

Getting Results

The **Summary** tab is automatically displayed once the test is started. Select a tab to get additional test results.

The **Stop** button is displayed when the test is running.

Test control buttons are reconfigured according to the test application and status.

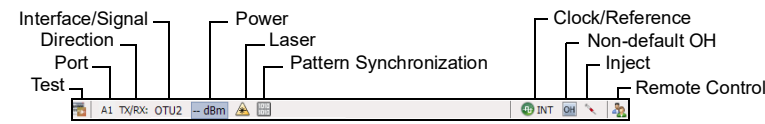
Alarm/Error Injection

- 1 Tap the **Alarms/Errors** tab.
- 2 Tap to select an alarm/error.
- 3 Select the alarm/error to be injected and its parameters.
- 4 Tap **Inject**.

3 Gives more information on this alarms/errors group.

4 Hides the alarm/error selection.

Status Bar



Additional Status Bar Symbols:

	Connection established between two testing units in Dual Test Set (DTS) , EXFO Worx Interop , or in Loop Up mode.
	Connection not established between two testing units in Dual Test Set (DTS) , EXFO Worx Interop , or in Loop Up mode.
	Remote unit is busy (locked) in EXFO Worx Interop operation mode.
	LINK: Port link PTP: 1588 PTP, PTP Frames ESMC: SyncE, ESMC Frames
(BTS)	CPRI, Base Station emulation mode
(RRH)	CPRI, Remote Radio Head emulation mode
[Lx]	Indicates the Lane number when using a QSFP28 multilane transceiver for a serial interface rate.

Global Indicator

The global indicator displays the pass/fail verdict, global alarm, timer, and/or test duration.



Tap anywhere within the global indicator area to view the maximized view of these indicators.

Test Control Buttons

	Start	Starts test. Available when the test is not running.
	Stop	Stops test. Available when the test is running.
	TX	Enables traffic generation and starts test. Available with Traffic Gen & Mon and eCPRI BERT.
	Save Load	Saves, loads, imports, exports, and deletes configuration file(s). Available when the test is not running.
	Report	Saves, opens, imports, exports, and deletes test report(s). Available when the test is running or stopped, but the report generation (save) is only possible when the test is stopped.
	Laser (on)	Indicates that the laser control is on (for at least one lane for parallel interface); the laser button has a red border. Tapping this button will turn off the laser (for all lanes for parallel interface). Only available with optical ports.
	Laser (off)	Indicates that the laser control is off (for all lanes for parallel interface). Tapping this button will activate the laser immediately by emitting an optical laser signal (on all lanes for parallel interface). Only available with optical ports.
	Reset	Clears results, statistics, and logger content. Available when the test is running.
	Inject	Injects alarms/errors based on settings from the Inject button from the Results - Alarms/Errors tab.
	Discover Remote	Discovers and connects to a remote module that loops back the traffic via Smart Loopback or Dual Test Set (DTS).
	More/Less	The More/Less button appears when there is not enough room to display all available test control buttons.

Quick Reference Guide

HIGH-SPEED MULTISERVICE TEST MODULE

Power Blazer and NetBlazer

FTBx-88260

Physical Interfaces

Connect the signal to the corresponding interface on the module. Insert an EXFO supported transceiver into the port's slot then carefully connect optical fiber cables to the transceiver IN (RX) and OUT (TX) ports. The FTBx-88260 module with TA-SFP28 transceiver systems are shown below as examples for connector location purposes.

FTBx-88260 Port A Port B

TA-SFP28 Port A1¹ Port A2¹ Port B1¹ Port B2¹

TA-QSFP28 Port 1/Port 2

TA-CFP4 Port 1

TA-SYNC ANTENNA 1 PPS EXT CLK

SFP28:
Ethernet 100/1000 Mbit/s, 10 Gbit/s, 25 Gbit/s optical
Ethernet 10/100/1000 Mbit/s electrical (using active copper SFP)
Fibre Channel 1X, 2X, 4X, 8X, 10X, 16X, 32X
eCPRI 10 Gbit/s, 25 Gbit/s
CPRI 1.2, 2.4, 3.1, 4.9, 6.1, 9.8, 10.1, 24.3 Gbit/s
OBSAI 1.5, 3.1, 6.1 Gbit/s
OC-1/STM-0, OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, OC-192/STM-64
OTU1, OTU2, OTU1e, OTU2e, OTU1f, OTU2f

QSFP+:
Ethernet 40 Gbit/s
OTU3e2, OTU3e1, OTU3

QSFP28:
Ethernet 50/100 Gbit/s
CPRI 9.8, 10.1, 24.3 Gbit/s
eCPRI 10/25/100 Gbit/s
OTU4

QSFP56:
Ethernet 100 Gbit/s

CFP4:
Ethernet 100 Gbit/s
eCPRI 100 Gbit/s
OTU4

SMA:
Eye diagram clock signal generation

1 PPS
SMB:
IN: 1PPS

ANTENNA
SMA:
IN: Antenna for GNSS receiver

1. Laser radiation is emitted from this port when LASER LED is on.

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For more information, refer to the user guide.

