

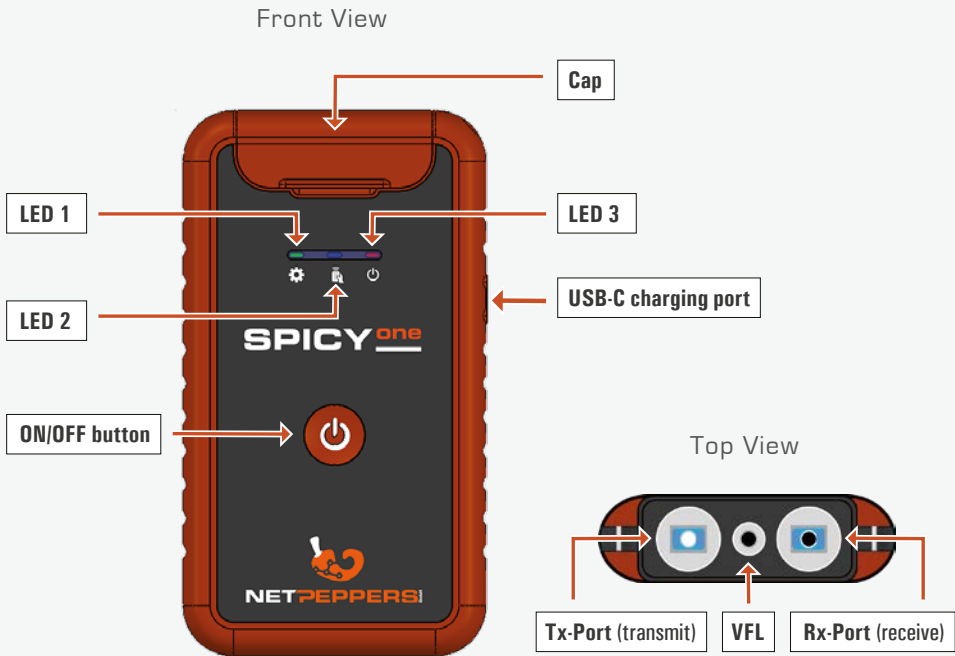
TIER 1 Fiber Certifier

NetPeppers SpicyONE



Quick Start Guide

OVERVIEW



LED No.	Designation	Status	Purpose
LED 1	Test Status	Flashing green	Connection to handset 2 established
		Green glowing (3s)	Test passed
		Flashing orange	Test or referencing active
LED 2	Bluetooth Connection Status	Flashing blue	Bluetooth ready to connect
		Blue	Connected to mobile device
LED 3	Power Status	Green	Device is turned on
		Red	Device is turned off and charging
		Orange	Device is turned on and charging

LED active	Battery level
1 flashing red	< 3 %
1	3-33 %
1-2	33-66 %
1-3	66-100 %

HINT

Pressing the ON/OFF button for 3 seconds will turn off the device. A short press of the ON/OFF button when switched on shows the battery level.

Charge the device fully before using it for the first time and ensure that the charge level is at least 30 % if device is stored for a longer period of time.

BASIC OPERATION



1

DOWNLOAD THE APP

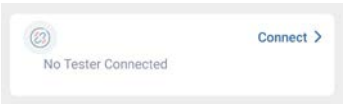
Download the NP Connect app from the Apple App Store or Google Play Store. Alternatively, scan one of the QR codes below.

Perform the installation and grant permissions when the app starts.

Supported operating systems:
ANDROID: VERSION 11 OR LATER
IOS: VERSION 13 OR LATER



Press for 1 sec.



2

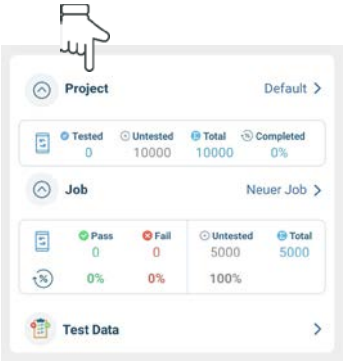
SET UP THE CONNECTION

- Turn on the two SpicyONE devices by pressing and holding the ON/OFF button for one second. The device symbolizes readiness for connection by flashing the center LED blue.
- From the main menu, select the "Connect" button.
- Confirm the request to enable your Bluetooth interface on your mobile device."



Both SpicyONE handsets now appear under "Available Testers".

- Select one of the two devices. If the connection was successful, the device appears under "Connected Tester".
- Perform a firmware update of the device when prompted.



3

SET UP PROJECT SETTINGS

In the main menu, you will find a button that contains the items "Project", "Job" and "Test Data".

Here you can set all settings for your test procedure.

A project can contain multiple jobs. For example, both singlemode and multimode measurements can be combined in one project by different jobs.

- Click on "Project" to define a new project.



- Select the three dots at the top right and "Add Project" in the context menu.
- Enter the desired project name and confirm with OK.
- You will then be asked to create a new job within the new project.
- Assign a job name and choose between multimode (MM) or singlemode (SM) certification.

4

SET UP TEST SETTINGS

Set up the desired settings according to your project.

Limit: Select the threshold against which you want your measurement results to be compared.

Configuration: Choose a suitable measurement setup for your project.

Cable: Choose from an extensive list of cable manufacturers and their cable types. The refractive index given affects the accuracy of the length measurement.

