

WireXpert MP FQ/FS/FM - User Manual



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Version 3.6.14

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1 Disclaimer

The information contained in these instructions corresponds to the technical status at the time of printing of it and is passed on with the best of our knowledge. The information in these instructions is in no event a basis for warranty claims or contractual agreements concerning the described products, and may especially not be deemed as warranty concerning the quality and durability. We reserve the right to make any alterations or improvements to these instructions without prior notice. The actual design of products may deviate from the information contained in the instructions if technical alterations and product improvements so require.

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Softing Singapore Pte. Ltd.

73 Science Park Drive
#02-12/13 Cintech I
Singapore Science Park 1
Singapore 118254
<https://itnetworks.softing.com>



+ 65 6569 6019



+ 65 6899 1016



asia-support.itnetworks@softing.com

The latest version of this manual is available in the Softing download area at <https://itnetworks.softing.com/>.

Revision: 3.6.14

1.1 Safety Precaution



Read this manual before starting

For damages due to improper connection, implementation or operation Softing refuses any liability according to our existing warranty obligations.



Note

This symbol is used to call attention to notable information that should be followed during installation, use, or servicing of this device.



Hint

This symbol is used when providing you with helpful user hints.



CAUTION

Selection of option may cause all or partial of saved data and/or settings in the device to be erased or restored to non-reversible original factory state. Backing up of saved result(s) is recommended before executing option.



CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



Warning

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury



DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations.

1.2 Intended Use

The WireXpert MP series has been designed for use in factory, process and building control. The unit must not be used in explosion hazard areas. The permissible ambient conditions given in the Technical Data must be complied with.

The faultless and safe operation of the product requires proper transport, proper storage and installation, and expert operation and maintenance in accordance with the manual.

1.3 About this document



Read this manual before starting

For damages due to improper connection, implementation or operation Softing refuses any liability according to our existing warranty obligations.



Note

This document primarily focuses on topics related to WireXpert MP FQ, FS, FM, and fiber optic testing. For information on the device itself and copper testing procedures, please refer to the WireXpert MP User Manual.

1.4 Conventions Used

The following conventions are used throughout Softing customer documentation:

Keys, buttons, menu items, commands and other elements involving user interaction are set in bold font and menu sequences are separated by an arrow	Open Start → Control Panel → Programs
Buttons from the user interface are enclosed in brackets and set to bold typeface	Press [Start] to start the application
Coding samples, file extracts and screen output are set in Courier font type	MaxDlsapAddressSupported=23
Filenames and directories are written in italic	Device description files are located in C: \\<product name>\delivery\software\Device Description files

The following conventions are used in conjunction with products, accessories and procedures mentioned in this documentation:

Action verb	When performed on/with	Example
Tap	Touchscreen	Tap [Back] to return to the previous screen Tap the [Okay] button to proceed
Tap & hold	Touchscreen	Tap and hold selection seconds to multiple select
Swipe	Touchscreen	Swipe right to view the next page
Slide	Touchscreen	Slide the slider to increase brightness
Select	Touchscreen	Select the radio/checkbox/option
Pinch	Touchscreen	Pinch to zoom out the plot

Action verb	When performed on/with	Example
Stretch	Touchscreen	Stretch to zoom in the plot
Press	Physical button	Press the [Home] button
Press & hold	Physical button	Press and hold the button
Click	Mouse	Click the [Okay] button
Attach/Detach	Test Module/Test adapter	Attach the copper module to the mainframe Detach the Channel adapter from the copper module
Connect/Disconnect	Cable to connecting interface	Connect one end of the cable to the RJ45 port on the device Connect the SC connector to the coupler Disconnect the USB cable from the USB port

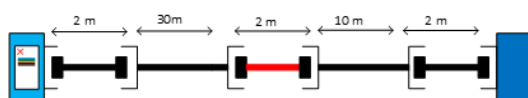
2 About Product

WireXpert MP is Softing's next-generation evolution of the flagship WireXpert certifier. This advanced measurement tool now certifies structured copper cabling up to 3,000 MHz and introduces the new capability of quad-mode fiber optic certification thanks to its redesigned measurement module.

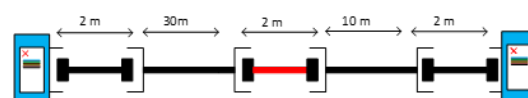
The device's enhanced modular design, consisting of a Mainframe, Test Module, and Test Adapter (for copper), allows for easy customization and scalability to adapt to evolving needs and technological advancements, making it a future-proof investment. The enhanced **Dual Control System Plus** (DCS+) now adds additional features to the dual touchscreen, including dual Autotest buttons, Flip-tag, a built-in camera, and the ability to view test results in landscape mode—all designed to optimize the certification process with unmatched efficiency.

WireXpert MP includes two identical units, LOCAL and REMOTE, for dual-ended testing and certification. The DCS+ ensures that both the LOCAL and REMOTE units display the same graphical data in real-time, significantly enhancing efficiency and productivity by allowing test data and settings to be viewed from either side.

In the event of a wire map failure, the DCS+ enables the operator at the far end to visually identify which specific wire pair is causing the error, along with the corresponding measurement parameters, rather than just relying on a basic LED indication as with traditional testers.



Traditional tester with single display screen, usually on LOCAL unit only



WireXpert MP with LCD screens display on both LOCAL and REMOTE units

WireXpert MP is available in several variants to offer flexibility for your certification needs: WireXpert MP C6A (up to 600 MHz), WireXpert MP C8 (up to 3,000 MHz), and WireXpert MP FQ for Single-mode and Multimode fiber optics. The WireXpert MP C6A variant provides an affordable solution that can evolve with your certification requirements—upgrade to WireXpert MP

C8 when your needs extend beyond CAT 6A. The WireXpert MP FQ offers a complete fiber optic certification solution within a single module platform.

At Softing IT Networks, not only do we design testers that perform fast and accurate results, we build measurement tools that improve user experience and productivity. **Optimize!**

Key differences between WireXpert MP series

WireXpert MP Model	C8	C6A	FQ	FS	FM
Frequency of measurement	3,000 MHz	600 MHz	-		
Accuracy Specification	Exceeds: IEC 61935-1 Level IIIe, IV, V, VI; IEC 61935-1-1; IEC 61935-1-2; TIA 1152A Level IIIe, 2G; TIA-5071; draft ISO/IEC 61935-4		IEC 14763-3, IEC 61280-4-1, IEC 61280-4-2		
CAT 6A and below testing options	Yes	Yes	No		
Class FA/CAT 8 options	Yes	No	No		
SM Fiber Testing option	-	-	Yes	Yes	No
MM Fiber Testing option	-	-	Yes	No	Yes

Calibration

Softing recommends WireXpert MP to be calibrated annually. The devices will remind the user to calibrate the units if the last calibration was more than one year ago. This notification can be closed by tapping the **[Okay]** ✓ button, but will be displayed on every boot up until the units are calibrated.

Calibration data are stored in the Test Module and is not transferable when swapping between Mainframes.

Calibration is not required upon upgrading via license keys or swapping between Mainframes.

Calibration can only be done by the service center. Please contact your local sales representative for more information.

Serial Numbers

Each main component of the WireXpert MP has a unique serial number. The serial numbers can be found on the label at rear of the Mainframe and Test Module. The serial numbers can also be found in **System Settings → Device Information** when the respective component are attached to the Mainframe.



Rear view of the Mainframe

*Rear view of the Fiber Quad
Test Module*

2.1 Scope of Delivery

A standard WireXpert MP FQ or WireXpert MP FS or WireXpert MP FM kit comprises the following parts:



Tri-mode Soft Carrying Case
230058, Qty: 1



WireXpert MP Mainframe units
230051, Qty: 2



Interchangeable adapters¹ for
TX and RX ports



Quad Fiber Optic Measurement
Test Modules
230506, Qty: 2 -or-



Single-mode Fiber Optic
Measurement Test Modules
230508, Qty: 2 -or-



Multimode Fiber Optic
Measurement Test Modules
230507, Qty: 2



Power Supply Adapters
230066, Qty: 2



Adjustable neck/shoulder sling
230068, Qty: 2



Wired Headsets
230065, Qty: 2

- Calibration & conformance certificates, Qty: 1 set
- Cord kits and accessories excluded.

¹ Interchangeable adapters

	TX (SC)	TX (LC)	RX (SC)	RX (LC)
WireXpert MP FQ	4	4	2	2
WireXpert MP FS	2	2	2	2
WireXpert MP FM	2	2	2	2

- TX adapters for Single-mode and Multimode are interchangeable.
- TX and RX adapters are not interchangeable.

2.2 Product Specifications

Parameters	Specifications		
Models	WireXpert MP FQ	WireXpert MP FS	WireXpert MP FM
FIBER OPTIC TESTING			
Accuracies	IEC 14763-3, IEC 61280-4-1, IEC 61280-4-2		
Standard	ISO 11801, EN50173, TIA 568.3, JIS C5150, GB 50312		
Input and output connectors	SC/PC, LC/PC, optional FC/PC, ST/PC		
LIGHT SOURCES			
Light Source	LED: 850 ±20 nm EF compliant, 1300 ±20 nm Fabry-Perot: 1310 ±20 nm 1550 ±20 nm		
Output TX power (nominal) at 23°C	MM: ≥ -24 dBm, SM: ≥ -4 dBm	SM: ≥ -4 dBm	MM: ≥ -24 dBm
Output TX power stability	MM: ±0.05 dB over 8 hours, ±0.03 dB over 15 mins. SM: ±0.1 dB over 8 hours, ±0.08 dB over 15 mins.	SM: ±0.1 dB over 8 hours, ±0.08 dB over 15 mins.	MM: ±0.05 dB over 8 hours, ±0.03 dB over 15 mins.
POWER METER			
Power Meter	800 - 1650 nm, calibrated on 850, 1300, 1310, 1550 nm		
Power Measurement Range	850 nm: 5dB m to -65 dBm, Others: 5 dBm to -70 dBm		
Power Measurement Uncertainty	< ±5 % ±32 pW over 8 hours		
Measurement Linearity	< ±0.1 dB over 8 hours		
Max Length	MM: 12 km, SM: 130 km	SM: 130 km	MM: 12 km
Length measurement accuracy	±1.5 m plus ±1 % of link length		
Units	dB, dBm, mW		
VISUAL FAULT LOCATOR			

Parameters	Specifications
Input Connectors	1.25 mm & 2.5 mm ferrules
Output Power	>-5 dBm <0 dBm
Laser Safety	<1 mW, CLASS II CDRH
GENERAL SPECIFICATIONS	
Interfaces	4x USB host, 1x USB device, 1x DC power jack, 1x 3.5mm audio jack, 1x RJ45 Ethernet jack
Display	5.5" industrial LCD, projected capacitive touch sensitive area on both units
Camera	Single 5MP, f/2.2, 89 degree FOV, integrated with single white LED
Sensority	Built-in accelerometer for screen orientation
Enclosure	Ruggedized plastic with rubber over-mold and rubber dust covers
Remote unit abilities	View test results, save tests, start autotest
Power supply	AC 100-240V to 12V; 3A power adapter
Battery	7.2V, 6.7Ah; removable and rechargeable Li-Ion
Operating time with batteries	8 hours continuous operation
Internal storage capacity	2,500MB or > 10,000 test results (excluding images)
External storage	USB Flash Drive
Dimensions	260mm x 120mm x 55mm
Weight	Approx. 1.1kg (incl. battery)
Supported languages	EN, DE, FR, ES , IT
Calibration period	1 year
ENVIRONMENTAL	
Operating temperature	0 to 40°C
Storage temperature	-20 to 60°C
Relative humidity	10% to 80%
MINIMUM SYSTEM REQUIREMENTS FOR REPORTING SOFTWARE	
Microsoft Windows 10/11, 32 or 64bit	Intel Core i5, 2.4GHz and higher
500MB of free disk space	1GB RAM
Microsoft.NET Framework 4.0	

2.3 Environmental and Regulatory Specification

SAFETY

IEC 62368-1

EMC

CISPR11: Group 1 Class A

EN55011: Group 1 Class A

Class A: Equipment is applicable for use in all establishments except domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes.

Emissions which exceed the levels required by CISPR11 and EN55011 may occur when the equipment is connected to a test object.

IEC/EN 61326-1: Industrial Electromagnetic Environment



CAUTION

This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception under such environment.

2.4 Product Overview



Part	Functionality												
FRONT VIEW													
[Power]  button	To turn on the device, press and hold the power button for 2 seconds. To turn off the device, press and hold the power button for 2 seconds and select the [Okay] button to shutdown the device safely. To turn off the back-light without shutting down the device, press and release the power button quickly. Touch the screen or press the [Home] button to restore. <table border="1"> <thead> <tr> <th>LED status:</th><th>Description</th></tr> </thead> <tbody> <tr> <td>Green </td><td>The device is fully charged when the power supply is connected. The device is switched on, in battery mode.</td></tr> <tr> <td>Red </td><td>The device is switched off, charging.</td></tr> <tr> <td>Red, blinking </td><td>The device is switched off, battery removed, in AC power mode. The device is switched off, not charging due to ambient temperature being below 0°C or above 40°C.</td></tr> <tr> <td>Orange </td><td>The device is switched on, charging.</td></tr> <tr> <td>Orange-green, blinking </td><td>The device is switched on, battery removed, in AC power mode. The device is switched on, battery in, power supply is connected while performing an Autotest. The device is switched on, not charging due to ambient temperature being below 0°C or above 40°C.</td></tr> </tbody> </table>	LED status:	Description	Green 	The device is fully charged when the power supply is connected. The device is switched on, in battery mode.	Red 	The device is switched off, charging.	Red, blinking 	The device is switched off, battery removed, in AC power mode. The device is switched off, not charging due to ambient temperature being below 0°C or above 40°C.	Orange 	The device is switched on, charging.	Orange-green, blinking 	The device is switched on, battery removed, in AC power mode. The device is switched on, battery in, power supply is connected while performing an Autotest. The device is switched on, not charging due to ambient temperature being below 0°C or above 40°C.
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Touch Sensitive LCD screen	Performs configuration, test executions and viewing of results.												
[Home]  button	Returns device to the Home screen.												
FlipTag	Reversible tags changes unit to the LOCAL or REMOTE unit when flipped and reattached to the Mainframe. Function can be disabled in system settings.												
LEFT SIDE VIEW													
Audio port	Enables vocal communication between LOCAL and REMOTE units when connected to talk set headphones.												
Power Supply port	Performs charging of device when connected to power adapter shipped with WireXpert MP.												
AUTOTEST button (L)	Performs test based on the saved configuration and settings.												
RIGHT SIDE VIEW													
USB device port (1), (2)	Used only for the Wi-Fi and Bluetooth dongle as required for the respective connectivity.												
USB device port (3), (4)	Enables exporting of test results and importing of configuration files via USB memory sticks and other peripherals supported by the device.												

Part	Functionality								
RJ-45 communication port	For development and debugging purposes only.								
AUTOTEST button (R)	Performs test based on the saved configuration and settings.								
RIGHT SIDE VIEW (MODULE)									
VFL A ⚠	Port for visual fault identification on fiber optic cables with 2.5mm ferrules.								
VFL B ⚠	Port for visual fault identification on fiber optic cables with 1.25mm ferrules.								
BACK VIEW									
Module interface connector	When connected with different measurement modules, device will enable specified measurement test to be conducted.								
Battery compartment	Battery storage compartment. Refer to Battery Information ¹⁸ for more information.								
TOP VIEW									
Onboard camera	Built-in camera for taking snapshots for attaching to test reports.								
Flash light	Light for dim or dark environment.								
TOP VIEW (MODULE)									
TX (MM) ⚠	Interchangeable screw-on adapter for transmit port; for Multimode fiber testing only. Port available on FQ and FM models only.								
RX	Interchangeable screw-on adapter for receive port; supports Single-mode and Multimode fiber testing.								
TX (SM) ⚠	Interchangeable screw-on adapter for transmit port; for Single-mode fiber testing only. Port available on FQ and FS models only.								
TX Indicators	LED indicators display the active fiber type (single-mode or multimode). The LED color changes based on the wavelength in use.								
<table border="1"> <thead> <tr> <th>LED status:</th><th>Description</th></tr> </thead> <tbody> <tr> <td>Green ●</td><td>SM - 1550nm; MM - 1300nm</td></tr> <tr> <td>Red ●</td><td>SM - 1310nm; MM - 850nm</td></tr> <tr> <td>Off ●</td><td>Light source (TX) is inactive</td></tr> </tbody> </table>		LED status:	Description	Green ●	SM - 1550nm; MM - 1300nm	Red ●	SM - 1310nm; MM - 850nm	Off ●	Light source (TX) is inactive
LED status:	Description								
Green ●	SM - 1550nm; MM - 1300nm								
Red ●	SM - 1310nm; MM - 850nm								
Off ●	Light source (TX) is inactive								

**CAUTION**

CLASS 2 LASER RADIATION WHEN OPEN.
DO NOT STARE INTO BEAM.

2.5 Battery Information

WireXpert MP units are powered by Lithium Ion rechargeable batteries. These batteries contain circuitry that reports their state of charge to the device. The devices can be powered by external AC/DC power supply adapters.

A fully charged battery can operate WireXpert MP for five to eight hours before requiring recharging. Reducing the screen brightness and enabling the sleep function allows the device to run longer on a charge.



WARNING

Do not set reference or operate WireXpert MP while the battery is hot immediately after charging.

Make sure that the WireXpert MP is always operated within the allowed temperature range from 0-40°C. If a significant increase or decrease of the temperature is discovered, repeat the set reference procedure to remain the instrument's accuracy



CAUTION

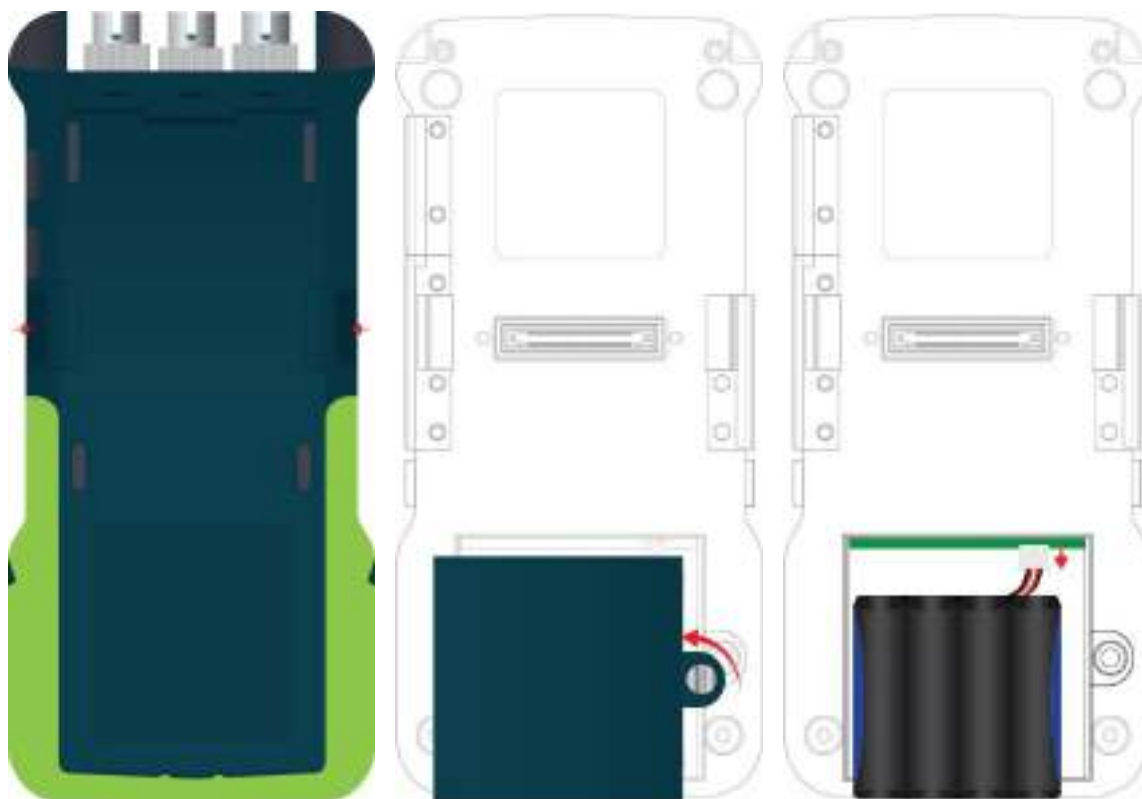
Use only the power supply adapters delivered with the WireXpert MP kit. Using other powers may damage the device and void its warranty.

