Pocketernet 2 user manual

Pocketernet is an Ethernet cable and network testing device.

You can find the manual for the original Pocketernet 1 here.

Quickstart

Make sure to read the regulatory and safety notices first.

You can start testing in just a few seconds:

1. Switch on your Pocketernet. The Power LED will come on.
2. Open the Pocketernet 2 App: iOS downlad | Android download
3. Tap the "Connect" button in the App. No Bluetooth pairing is required.
4. Select measurements and press "Measure"
5. Review the results and optionally save them in the "Reports" tab

The device

Power button

When the device is powered off, press the power button until the Power LED becomes on.

When Pocketernet is powered on, the button does this:

Button press	**Action**
Long (at least 2 sec)	Switches the device off
Short (<1.5sec)	Starts the Quick test function
Two quick presses	Switches the Flashlight function on or off
Very long (>8 sec)	Resets the device

Power LED

When the device is powered on:

Power LED color	**State**
	Battery charge level > 50%
	Battery charge level between 30%-50%
	Battery charge level below 30%
	Battery fault

USB cable connected for charging:

Power LED color	State
	Battery charging
	Fully charged
	Battery / charging fault

When a USB cable is connected for charging while the device has been switched off, it will enter a charging standby mode indicated by a "breathing" power LED. In this state, you need to press the power button to actually turn the device on which is indicated by a solid LED color.

Network, Link, Cable LEDs

For the description of these, please see the section Quick test function

Connectors

The Ethernet port is for connecting to Ethernet cables and networks

The USB-C port is used for charging and wired software updates

The 3.5mm jack connector is reserved for future accessories

Flashlight function

With Pockethernet powered on, press the power button two times quickly to turn the flashlight function on or off. This will make all 4 LEDs light up with a bright light color. You can use it to locate cables and port in dark places like behind a rack or under a desk.

The app

The Pockethernet app allows to conduct tests and save the results as report The app consist of three main sections: Test, Report and Tools

Test tab

1. The test tab has a separate row for each measurement
2. You can expand and close the detail section of a test by clicking on the row
3. The switch icon in each row header represents 4 possible states
    4.
    - Measurement not selected to run
    - Measurement selected to run
    - Measurement in progress
    - Measurement finished and it's results OK:/

All performed tests with a green or red indicator will be included in the report. If you want to exclude a test from the report, disable the test.

If you want to re-run a single test, deselect and select it again and press the Measure button.

If you long press the Measure button, test will be repeated with the following logic: If only the Wiremap test (an no other tests) has been run previously, then Wiremap will be repeated. If any other tests than Wiremap have been run previoulsy, all of those will be repeated but not the Wiremap. The rationale is that for the Wiremap test, you need the the wiremap adapter attached, so you either want to perform Wiremap or Network tests.


Pocketthernet
test
report
tools
Connect
Wiremap
TDR
TDR Graph
PoE
Link
CDP/LLDP
VLAN
IPv4
Ping
External IP
Measure

Report tab

The report pane allows you to create and save new reports or list, review and export the already existing ones.

Here's sample report PDF.

Save report

Here you can create a report of the measurements performed in the test tab. All tests which are red or green in the test tab will be included. You can add additional details about the measurements such as:

- The user performing the tests
- Address, Location, Port ID
- Comment
- Add a relevant photo

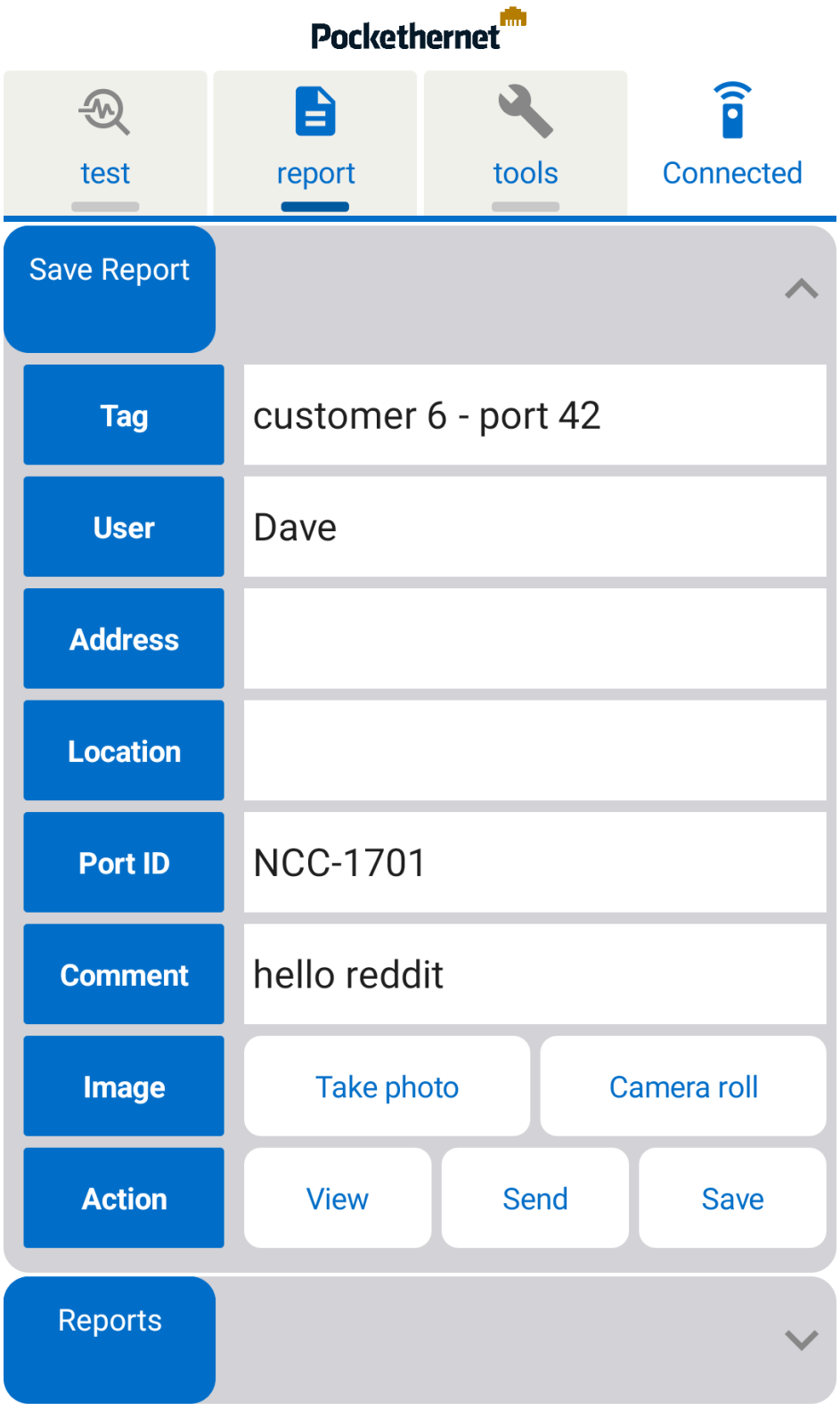
These will all be included in the report.

The "Tag" field is a special field as it will not only be included in the report, but also in the filename of the generated PDF document. You can use it to quickly identify a measurement or report. If you don't need too much detail about the measurement, specifying a tag may be enough for identification.

The filename under which the report will be saved is:

"Pockethernet <Date> <Time> - <Tag>".pdf

The report can be viewed directly, shared via any application that supports receiving files, or saved locally on your device.


Pocketheret
test
report
tools
Connected
Save Report
Tag
customer 6 - port 42
User
Dave
Address
Location
Port ID
NCC-1701
Comment
hello reddit
Image
Take photo
Camera roll
Action
View
Send
Save
Reports

