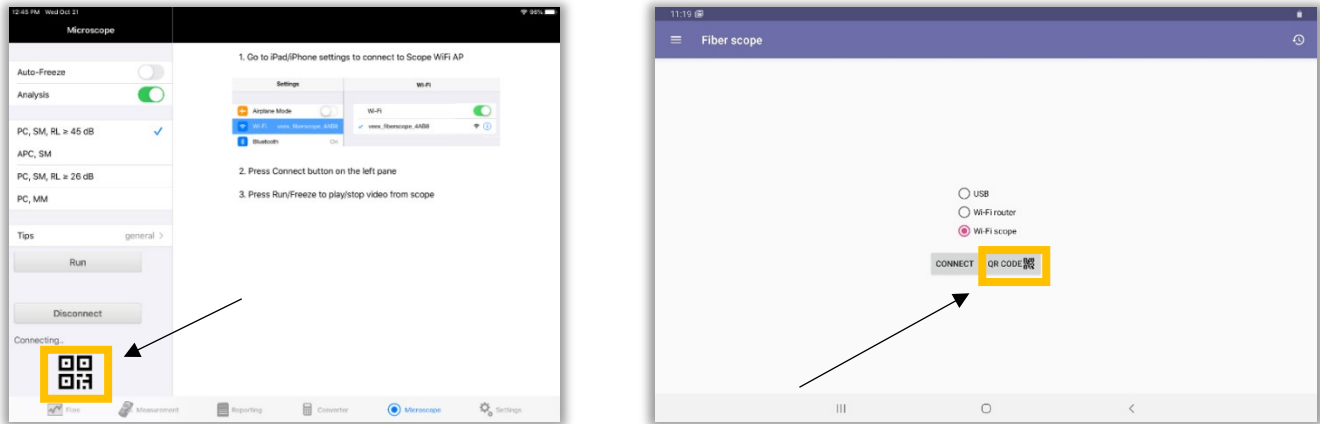


Figure 3: QR Code: Fiberizer iOS Plus left, Fiberizer Mobile Scope Android right

3. Set up as needed and press the **Capture/Play** button on the fiberscope or **Connect > Run** on the app to start Live view. Begin the scoping procedure.

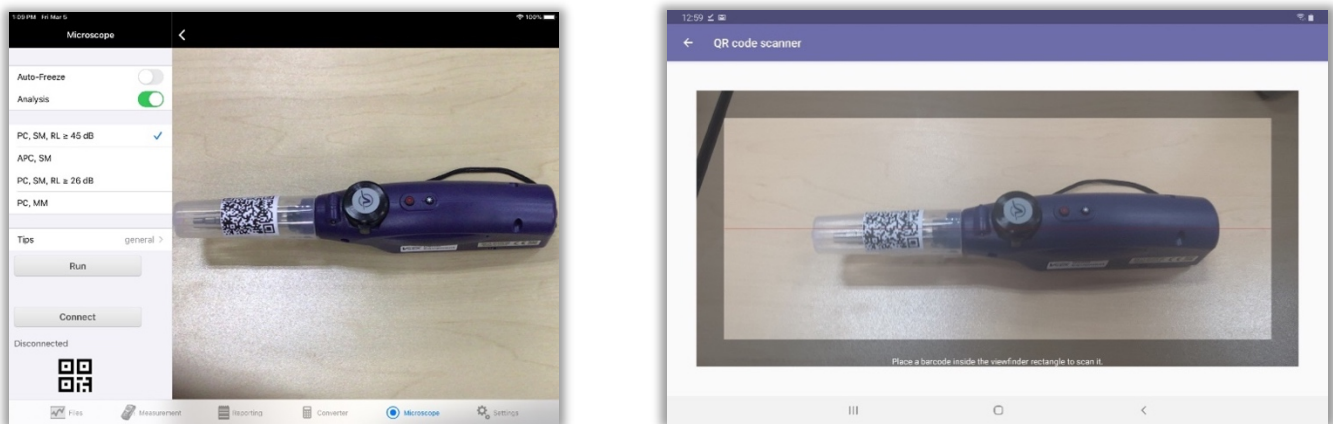


Figure 4: QR Code Scan Location: Fiberizer iOS left, Fiberizer Mobile Scope Android (right)

Manual WiFi Connection Procedure

Pair the DI-3000 WiFi SSID using the host device's WiFi settings, and then launch the Fiber Scope application. (*Applicable to mobile devices.*) For step-by-step instructions, refer to the [DI-3000 User Manual](#) on www.veexinc.com.