Battery Safety

- To avoid the risk of fire, burns or damage to your battery pack, do not allow metal objects to touch the battery contacts.
- The battery pack is suitable for use only with compatible WireXpert MP devices.
- Do not disassemble the battery pack. There are no user serviceable parts inside. Do not dispose the battery pack in fire or water.
- Handle a damaged or leaking battery with extreme care. If you come into contact with the electrolyte, wash the exposed area with soap and water. If the electrolyte contacts the eye, flush the eye with water for 15 minutes and seek medical attention.
- Do not expose the battery pack to high storage temperatures (above 40°C).
- When discarding a battery pack, contact your local waste disposal provider regarding local restrictions on the disposal or recycling of Lithium Ion batteries.
- To obtain a replacement battery (230061), contact your local dealer.
- Do not charge the batteries pack if the ambient temperature is above 40°C.

Replacing Battery

1. Switch off WireXpert MP and disconnect external power supplies.



2. Detach the Test Module from the Mainframe.
3. Unlock the quarter-turn stud to remove the the cover of the battery compartment on the Mainframe.
4. Disconnect the connector from the device and remove the battery from the compartment.
5. After disconnecting the battery, press and release the power button to perform a power discharge.
6. Replace and connect new battery to the Mainframe.
7. Close the cover and lock the quarter-turn stud onto the Mainframe.



Note

There will not be any visible reaction when performing the power discharge. By performing the battery, any information from the previous battery will be erased and replaced with the new battery.



CAUTION

Use only the batteries supplied by Softing. Using other batteries may damage the device and void its warranty.

2.6 PC Software and Device Firmware

Minimum System Requirements for Reporting Software

- | | |
|---------------------------------------|-----------------------------------|
| ✓ Microsoft Windows 11, 32 or 64 bits | ✓ Intel Core i5, 2.4GHz or higher |
| ✓ 500MB of free disk space | ✓ 1GB RAM |
| ✓ Microsoft .NET Framework 4.0 | |

Install PC software

1. Download the latest eXport PC software from <https://itnetworks.softing.com/>
2. Run eXport setup v9.x.x64.exe
3. Follow through the instructions on the screen and click **[Next]** to proceed.
4. Click **[Install]** to begin installation.
5. Click **[Finish]** to complete installation.
6. If this is an upgrade from an earlier version from 6.x and above, click **[Yes]** to proceed.
7. Follow the instructions to complete installation.



Read this manual before starting

For more information on installation and using eXport PC software, please refer to “Installation Guide for eXport PC software” and “User Manual for eXport PC software”.

Update firmware

1. Download and install the latest eXport PC software.
2. Connect an USB flash drive to the workstation.
3. Run eXport PC software.
4. Go to **Tools → Update Device Firmware**
5. Click **[OK]** and select USB drive from “Export to USB” window.
6. Click **[Export]** and **[OK]** to proceed.
7. Please wait while exporting takes place. This process may take a while.
8. Remove USB flash drive from workstation and connect to WireXpert.
9. Select **[Upgrade Firmware]** from prompt and click **[OK]** button to continue.
10. If prompt did not appear, check that USB icon is present on the status bar. Tap the USB icon on the status bar or go to **System Settings → Storage → USB**.
11. Please wait while upgrading takes place. This process may take a while.
12. Firmware update is completed.

**CAUTION**

Saved test results and settings may be erased during upgrading. You are recommended to save all test results before upgrading the firmware.

**Note**

It is recommended to update both LOCAL and REMOTE units using the same firmware version.

2.7 General Product Maintenance and Care Guide

This document contains general instructions and recommendations in performing maintenance and care for the product, accompanying and optional accessories.

Products and accessories are recommended to operate and stored under the conditions as stated in the [Product Specifications](#)¹².

Mainframe

- a) The touchscreen and all other parts of the main device are recommended to be cleaned with a soft cloth without any solvent.
- b) The Test Modules are recommended to be calibrated annually. Calibration can only be performed by authorized Service Centers. Please contact your local sales representative for more information.
- c) All electronic parts and components should not be dismantled and replaced. Any unauthorized repairs or modifications will void all warranties. Please contact your local sales representative for more information.

Battery

- a) Use only battery supplied by Softing for your devices.
- b) The battery in the device should not be fully discharged and fully charged again if the device is planned for storage over an extended period (i.e., more than 6 months). Li-ion batteries will naturally discharge over time during storage, so it's recommended to check the battery level every 3 to 4 months and recharge it to around 50% if necessary. This helps preserve battery health and ensures the device remains in good working condition.
- c) The battery in the device should be fully discharged and fully charged again after a long period of inactivity to allow reset of battery level measurements.
- d) If battery replacement is required, the user non-replaceable battery in the device will maintain the internal clock for 24 hours.

Copper Test Module & Adapter

- a) Recommended insertion cycles before replacement
 - Channel: 10,000 (typical)
 - Permanent Link: 5,000 (typical)
- b) Lint-free wipes or isopropyl alcohol may be used to remove oxidation residues on the copper contacts, e.g., the test adapter interface and connector port.
- c) Copper Test Modules are recommended to be calibrated annually. Calibration can only be performed by authorized Service Centers. Please contact your local sales representative for more information.

Fiber Optic Test Module

- a) Fiber optic end-face inspection for contamination to the patch cords, patch panels and equipment are recommended before performing any termination.
- b) Fiber optic end-face cleaning is recommended before performing any termination.
- c) Fiber Optic Test Modules are recommended to be calibrated annually. Calibration can only be performed by authorized Service Centers. Please contact your local sales representative for more information.

Copper Permanent Link/Test Reference Cord

- a) Recommended insertion cycles before replacement: 750

Fiber Optic Reference Cord

- a) Fiber optic end-face inspection for contamination to the patch cords, patch panels and equipment are recommended before performing any termination.
- b) Fiber optic end-face cleaning is recommended before performing any termination.
- c) Ensure the patch cords are straight, without tension and refrained from sharp bends to prevent causing damage and/or additional losses to the cables.

AC Power Supply Adapter

- a) The power supply adapter should be protected from high temperature and moisture at all times.
- b) The power supply adapter should be used in a well-ventilated environment.

Warranty, extended warranty and XpertCare program

Softing provides a standard one-year warranty for manufacture defects. The warranty covers defects such as devices or accessories that have ceased to operate as intended that are not caused by mishandling or wear and tear. The standard warranty does not include calibration. An optional extended warranty can be purchased with each new purchase of the device.

Softing recommends calibrating WireXpert MP annually. The XpertCare program supports annual calibration and replacement of selected test accessories. Please contact your local sales representatives for more information.

For more information on Service Centers and technical support, please visit <https://itnetworks.softing.com/contact/>.

3 Understanding the Product

[Home] button

The device can be navigated using the touchscreen and be returned to the Home screen by pressing the [Home]  button.

The AUTOTEST buttons

The AUTOTEST or Autotest buttons are located at both sides of the device, allowing left or right handed person to handle and operate the device more efficiently. The buttons can be configured to be active only when there it is connected to a far-end unit. Soft button only option is also available. Refer to [Auto-test Settings](#)  for more information.

By pressing either of the AUTOTEST button, the device will perform a certification test on the last configured settings. If no settings were configured, default settings will be used.

Test summary screen indicating the overall test result and individual parameters with the following symbols. More information of the test results can be viewed by selecting [View Details]  on the result screen.

	"PASS" – Good test result in accordance to pre-defined settings.
	Marginal "PASS" – "PASS" result with one or more test parameters that have margin in the range of uncertainty of the tester.
	"FAIL" – Unacceptable results with severe disturbance on one or more test parameters.
	Marginal "FAIL" – "FAIL" result with one or more test parameters that have negative margin in the range of uncertainty of the tester.
	For Information Only - Parameter is tested but not required for the selected test limit or configuration.

FlipTag

The FlipTag allows the user to swap a LOCAL unit to become a REMOTE unit by removing the tag from its dock, flip it over and place it back to the dock. This feature can be disabled from the **System Settings → Display Settings → Device Type**.

Onboard Camera

The onboard camera allows the user to take a snapshot of the test conditions as an optional attachment to the main test result. This feature can be selected from the TOOLS menu.

Landscape-view

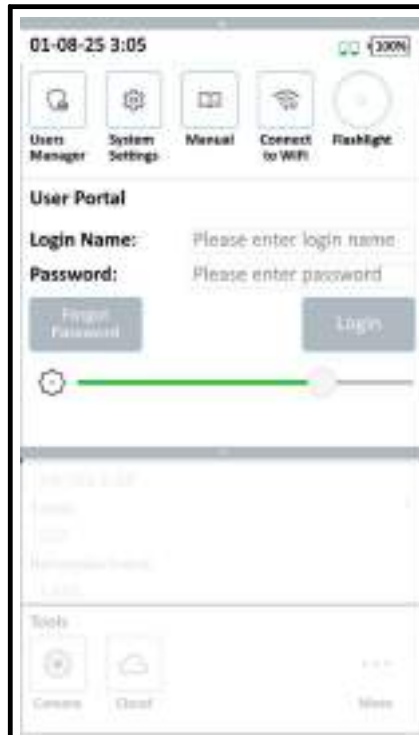
Plots from AUTOTEST results can be viewed in the landscape orientation to maximize viewing. Rotate the device to switch between portrait and landscape view. Feature is only available on plots of AUTOTEST results, e.g., NEXT, Return Loss, ACRF, etc. This feature can be enabled from the **System Settings → Display Settings → Device Type**

3.1 Graphical User Interface Overview

On boot-up, the Home screen is divided into 6 sections.

	1. Slide-down menu 2. Status bar 3. Fiber Connection Status 4. Project, Site and Data 5. Test Settings 6. Tools
--	---

- 1. The **Slide-down menu** can be triggered by performing a swipe-down action from the top of the screen ▼. It provides quick accessible options to user and device configurations. Slide the menu upwards or press the **[Home]** button to hide menu.



2. Slide-down menu

- b. **Quick Toggles** - Device based toggle options.
- c. **User Portal** - Enables user to login and gain access to permission-based options. Refer to **User Management** for more information
- d. **Brightness slider** - Enables user to adjust the screen brightness.

2. The **Status bar** displays the current date & time, Wi-Fi connectivity status , USB connectivity status , device connectivity status  and battery level . Tap icons to change or view setting.
3. **Fiber Connection Status** - Reports instantaneous communication status if the TX and RX ports are connected.
4. **Project, Site & Data** - Project oriented configurations and information, such as site information and test results.
5. **Test Settings** - Test oriented configurations, such as cable and connector selection, test limits and options.
6. **Tools** - Advanced and single test applications.

3.2 Slide-down Menu

The Slide-down menu  provides quick accessible options to user and device configurations. This menu cannot be accessed during an AUTOTEST or at the result screen.

Quick Toggles



User Manager

The User Manager allows the device admin to add Technicians or Managers to the device. Refer to [User Manager](#)^[27] for more information.



System Settings

The System Settings provides device oriented configurations, such as display, time & date and power settings. Refer to [System Settings](#)^[32] for more information.



Manual

Select option to access the product User Manual.



Wi-Fi Settings

Tap to enter Wi-Fi configuration screen. External USB Wi-Fi dongle (230063) is required. Refer to Wi-Fi for more information.

Quick Toggles



Flashlight

Toggle option to enable or disable built-in LED flashlight located at the top of the Mainframe unit.

User Portal

The User Portal allow user to log-in as a Technician or Manager for permission based features.

Login Name must be a valid email address as credentials will be emailed to this mailbox when "Forgot Password" option is selected.

Password must be at in alphanumeric characters. Special or not English characters cannot be used.

3.2.1 User Manager



Users Manager

The User Manager allows the device admin to add Technicians or Managers to the device.



Display Settings

To add a user, from the Home screen

A screenshot of a mobile application interface titled "User Manager(1)". At the top, there is a status bar showing the date "04-09-24 11:59" and a battery icon at "100%". Below the title, there is a slide-down menu with the word "Add" selected. The form contains several input fields: "User Name:", "User Email:", "New Password:" (with a placeholder "Please enter password"), and "Confirm Password:" (with a placeholder "Please confirm password"). Below these fields is a "User Type:" section with two radio buttons: "Technician" (which is selected and has a green dot) and "Manager". At the bottom of the form are two buttons: one with an "X" icon and one with a checkmark icon. The entire form is enclosed in a light blue border. At the very bottom of the screen is a navigation bar with three icons: a back arrow, a trash can, and a pencil.

1. Pull down the Slide-down menu.
2. Select **[User Manager]**.
3. Tap **[Add]** +.
4. Enter **User Name** to create display name.
5. Enter **User Email**.
6. Enter **New Password**.
7. Enter password again to **Confirm Password** change.
8. Select
 - a. **[Technician]** account to allow the user to have limited configuration access to the device. The technician will only be able to access user and test related settings, including performing tests.



- b. **[Manager]** account to allow the user to have full configuration access to the device, including system settings and management of users. The Project Manager will be able to manage projects and sites for Technicians.
9. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.



Note

An active Internet connection is not required to add a Technician or Manager user to the device. However, a working email is required for password recovery.



Note

A Manager account has been created by default. Login to that account to add another Manager. This account cannot be deleted for recovery purposes.

Please email asia-support.itnetworks@softing.com with your device serial numbers for the login credentials.

To find a User,



1. Tap **[Search]** .
2. Enter the user name to search.
3. Tap **[Okay]**  to confirm, or **[Cancel]**  to exit.

To edit a User,



1. Select user to be edited.
2. Tap **[Edit]** .
3. Enter **User Name** to change display name.

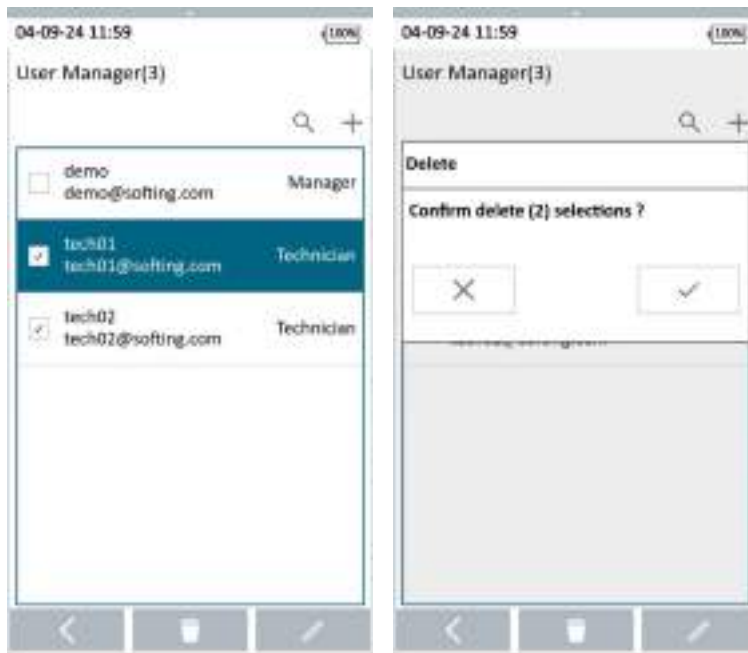
4. Enter **New Password** to change password.
5. Enter password again to **Confirm Password** change.
6. Select to change **User Type**.
7. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.

To delete a User,



1. Select user to be deleted.
2. Tap **[Delete]** ☒.
3. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.

To delete multiple Users,



1. Tap and hold on a user to toggle multiple selections.
2. Select users to be deleted by selecting the check-boxes.
3. Tap **[Delete]** .
4. Tap **[Okay]**  to confirm, or **[Cancel]**  to exit.

3.2.2 System Settings

Display Settings

Language

Select to change language. Tap **[Okay]**  to save selection or **[Back]**  to exit Language selection.



Length Unit

Select the preferred length unit to be displayed. **Feet** (ft) and **Meters** (m) are available. Selection will be automatically saved.



Length Unit

Device Type

Select to switch a LOCAL unit to REMOTE, or vice versa. Selecting the LOCAL or REMOTE option will disable the FlipTag. Device will reboot if REMOTE is selected while in LOCAL mode, or vice-versa.

Select **[From FlipTag]** to automatically switch sides based on the physical attachment of the FlipTag. Selection will be automatically saved. Device will require to reboot to take effect.



Device Type

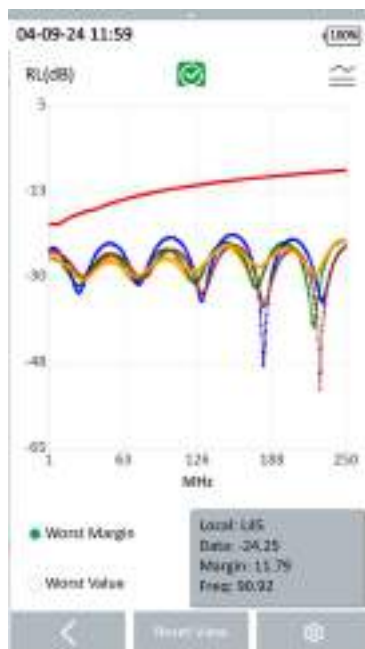
Plot Settings

Y-axis

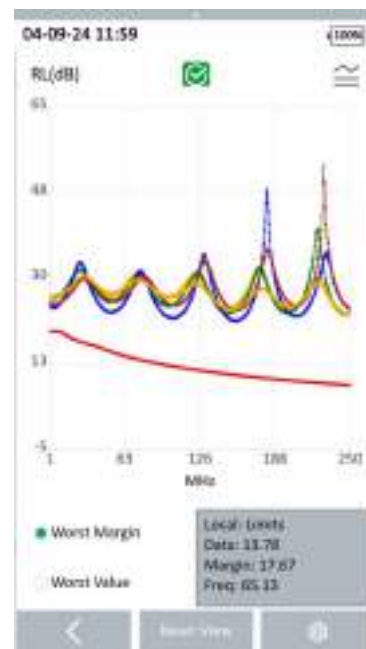
Select to select the how the plot's Y-axis will be display. **[Normal]** and **[Flipped]** Y-axis are available.



Plot Settings > Y-axis



Normal Y-axis plot



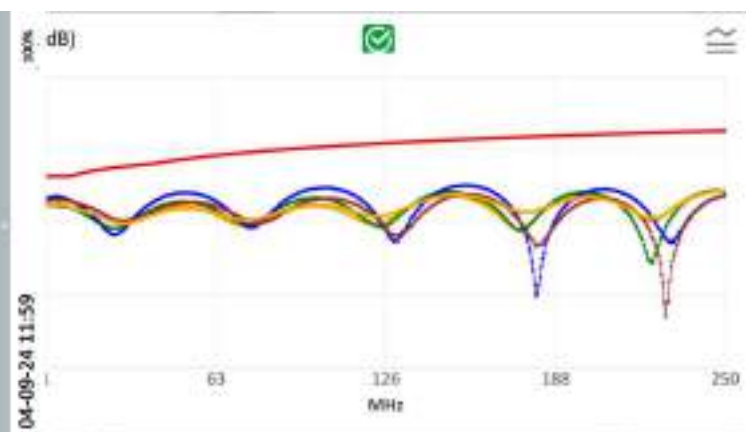
Flipped Y-axis plot

Orientation

Select to enable device to view plots in landscape orientation when rotated. Select **[Auto]** to enable landscape view of plots by rotating the device and **[Portrait]** to disable rotation.



Plot Settings > Orientation



Landscape

Time & Date Settings

Time Zone

Select time zone from drop-down list.



Time & Date Settings



Time & Date Options



Time Zone

Date & Time

Select Year, Month and Date from the date picker.