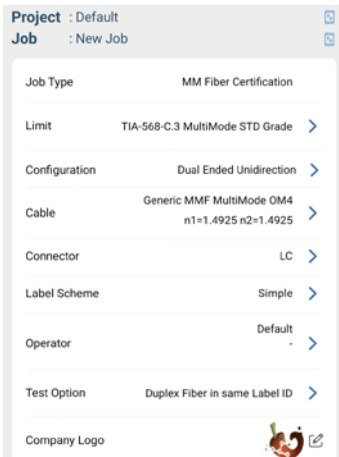
Connector: Select the type of system connector you want to measure (informative).

Label Scheme: Set the way your results are counted. You can define a counting method or import label lists from an CSV file.

Operator: Enter the name of the technician (informative).

Test Option: Specify whether you want to save duplex ports under the same label (one result) or in separate labels (multiple results).

Company Logo: Insert your logo here, which will appear on all PDF reports.



5

SET REFERENCE



- Exit the test settings by clicking on the home button below.
- Select "Test" at the bottom of the main menu.
You are now in the measurement view.
- Select "Set Reference".

Depending on your planned measurement setup, various methods of referencing are available.

● 1 Jumper



- Select "1 Jumper" to set a reference using one of the reference test cables. This is the preferred method of measuring distances in LC/SC/ST/FC cabling.
- Screw the appropriate adapter onto the Rx port of the device.
- Connect a measurement cable to the Tx port of handheld device 1 to the Rx port of handheld device 2.
- Connect the second measurement cable to the Tx port of handset 2 to the Rx port of handset 1 (if measurement is dual-ended).

● 2 Jumper



-
- Select "2 Jumper" to set a reference using two reference test cables. **ATTENTION!** According to ISO/IEC 14763-3, this method is no longer permissible due to increased inaccuracy!
 - Connect a measurement cable to the Tx port of the handheld device 1.
 - Connect a measurement cable to the Rx port of the handheld device 2.
 - Connect both measuring cables with a coupler.
 - Repeat the step for the second measurement channel.
There should be four measuring cables and two couplers in the structure (if measurement is dual-ended).

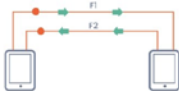
● 3 Jumper



- Select "3 Jumper" to set a reference using three reference test cables. This method is suitable for measuring connector systems to which it is not possible to adapt using the supplied measurement port adapters.

- Connect a measurement cable to the Tx port of the handheld device 1.
- Connect a measurement cable to the Rx port of the handheld device 2.
- Connect another measuring cable to the corresponding system plug using two couplers between the two measuring cables on the handheld devices.
- Repeat the step for the second measurement channel. Six measuring cables and four couplers should be included in the structure (if measurement is dual-ended).

● Dual Ended



- Choose between "Loop Back" and "Dual Ended" below to determine the measurement setup.
- "Dual Ended" is the preferred measurement setup for evaluating two transmission channels individually.

↔ Set Reference

- Select "Set Reference" at the bottom to start the process.
- Confirm the reference info window with OK.



⚡ Auto Test

6

TAKE MEASUREMENTS

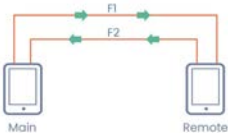
- Exit the test settings by clicking on the home button below.
- Select "Auto Test" at the bottom of the test menu.
- The measurement is now being carried out.

Project : Default
Job : New Job
Label : A-0001
Limit : TIA-568-C.3 MultiMode STD Grade

 **Pass**

Summary | **Loss** | **Network**

Margin 850 nm	1.08
Margin 1300 nm	0.83
Length	1.1
Delay (ns)	6.25



 Save
  Save as
  Auto Test

The result window shows all relevant information about the tested fibers:

Margin: shows the margin of the measured value to the limit value for the tested wavelength.

Length: shows the length of the measured distance in meters.

Delay (ns): shows the propagation delay of the test signal.

Loss: Here you will find the attenuation values of the measured transmission channels.

Network: Shows all compatible applications that can be operated on this transmission link.



Save

- To save the measurement, select the "Save" button in the bottom left.

Measurement results can be called up again in the main menu under "Test data", converted into PDF reports and shared.

MAINTENANCE

Keep the device clean. Dirt or damage to the Tx measurement ports can lead to incorrect measurements and ultimately failure.

- Wipe the device only with a damp cloth.
- Do not use harsh cleaners or solvents on the case.
- Close the cover cap of the measurement ports when not in use.
- Before each mating operation, clean the Tx measuring ports of the handheld devices with suitable cleaning equipment such as the NetPeppers cleaning pen (article no. NP-FIBER11).
- Clean the ferrules of your test cables before each insertion.
- If possible, use a fiber optic video microscope for optical inspection of the Tx measurement port and the measuring cable ferrules.

WARRANTY

NetPeppers GmbH warrants for a period of 12 months from the date of sale that the product will be free from defects in materials and workmanship when used properly in accordance with the operating regulations. Improper handling such as mechanical damage to the measuring ports is not part of the warranty.

DISPOSAL

Do not dispose of the appliance and its accessories with household waste. Equipment and accessories must be disposed of in accordance with local regulations. For more information, see www.stiftung-ear.de or www.bmlfuw.gv.at.
WEEE Reg. No. DE24330012



NetPeppers GmbH

Carl-Benz-Str. 5 · 82266 Inning · Germany

Phone: +49-89-219097300 · E-Mail: mail@netpeppers.com

www.netpeppers.com