DI-3000 WiFi Password



When setting up manually, the WiFi Access/Connect password is: "veexXXXXXX" where XXXXXX is the last 6 digits of the serial number. For example, "veexA00700" is the password for the DI-3000 with a serial number of SN:LA-3KA00700.

USB Procedure

For Android mobile devices and V150 platforms, use an OTG adapter cable (*not provided*) to connect the scope to the USB port. Either a micro-B USB (m) to USB-Type A (f) OTG cable or a USB-C (m) to USB-Type A(f) OTG cable is required. All other Linux platforms can use the provided micro-B USB (m) to USB-Type A (male) cable into any available USB-Type A port. Apple devices will not support USB connection.



For all platforms, to operate in USB wired mode, the DI-3000 WiFi must be turned off and the **Scope mode** must be set to **Local**.

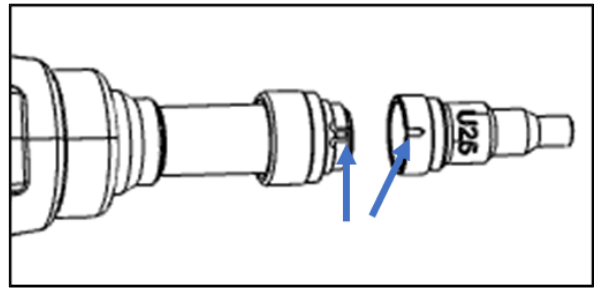


Scoping Procedure

1. After powering on and setting up the fiberscope, select the tip that best matches the connector endface that is to be inspected. DI-3000 tips are secured with a locknut.

Line up the slot or slots on the tip (specialty tips may have more than one). This ensures the tip is properly aligned before securing into place.

Secure the tip by rotating the locking nut clockwise (tip faced away). Remove a tip by rotating counterclockwise (tip faced away).



Consult the tip guide [Adaptor Guide](#) for more information about what tips are available.

2. With the tip attached and secured, launch the Fiberizer application (PC, mobile, VeEX test set) and connect to the DI-3000 (see previous section).
3. Define the following setup parameters: Autosave parameters, file structure naming (Job ID, Cable ID, Fiber ID, Test ID), IEC analysis type, tip type, live scoping functions (Auto-freeze, Rect/Dots highlighting, Shake, or MPO mode w/MPO kit).
4. Press **Play [FMS Android]**, **Resume [VeEX test set]**, or **Run [FMiOS]** to activate the Live video capture feed.
5. The fiber end face image will appear near the middle of viewing screen (APC bulkhead connectors end face images will typically display off center. Inspecting

bulkhead connectors may require scope position adjustment to ensure proper illumination of the fiber end face to reveal defects/scratches and facilitate with P/F analysis.

6. Press the autofocus (red target) button to activate the device's automated focusing feature. When the end face image is in focus, the image will be captured if Auto Freeze is enabled.
7. The captured image and results can be saved automatically or by tapping the screen, depending on the Setup.

To turn off the Fiber Scope or WiFi, press and hold the **Power** or **WiFi** button for 4-5 seconds.

Fiberizer App

All VeEX applications are available in the Apps section of VeEX's website <https://www.veexinc.com/apps.php>. When installing VeEX Apps for the first time, users are required to authorize VeEX as a trusted enterprise developer.

Additional Help

For additional help on setting up and using the DI-3000, refer to the [DI-3000 User Manual](#). Details regarding test profile parameters can be found in the platform user manual on www.veexinc.com. More information on the [Auto Focus feature](#) and a [guide on compatible adapter tips](#) is also available on the [VeEX web site](#).

About VeEX

VeEX Inc., a customer-oriented communications Test and Measurement company, develops innovative test and monitoring solutions for next generation telecommunication networks and services. With a blend of advanced technologies and vast technical expertise, VeEX products address all stages of network deployment, maintenance, field service turn-up, and integrate service verification features across Copper, Fiber Optics, CATV/DOCSIS, Mobile 4G/5G backhaul and fronthaul, next generation Transport Network, Fibre Channel, Carrier & Metro Ethernet technologies, WLAN and Synchronization.

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