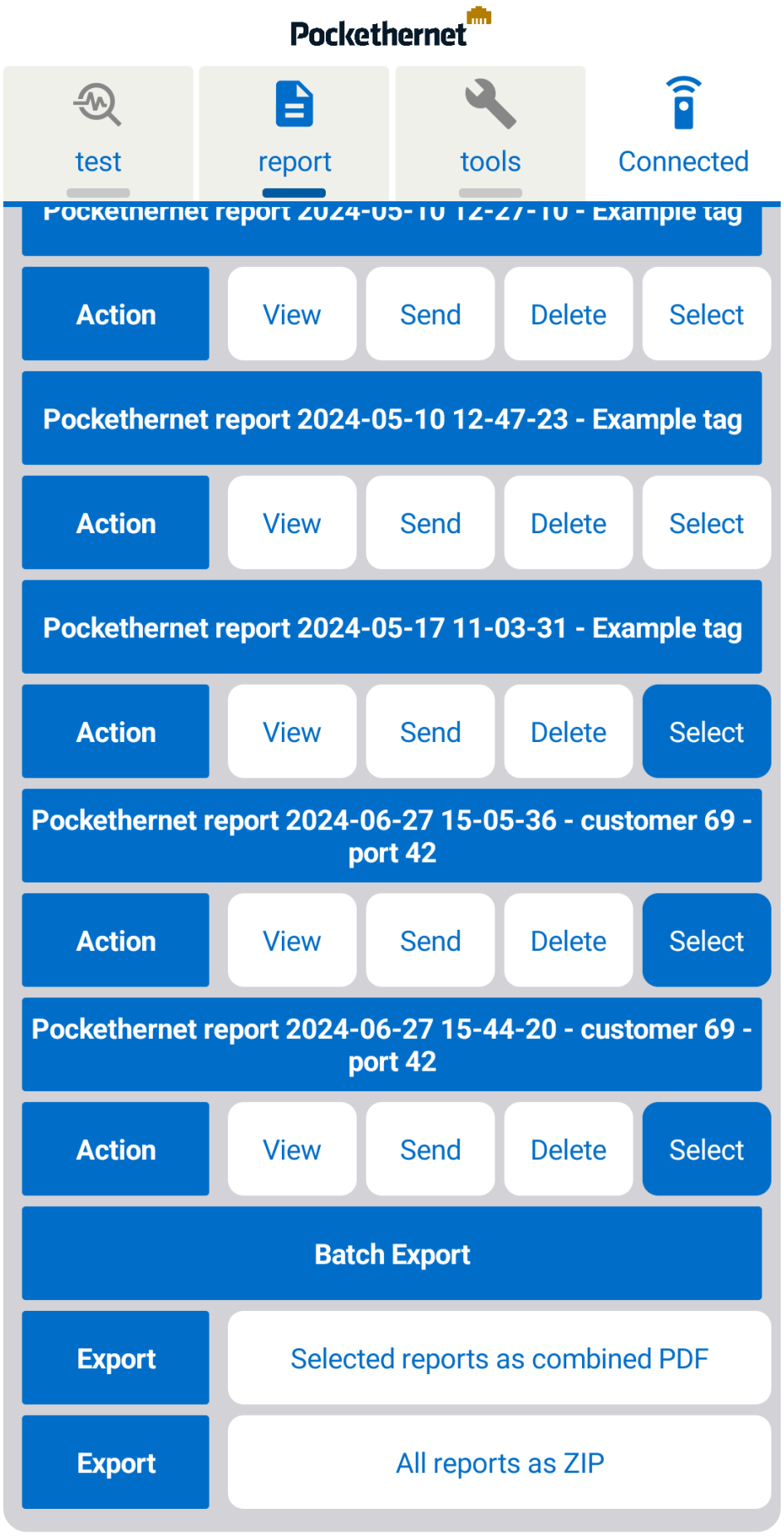
View reports

The View report subsection lists all your previously saved reports. Below the name of the report, you have four options in the "Action" row:

- View: Opens the report
- Send: Send the report via another application
- Delete: Delete the report from storage
- Select: Select the report to be included in the combined report

There are two batch export options on the bottom of the report list:

- Combined PDF: This creates a single PDF document from all reports selected above
- All reports as ZIP: This creates a ZIP file all all reports that are stored in the app. It will include the PDF files, the attached images as JPEG files and the raw measurement data in JSON format.

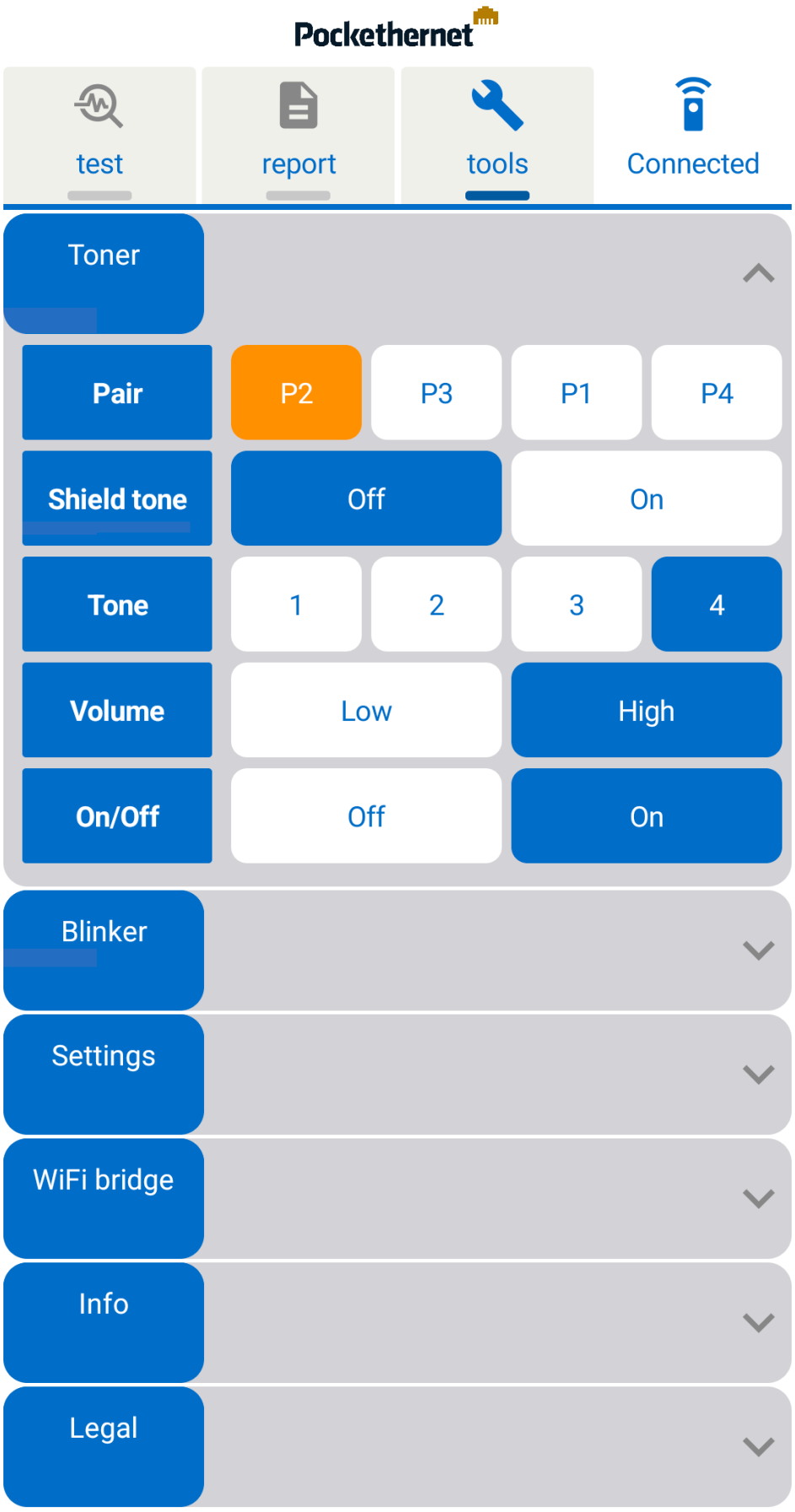

Pocketheret
test
report
tools
Connected
Pockethernet report 2024-05-10 12-27-10 - Example tag
Action
View
Send
Delete
Select
Pockethernet report 2024-05-10 12-47-23 - Example tag
Action
View
Send
Delete
Select
Pockethernet report 2024-05-17 11-03-31 - Example tag
Action
View
Send
Delete
Select
Pockethernet report 2024-06-27 15-05-36 - customer 69 - port 42
Action
View
Send
Delete
Select
Pockethernet report 2024-06-27 15-44-20 - customer 69 - port 42
Action
View
Send
Delete
Select
Batch Export
Export
Selected reports as combined PDF
Export
All reports as ZIP

Tools tab

The tools tab contains tools, settings and informations.

Cable toner

The toner function allows identification and tracking of cables via an electronic signal that can be picked up with a tone probe. You can use it to identify individual cables in a bundle, identify individual wire pairs and track their path in culverts and walls. You can select on which wire pair the signal should be transmitted, which tone should be used at what volume. You can use any analogue tone probe to pick up the signal.


Pockethernet
test
report
tools
Connected
Toner
Pair
P2
P3
P1
P4
Shield tone
Off
On
Tone
1
2
3
4
Volume
Low
High
On/Off
Off
On
Blinker
Settings
WiFi bridge
Info
Legal

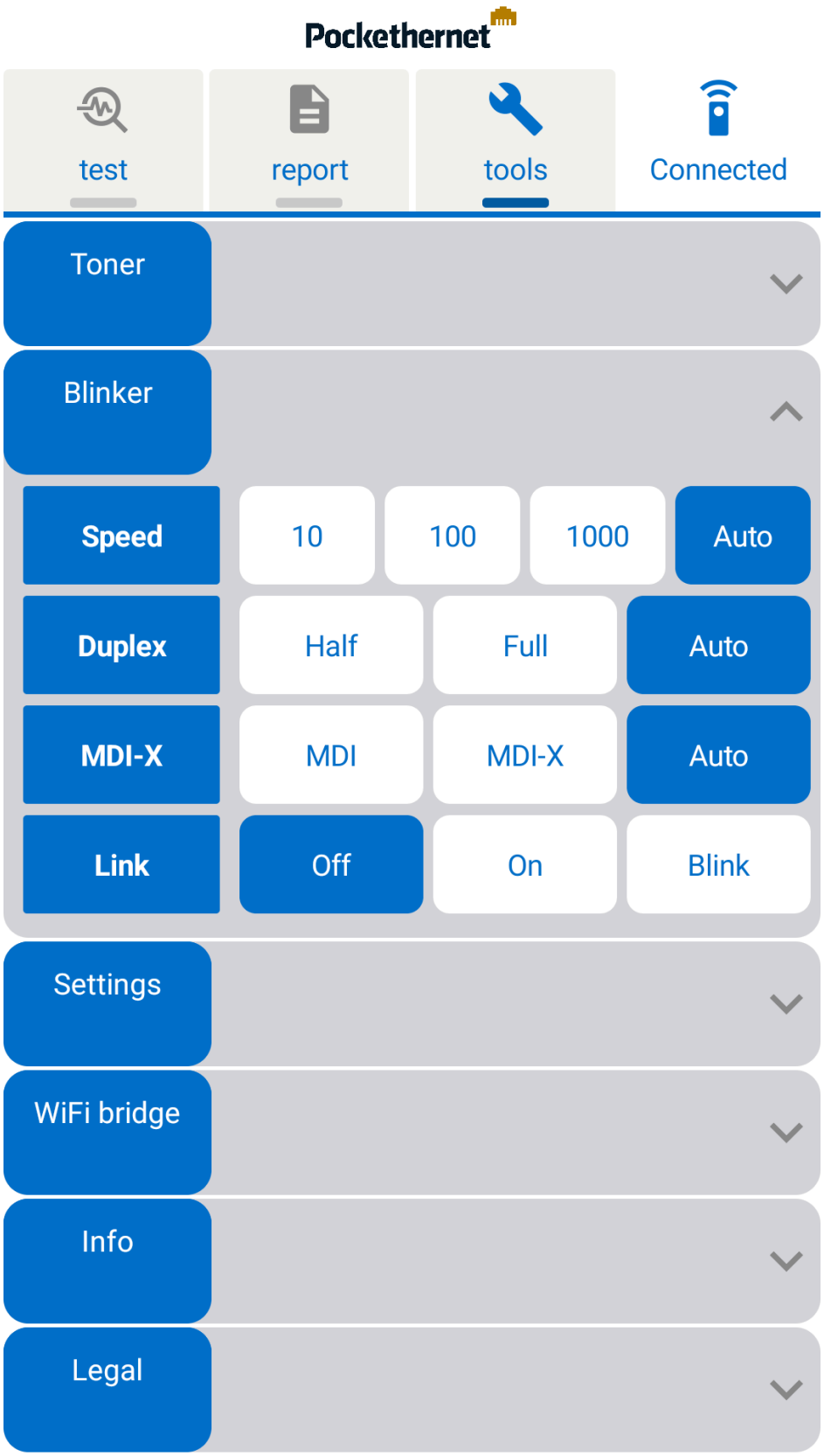
Port blinker

You can use the port blinker function to quickly identify a connection to a switch or router.