Format > dd/mm/yyyy



Format > mm/dd/yyyy

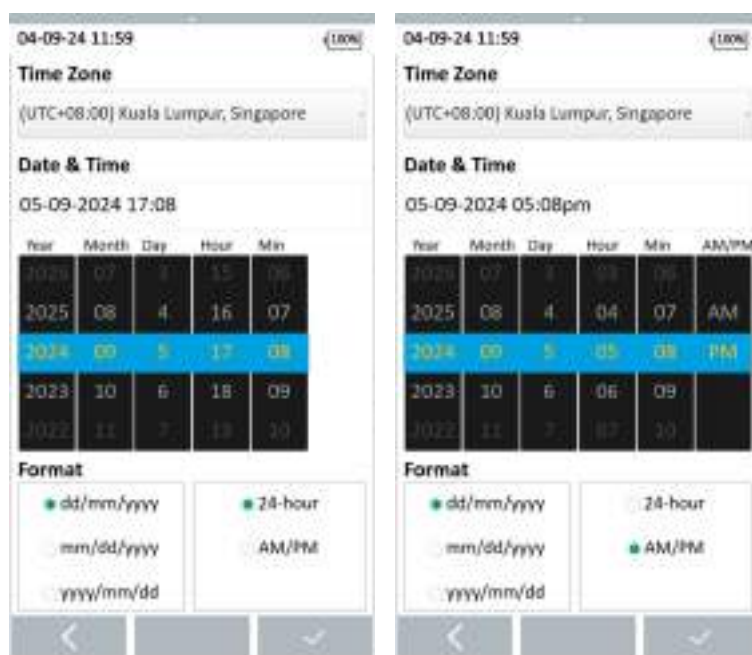


Format > yyyy/mm/dd

Select

- dd/mm/yyyy to display date as date/month/year format, e.g., 31/12/2023 for 31st December 2023
- mm/dd/yyyy to display date as month/date/year format, e.g., 12/31/2023 for 31st December 2023
- yyyy/mm/dd to display date as year/month/date format, e.g., 2023/12/31 for 31st December 2023

Select **[Hour]** and **[Minutes]** from the time picker. **[AM]** and **[PM]** selection will not be available when **24-hour** clock format is selected.

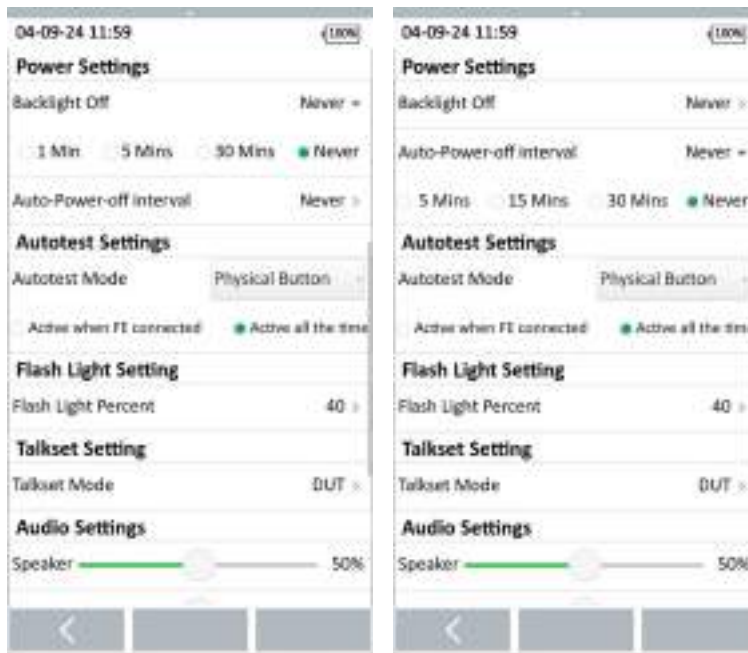


Format > 24-hours

Format > AM/PM

Tap **[Okay]** ✓ to save selections or **[Back]** < to exit from Time & Date Settings.

Power Settings



Backlight Off

Auto-Power-Off Interval

Backlight Off

Select the idle duration before the device backlight switches off to enter power-saving mode.

Touch the screen or press the **[Home]**  button to restore the backlight.

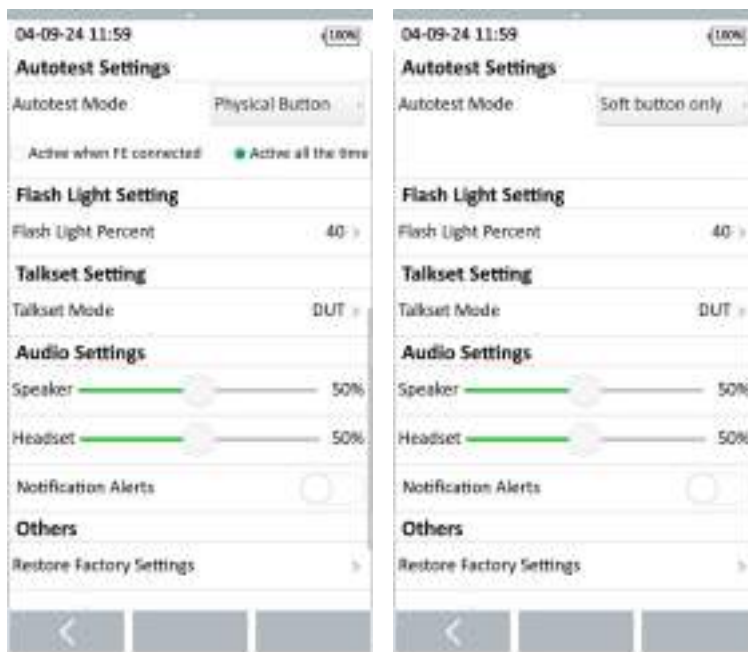
Auto-Power-off Interval

Select the idle duration before the device shuts down.

Auto-test Settings

Auto-test Mode

Select Soft button only or Physical button from the drop-down list to select toggle auto-test using the AUTOTEST or on-screen Auto-test button.



Physical Button

Soft button only

If **[Soft button only]** is selected, the physical AUTOTEST buttons will be disabled and Autotest can only be performed using the soft button on the screen.

If **[Physical button]** is selected, select

- **[Active when FE connected]** to enable Autotest to take place when a far-end connection is detected.
- **[Active all the time]** to enable Autotest to take place when a far-end connection is not detected.

Flash Light Setting

Select brightness intensity of the built-in flash light.



Flash Light Settings

Flash light must be switched off and on again from the slide-down menu for the setting to take effect.

Talkset Setting

Select how the devices will communicate when a talkset is connected. A call can be initiated or ended from either ends.



Talkset mode > Device Under Test

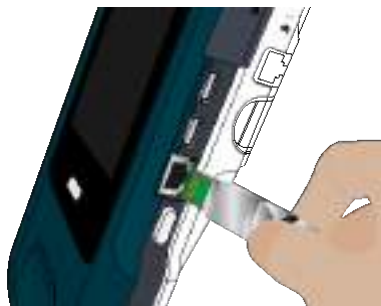
Talkset mode > Ethernet

If **[DUT]** is selected,

- Establish an end-to-end link between the LOCAL and REMOTE units.
- Tap the  icon on the status bar to communicate using the talkset.
- A direct connection between the LOCAL and REMOTE units is required to enable communication in this mode. Communication will stop until a connection is established again.

If **[ETH]** is selected,

- Establish an end-to-end link between the LOCAL and REMOTE units.
- Connect a cable that is connected to an active network to the RJ45 communication port at the side of the LOCAL unit's mainframe.
- Connect another cable that is connected to the same network to the RJ45 communication port of the REMOTE unit's mainframe.



- Tap the  icon on the status bar to communicate using the talkset.
- A direction connection between the LOCAL and REMOTE unit is not required as the units are connected to an active network. Communication can continue even when connection on the patch panel or outlet is terminated until the cable connected to the network is disconnected from the device.

To end a call, tap the  button on the status bar.

Audio Setting

Adjust volume for **[Speaker]** and **[Headset]** by sliding the slider bar.



Audio Settings

Notification Alerts

If enabled, the device will produce notification tones for critical actions.

Others

Restore Factory Settings

Select option to restore all settings to factory defaults.



Others > Restore Factory Settings



CAUTION

Selection of option may cause all or partial of saved data and/or settings in the device to be erased or restored to non-reversible original factory state. Backing up of saved result(s) is recommended before executing option.

Device Info

The Device Info display the system information such as serial numbers, version numbers, calibration dates and etc.



Others > Device Info

Device's Approvals

Calibration date

WireXpert MP has a calibration cycle of 12 months. Calibration does not deteriorate during storage prior to putting the device in active use for a 6-months period. The calibration cycle of the device can be considered to start on the date the device was turned on for the first time within that 6-months period. First re-calibration will become due 12 months from that date onwards or less when turned on after that 6-months period.

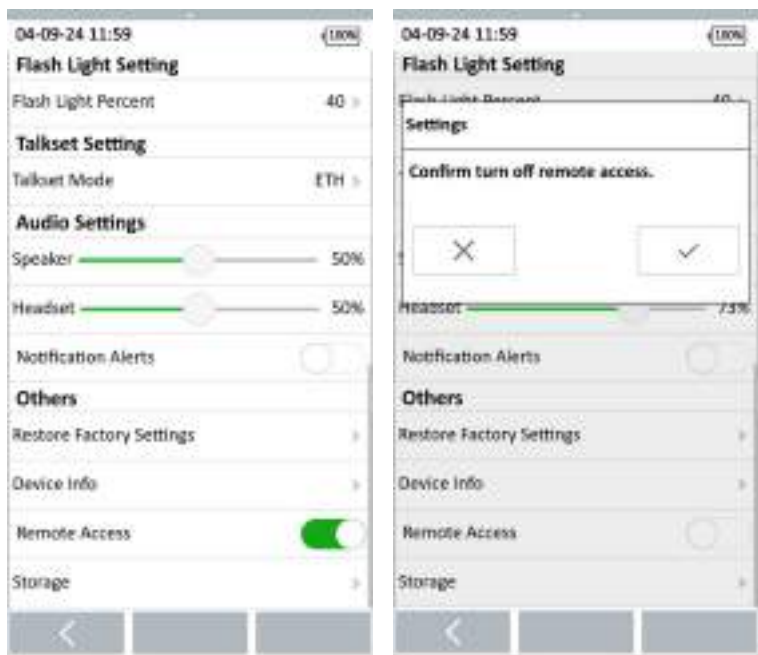
Last calibrated date refers to the date it was calibrated in the factory.

Calibration due date refers to the date 12 months after the device that was turned on for the first time.

Remote Access

If enabled, device will be able to be controlled by a workstation remotely via VNC. Device and workstation must be connected to the same active network.

To terminate the remote connection, go to **System Settings** → **Remote Access** on the VNC and disable the option.



Others > Remote Access

Storage

Select option to view available storage space on the device.



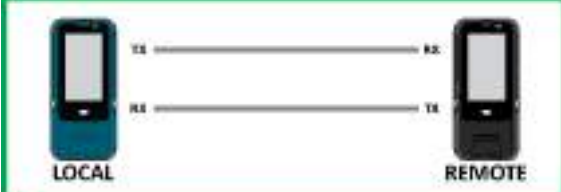
Others > Storage

To view storage of USB device, tap the USB icon  on the status bar and select **[Open]**.

3.3 Fiber Connection Status

The Fiber Connection Status reports the connection status instantaneously upon connection between a TX (transmit) port and RX (receive) port is established. This communication can be between a LOCAL and REMOTE or loopback configuration on a LOCAL unit.

The Fiber Connection Status reports the the following connection status:

 1. No Test Module is attached to the Mainframe.	
 2. Fiber Optic Test Module is attached to the Mainframe. Single-ended and Uni-directional test selected. No connection detected.	 3. Fiber Optic Test Module is attached to the Mainframe. Dual-ended and Uni-directional test selected. No connection detected.
 4. Fiber Optic Test Module is attached to the Mainframe. Single-ended and Uni-directional test selected. LOCAL TX is connected to LOCAL RX. Loopback is detected.	 5. Fiber Optic Test Module is attached to the Mainframe. Dual-ended and Uni-directional test selected. LOCAL TX is connected to REMOTE RX. REMOTE TX is connected to LOCAL RX.
 6. Fiber Optic Test Module is attached to the Mainframe. Single-ended and Bi-directional test selected. LOCAL TX is connected to LOCAL RX. Loopback is detected.	 7. Fiber Optic Test Module is attached to the Mainframe. Dual-ended and Bi-directional test selected. LOCAL TX is connected to REMOTE RX. REMOTE TX is connected to LOCAL RX.

3.4 Project, Site & Data

The **[Project, Site & Data]** consolidates all project oriented configurations and information into one profile. This allows users to quickly locate and manage test sites and results.



- 1. Project
- 2. Site
- 3. Link information
- 4. Data

3.4.1 Project

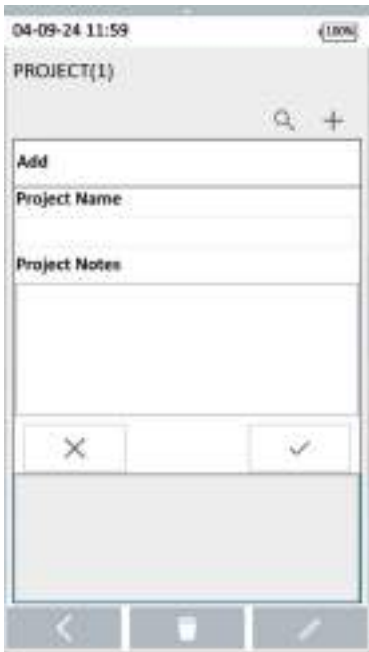
[Project] expands the possibility to manage test results of multiple sites as one consolidated collaboration. Configurations made in the Test Settings can be saved recalled when the Project is loaded. The number in the bracket indicates the total number of created Projects.



- 1. Project(s) count
- 2. [Search] and [Add] buttons
- 3. Project(s) list

	6. Footer options
--	-------------------

To add a Project, from the **[Home]** screen



1. Select **Project, Site & Data** → **Project**
2. Tap **[Add]** +.
3. Enter a **Project Name**. Project name is a required field. New sites will be saved in the selected Project.
4. Enter **Project Notes**. Project notes is an optional field, but they provide additional information to the project.
5. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.

By default, the system creates a “Unspecified” project for default saving if new projects are not created.

To find a Project,



1. Tap **[Search]** .
2. Enter the characters to search.
3. Tap **[Okay]**  to confirm, or **[Cancel]**  to exit.

To edit a Project,



1. Select project to be edited.
2. Tap **[Edit]** .

3. Tap **Project Notes** to edit.
4. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.



Note

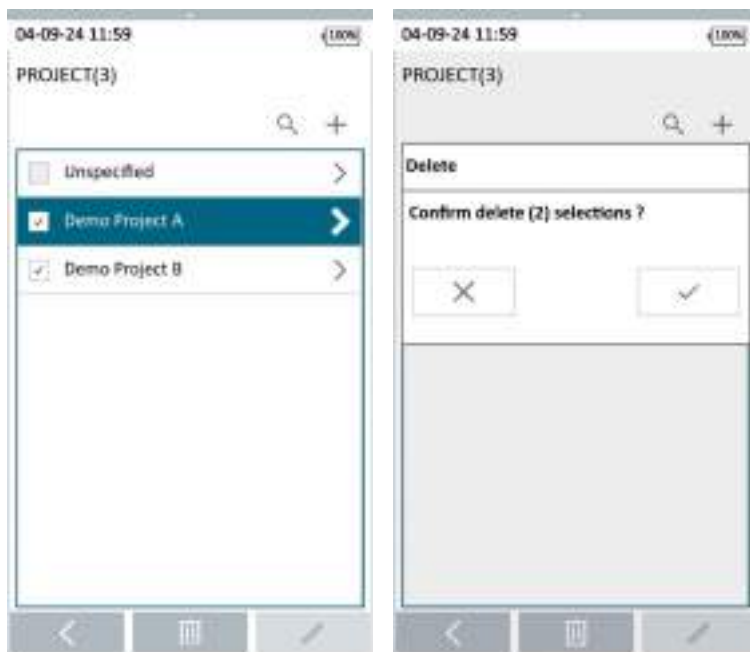
Project Names can only be edited from the PC software. Refer to User Manual for eXport PC software for more information.

To delete a Project,



1. Select project to be deleted.
2. Tap **[Delete]** 🗑️.
3. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.

To delete multiple Projects,



1. Tap and hold on a project to toggle multiple selections.
2. Select projects to be deleted by selecting the check-boxes.
3. Tap **[Delete]** .
4. Tap **[Okay]**  to confirm, or **[Cancel]**  to exit.



Note

Site(s) and Data stored in the selected Project will also be deleted.

Deleted Project(s) can be restored from **Tools** → **Trash**.

3.4.2 Site

[Site] displays information of the selected Project. The number in the bracket indicates the total number of created Sites.



To add a Site, from the **[Home]** screen



1. Select **Project, Site & Data** → **Site**
2. Tap **[Add]** +.

3. Select **Label Source**. See [Label Source](#) ⁵⁵ for more information.
4. Enter a **Site Name**. Site name is a required field. Test results will be saved in the selected Site.
5. Enter a **Site Address**. Site name is is optional field, but they provide additional information to the site.
6. Enter **Site Notes**. Site notes is an optional field, but they provide additional information to the project.
7. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.

By default, the system creates a “Unspecified” site for default saving if new sites are not created.

To find a Site,



1. Tap **[Search]** 🔍.
2. Enter the characters to search.
3. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.

To edit a Site,



1. Select site to be edited.
2. Tap **[Edit]** .
3. Tap **Site Address** and **Site Notes** to edit.
4. Tap **[Okay]**  to confirm, or **[Cancel]**  to exit.



Note

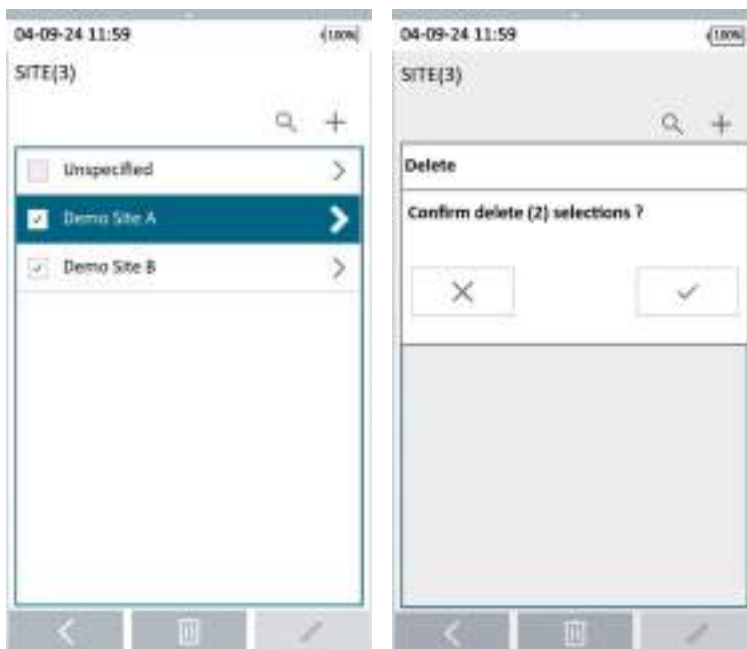
Site Names can only be edited from the PC software. Refer to User Manual for eXport PC software for more information.

To delete a Site,



1. Select site to be deleted.
2. Tap **[Delete]** .
3. Tap **[Okay]**  to confirm, or **[Cancel]**  to exit.

To delete multiple Sites,



1. Tap and hold on a site to toggle multiple selections.
2. Select sites to be deleted by selecting the check-boxes.
3. Tap **[Delete]** .

4. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.



Note

Data stored in the selected Site will also be deleted.

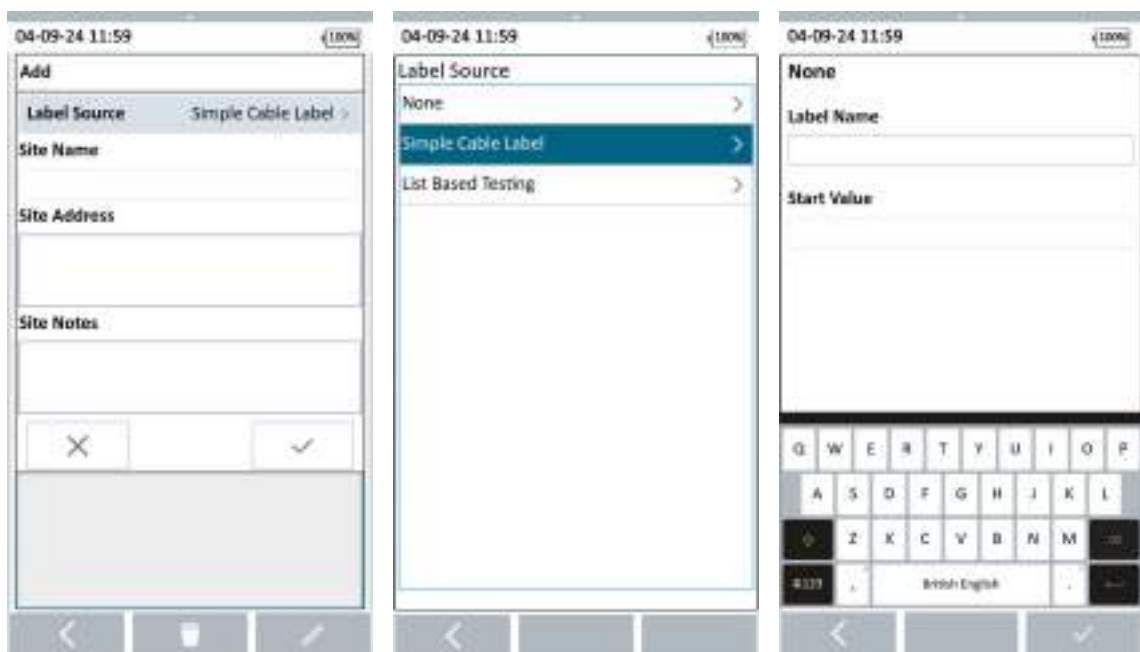
Deleted Site(s) can be restored from **Tools** → **Trash**.

