

Get Connected. Stay Connected.™

optimize!
softing

NETXPERT
XG2

NETXPERT
XG2^{plus}



KURZANLEITUNG
QUICK START GUIDE
GUIDE DE DÉMARRAGE RAPIDE
GUÍA DE INICIO RÁPIDO



IT Networks

itnetworks.softing.com/XG2

CONTENTS

SAFETY INSTRUCTIONS	17
Battery	18
Storage	18
Scope of delivery	18
Device description	19
GENERAL OPERATIONS	20
Icons	20
Button functions	21
REGISTER DEVICE	22
PASSIVE NETWORK TESTS – TEST RESULTS IN 10 STEPS	23
1. Set language	23
2. Set date and time	23
3. Set standards	23
4. Personalize your reports	23
5. Cable test settings	24
6. Set project options	24
7. Select cable type	24
8. Cable labeling	24
9. Set reference	25
10. Cable test	25
ACTIVE NETWORK TESTS	27
TOOLS – ADDITIONAL TEST OPTIONS	28

The NetXpert XG2 network cabling qualifier offers a complete solution to test copper and fiber network cabling. In a quick and easy way, the device tests and documents, whether a cabling link is able to support data rates of up to 10 Gigabit Ethernet in compliance with IEEE 802.3 by testing the data carrying capabilities of Ethernet network cabling up to 10Gb/s, determining the signal-to-noise ratio, and detecting faults in the cable wiring. This ensures that the cabling is able to support the speed capabilities of active equipment connected to the network.

In this quick start guide you find the most important information for carrying out cable tests with the NetXpert XG2. For detailed descriptions please use the user manual on our website: itnetworks.softing.com/XG2

SAFETY INSTRUCTIONS

To ensure safe operations of the NetXpert XG2, follow the instructions carefully and observe caution and warning messages in this manual. Failure to observe caution and warning messages can damage the equipment and can result in severe injury or death.

Icon	Definition
	Warning/caution: potential for personal injury or damage to equipment
Voltage	Warning: hazards could cause harm or death
	Conformité Européenne. Conforms to EU directives
	Disposal information



Warning! To avoid possible fire, electric shock, or personal injury:

- Do not open the case; no user serviceable parts are inside.
- Do not modify the tester.
- Do not use the tester if it is damaged. Perform a visual inspection of the tester before use.
- The tester is not intended to be connected to active telephone inputs, systems, or equipment, including ISDN devices. Prolonged exposure to the voltages applied by these interfaces may damage the tester.
- The Lithium-ion battery pack is to be serviced by qualified personnel only. Only the original battery pack type should be used with this product.

WARNING: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

BATTERY

The NetXpert YG2 is powered by a rechargeable Lithium-ion battery.

- **To charge the battery**, plug the charger into the charging jack of the tester and then plug the charger into the power source. The battery of the NetXpert YG2 is not user serviceable.
- **In the event that you need to remove the battery**, remove the screws on the back panel of the NetXpert YG2 and unplug the battery. Be sure to remove all the leads connecting the battery to the device. Please make sure that the battery is charged overnight or at least for 5 hours. This will increase the accuracy of the battery status indication in the long run.

Note: The high-quality Lithium-ion battery is designed to last for the life of the tester and should not need replacement. Lithium-ion batteries are hazardous waste and should be disposed of in compliance with the applicable waste regulations.

STORAGE

When not in use, store the NetXpert YG2 in the included protective case.

Do not expose the NetXpert YG2 to high temperatures (above 80°C) or humidity.

SCOPE OF DELIVERY

Standard scope of delivery for NetXpert YG2

- 1 NetXpert YG2 main unit
- 1 NetXpert YG2 Active Remote unit
- 2 Power supplies
- 1 Hard carrying case
- 2 patch cords CAT 6_A



Scope of delivery for NetXpert YG2-PLUS

Like standard delivery

- + 1 NetXpert YG2 Main unit
- + 1 power supply
- + 4 LC/LC duplex patch cord
(Multimode OM4 und Singlemode OS2)
- + 2 LC/LC coupler
- + 1 RJ45 coupler

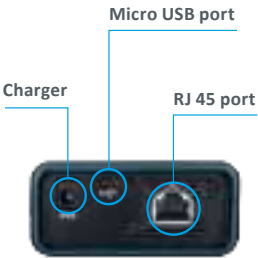
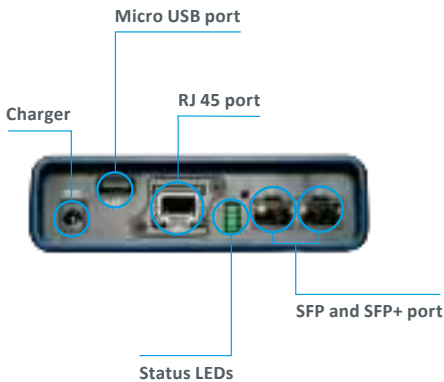


DEVICE DESCRIPTION

MAIN UNIT



ACTIVE REMOTE



GENERAL OPERATIONS

For detailed descriptions please consult the user manual on our website.

Except for the power on/off function, the main unit is exclusively operated via the touch-sensitive screen.