Set up the connection parameters and either set to "On" for a constant link or to "Blink" and look for the Link LED on the switch.

When using the Blink function, Pockethernet will repeatedly bring a link up and down, making the Link LED blink.

For switches which use a different color for low-speed links (e.g. orange instead of green), you can set the link speed to 10/100 Mbit so that it's even more easy to identify the connection.


Pocketthernet
test
report
tools
Connected
Toner
Blinker
Speed
10
100
1000
Auto
Duplex
Half
Full
Auto
MDI-X
MDI
MDI-X
Auto
Link
Off
On
Blink
Settings
WiFi bridge
Info
Legal

Settings

Here you can set the following general settings:

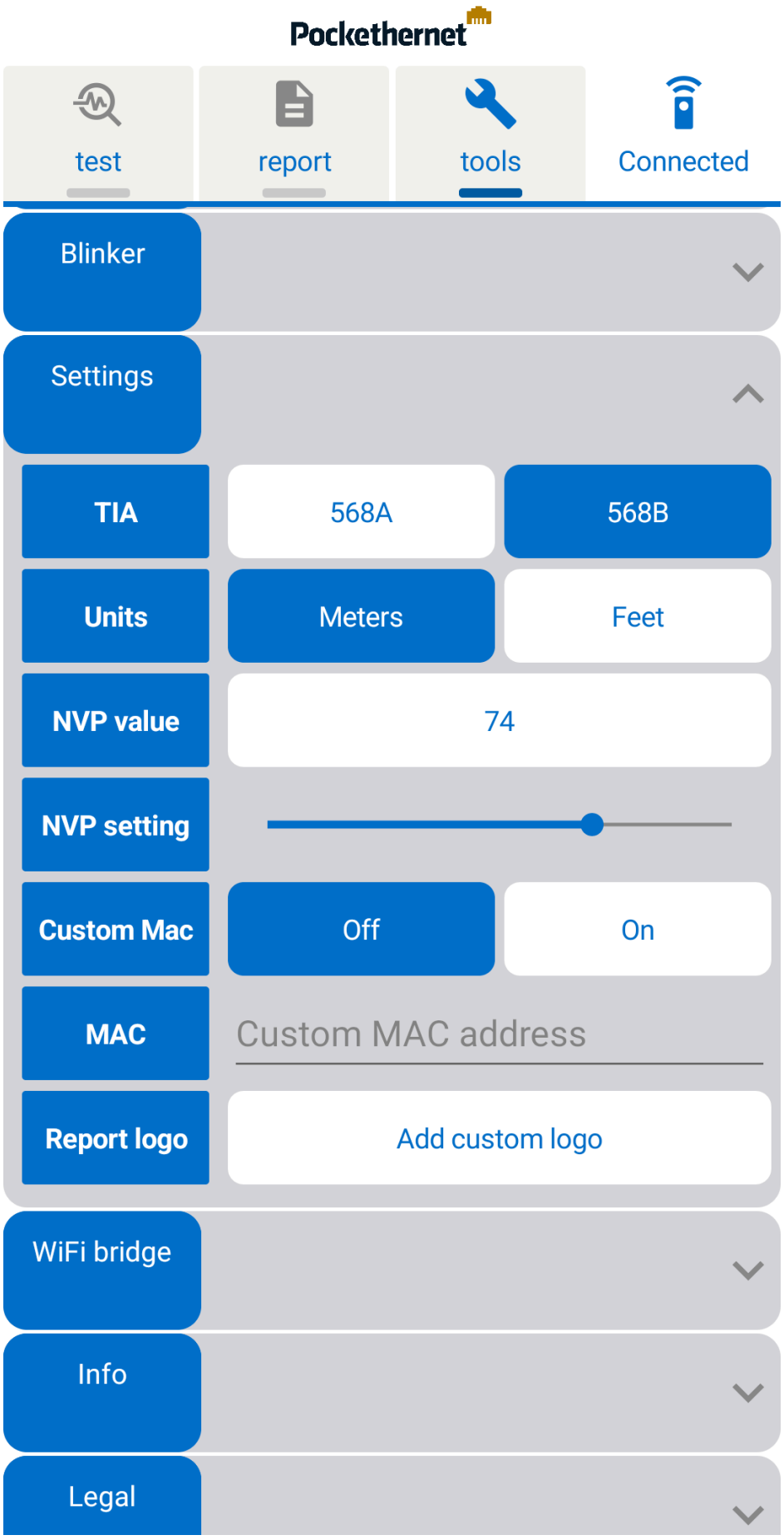
TIA: Set the color scheme and pair numbering according to the TIA-568 A or B standard

Units: Distance units for the TDR measurements

NVP: Set the NVP of the cable use are using for more accurate TDR results

Custom MAC: You can set a custom MAC address to be used by the Pockethernet device during Ethernet communication in case it is needed for e.g. access control reasons

Report logo: Add your own logo to the top left corner of reports generated. The recommended size is 1013x200 pixels.

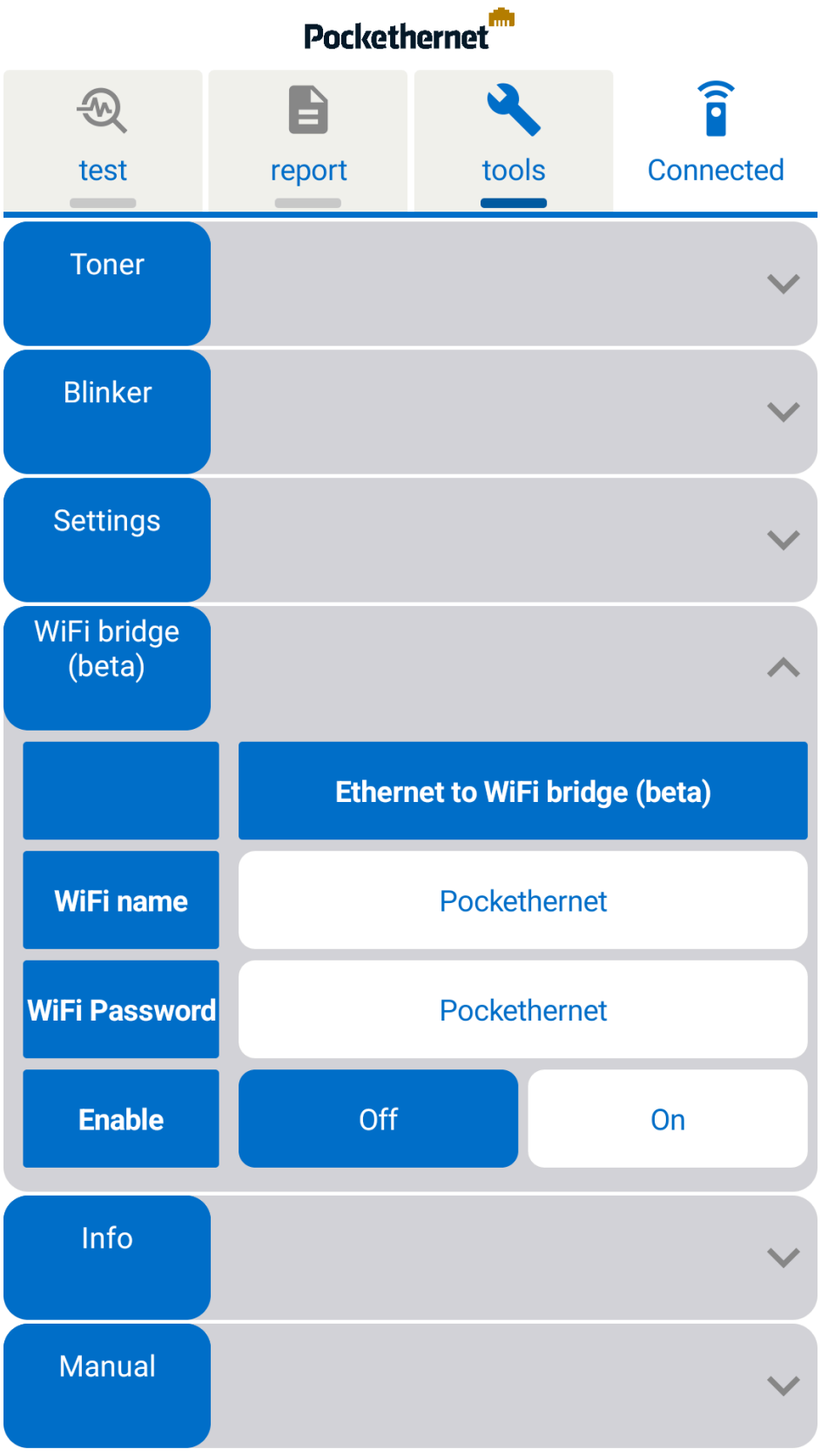

Pocketthernet
test
report
tools
Connected
Blinker
Settings
TIA
568A
568B
Units
Meters
Feet
NVP value
74
NVP setting
Custom Mac
Off
On
MAC
Custom MAC address
Report logo
Add custom logo
WiFi bridge
Info
Legal

WiFi bridge (beta, experimental function)

The WiFi bridge function allows you to use Pockethernet as a mobile WiFi router which creates a transparent WiFi bridge to the Ethernet network.