3.4.2.1 Label Source

None

Manual input of label names is required for every saving of result. Autosave will be disabled.

Simple Label



Provides simple numeric increments to a prefix. To configure the simple label scheme:

1. Select **Project, Site & Data** → **Site**

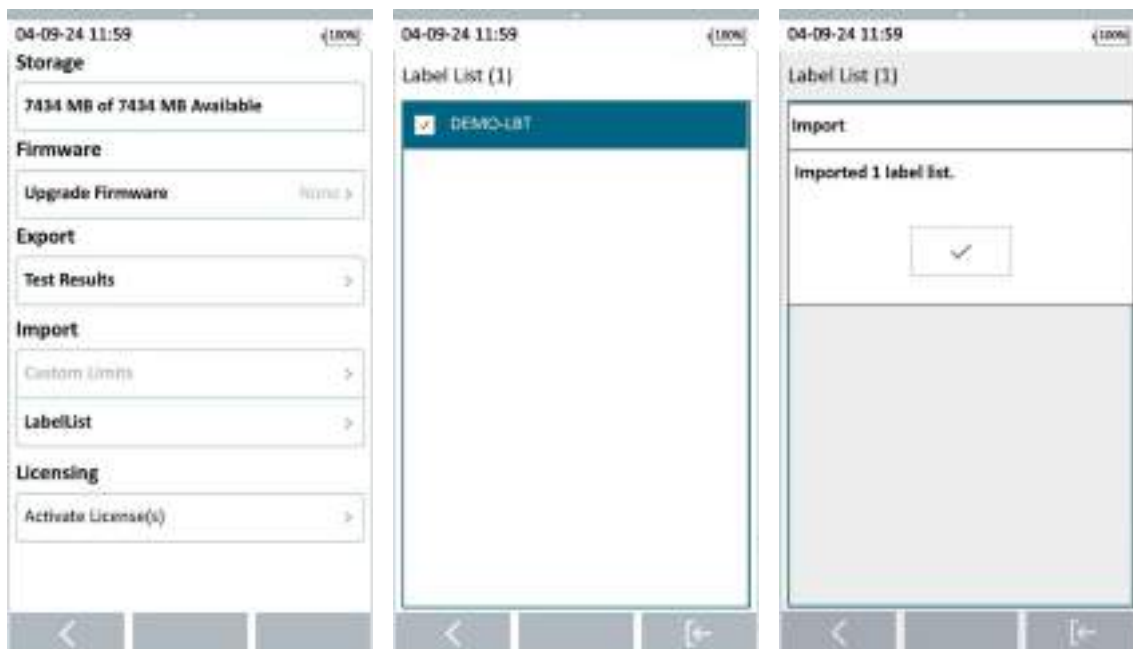
1. Select an existing site or **[Add]** + a new site.
2. Select **[Label Source]** → **Simple Cable Label**.
3. Label Name - Enter desired Prefix (e.g. Office, Company X) for every label.
4. Start Value - Set a numeric start value (e.g. 1, 33, 245) for incremental counts.
5. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.

List Based Testing

List-based testing enables users to create a label list in the eXport software on a PC and transfer it to WireXpert MP . This feature streamlines the selection process, allowing technicians to quickly

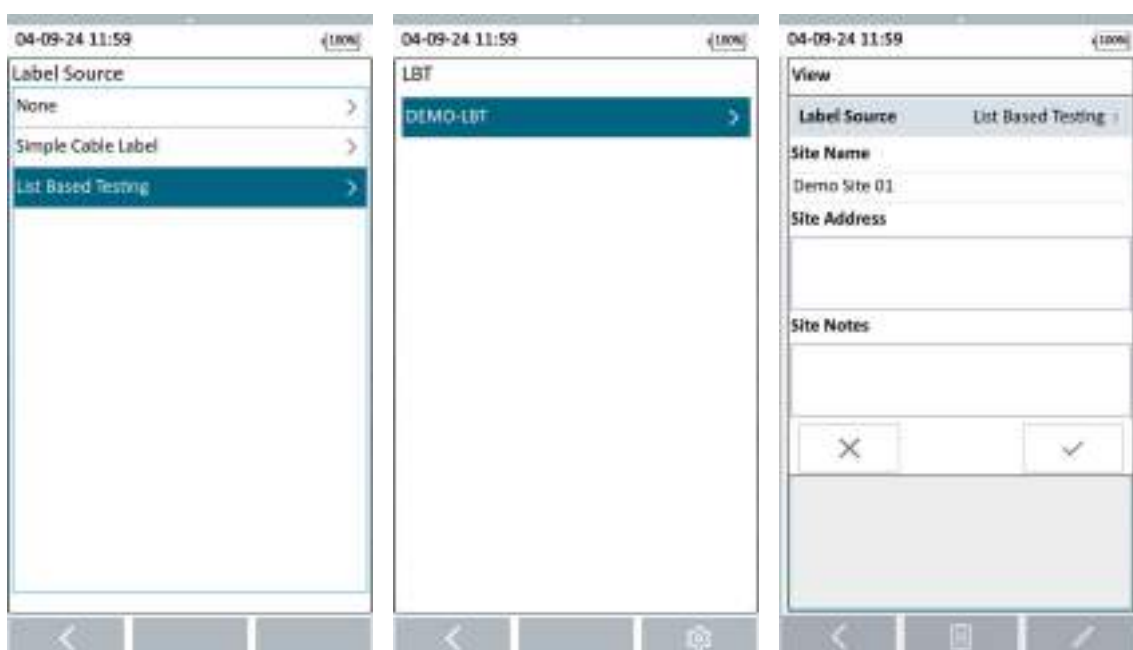
identify cables for testing. Optimized for typical testing workflows, it enhances efficiency and significantly boosts productivity.

1. Insert USB flash drive to USB port on WireXpert MP.
2. Device will automatically detect USB flash drive.



3. Select Import **[Label List]**.
4. Select the custom label list(s) to be copied from the USB flash drive and tap the **[Import]** [←] button to proceed.
5. Tap **[Okay]** ✓ to confirm

6. On the home screen, select **Project, Site & Data → Site**



7. Add or select a **Site** → **Label Source** → **List Based Testing**
8. Select label source file.
9. Tap the **[Okay]** button to continue.

Free-form

Free Form provides simple numeric increments to 2 or more prefix.
The default start “A-1” and end “B-5” labels will generate labels “A1 to A5 and B1 to B5”.



3.4.3 Link Information

Link Information displays the current and next cable label based on the label source selected.

Current link indicates the cable label of the last saved result.

Next link indicates the cable label if Simple Cable Label label source is selected.

Current and next link will not be indicated if List Based Testing label source is selected.

3.4.4 Data

[Data] provides archive and data management ability to saved test results. Data displays results of the select Site. The number in the bracket indicates the total number of saved results. If list-based testing is selected, the total number of labels generated will be indicated. The total number of passed and failed tests is also indicated.



1. Result(s) count

2. Pass/Fail result(s) count, **[Search]** and **[Menu]** buttons

3. Test result(s) list

Understanding the result		
Test	Cable Label	
status	Cable Type	Test date & time

4. Footer options

To sort Data,

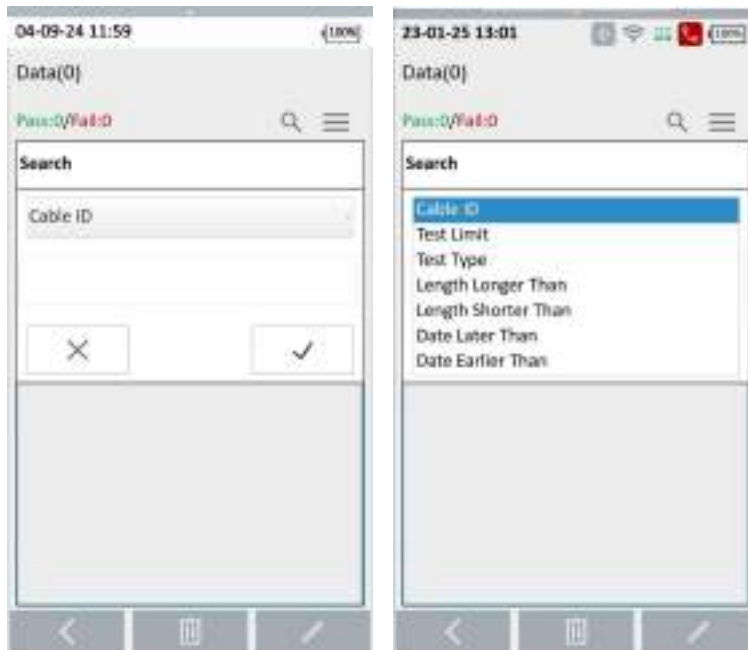


1. Tap **[Menu]** .
2. Select

a. **Sort by Cable Label** to arrange data in ascending or descending alphabetical order.

- b. **Sort by Date Time** to arrange data in ascending or descending data creation order.
- c. **Sort by Test Status** to arrange data in ascending or descending test PASS/FAIL order.

To find a saved Data,



1. Tap **[Search]** .
2. Select
 - a. **Cable ID** to search by the saved cable ID.
 - b. **Test Limit** to search by the test limit used for the test, e.g., channel or permanent link.
 - c. **Test Type** to search by the tested media, e.g., copper or fiber.
 - d. **Length longer than** to search by the minimum length.
 - e. **Length shorter than** to search by the maximum length.
 - f. **Data later than** to search by earliest data creation date.
 - g. **Data earlier than** to search by latest data creation date.

To rename a Data file,



1. Select data file to be renamed.
2. Tap **[Edit]** .
3. Tap **Label** to edit.
4. Tap **[Okay]**  to confirm, or **[Cancel]**  to exit.

To delete a Data,



1. Select data to be deleted.
2. Tap **[Delete]** .

3. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.

To delete multiple Data,



1. Tap and hold on a data to toggle multiple selections.
2. Select data to be deleted by selecting the check-boxes.
3. Tap **[Delete]** .
4. Tap **[Okay]** ✓ to confirm, or **[Cancel]** ✕ to exit.



Note
Deleted Data can be restored from **Tools** → **Trash**.

3.5 Test Settings

[Test Settings] provides results-oriented configurations necessary to perform an AUTOTEST.

Test Limits

Choose from a list of test limits to determine the performance criteria under the selected Standard. Three of the most commonly used limits will be listed in the “Recent Limit” list.

All fiber certification test are measured against the Standard Limits.

Selecting Link Validation, Ethernet Standard and Fiber Channel in Network Limits are additional test limits on top of the Standard Limits.

01-08-25 3:05

Test Settings

Test Limit

TIA-568.3 TSP

Reference

1-jumper, Dual-ended

OLT Method

Uni-directional

Cable

Cable: OS2

Manufacturer

Generic SMF

Refractive Index

1.493

Test Options

Auto Save

01-08-25 3:05

Recent Limit

Limit Standards

Standard Limits

Network Limits

Length Limit

2000

Custom Limit

Test Settings

Test Limits

Standard Limits

After selecting a limit standard, enter the number of connectors and splices in the link. The associated loss values (per connector, per splice, and cable attenuation) are defined by the chosen standard. Tap **[Okay]** to save inputs and proceed, or **[Back]** to return to the previous menu without saving.

01-08-25 3:05

Limit Standard

GB

ISO

TIA

DIN

01-08-25 3:05

ISO/IEC 11801 Fiber Link

No. Of Connectors

0

Loss Per Connector (dB)

0.75

No. Of Splices

0

Loss Per Splice (dB)

0.3

Cable Loss (1310 nm)

1 dB/km

Cable Loss (1550 nm)

1 dB/km

01-08-25 3:05

ISO/IEC 11801 Fiber Link

No. Of Connectors

0

Loss Per Connector (dB)

0.75

No. Of Splices

0

Loss Per Splice (dB)

0.3

Cable Loss (1310 nm)

1 dB/km

Cable Loss (1550 nm)

1 dB/km

7

8

9

4

5

6

1

2

3

0

-

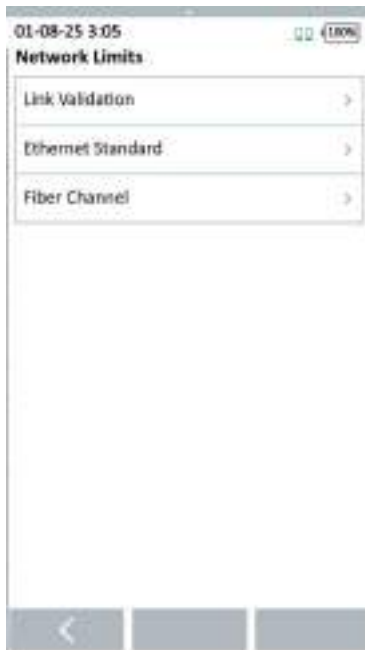
Standard Limits

ISO > ISO/IEC 11801 Fiber Link

Network Limits

Select **[Network Limits]** option when certification must verify the fiber link for a specific network application or to perform additional link verification. These tests are optional and provide

application-specific or supplementary verification without affecting standard fiber certification results



Network Limits



Link Validation



Ethernet Standard



Fiber Channel

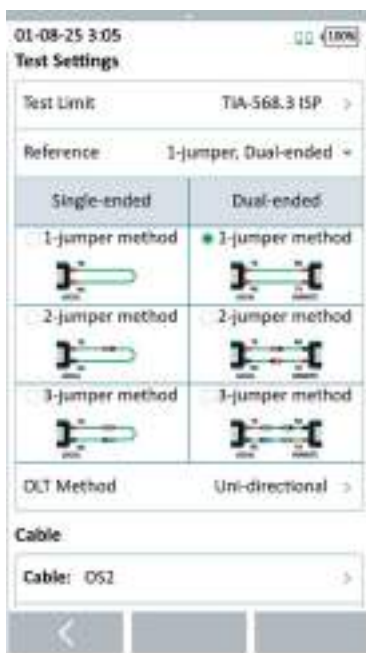
- Link Validation - Select the **[Link Validation]** option when certification must verify that the installed fiber link is continuous and correctly connected. A maximum allowable loss value must be entered, and the test fails if the measured loss exceeds this value. This ensures the link is physically validated and ready for further testing or deployment.
- Ethernet Standard - Select the **[Ethernet Standard]** option when certification must verify not only compliance with standard fiber limits, but also confirm that the link meets the specific

requirements defined for the chosen Ethernet application, such as 10GBASE-LR or 10GBASE-ER. This ensures the cabling is certified for both general use and application-specific performance.

- **Fiber Channel** - Select the **[Fiber Channel]** option when certification must verify not only compliance with standard fiber limits, but also confirm that the link meets the stricter requirements defined for Fibre Channel applications, such as those used in storage area networks. This ensures the cabling is certified for both general use and application-specific performance.

OLT (Optical Loss Test) Method

Uni-directional testing measures the fiber link in one direction only, offering a quick and simple way to check connectivity. However, it may underestimate total link loss because variations in connectors and splices at each end are not accounted for, and it is not suitable for formal certification. Bi-directional testing measures the link in both directions and averages the results, providing a more accurate measurement of total loss and accounting for asymmetries in connectors and splices. While it takes longer and requires access to both ends of the fiber, bi-directional testing is required for standards-compliant certification.



OLT Method

Uni-direction measures the optical link in one direction only, from the local tester to the remote end.

Measurements: Insertion loss and other metrics are recorded in a single direction.

Use Cases: Quick checks, simple installations, or when only one direction is critical.

Limitations: May underestimate actual link loss because differences in connector and splice losses at each end aren't averaged; not suitable for formal certification.

Benefits: Fast and simple to perform; useful for troubleshooting or preliminary link verification.

Uni-direction measures the optical link in both directions (local → remote and remote → local) and averages the results.

Measurements: Insertion loss, return loss, and other metrics are recorded in both directions, then averaged.

Use Cases: Formal certification, high-accuracy testing, or installations where total link performance must be verified.

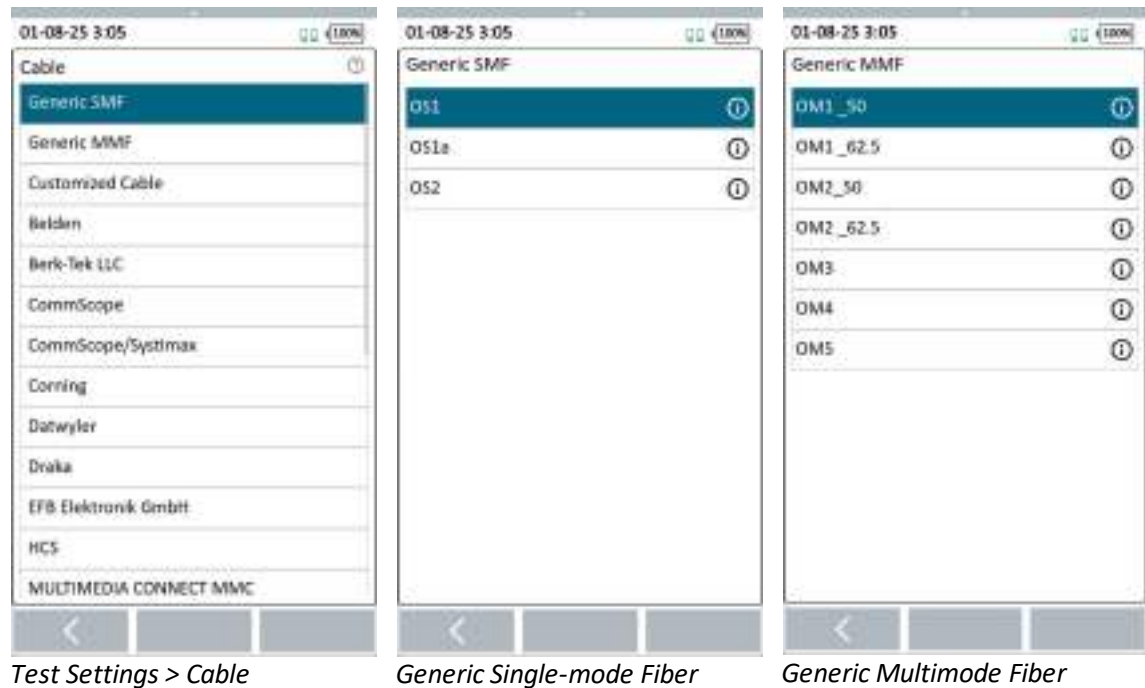
Limitations: Takes longer than uni-directional testing; requires access to both ends of the fiber.

Benefits: Provides a more accurate measurement of total link loss; accounts for asymmetries in connectors and splices; required for standards-compliant certification.

Cable

Cable

Cable type selection determines whether the Quad module performs a Single-mode or Multimode test.



Choose from a list of cable manufacturer for more specific test parameters. If unsure of manufacturer, choose **[Generic SMF]** or **[Generic MMF]**, or **[Customized Cable]** to create custom cable.