ICONS



Display/hide the menu at the left-hand side



Back to the home screen



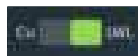
This icon indicates that the battery of the NetXpert XG2 is being charged over an external power supply



Displayed results will be exported in a CSV file



Displayed results will be exported in a PDF file



Shows in which mode the unit is in and allows the user switch between modes

BUTTON FUNCTIONS

The NetXpert XG2 is turned on by pressing the power button. The button indicates the operating status by light signals:



OFF

The NetXpert XG2 is turned off



GREEN LIGHT
(CONTINUOUS)

The NetXpert XG2 runs on battery and is sufficiently charged



GREEN LIGHT
(FLASHING)

The NetXpert XG2 is being charged



ORANGE LIGHT
(FLASHING)

The NetXpert XG2 is turned on and battery status is lower than 20%

- A short press of the power button will put the NetXpert XG2 into sleep mode.
- The NetXpert XG2 automatically enters sleep mode to conserve battery power if no input or activity is performed on the device.
- A long press of the power button will turn off the NetXpert XG2.
- Tap the **Status** icon to check the battery status of the Active Remote and to display the latest test result.
- Tap the **Test** button to start a qualification test from the Active Remote.



REGISTER DEVICE

Tap on the register device icon on the home screen to start registering process of your NetXpert XG. The feature set of the product does not include reporting feature. However, user can activate reporting feature by registering the product free of charge anytime.



Serial number of the device is taken automatically and cannot be changed by the user. E-mail address must be entered to complete registration. Date of purchase and vendor information can be entered optionally.

Product registration can be only done via W-Fi connection. Wi-Fi settings shortcut can be used to access to Wi-Fi settings screen to select an access point and establish an internet connection. Tapping on send button will send the information to Softing Server and activate reporting feature automatically.

User will then receive e-mails with MySofting login credentials. More information on the product like latest firmware, release notes, manuals can be found on <https://itnetworks.softing.com/my-softing/>.



PASSIVE NETWORK TESTS – TEST RESULTS IN 10 STEPS



1. Set language

Tap the **Settings** icon to configure the NetXpert XG2.

Tap **Language** icon and select the desired language for the user interface. When changing the language, the keypad will be changed accordingly.



2. Set date and time



Set the current time and date. These have to be entered in the defined format. You can choose the time format displayed – a 12-hour or 24-hour format.



3. Set standards

Choose between Meters and Feet for the display of the length.

The NetXpert XG2 supports various wiring standards. Choose TIA568A/B. This affects primarily the display of the wiremap.



4. Personalize your reports

Must select **More Options** to access **Reports** screen. If you want to personalize your reports, you can enter the name of your company, of the technician doing the job, and a company logo.

To include a company logo, tap **Import logo**. Connect a USB flash drive containing your company logo to the NetXpert XG2. A file browser will open, and you can navigate to your logo file on the USB flash drive and select the logo.

Device must be registered on MySofting portal to enable the reporting feature.



5. Cable Test Settings

From the home screen, tap **Cable Test** to display the cable test menu. Further project specific settings can be made here. Moreover, a new test can be started from here. At **Cable Test** there are several menu options. The last selection is displayed automatically (example below: menu option “Cable Test”).

On the left-hand side, the various menus are listed and, if already created, the list of the tested cables.



On the right-hand side, the test result of the cable selected on the left is displayed.



A qualification test can directly be started by tapping the **Test** button.



6. Set project options

Tap the **Projects + Reports** icon to make general settings for your test project.



7. Select cable type

Tap the **Cable Type** icon on the left to select or configure different cable types.



Important: Before running a test, it is necessary to select the correct type of cable, otherwise the result could be affected.



8. Cable labeling

Tap the **Cable Labeling** icon to define the labeling of the individual measurements. This will help to retrieve and allocate the measurements more easily later on.



9. Set Reference

To exclude test cables that are used to connect the NetXpert XG2 and the Active Remote, from the length measurement, you can have their length determined and automatically deducted from the total length of the cabling tested by the NetXpert XG2. The sequence of this process is explained for fiber optics on the screen of the main device using GIFs.



10. Cable Test

When tapping the **Cable Test** icon, you will always return to the test screen.

The test screen displays an overview over the cabling links to be tested/already tested. Moreover, you can view the results of the tests that are already completed and start a new test.

Tapping the **Test** button will launch a complete cable test on the cable selected in **Cable Type**. The next free cable will be selected from the list or a new one is added below.

Copper:



Fiber:



All test results can be managed in the file manager.

For detailed descriptions please consult the user manual on our website.



Add new cable



Delete cable and test



Edit cable – Labels and attributes such as building, floor, room, etc. can be adjusted



Start test



ACTIVE NETWORKS TESTS

The NetXpert XG2 offers different possibilities for analyzing troubleshooting in active networks.



Link Status (an overview over the connections to the network)



DHCP Test



Network Discovery



Ping Lists



Traceroute



LinkLayer Discovery Protocol



Cisco Discovery Protocol



VLAN

For detailed descriptions please consult the user manual on our website.



TOOLS – ADDITIONAL TEST OPTIONS

NetXpert XG2 offers various individual cable tests for targeted troubleshooting or cable localisation.

Copper:



Wiremap & Margin (Wiremap and signal-to-noise ratio)



Port Discovery



BERT (Bit Error Rate Test)



Tone Generator



Link Light

Fiber:



BERT (Only Bit Error Rate Test)



Microscope



LiveLight



Link Light

For detailed descriptions please consult the user manual on our website.