This allows you to connect WiFi devices (e.g. your smartphone) "directly" to the Ethernet network.

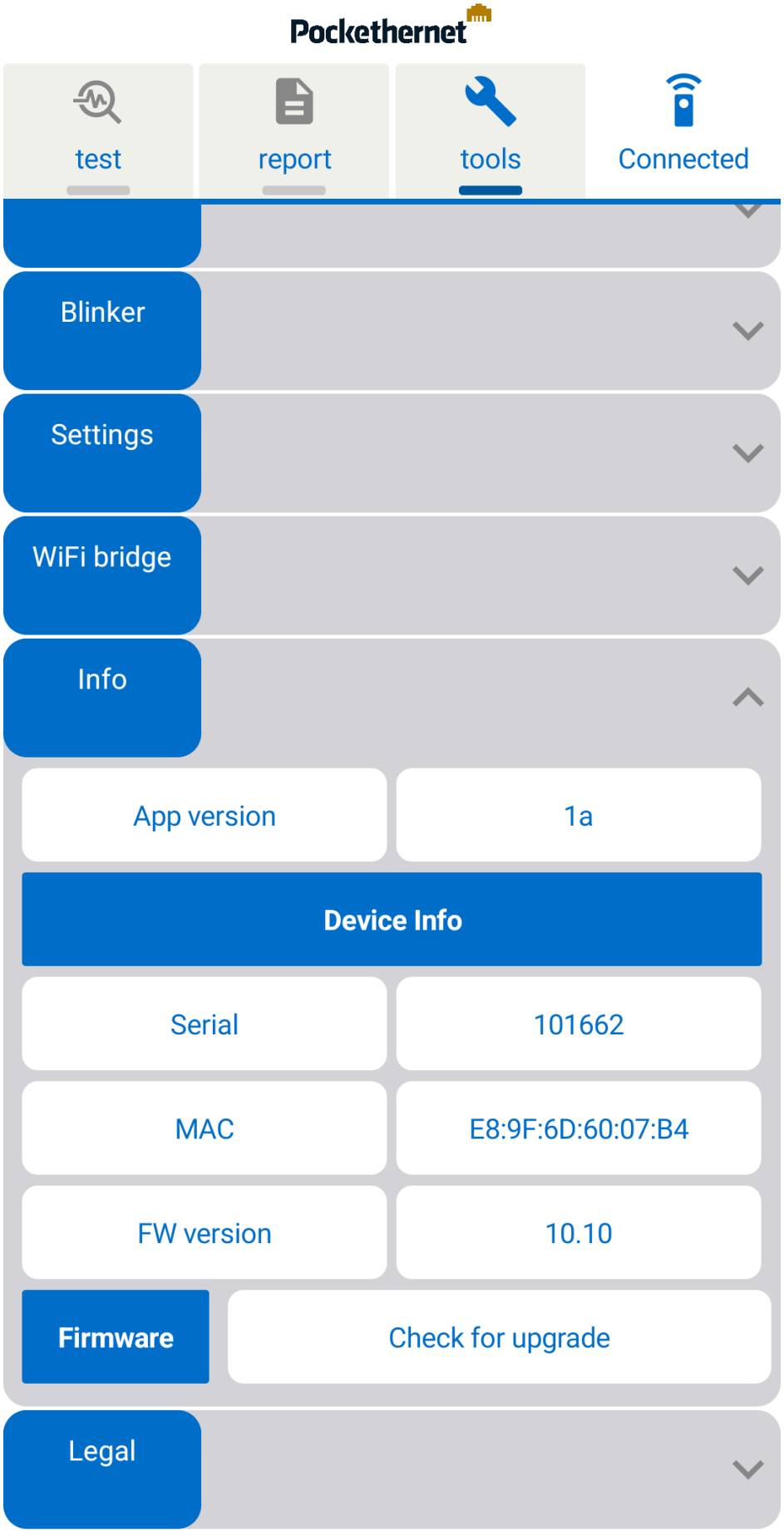
Using this functionality, you can do further network level tests with other apps (e.g. testing networked printers, using network discovery apps, etc.) or set up devices (e.g. provision network devices or IP cameras).


Pockethernet
test
report
tools
Connected
Toner
Blinker
Settings
WiFi bridge (beta)
Ethernet to WiFi bridge (beta)
WiFi name
Pockethernet
WiFi Password
Pockethernet
Enable
Off
On
Info
Manual

Pocketethernet device information

You can check the device serial number, default MAC address and firmware version.

Firmware upgrade: You can check for available firmware upgrades and apply them to the device. The Pocketethernet device needs to be connected to an Internet connection via Ethernet for it to be able to download the upgrade image.


Pocketthernet
test
report
tools
Connected
Blinker
Settings
WiFi bridge
Info
App version
1a
Device Info
Serial
101662
MAC
E8:9F:6D:60:07:B4
FW version
10.10
Firmware
Check for upgrade
Legal

Measurements

Wiremap

Wiremap adapter required for the test:

The wiremap test requires the Pockethernet Wiremap Adapter to be connected to the other end of the tested cable run. Pockethernet is only compatible with its own wiremap adapters. If you perform a wiremap measurement against a connected Ethernet port, you will probably get short circuits displayed because of the Ethernet port termination transformer.

The wiremap test determines (by transmitting signals through each wire) if a pin on a connector is connected to the correct pin at the other end.

The status summary line tells you the type of calbe connected or the fault.

These configurations will be listed as OK with a green indicator:

- 4-pair straight through
- 4-pair full crossover (all 4 pairs crossed)
- 4-pair mixed crossover (2 pairs crossed, 2 pairs straight)
- 2-pair straight
- 2-pair crossover

Any other configuration will be marked as Miswire with a red indicator

The graphical wiring diagram shows the status of each individual wire: the corresponding connected pin is shown on the right side. In case of short circuits between the wires, these are shown with a red vertical connection, opens are shown in the middle as a break in the line.

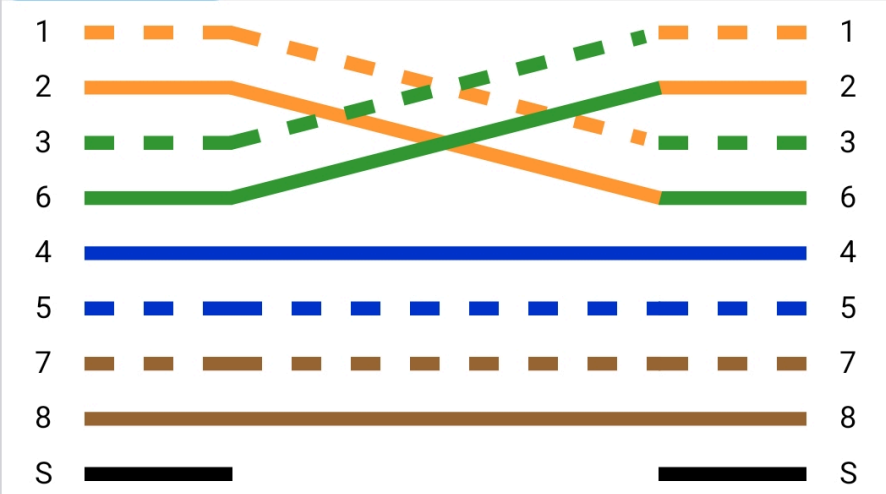
The pair numberings and colors are based on the TIA colour scheme selected in the tools ⇒ settings menu. To get a valid result, you need the have the Pockethernet terminator adapter with the "Wiremap" side attached to the other end of the cable. Pockethernet is only compatible with its own Wiremap adapters.

Wiremap adapters are available different IDs to map multiple ports in one go.