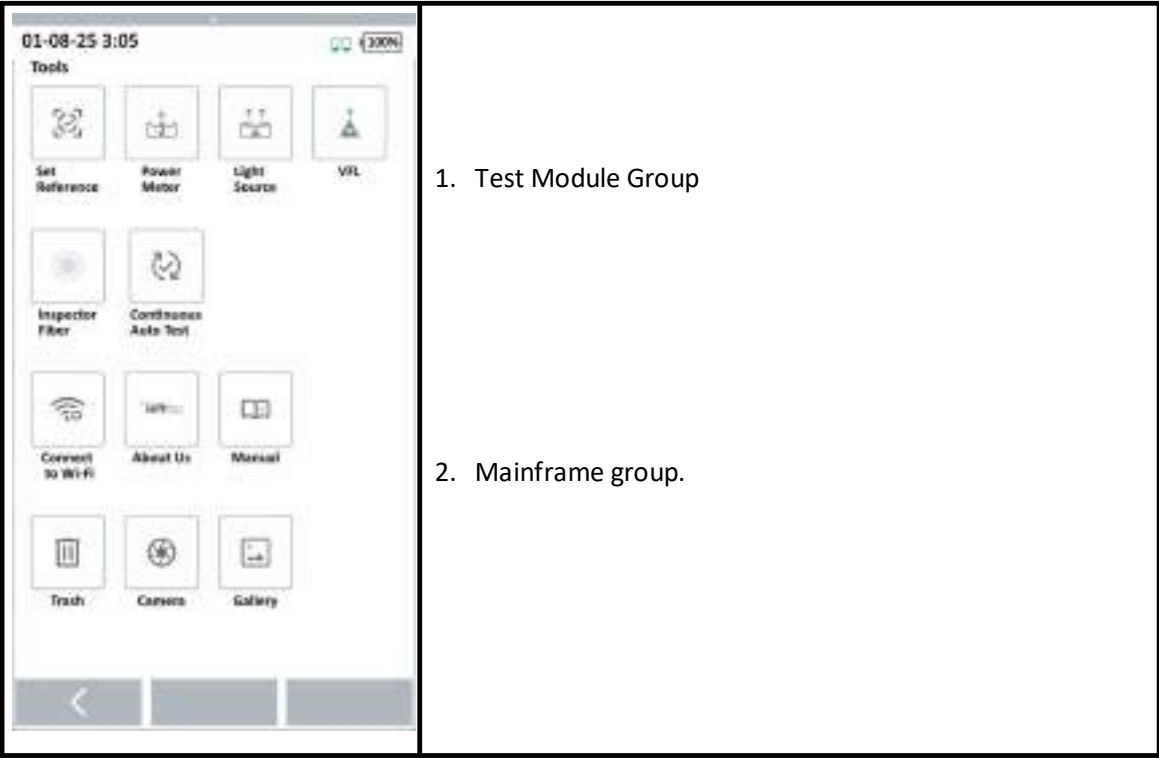
Refractive Index

The refractive index determines the speed light is travelling in the fiber optic. The value is determined by the fiber cable selected

3.6 Tools

Depending if a Test Module is attached to the Mainframe, the **[Tools]** screen will display different options.

[Tools] is divided into two groups.



Test Module group

The **Test Module group** provides options and applications that is dependent on the Test Module that is attached to the Mainframe, and the Test Adapter on the Test Module. Depending on the function, some options may only be available on the LOCAL unit.



Set Reference

The device will perform loss compensation through calculation from setting of referencing point. Refer to [Setting Reference](#) ⁷³ for more information.

Requires: LOCAL and/or REMOTE



Power Meter

The Power Meter feature measures the absolute optical power transmitted from a light source and displays the value in dBm or μW . All fiber optic test modules support measurement at 850 nm, 1300 nm, 1310 nm, and 1550 nm.

This feature can be used with the REMOTE unit when its light source is enabled, or with an external light source at the stipulated wavelengths. When enabled, the laser warning symbol  will blink to indicate the presence of an incoming laser. Tap **[Set Reference]**  to use the current reading as the reference value for subsequent tests; this reference remains active until the screen is exited. The Power Meter function is automatically disabled once the screen is closed.

Requires: LOCAL only



Power Meter is disabled.



Power Meter is enabled.
Connect to the RX port in the middle as indicated on the screen.



Reference value is saved.



Light Source

The Light Source feature, when enabled, transmits optical signals at wavelengths supported by the module mounted on the mainframe. A Single-mode module can transmit at 1310 nm and 1550 nm, a Multimode module can transmit at 850 nm and 1300 nm, and a Quad module supports both single-mode and multimode wavelengths. A single-mode module supports continuous, pulsed, or reduced-power modes, while a Multimode module supports continuous and pulsed modes only. A reduced-power light source can be selected when safety precautions or sensitive measurement equipment require lower launch power. When enabled, the laser warning symbol  will blink to indicate the presence of an active optical signal. **Do not look into the TX port while the laser symbol is on.** The Light Source can be used with a WireXpert MP Local unit when enabled on the Remote unit, or with an external power meter as an independent light source.

Requires: LOCAL or REMOTE



Light Source is disabled.



Single-mode Light Source is enabled. Connect to the TX port on the left as indicated on the screen.



Multimode Light Source is enabled. Connect to the TX port on the right as indicated on the screen.



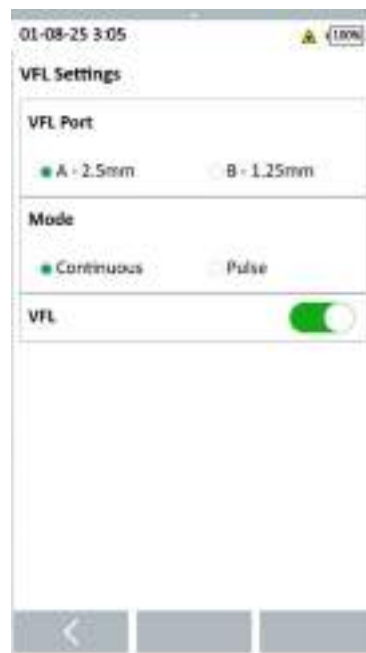
VFL

The Visual Fault Locator (VFL) feature, when enabled, emits a visible red laser to quickly verify fiber continuity and locate breaks, bends, or faults. All WireXpert MP Fiber Optic Test Modules are equipped with two built-in VFL ports: 2.5 mm (A) and 1.25 mm (B). The VFL is capable of transmitting continuous or pulsed light sources. When enabled, the laser warning symbol  will blink to indicate the presence of an active optical signal. **Do not look directly into the fiber output while the VFL is active.**

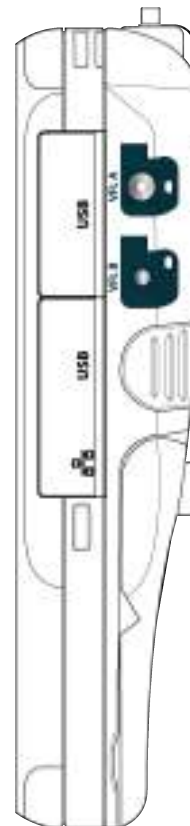
Requires: LOCAL or REMOTE



VFL is disabled.



VFL is enabled.



The VFL is located at the side of the Fiber Optic Test Module.



Fiber Inspector

The Inspect Fiber feature allows the user to inspect the endfaces of fiber connectors for dust, dirt, scratches, chips, or other contamination that could affect optical performance. This feature helps verify connector quality, ensures proper polishing, and supports preventive maintenance by identifying issues before testing or deployment. The Inspect Fiber feature can also be used to capture images of connector endfaces for documentation or reporting purposes, using an external scope probe.



Continuous Autotest

The device will perform Autotest automatically based on a preset interval.

Requires: LOCAL or REMOTE

Mainframe group

The **Mainframe group** provides options that is independent from any test modules. Optional add-ons may be required to access these options. They do not affect the general operation of the device.



Wi-Fi

If enabled from the [slide-down menu](#)²⁶, the device will scan for Wi-Fi access points (AP) and attempt connect to the selected AP.

Requires: LOCAL only

Requires: USB Wi-Fi dongle (230063)



About Us

Contact information of Softing offices worldwide.



Manual

Opens the User Manual.



Trash

The Trash bin stores deleted user created data, i.e., projects, sites, data, custom cables and connectors.

Select data and tap **[Delete]**  to permanently delete the data or **[Restore]**  to restore data to its original location.



CAUTION

Selected data will be permanently erased and cannot be recovered.



Camera

Opens the Camera application.

3.6.1 Camera

The WireXpert MP series has a built-in camera module at the top of the Mainframe to enhance the cable certification process.

Before performing an Autotest:



1. Launch the camera app from the **[Tools]** menu at the home screen by selecting **[More]** . . . → **[Camera]** .
2. In the Camera app, select the **[Camera]** option.
3. Aim and capture the image and tap the **[Capture]** button.
4. To view the image, select **[Gallery]** from the **[Tools]** menu.

After performing an Autotest:



1. Scroll to the bottom of the test result and select **[Add]** +.
2. Select image from list or tap **[Camera]** to capture image.
3. Ensure **[Camera]** is selected and tap the **[Capture]** button.
4. To edit file name of the image, select image and tap the **[Edit]** button.
5. To delete image, select image and tap the **[Delete]** button.
6. To delete multiple images, tap and hold on an image file.
7. Select image(s) and tap the **[Delete]** button to delete the selected file(s).
8. Select image and tap the **[Back]** button to return to the test results.
9. To replace image, tap the **[Update IMG]** button.
10. Tap the **[Save]** button to save result.



Note

Image cannot be added to a test result after exiting the test result screen.



Note

The feature will only support if the QR code contains text characters. Only the first 72 characters including delimiters will be saved as the cable label.

4 Using the Product

Configuration the device for an AUTOTEST

After configuring the system settings, follow these steps to set up an AUTOTEST.

1. Swipe downwards from the top of the screen to bring down the slide-down menu.
 - a. Under User Portal, login using the designated credentials.
2. From the Home screen, select [\[Project, Site & Data\]](#) 
3. Select [\[Project\]](#) 
 - a. Select or create a new [Project](#) 
 - b. Tap **[Back]** < to return to the previous screen
4. Select [\[Site\]](#) 
 - a. Select or create a new [Site](#) 
 - b. Select [\[Label Source\]](#) 
5. Press the [\[Home\]](#)   button to return to the Home screen
6. Select [\[Test Settings\]](#) 
 - a. Select **[Test Limits]**
 - b. Select **[Cable]**
 - c. Select **[Connector]**
7. Press the [\[Home\]](#)   button and select [\[Set Reference\]](#) .

4.1 Setting Reference

It is necessary to perform a set reference measurement if the LOCAL and REMOTE units are being paired for the first time. If there is a mismatch in firmware versions or a set reference has not been performed, AUTOTEST will be denied, until these conditions are corrected. Please also ensure that the calibration dates of the devices have not expired.



1. LOCAL & REMOTE Mainframe units
2. 2x Fiber Optic Test Modules (230506 or 230508 or 230507)
3. Test Reference Cords (As required)

Setting reference is required when:

1. Switching from testing single-mode to multimode, or vice-versa
2. Changing optical loss test method
 - a. From single-ended to dual-ended
 - b. From one type of reference method to another, e.g., from 1-jumper to 2-jumper
3. Changing of interchangeable adapter, e.g., from SC to LC

4. Swapping of test modules

Reference data of a successful set reference process will be saved and included in the AUTOTEST result.



Note

The diagrams and images in this user manual are for **illustration purposes only** and do not represent suggested test values. Reference and test values may vary depending on test conditions.

The examples shown use the FQ module, which has two TX ports. When facing the touchscreen, the ports from left to right are: **TX for single-mode**, **RX for both single-mode and multimode**, and **TX for multimode**.



Note

TRC Verification (Test Reference Cord Verification) is used to confirm that the test reference cords are in good condition before performing fiber certification.

When setting the reference, the tester establishes a baseline measurement using the reference cords. TRC verification checks the loss of the reference cords themselves to ensure they are clean, undamaged, and within acceptable limits. If the reference cords have excessive loss due to contamination, wear, or poor connectors, it can introduce measurement errors and affect all subsequent test results.

By performing TRC verification, the tester ensures that the reference cords are performing correctly, helping maintain accurate and reliable fiber loss measurements during certification.



Note

Fiber-AB: LOCAL TX (A) → REMOTE RX (B) (standard)

Fiber-BA: REMOTE TX (B) → LOCAL RX (A) (reverse)



Hint

Use reference cords provided in the cord kit. Connect the cords by following the color of the connectors as shown in each configuration.

Connect cords with red connectors to the TX port and black connectors to the RX ports of the adapters.



Hint

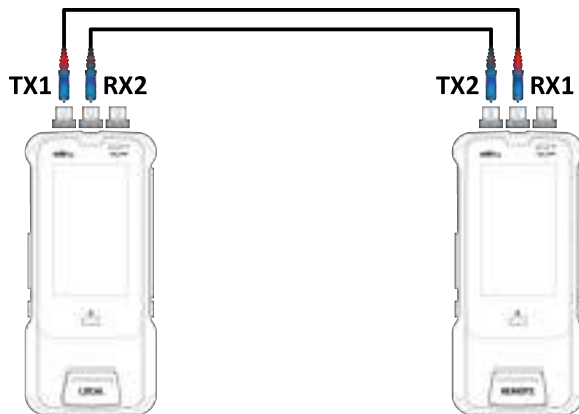
Set Reference will fail in the event of-

- Adapter probe mismatch
- Firmware version mismatch
- No connection between LOCAL and REMOTE units

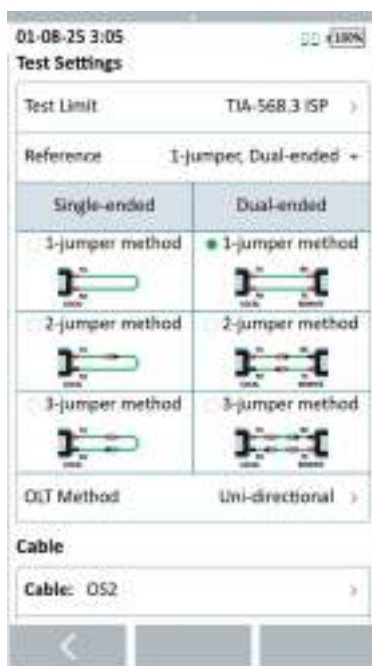
4.1.1 1 Jumper Dual-ended

1. Connect TX1 to the LOCAL TX port and RX1 to the REMOTE RX port.
2. Connect TX2 to the REMOTE TX port and RX2 to LOCAL RX port.

Please ensure the fiber cables are cleaned using the cleaning kit provided in the cord kit.

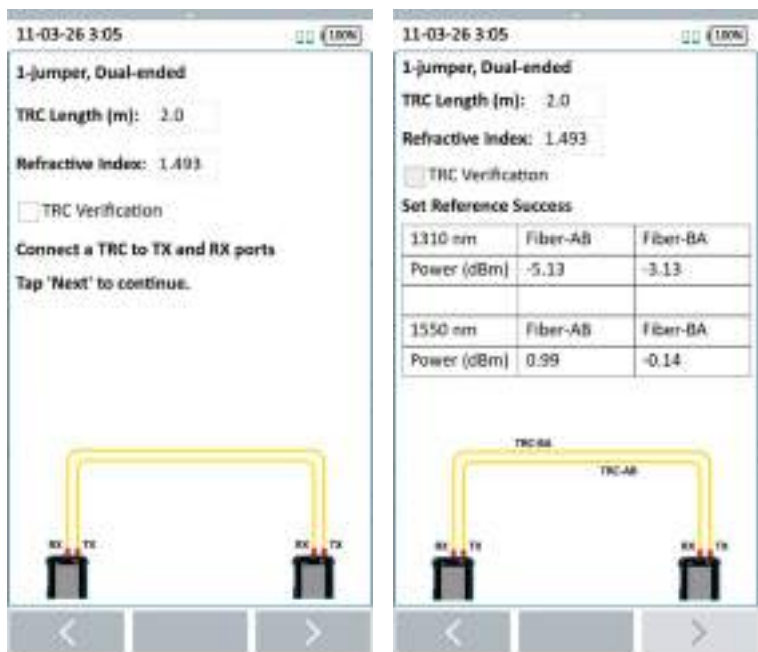


3. Select **[Test Settings]** from the Home screen



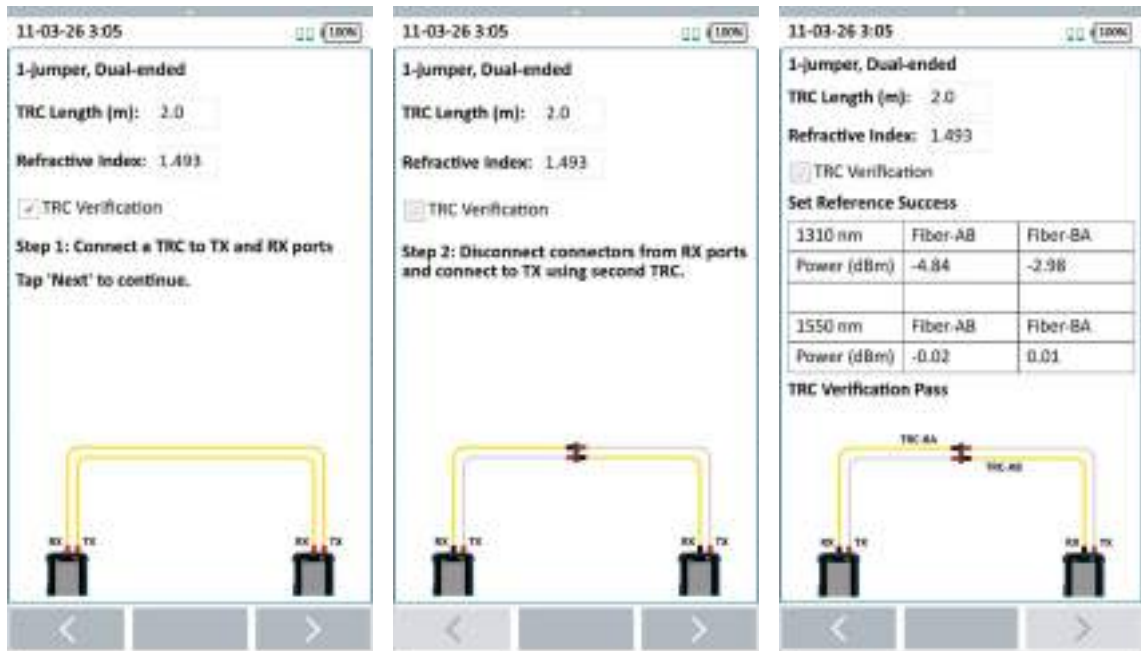
4. Select **[Reference]** → 1-Jumper method from Dual-ended column.

5. Press the **[Home]**  button
6. Select **[Set Reference]** from the Tools section



7. Tap to edit **TRC length** and **Refractive Index**.
8. Tap the **[Next]** button to proceed.
9. Check that the Set Reference result is between **-5.35 and 4 dBm for single-mode** and between **-25.35 and -15 dBm for multimode**.

Enable **[TRC Verification]** to perform verification test on the second set of test reference cords.



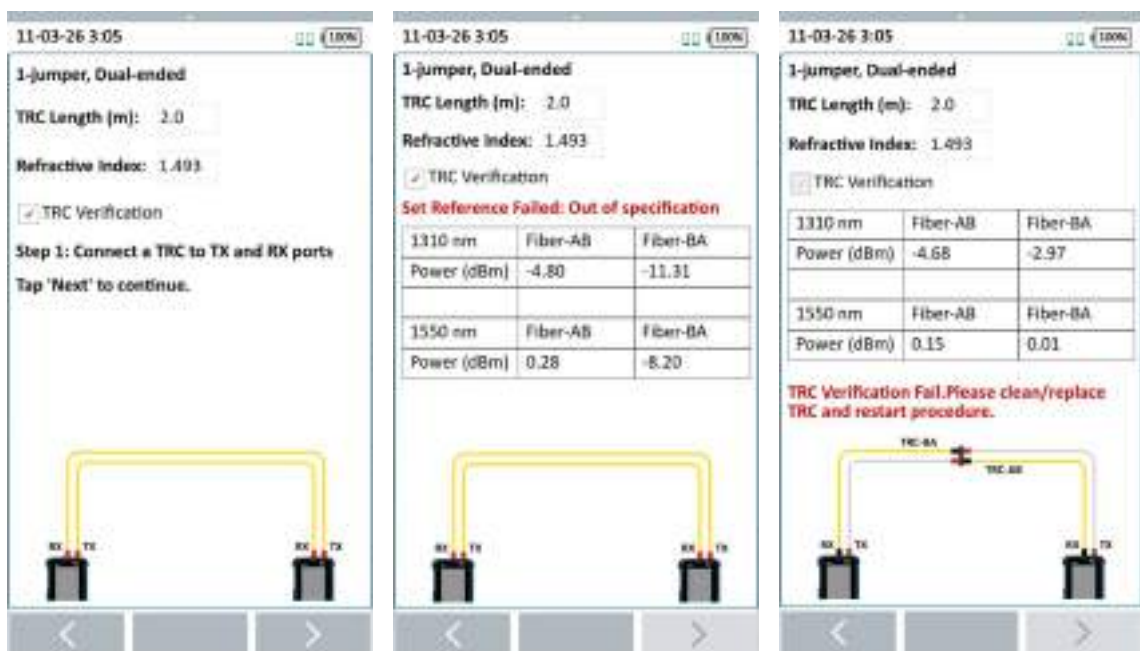
1. Tap to edit **TRC length** and **Refractive Index**.
2. Tap the **[Next]** button to proceed.
3. Keeping the cords (grey) on the **TX** ports connected to both ends of the device,
6. Check that the Set Reference result is between **-5.35 and 4 dBm for single-mode** and between **-25.35**

connect the other end of each cord to a coupler.