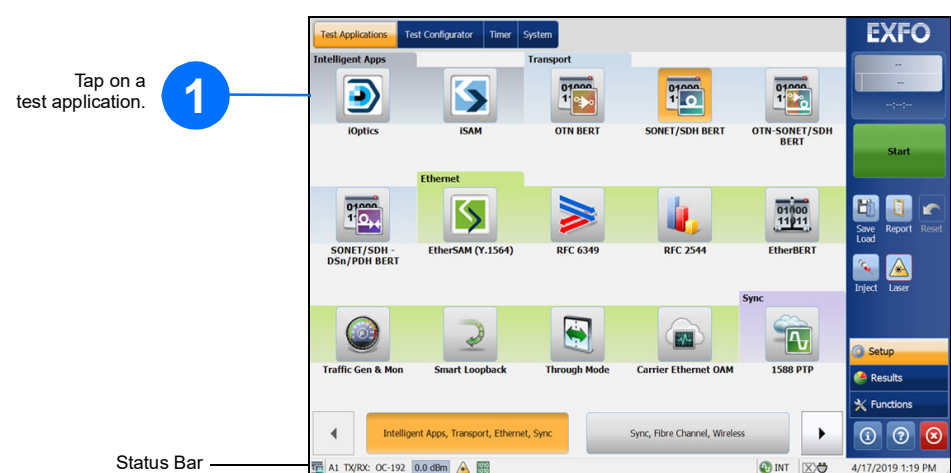


Starting the Application

From ToolBox X, tap either the Power Blazer or the NetBlazer application button.



Selecting, Configuring, and Starting a Test

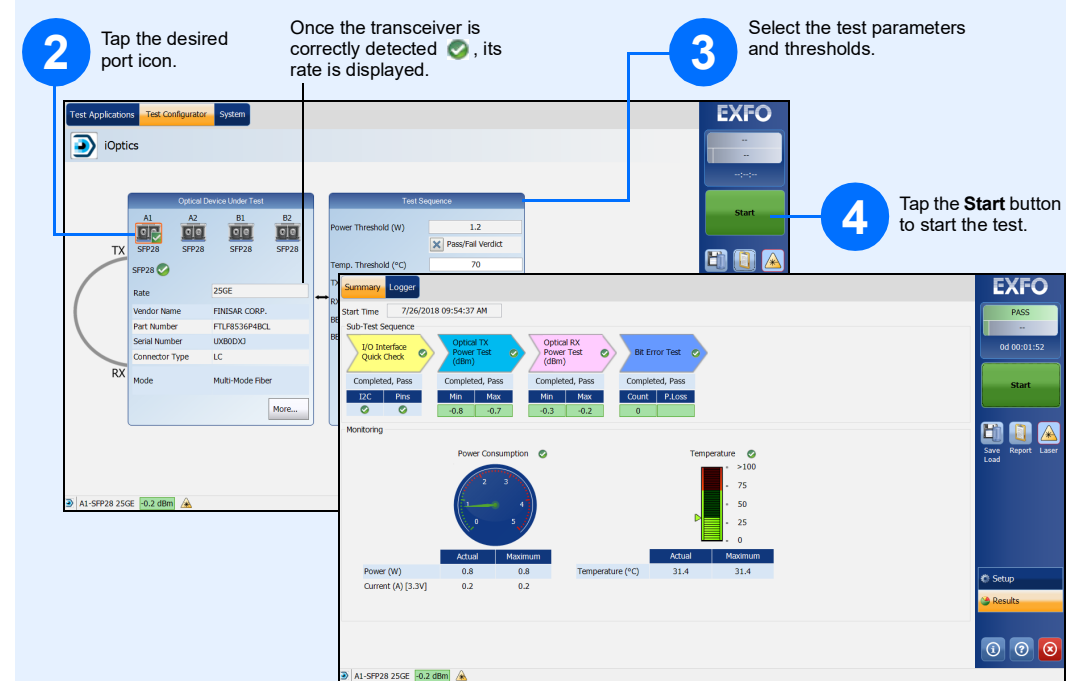


1 Tap on a test application.

Status Bar

For Intelligent Apps:

iOptics



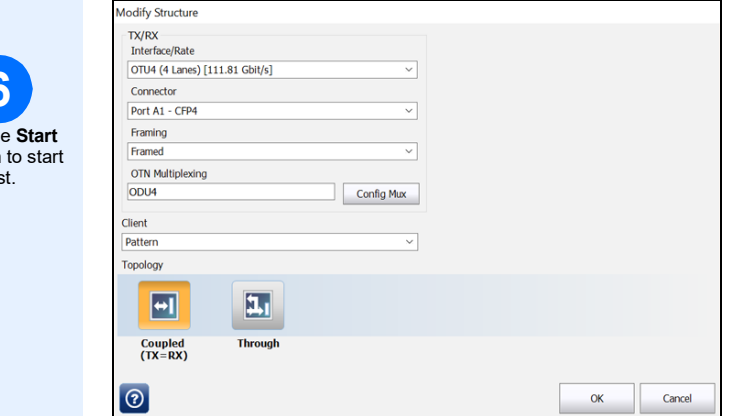
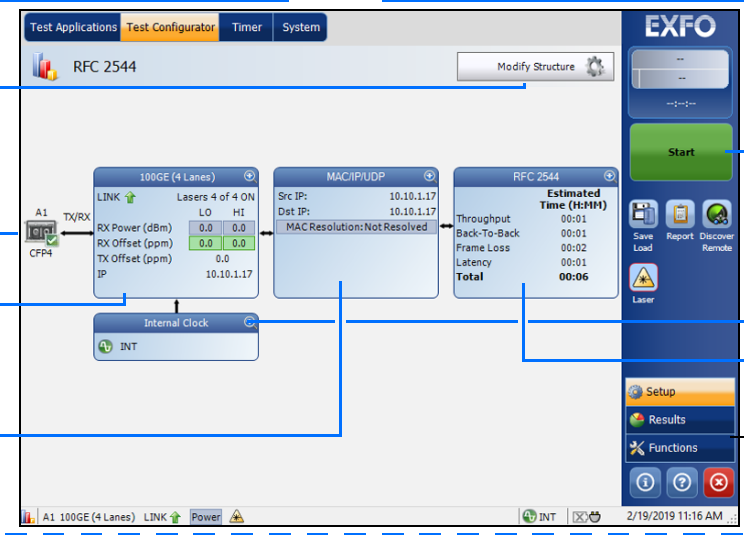
2 Tap the desired port icon. Once the transceiver is correctly detected, its rate is displayed.

3 Select the test parameters and thresholds.

4 Tap the Start button to start the test.

For Transport, Ethernet, and Wireless:

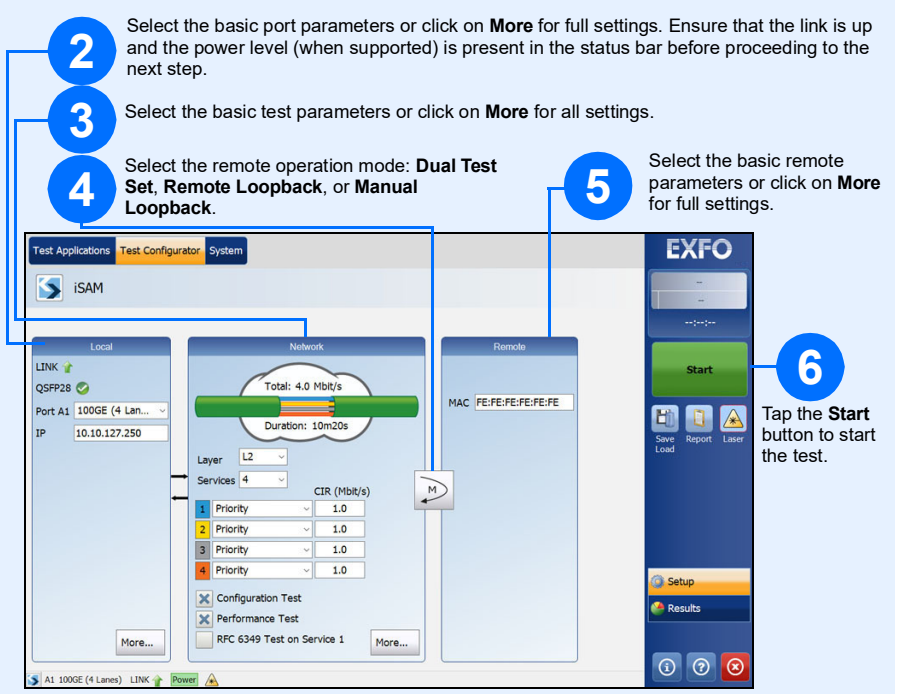
- 2 Tap the **Modify Structure** button to set the basic structure of the test such as interface/rate, connector, etc.
- 3 For CFP interface, check for the CFP optical validation check mark indicating that the CFP matches the configured interface/rate.
- 4 Tap the interface block to configure the interface/signal parameters. Ensure that the link is up (except for Transport applications) and the power level (when supported) is present in the status bar before proceeding to the next step.
- 5 Tap the protocol block to configure either the frame structure and its parameters for Ethernet test applications or the embedded signal for Transport test applications. This block is not present for all tests.



- 6 Tap the test block to configure specific test settings. This block is not present for all tests.
- 7 Tap the clock block to configure the clock synchronization.
- 8 Tap the Start button to start the test.

Note: For advanced testing, tap the Functions button.

iSAM



2 Select the basic port parameters or click on **More** for full settings. Ensure that the link is up and the power level (when supported) is present in the status bar before proceeding to the next step.

3 Select the basic test parameters or click on **More** for all settings.

4 Select the remote operation mode: **Dual Test Set**, **Remote Loopback**, or **Manual Loopback**.

5 Select the basic remote parameters or click on **More** for full settings.

6 Tap the Start button to start the test.