Pocketthernet

test | report | tools | Connected

Wiremap — 4-pair mixed crossover



Wiremap ID: 1

TDR

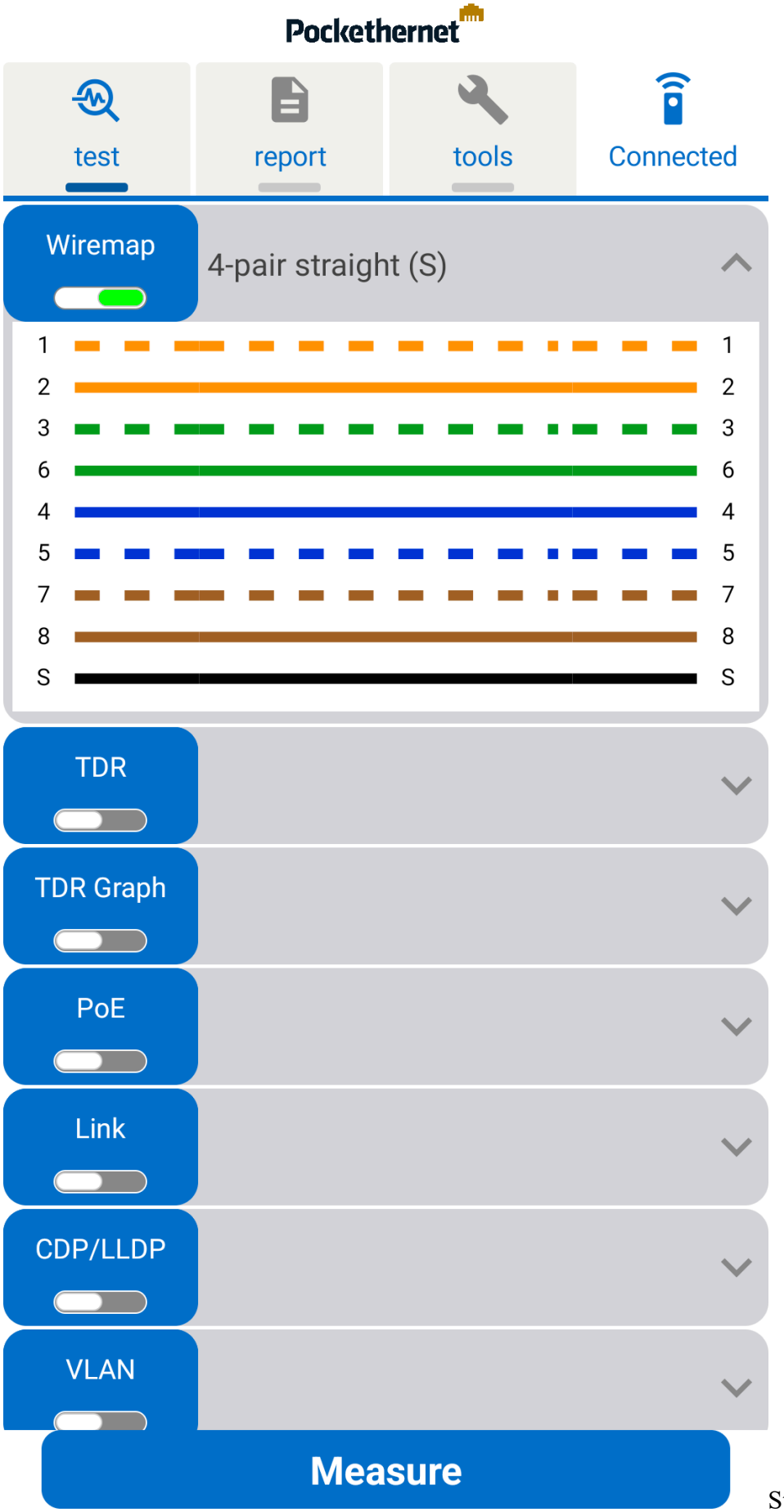
TDR Graph

PoE

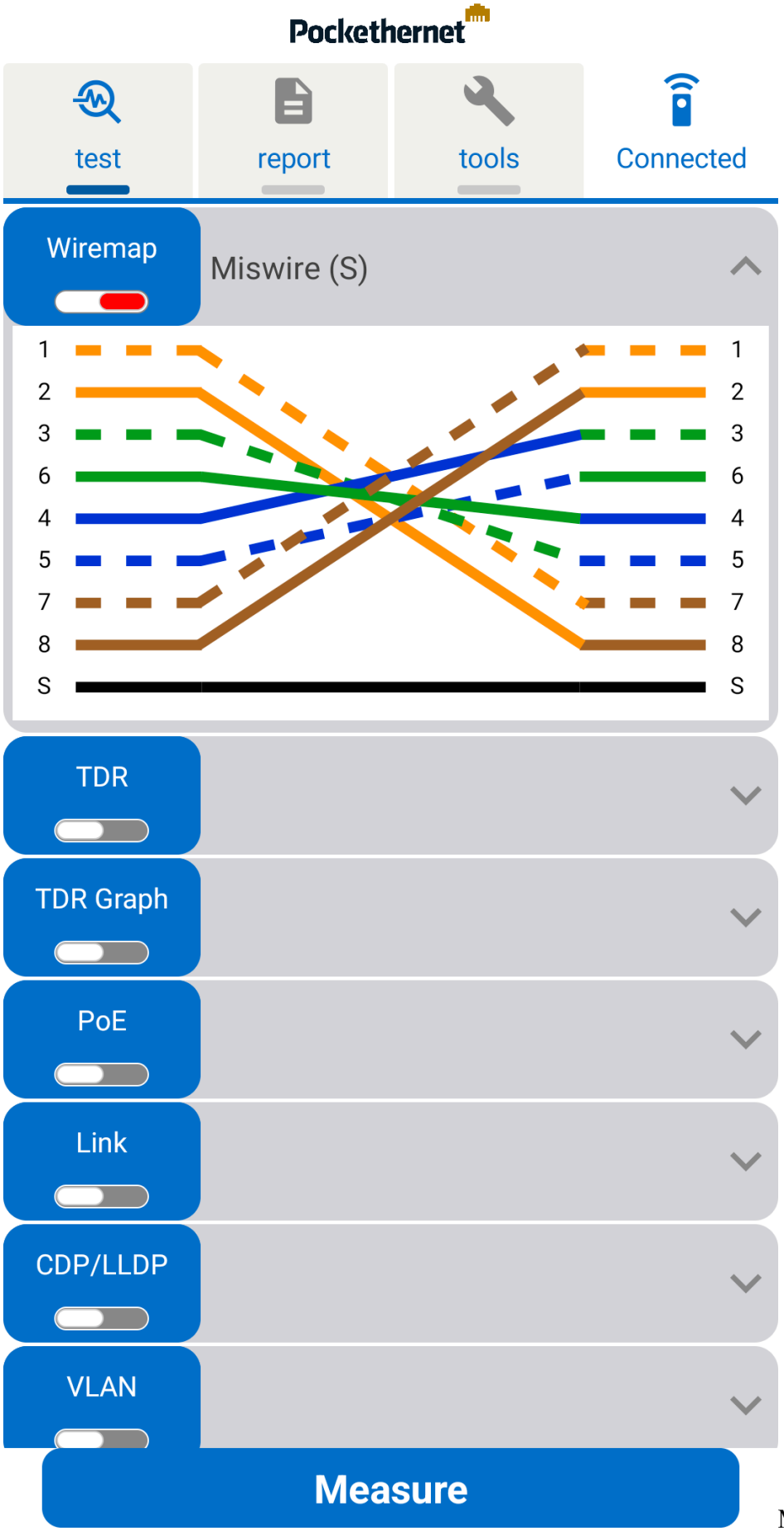
Link

CDP/LLDP

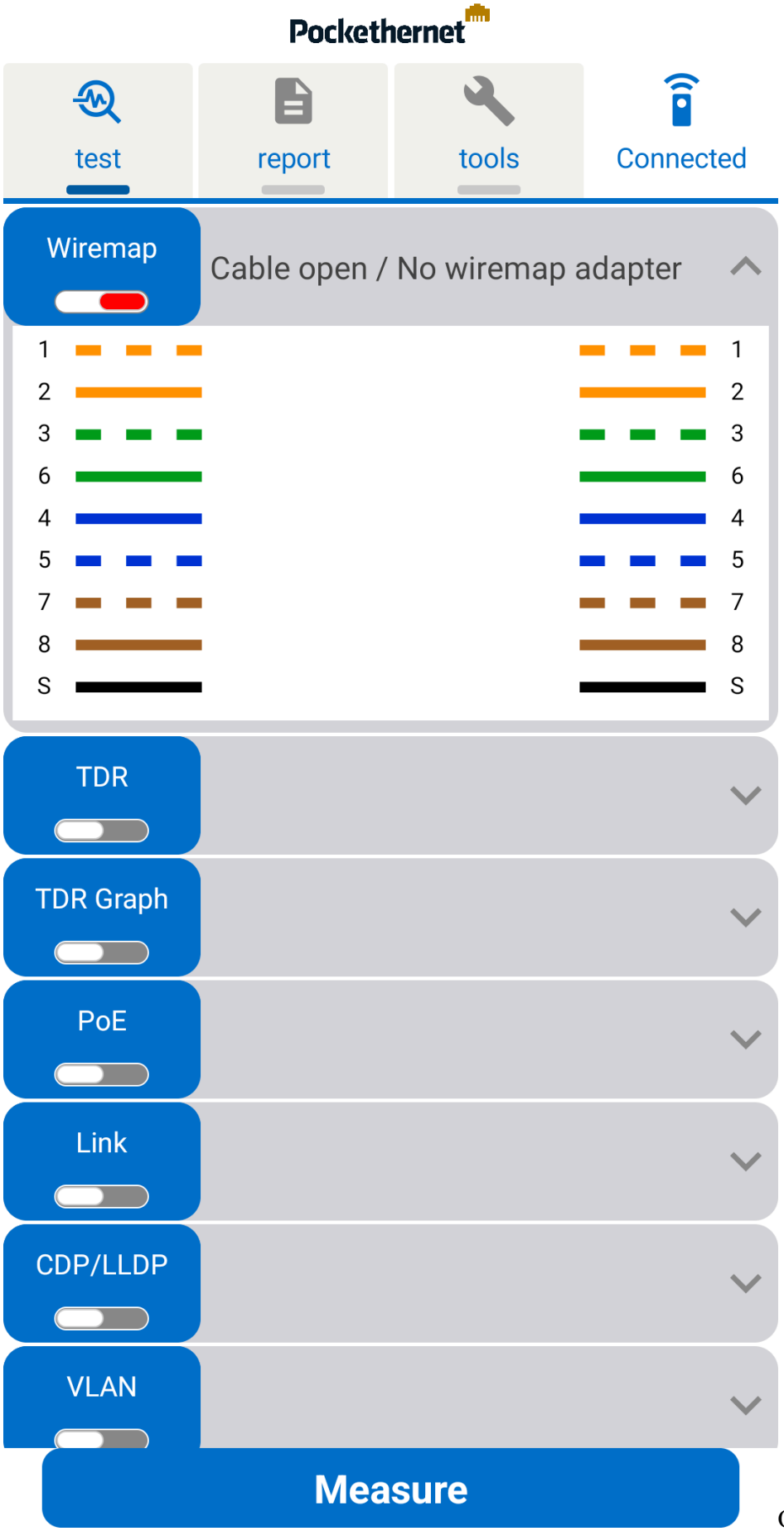
Measure



Straight trough cable



Miswired cable


Pocketthernet
test
report
tools
Connected
Wiremap
Cable open / No wiremap adapter
1
2
3
6
4
5
7
8
S
TDR
TDR Graph
PoE
Link
CDP/LLDP
VLAN
Measure