4. Connect another test reference cord (yellow) to the RX ports of both devices and the other end of the cord to the coupler.
5. Tap the **[Next]** button to proceed.

and -15 dBm for multimode.

Set Reference Failed

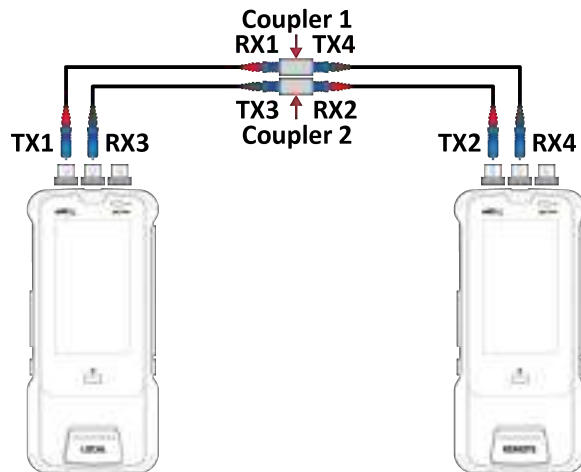


1. A test reference fails when the Set Reference result falls outside the acceptable range of **-5.35 to 4 dBm for single-mode** or **-25.35 to -15 dBm for multimode**.
2. A verification fails when excessive loss is detected in the TRC or when the entered TRC length does not match the actual length. Replace the TRC or enter the correct length, then repeat the test.

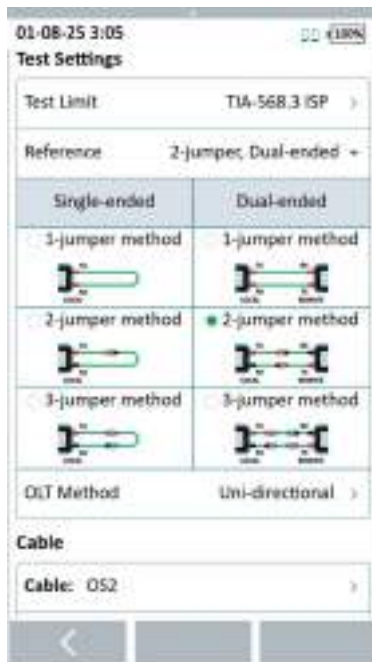
4.1.2 2 Jumpers Dual-ended

1. Connect TX1 to the LOCAL TX port and RX1 to coupler 1.
2. Connect RX3 to the LOCAL RX port and TX3 to coupler 2.
3. Connect TX2 to the REMOTE TX port and RX2 to coupler 2.
4. Connect RX4 to the REMOTE RX port and TX4 to coupler 1.

Please ensure the fiber cables are cleaned using the cleaning kit provided in the cord kit.



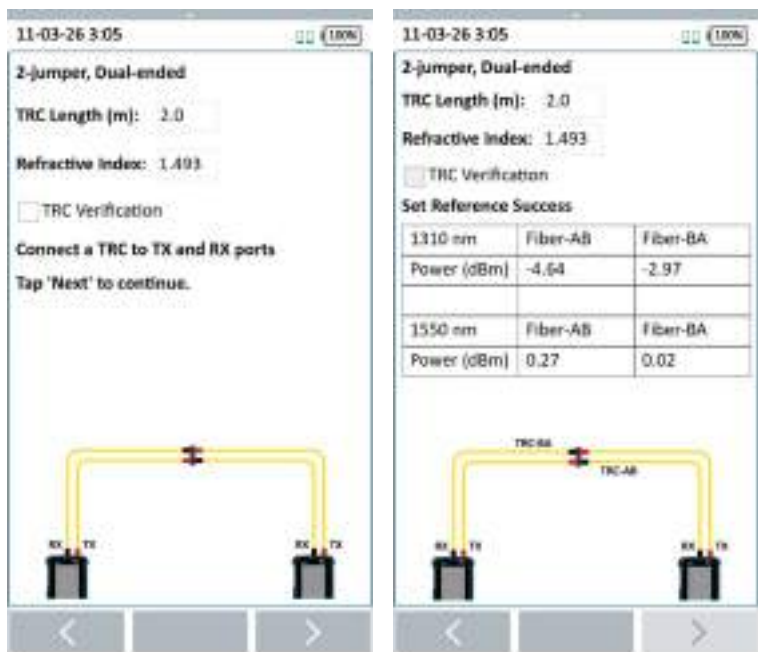
5. Select **[Test Settings]** from the Home screen



6. Select **[Reference]** → 2-Jumper method from Dual-ended column.

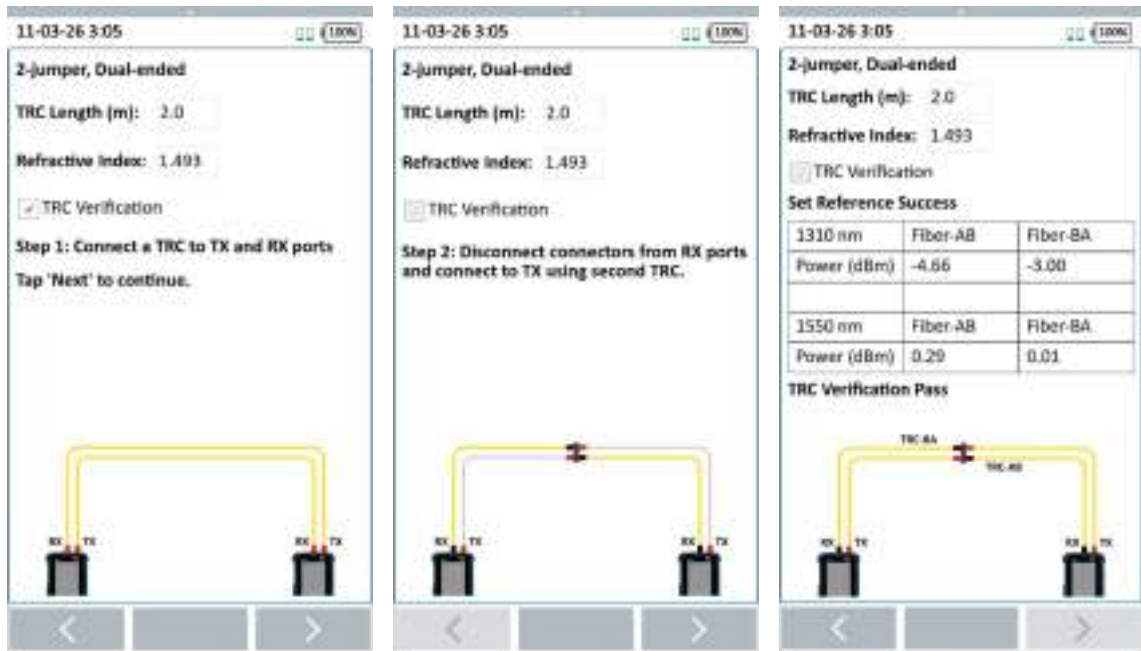
7. Press the **[Home]** button

8. Select **[Set Reference]** from the Tools section



9. Tap to edit **TRC length** and **Refractive Index**.
10. Tap the **[Next]** button to proceed.
11. Check that the Set Reference result is between **-6.1 and 4 dBm for single-mode** and between **-26.1 and -15 dBm for multimode**.

Enable **[TRC Verification]** to perform verification test on the second set of test reference cords.



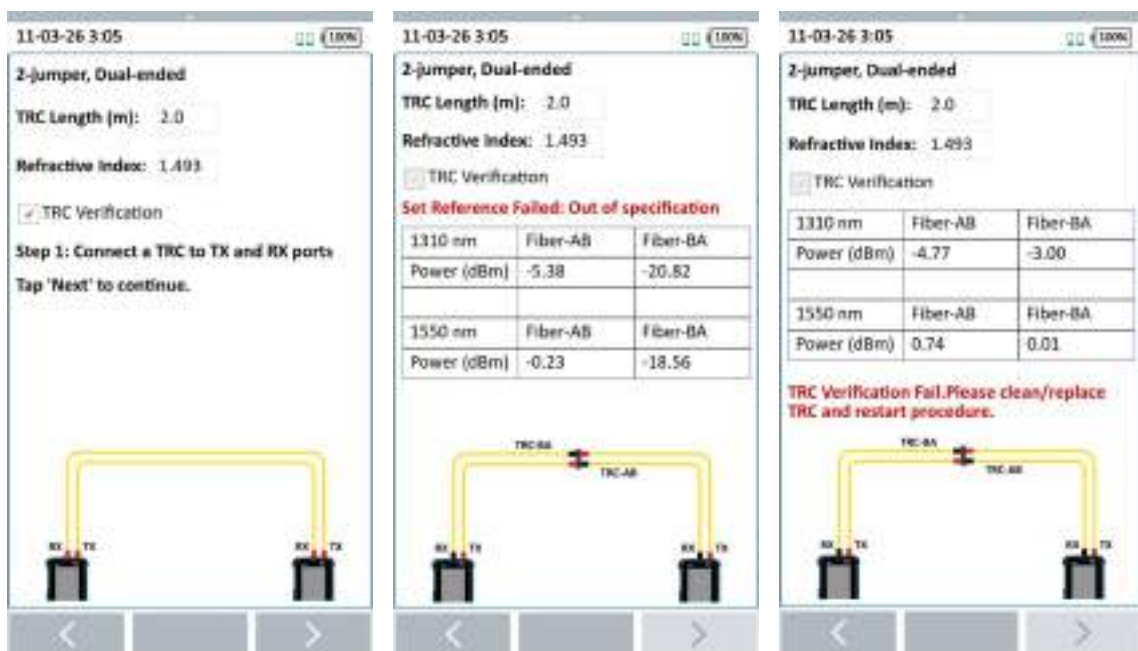
1. Tap to edit **TRC length** and **Refractive Index**.
2. Tap the **[Next]** button to proceed.
3. Keeping the cords (grey) on the **TX** ports connected to both ends of the device,
6. Check that the Set Reference result is between **-6.1 and 4 dBm for single-mode** and between **-26.1**

connect the other end of each cord to a coupler.

4. Connect another test reference cord (yellow) to the RX ports of both devices and the other end of the cord to the coupler.
5. Tap the **[Next]** button to proceed.

and -15 dBm for multimode.

Set Reference Failed



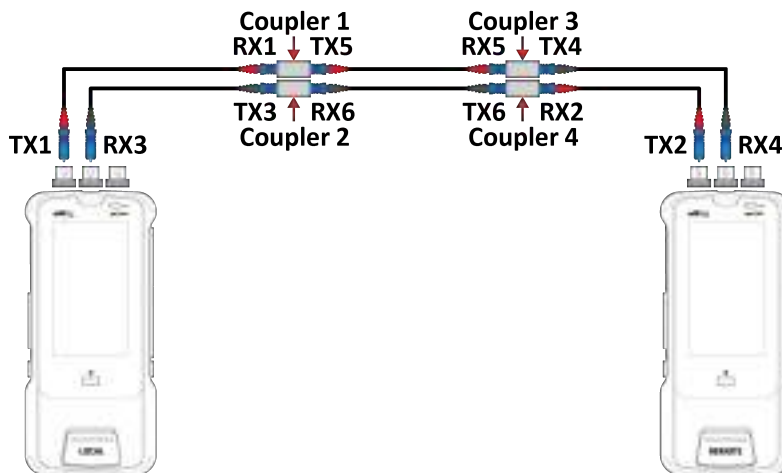
1. A test reference fails when the Set Reference result falls outside the acceptable range of **-6.1 and 4 dBm for single-mode** and **between -26.1 and -15 dBm for multimode**.
2. A verification fails when excessive loss is detected in the TRC or when the entered TRC length does not match the actual length. Replace the TRC or enter the correct length, then repeat the test.

4.1.3 3 Jumpers Dual-ended

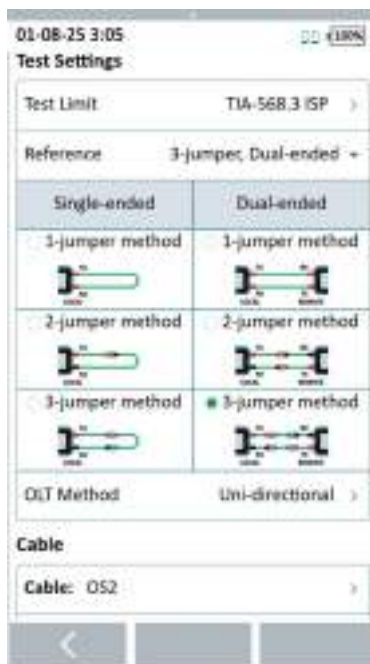
1. Connect TX1 to the LOCAL TX port and RX1 to coupler 1.
2. Connect RX3 to the LOCAL RX port and TX3 to coupler 2.
3. Connect TX2 to the REMOTE TX port and RX2 to coupler 4.
4. Connect RX4 to the REMOTE RX port and TX4 to coupler 3.
5. Connect one end of your jumper (TX5) to coupler 1 and the other end (RX5) to coupler 3.

6. Connect one end of the other jumper (TX6) to coupler 4 and the other end (RX6) to coupler 2.

Please ensure the fiber cables are cleaned using the cleaning kit provided in the cord kit.



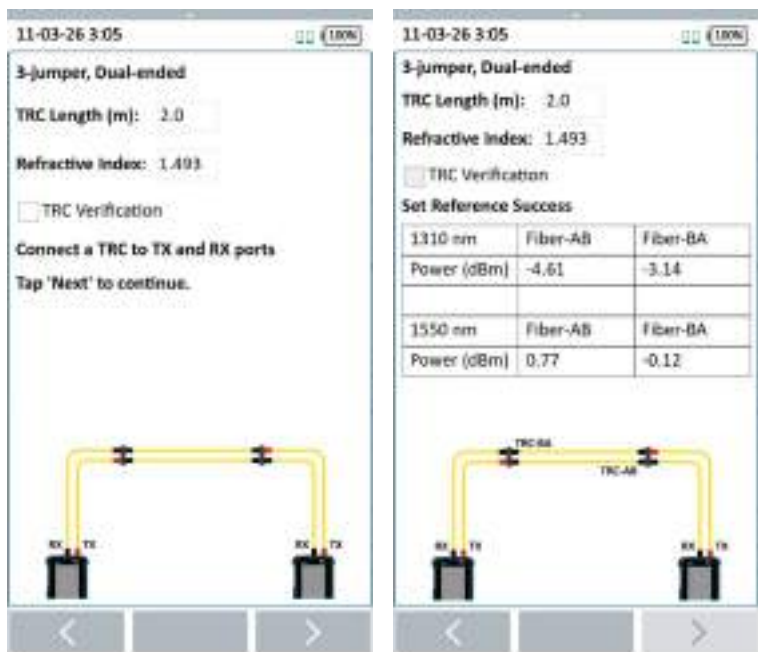
7. Select **[Test Settings]** from the Home screen



8. Select **[Reference]** → 3-Jumper method from Dual-ended column.

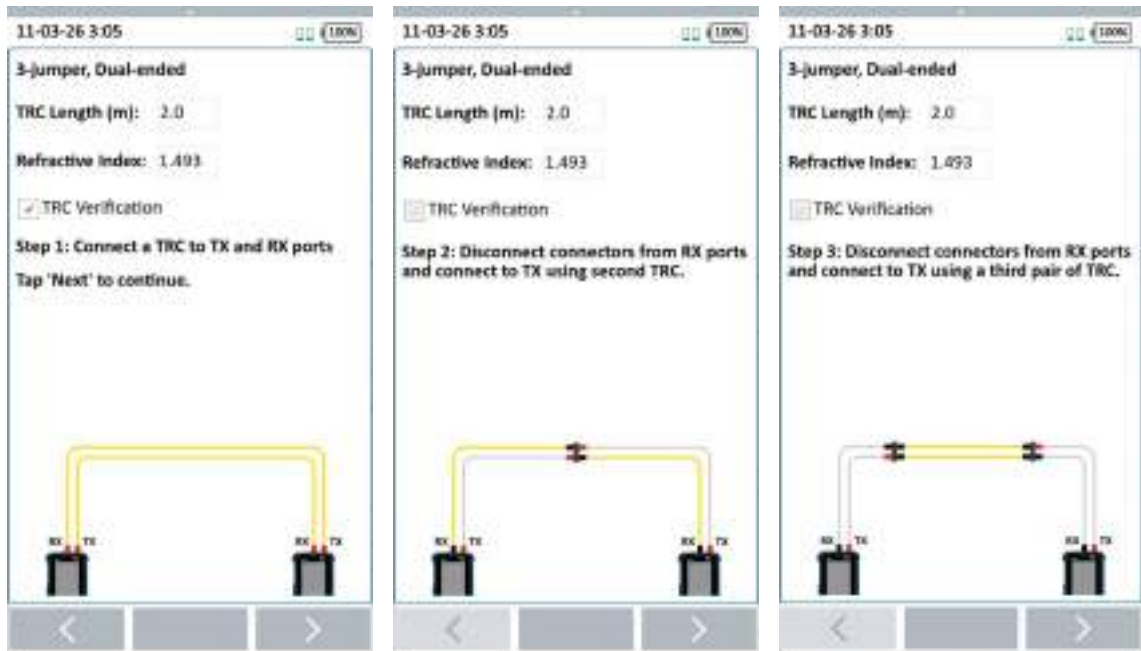
9. Press the **[Home]** button

10. Select **[Set Reference]** from the Tools section



11. Tap to edit **TRC length** and **Refractive Index**.
12. Tap the **[Next]** button to proceed.
13. Check that the Set Reference result is between **-6.85 and 4 dBm for single-mode** and between **-26.85 and -15 dBm for multimode**.

Enable **[TRC Verification]** to perform verification test on the second set of test reference cords.



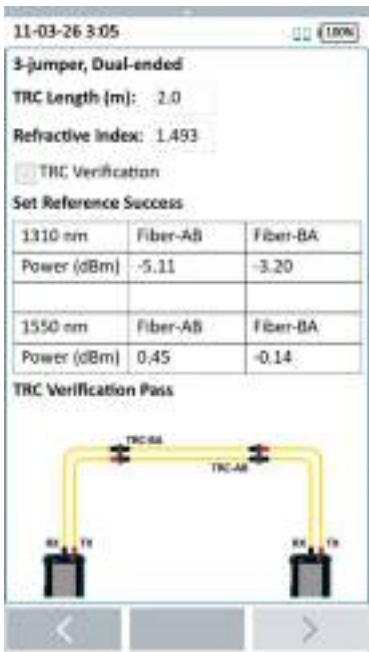
1. Tap to edit **TRC length** and **Refractive Index**.
2. Tap the **[Next]** button to proceed.
3. Keeping the cords (grey) on the **TX** ports connected to both ends of the device,
3. Keeping the cords (grey) on the **TX and RX** ports connected to both ends of the device, connect the

connect the other end of each cord to a coupler.

- 4. Connect another test reference cord (yellow) to the RX ports of both devices and the other end of the cord to the coupler.
- 5. Tap the [Next] button to proceed.

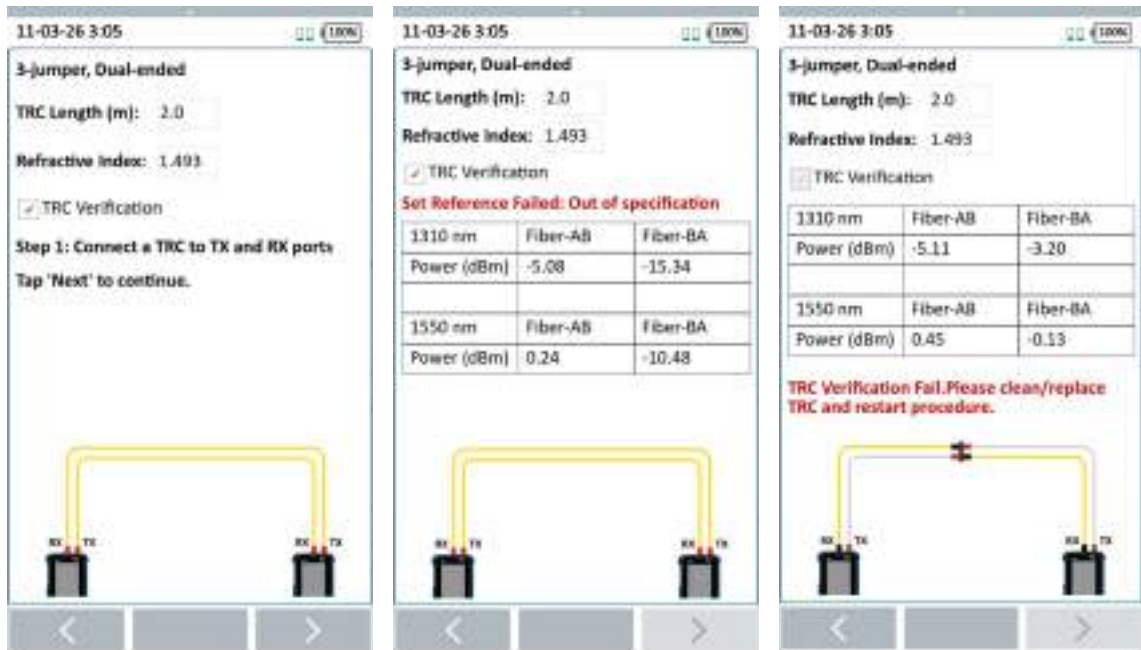
other end of each cord to a coupler.

- 4. Connect another pair of test reference cord (yellow) to the couplers bridging the connection between the LOCAL and REMOTE units.



- 8. Check that the Set Reference result is between **-6.85 and 4 dBm for single-mode** and between **-26.85 and -15 dBm for multimode**.

Set Reference Failed

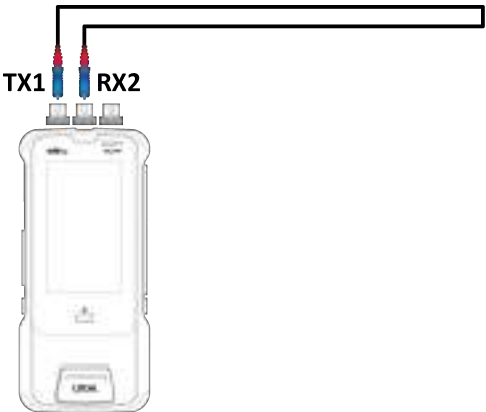


1. A test reference fails when the Set Reference result falls outside the acceptable range of **-6.85 and 4 dBm for single-mode** and **between -26.85 and -15 dBm for multimode**
2. A verification fails when excessive loss is detected in the TRC or when the entered TRC length does not match the actual length. Replace the TRC or enter the correct length, then repeat the test.

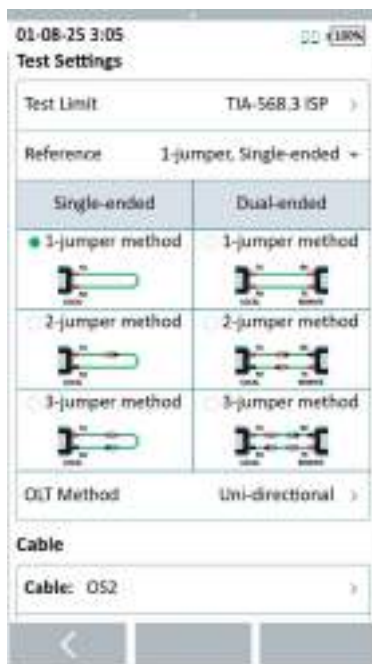
4.1.4 1 Jumper Single-ended Loopback

1. Connect the TX1 and RX1 ends of the reference cord to the TX port RX port of the adapter respectively.

Please ensure the fiber cables are cleaned using the cleaning kit provided in the cord kit.



2. Select [Test Settings] from the Home screen



3. Select **[Reference]** → 1-Jumper method from Single-ended column.

4. Press the **[Home]** button
5. Select **[Set Reference]** from the Tools section

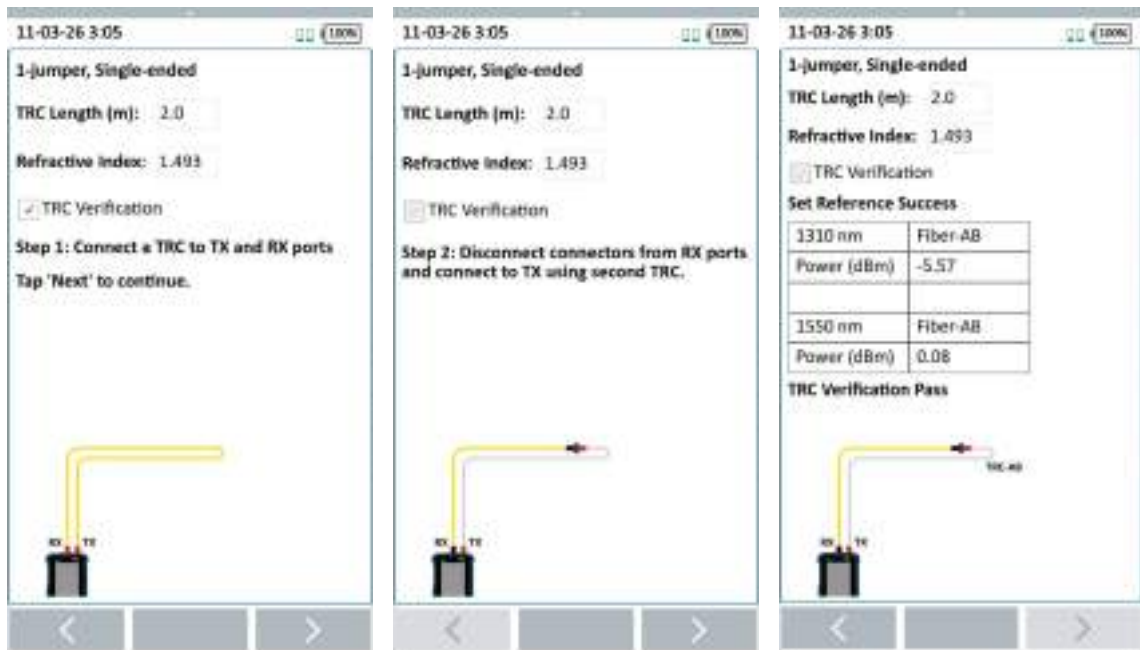


6. Tap to edit **TRC length** and **Refractive Index**.
7. Tap the **[Next]** button to proceed.



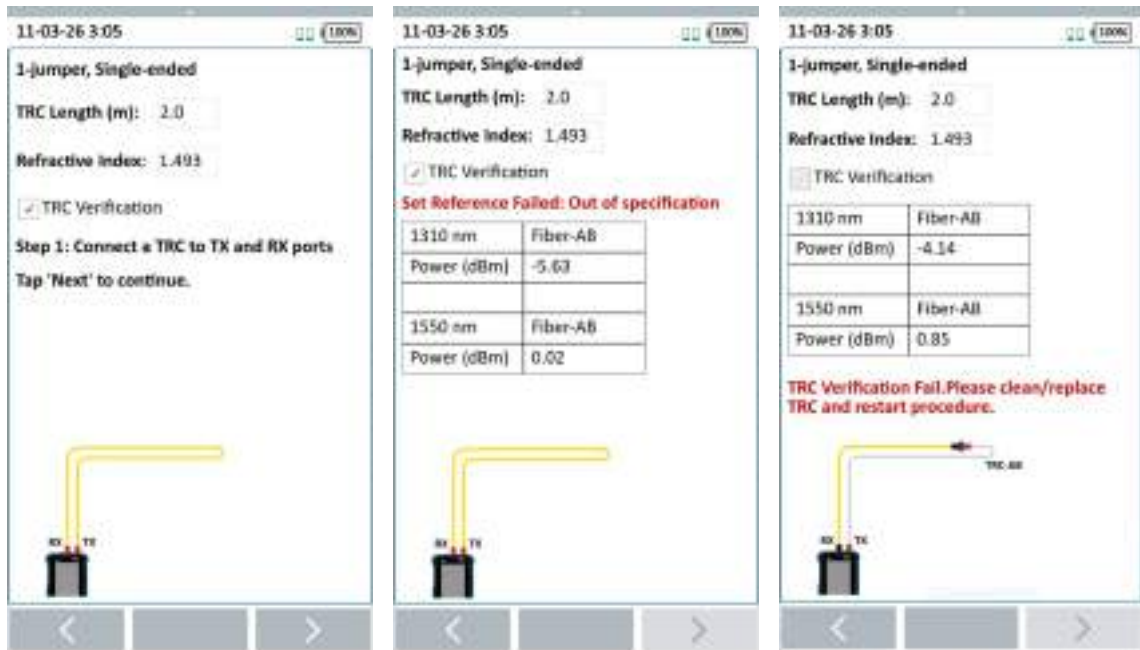
8. Check that the Set Reference result is between **-5.35 and 4 dBm** for single-mode and between **-25.35 and -15 dBm** for multimode.

Enable **[TRC Verification]** to perform verification test on the second set of test reference cords.



1. Tap to edit **TRC length** and **Refractive Index**.
2. Tap the **[Next]** button to proceed.
3. Keeping the cords (grey) on the **TX** ports connected to both ends of the device, connect the other end of each cord to a coupler.
4. Connect another test reference cord (yellow) to the RX ports of both devices and the other end of the cord to the coupler.
5. Tap the **[Next]** button to proceed.
6. Check that the Set Reference result is between **-5.35 and 4 dBm for single-mode** and between **-25.35 and -15 dBm for multimode**.

Set Reference Failed

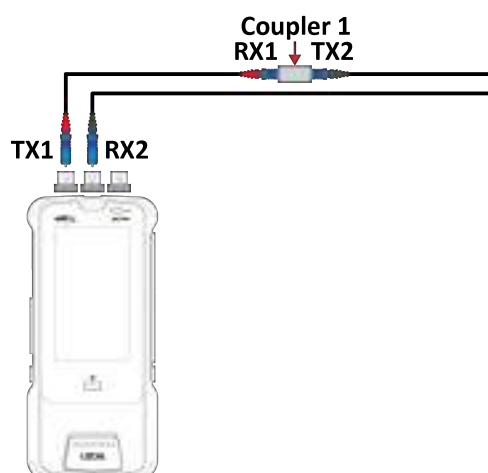


1. A test reference fails when the Set Reference result falls outside the acceptable range of **-5.35 to 4 dBm for single-mode** or **-25.35 to -15 dBm for multimode**.
2. A verification fails when excessive loss is detected in the TRC or when the entered TRC length does not match the actual length. Replace the TRC or enter the correct length, then repeat the test.

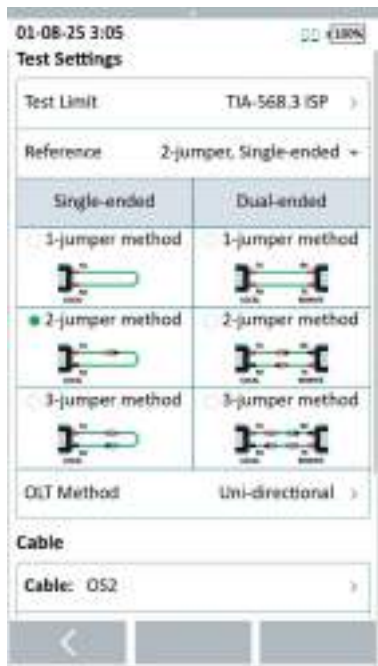
4.1.5 2 Jumpers Single-ended Loopback

1. Connect TX1 to the TX port and RX1 to one end of coupler 1.
2. Connect RX2 to the RX port and TX2 to the other end of coupler 1.

Please ensure the fiber cables are cleaned using the cleaning kit provided in the cord kit.



3. Select **[Test Settings]** from the Home screen



4. Select **[Reference]** → 2-Jumper method from Single-ended column.

5. Press the **[Home]** button

6. Select **[Set Reference]** from the Tools section



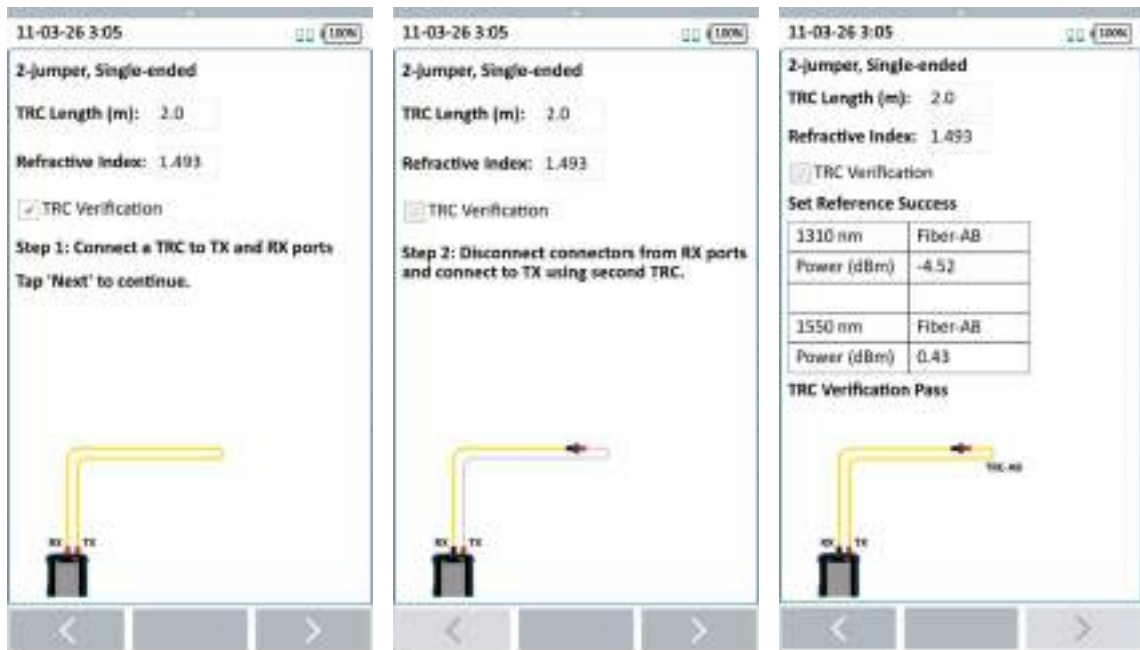
9. Tap to edit **TRC length** and **Refractive Index**.

10. Tap the **[Next]** button to proceed.



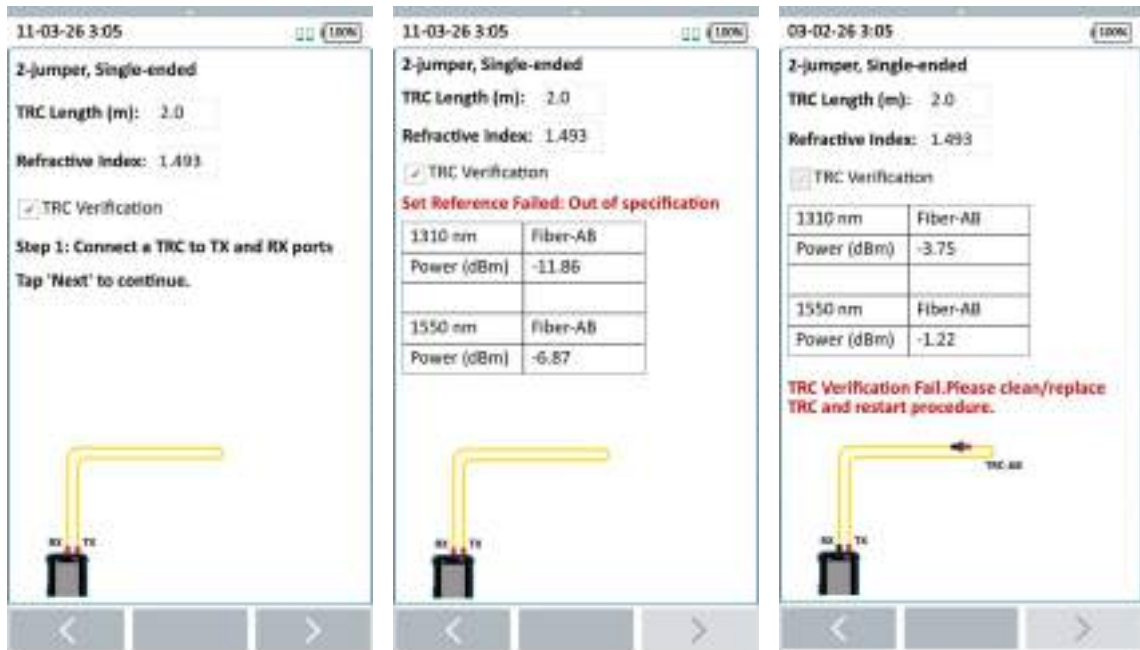
11. Check that the Set Reference result is between **-6.1 and 4 dBm for single-mode** and between **-26.1 and -15 dBm for multimode**.

Enable **[TRC Verification]** to perform verification test on the second set of test reference cords.



1. Tap to edit **TRC length** and **Refractive Index**.
2. Tap the **[Next]** button to proceed.
3. Keeping the cords (grey) on the **TX** ports connected to both ends of the device, connect the other end of each cord to a coupler.
4. Connect another test reference cord (yellow) to the RX ports of both devices and the other end of the cord to the coupler.
5. Tap the **[Next]** button to proceed.
6. Check that the Set Reference result is between **-6.1 and 4 dBm for single-mode** and between **-26.1 and -15 dBm for multimode**.

Set Reference Failed

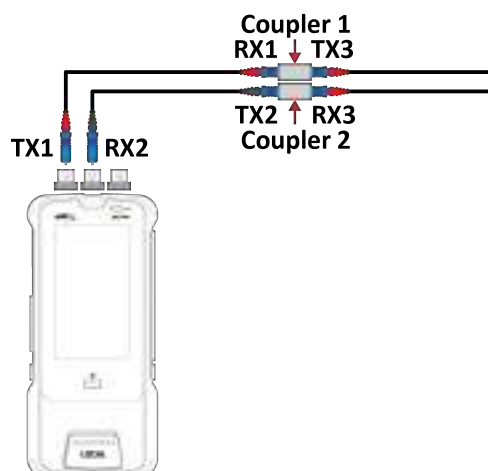


1. A test reference fails when the Set Reference result falls outside the acceptable range of **-6.1 and 4 dBm for single-mode** and **between -26.1 and -15 dBm for multimode**.
2. A verification fails when excessive loss is detected in the TRC or when the entered TRC length does not match the actual length. Replace the TRC or enter the correct length, then repeat the test.

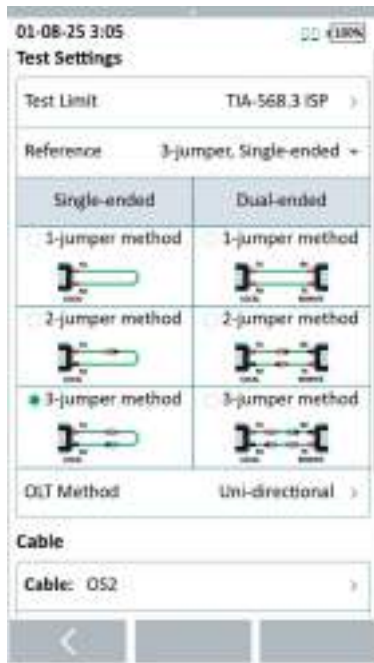
4.1.6 3 Jumpers Single-ended Loopback

1. Connect TX1 to the TX port and RX1 to one end of coupler 1.
2. Connect RX2 to the RX port and TX2 to the other end of coupler 2.
3. Connect one end of your jumper (TX3) to coupler 1 and the other end (RX3) to coupler 2.

Please ensure the fiber cables are cleaned using the cleaning kit provided in the cord kit.