Open cable

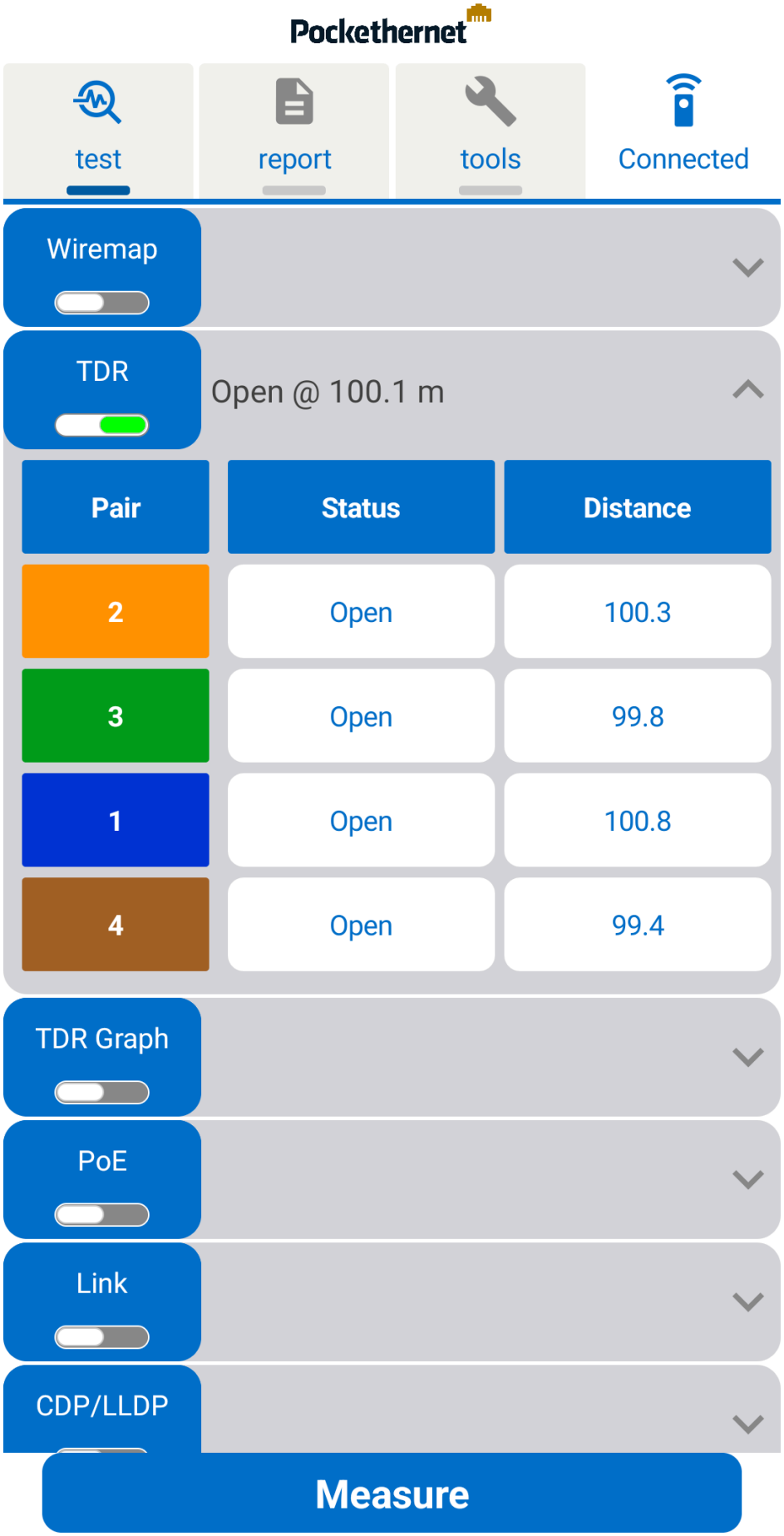
TDR

The TDR-based, single ended length measurement and fault locating tests the physical properties of a cable, with just one end connected to Pockethernet. See how long the cable is and if there are any short circuits or bad terminations. Pockethernet also detects if the cable is connected to a switched off computer or switch.

The main status line shows the overall result of the measurement if each pair in the cable is terminated the same way (e.g. all pairs are open or connected). Else, it will display "Mixed results".

Status	**Result interpretation**
Open	Cable per not connected to anything
Short circuit	There's a short circuit somewhere in the cable
Terminated	Cable is connected to a Ethernet port

The TDR measurements have an inaccuracy of up to 2% or +/- 2m(6ft) in addition to any NVP differences.


Pocketthernet
test
report
tools
Connected
Wiremap
TDR
Open @ 100.1 m
Pair
Status
Distance
2
Open
100.3
3
Open
99.8
1
Open
100.8
4
Open
99.4
TDR Graph
PoE
Link
CDP/LLDP
Measure

When measuring on an active Ethernet port, the results will be invalid. This is because an active Ethernet port continously transmits signals which interfere with the TDR measurement.

The NVP (Nominal velocity propagation) of the cable can be set in the Settings.

The length cannot be determined if the cable is connected to another Ethernet port, as a properly terminated connection doesn't provide signal reflections that can be reliably measured. You may want to have a look at the TDR Graph where you may be able to identify a small impedance bump as the other Ethernet port.

TDR Graph

This features allows you to see the imperfections of a cable along its whole length. A short electrical pulse is sent down the cable, which is reflected from imperfections (short circuits, split pairs, impedance mismatches, open ends) or absorbed by proper termination (e.g. another ethernet port).

The results of the TDR graph test need some expertise to evaluate. Generally, an impedance mismatch value above +/-20 indicates a cable imperfection that can influece signal and connection quality.

Impedance mismatch type	**Result interpretation**
Positive	Reflection from open ends
Negative	Reflection from shorted ends

The crosstalk graph gives information about any locations with crosstalk issues.