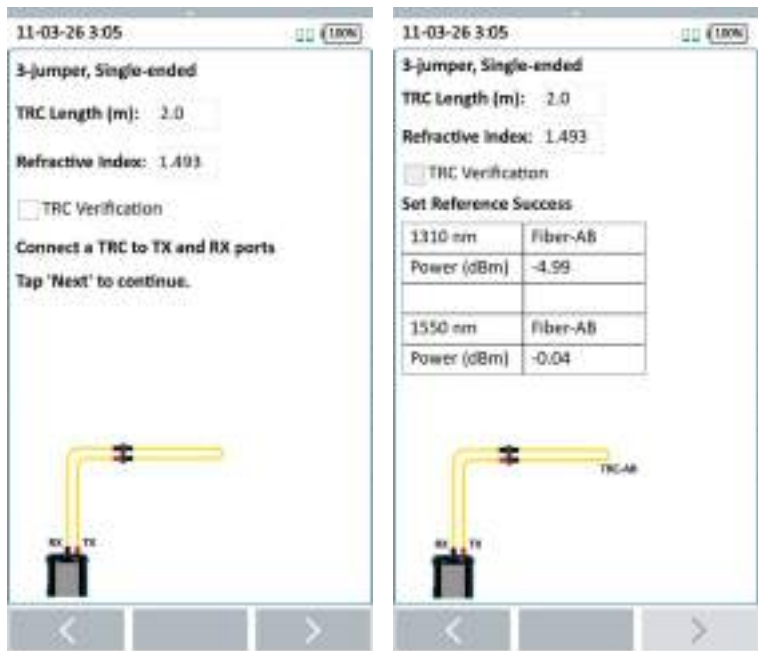
4. Select **[Test Settings]** from the Home screen



5. Select **[Reference]** → 3-Jumpers method from Single-ended column.

6. Press the **[Home]** button

7. Select **[Set Reference]** from the Tools section

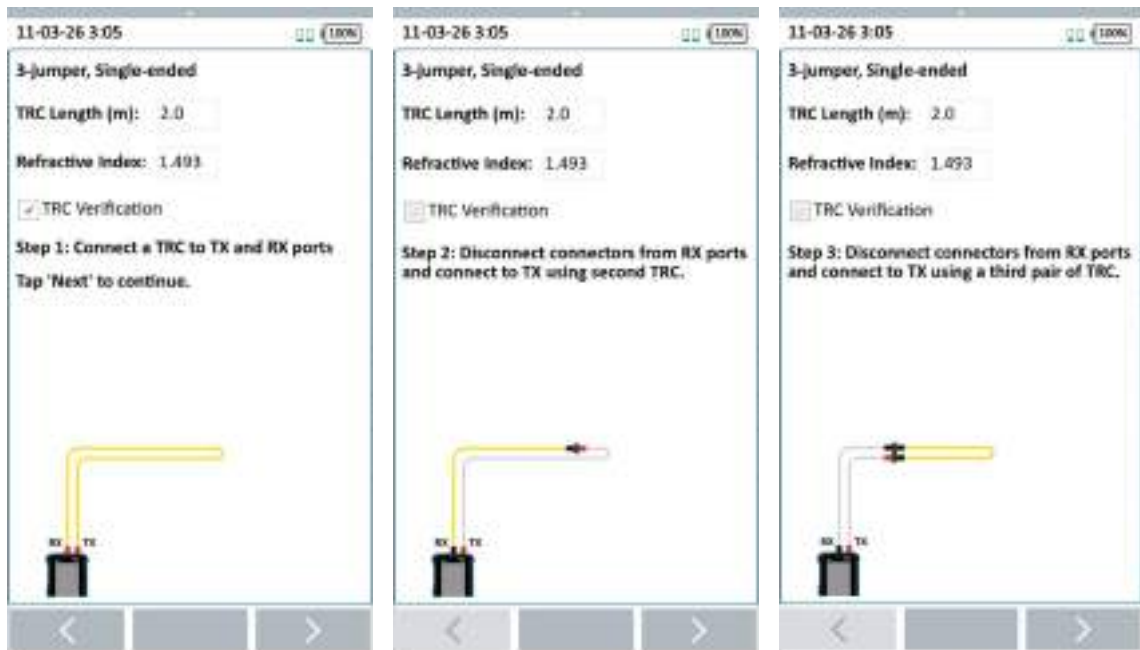


8. Tap to edit **TRC length** and **Refractive Index**.

9. Tap the **[Next]** button to proceed.

10. Check that the Set Reference result is between **-6.85 and 4 dBm for single-mode** and between **-26.85 and -15 dBm for multimode**.

Enable **[TRC Verification]** to perform verification test on the second set of test reference cords.

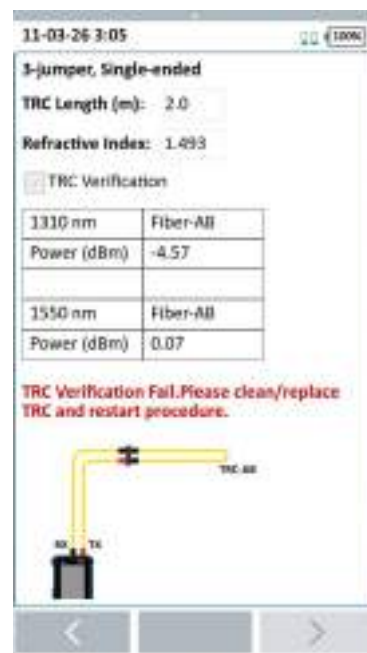
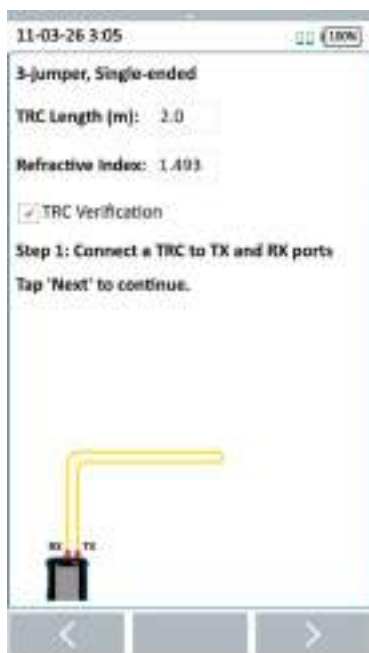


1. Tap to edit **TRC length** and **Refractive Index**.
2. Tap the **[Next]** button to proceed.
3. Keeping the cords (grey) on the **TX** ports connected to both ends of the device, connect the other end of each cord to a coupler.
4. Connect another test reference cord (yellow) to the RX ports of both devices and the other end of the cord to the coupler.
5. Tap the **[Next]** button to proceed.
6. Keeping the cords (grey) on the **TX and RX** ports connected to both ends of the device, connect the other end of each cord to a coupler.
7. Connect another pair of test reference cord (yellow) to the couplers bridging the connection between the LOCAL and REMOTE units.



8. Check that the Set Reference result is between **-6.85 and 4 dBm for single-mode** and between **-26.85 and -15 dBm for multimode**.

Set Reference Failed



1. A test reference fails when the Set Reference result falls outside the acceptable range of **-6.85 and 4 dBm**
2. A verification fails when excessive loss is detected in the TRC or when the entered TRC length does

for single-mode and between -26.85 and -15 dBm for multimode.

not match the actual length. Replace the TRC or enter the correct length, then repeat the test.

4.1.7 Save reference cable testdata

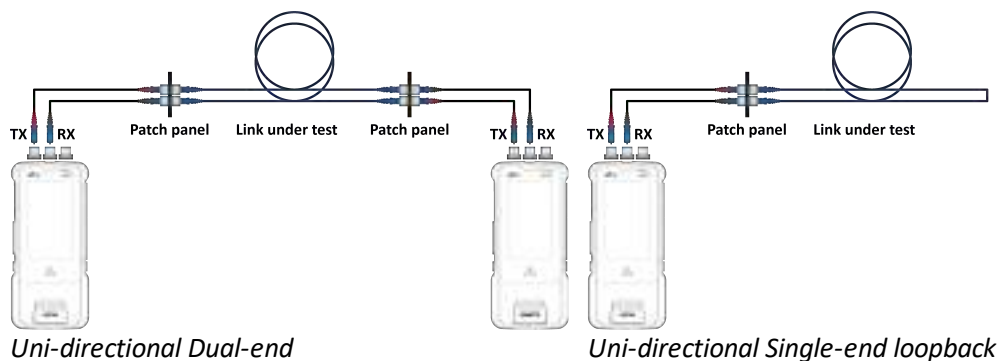
After setting the reference, the attenuation values of the test leads should be saved for documentation purposes.

To do this, after setting the reference, leave the measurement cable configuration unchanged and start a Autotest.

Save the measured values and assign an appropriate name to this measurement, e.g., "Measurement Cable Values June 1, 2026"

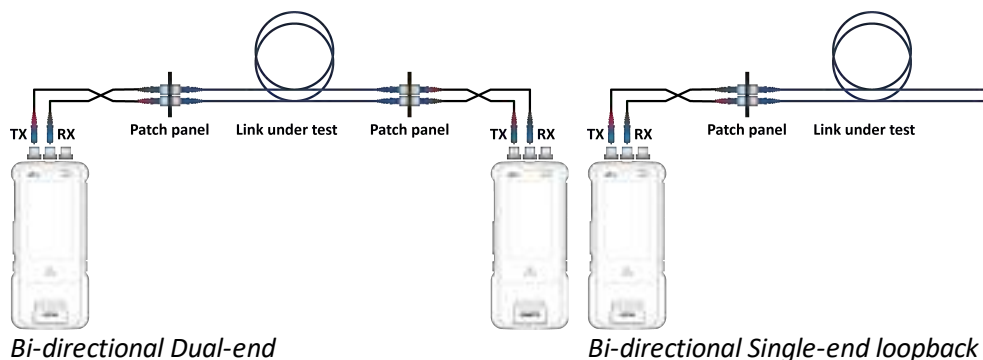
4.2 Performing an Autotest

Testing Guide for Uni-directional OLT Method



Press the AUTOTEST button once settings and limits have been selected. WireXpert MP will use the last configuration or factory settings to perform the AUTOTEST if new settings are not configured.

Testing Guide for Bi-directional OLT Method





Step-2 prompt

If Bi-directional is selected, a Step-2 notification will be prompted.

To perform Step-2,

1. Disconnect and swap TX and RX connectors at the near (equipment) end.
2. Repeat and disconnect and swap TX and RX connectors at the far (equipment) end.
3. Tap the **[Okay]** button to proceed.

4.3 Understanding the Results

Press the **AUTOTEST** button once settings and limits have been selected. WireXpert MP will use the last configuration or factory settings to perform the Autotest if new settings are not configured.

The device will display summarized result with PASS or FAIL once an Autotest is completed. Tap the **[Save]**  button to save the results or the **[Retest]**  button to perform an Autotest again.



Autotest in progress



Autotest for dual-ended test is completed



Autotest for single-ended test is completed

Tap on the parameter to display a more comprehensive individual result or saved referenced data.

In detailed view, loss from the LOCAL to the REMOTE unit, Limit and Margin will be displayed for each wavelength for both Single and Multi-mode. If Bi-directional test is selected at the configuration settings, test result for loss from REMOTE to LOCAL will be displayed.

Depending on installation requirements, additional tests in line with the application standard will be performed during an AUTOTEST if Ethernet Standard and/or Fiber Channel is selected. To perform additional application standard test, press the **[HOME]** button → Test Settings → Network Limits.

WireXpert will perform a separate test based on the loss value input if Link Validation is selected.

[Reference Data] displays the saved readings from the most recent successful reference setup using the selected reference method. It shows the absolute power of the light source for each wavelength.

Uni-Directional Testing





Single-ended Autotest



Single-mode 1310nm



Single-mode 1550nm

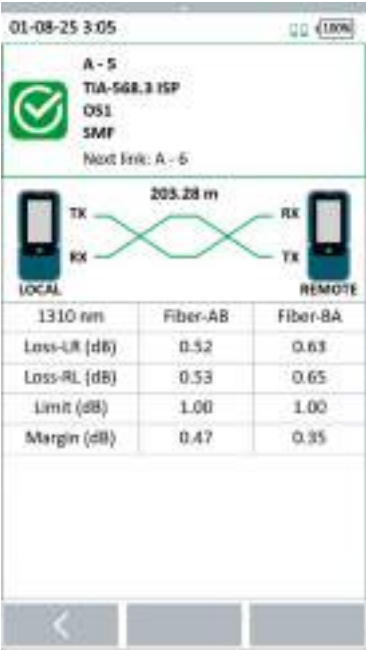
Fiber-AB and Fiber-BA Testing

- Fiber-AB: The local unit transmits from end A and the remote unit receives at end B.
- Fiber-BA: The direction is reversed, with the remote unit transmitting from end B and the local unit receiving at end A.

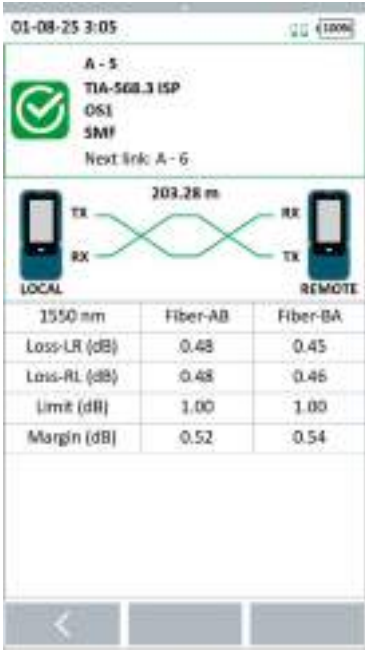
Bi-Directional Testing



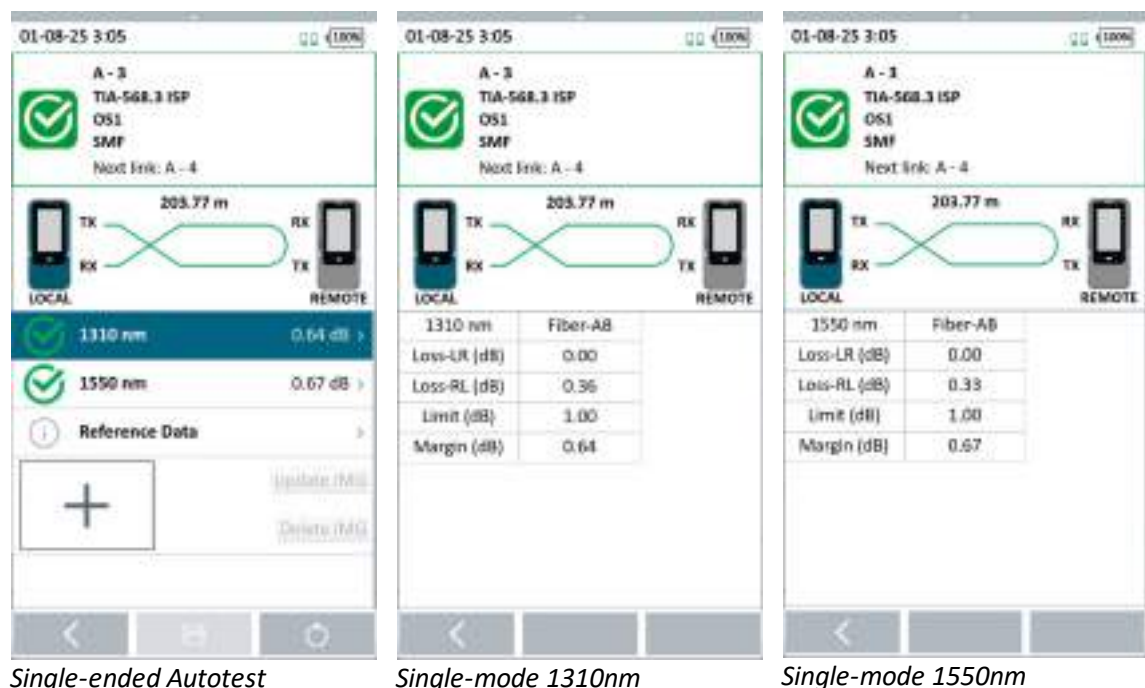
Dual-ended Autotest



Single-mode 1310nm



Single-mode 1550nm



Bi-directional testing ensures accurate fiber certification by accounting for differences in connector and splice losses at each end of the link. The test consists of two steps:

- Uni-Directional Step (Loss-LR): Measures the link in one direction (Fiber A→B and Fiber B→A) without swapping any connections at the user's equipment. This step records the Loss-LR value for each direction, providing the initial insertion loss measurement.
- Reverse Direction Step (Loss-RL): After the initial uni-directional measurement, the TX and RX connections at the end-user's equipment ends are swapped. The tester then measures the link in the opposite direction, recording the Loss-RL value.

The result screen displays the **lowest margin** measured among the bi-directional tests (Loss-LR and Loss-RL) for each fiber link.



Note

The diagrams and images in this user manual are for **illustration purposes only** and do not represent suggested test values. Reference and test values may vary depending on test conditions.

4.4 Managing test result(s)

Test results can be manually saved by selecting **[Save]** after an Autotest or single application test in Tools is completed. When prompted, enter label name and tap the **[Save]** button to save.



Autotest result screen



Enter label



The [Save] icon will disappear once saving is completed.

Test results will be named in alpha-numeric sequence depending on the selected [Label Source](#) ⁵⁵ when Autotest is completed.

PASS results will automatically be saved if the **Auto Save** option is enabled. FAILED results can only be saved manually.

Exporting test results into eXport PC Software

eXport is a data management software designed to work seamlessly with WireXpert MP. Saved results can be exported using the following methods;

USB Flash Drive



1. Insert USB flash drive to the USB port on WireXpert MP.
2. Device will automatically detect flash drive.
3. Otherwise, tap the USB icon  on the status bar and select **[Open]**.
4. Select **[Test Results]**.
5. Select projects to export and tap the **[Export]**  button.
6. Select *Projects* and tap the **[Okay]**  to proceed.
7. Launch eXport software.
8. Go to File → Create New Project to create new project space.
9. Go to Import → USB Flash Drive and select the flash drive. Click **[Import]**.
10. Select database and click **[Import Selected]** to import or click **[Import All]** for all databases.



User Manuals

Refer “User Manual – eXport” for more information on how to use the software.

5 Declarations

EU Declaration of Conformity



We
Softing Singapore Pte. Ltd.
73 Science Park Drive
#02-12/13, Cintech I
Singapore Science Park 1
Singapore 118254

declare under our sole responsibility that the products

Model / Description

WireXpert MP FQ	/	Fiber Optic Certifier
WireXpert MP FS	/	Fiber Optic Certifier
WireXpert MP FM	/	Fiber Optic Certifier

including associated accessories and cables supplied by Softing Singapore, comply with the requirements of the following directives:

- EMC directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- RoHS directive 2015/863/EU
- REACH Regulation (EC) 1907/2006 including tracking changes to the SVHC list published by ECHA on an ongoing basis. As of 25th June 2025, 250 SVHCs are listed.

Applied harmonised standards:

- CISPR 11:2015 +A1:2016 +A2:2019 - Industrial, scientific and medical equipment. Radio-frequency disturbance characteristics. Limits and methods of measurement
- EN IEC 61326-1: 2021 - Electrical equipment for measurement, control and laboratory use. Immunity characteristics. Limits and methods of measurement
- EN 62368-1:2014 - Audio/video, information and communication technology equipment – Part 1: Safety requirements


Ho See Loke
General Manager

04 MAR 2026
Date

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6 Technical Support

Softing's global presence ensures our customers receives sales and technical support anywhere around the world. For more information please visit <https://itnetworks.softing.com/contact/>.

Asia/Pacific

Softing Singapore Pte. Ltd.

73 Science Park Drive
#02-12/13, Cintech I
Singapore Science Park 1
Singapore 118254

Phone: +65-6569-6019
E-mail: asia-sales.itnetwork@softing.com

The Americas

Softing Inc.

2332 News Sentinel Drive,
Suite 120
Knoxville TN 37921

Phone: +1 865 251 5252
E-mail: sales@softing.us

Europe/Middle East/Africa

Softing IT Networks GmbH

Richard-Reitzner-Alle 6
D-85540 Haar, Munich

Phone: +49 89 45 656 660
E-mail: info.itnetworks@softing.com

Softing SRL

14 avenue de l'Opéra
75001 Paris
France

Phone: +33 1451 72805
E-mail: info.france@softing.com

Buxbaum Automation GmbH

Eisenstadt

Phone: +43 2682 7045 60
E-Mail: office@myautomation.at

China

Softing Shanghai

604, Building 8A, Jinke Office Park,
No.358 Jinhu Road, Pudong District,
Shanghai 201206
China

Phone: +86 (21) 61063031
E-mail: info@softingchina.cn