Pocketheternet

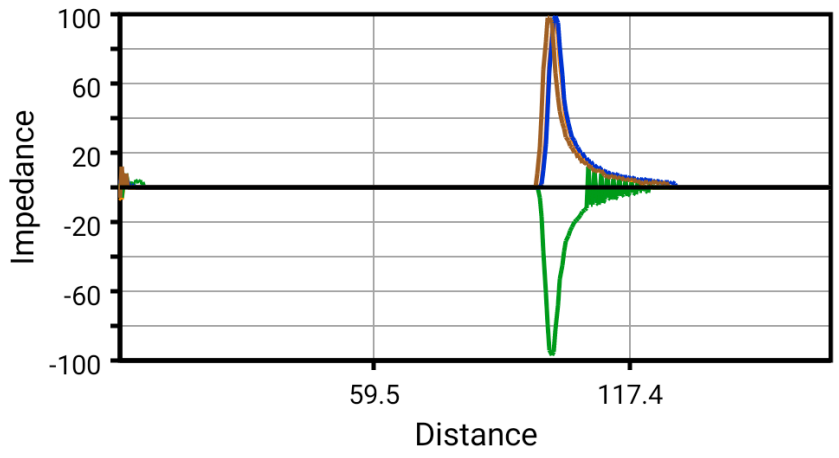
test | report | tools | Connected

TDR

Mixed results

Pair	Status	Distance
2	Open	100.3
3	Short	99.8
1	Open	100.8
4	Open	99.4

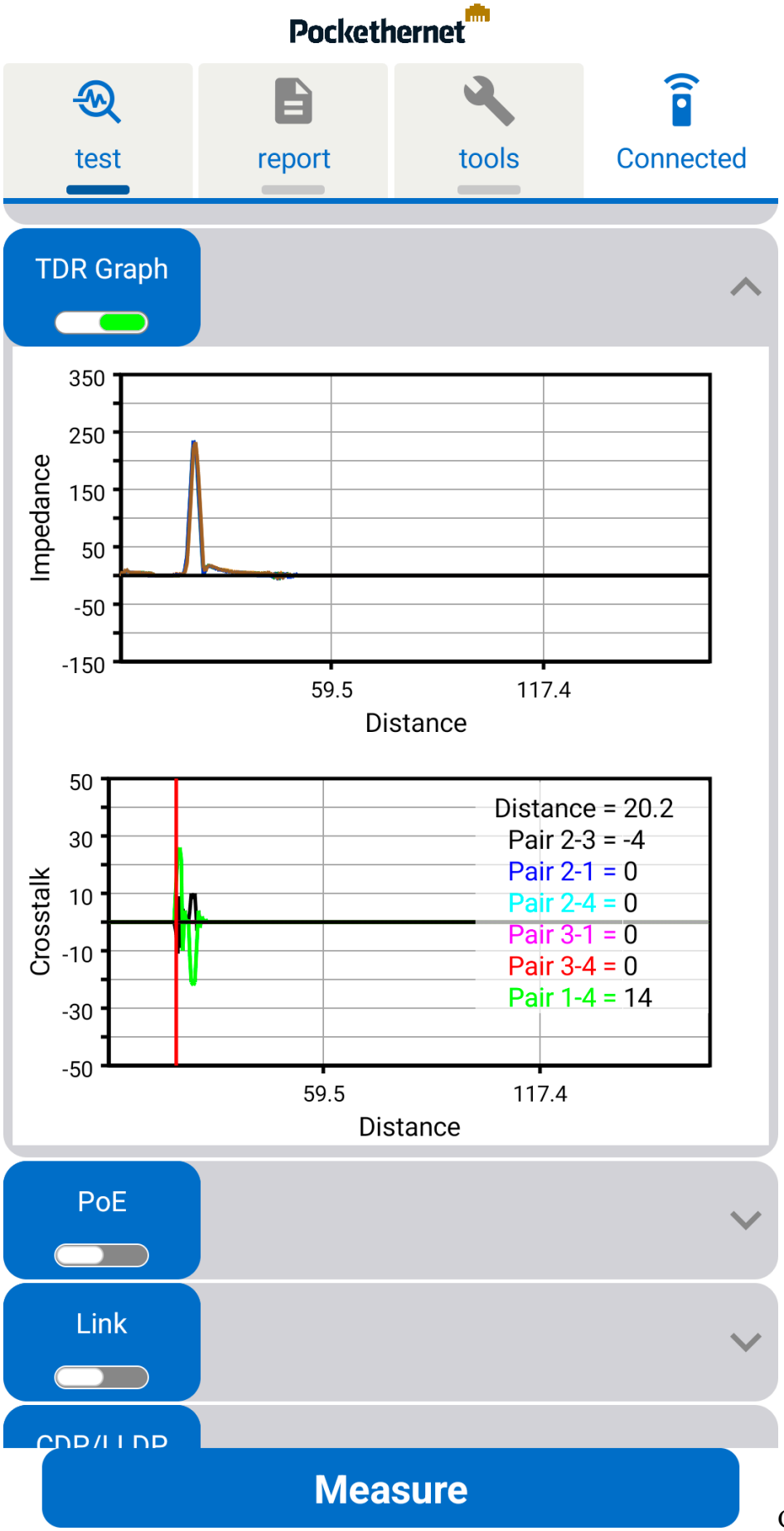
TDR Graph



Measure

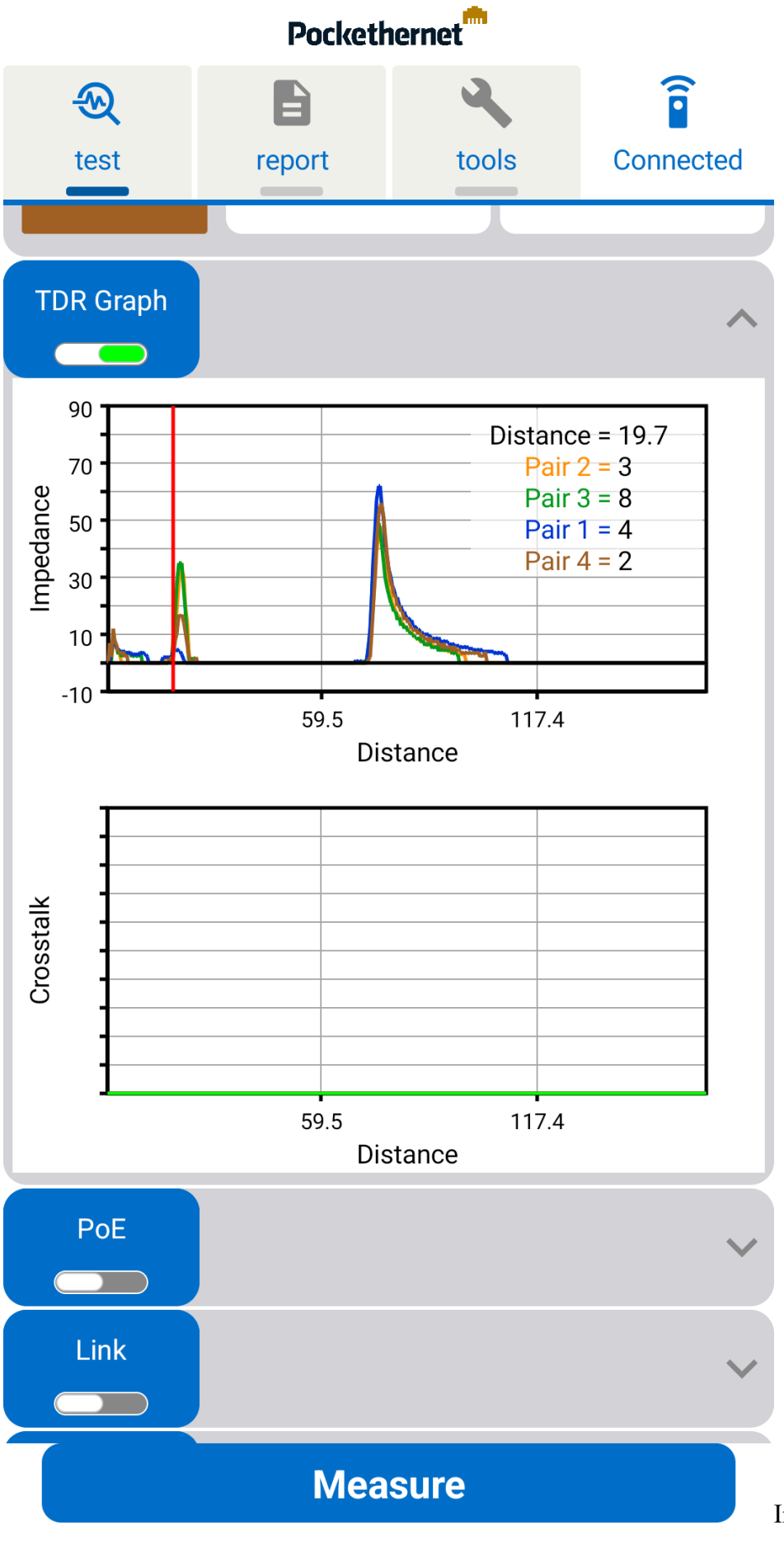
When measuring on an active Ethernet port, the results will be invalid. This is because an active Ethernet port continously transmits signals which interfere with the TDR measurement.

Example diagnoses using the TDR graph function:



Cable with increased

crosstalk at its end (20m) due to a split cable


Pocketherne
test
report
tools
Connected
TDR Graph
90
70
50
30
10
-10
Impedance
Distance = 19.7
Pair 2 = 3
Pair 3 = 8
Pair 1 = 4
Pair 4 = 2
59.5
117.4
Distance
Crosstalk
59.5
117.4
Distance
PoE
Link
Measure

Impedance

mismatch caused by a Cat5 back-to-back Ethernet coupler connecting a 20m and a 50m Cat6 cable

Power over Ethernet (PoE) test

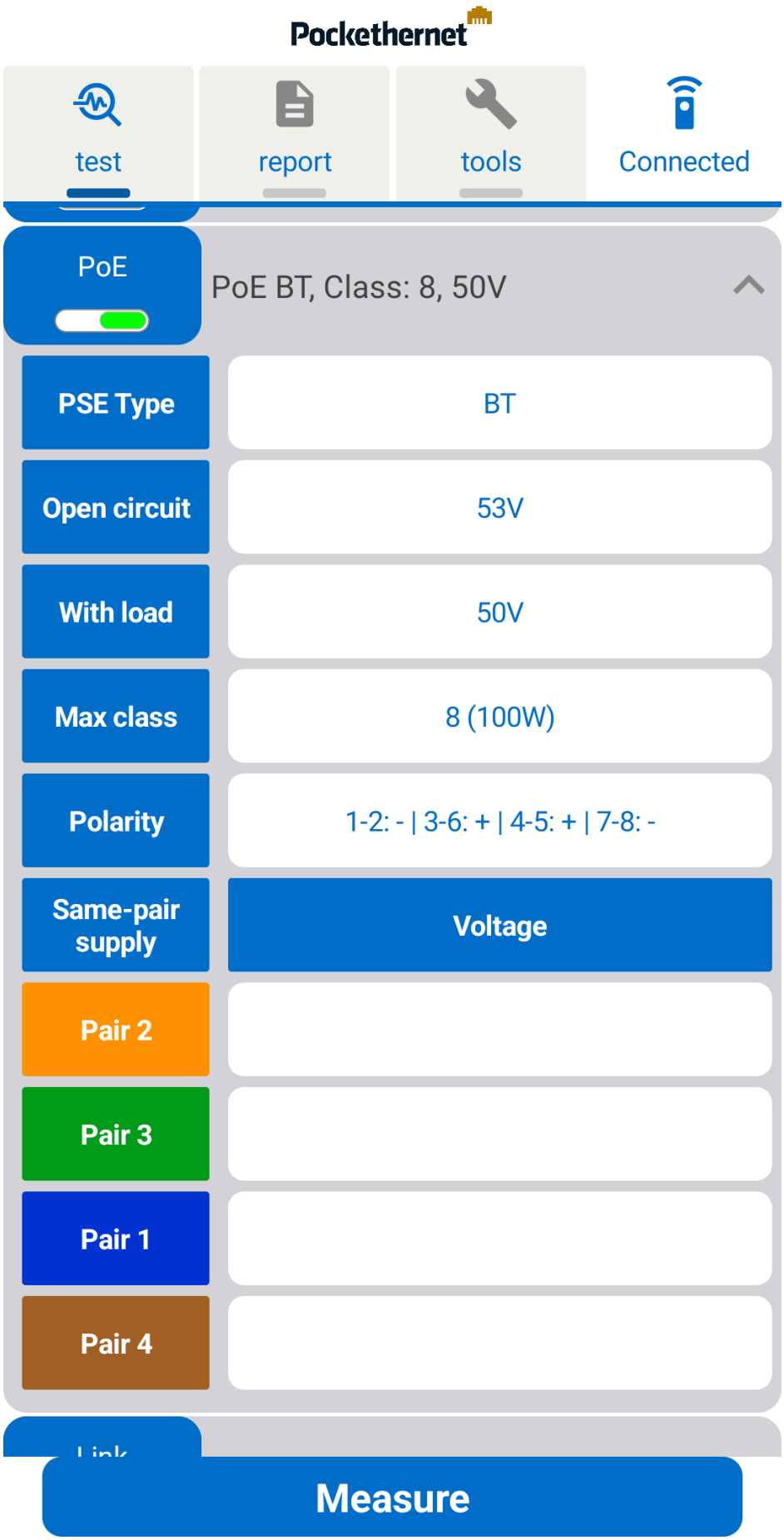
This test verifies the presence of PoE supply on the cable. It detects standard 802.3 AF/AT/BT supplies and passive 'always-on' supplies.

The PSE type is determined along with the open circuit and loaded voltage while also establishing the maximum power class supported/allowed by the PSE.

The test will indicate an error if:

- The open/load voltage is below 37V for an AF/AT power supply
- The open/load voltage is below 42V for a BT power supply
- The difference between the Mode A / Mode B voltage is greater than 10%

The Pockethernet PoE test handles only hardware PoE negotiation. This determines the maximum (up to 802.3bt Type 4 / Class 8) power the PSE supplies based on hardware signatures. Some PoE Power Supplies (PSEs) only provide Class 3 power upon hardware negotiation and require CDP or LLDP negotiation for higher classes.


Pocketthernet
test
report
tools
Connected
PoE
PoE BT, Class: 8, 50V
PSE Type
BT
Open circuit
53V
With load
50V
Max class
8 (100W)
Polarity
1-2: - | 3-6: + | 4-5: + | 7-8: -
Same-pair supply
Voltage
Pair 2
Pair 3
Pair 1
Pair 4
Measure

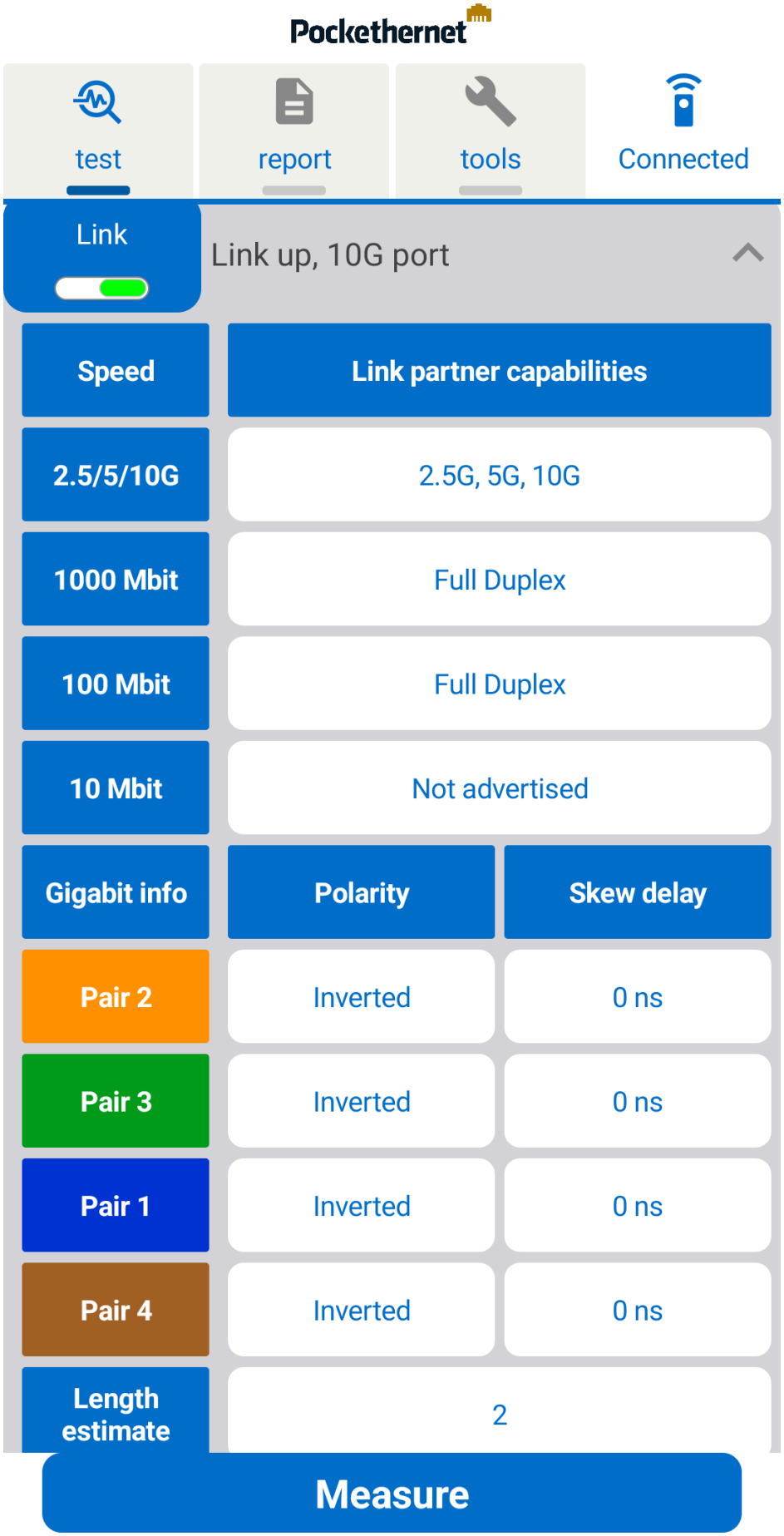
Link test

This test determines if an Ethernet link can be established and what the highest achievable speed is.

If an 1000BASE-T link can be established, the details section will provide information about each link speed advertised by the Ethernet link partner, the polarity of each wire pair and the skew delay for each pair.

The delay skew should be below 56ns per 100m of cable.

The length estimate is calculated based on the link training parameters and gives a very rough estimate (at least +/- 20m error) of the equivalent CAT 5e cable length. Ideally, this shouldn't exceed 100m.

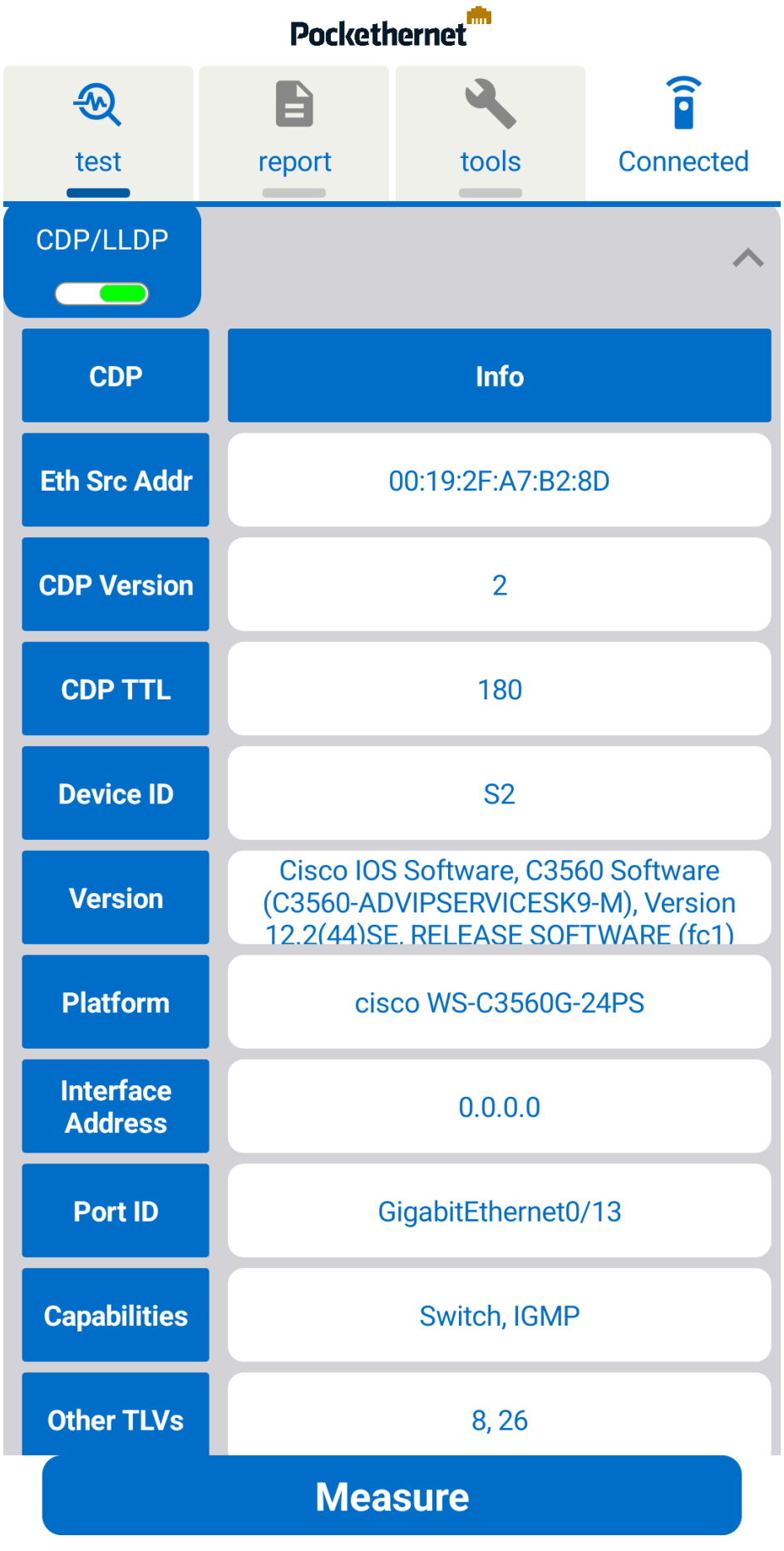

Pocketthernet
test
report
tools
Connected
Link
Link up, 10G port
Speed
Link partner capabilities
2.5/5/10G
2.5G, 5G, 10G
1000 Mbit
Full Duplex
100 Mbit
Full Duplex
10 Mbit
Not advertised
Gigabit info
Polarity
Skew delay
Pair 2
Inverted
0 ns
Pair 3
Inverted
0 ns
Pair 1
Inverted
0 ns
Pair 4
Inverted
0 ns
Length estimate
2
Measure

The supported link speeds will be detected by analyzing the Ethernet autonegotiation signaling, up to 10GBASE-T. Pockethernet can only detect speeds actually advertised by a port. The maximum speed at which Pockethernet will establish a link for link-up testing is 1000BASE-T. Actual Ethernet communication for DHCP, ping, etc. will be performed over a 10/100 link.

CDP / LLDP test

When activated, Pockethernet waits for up to 30 seconds after link establishment to receive CDP or LLDP packages.

These diagnostic packages contain information about the connected switch or router, like the physical port ID Pockethernet is connected to, the system name or management IP address. Information fields, called TLVs of the received packet are listed in the details section of this measurement.

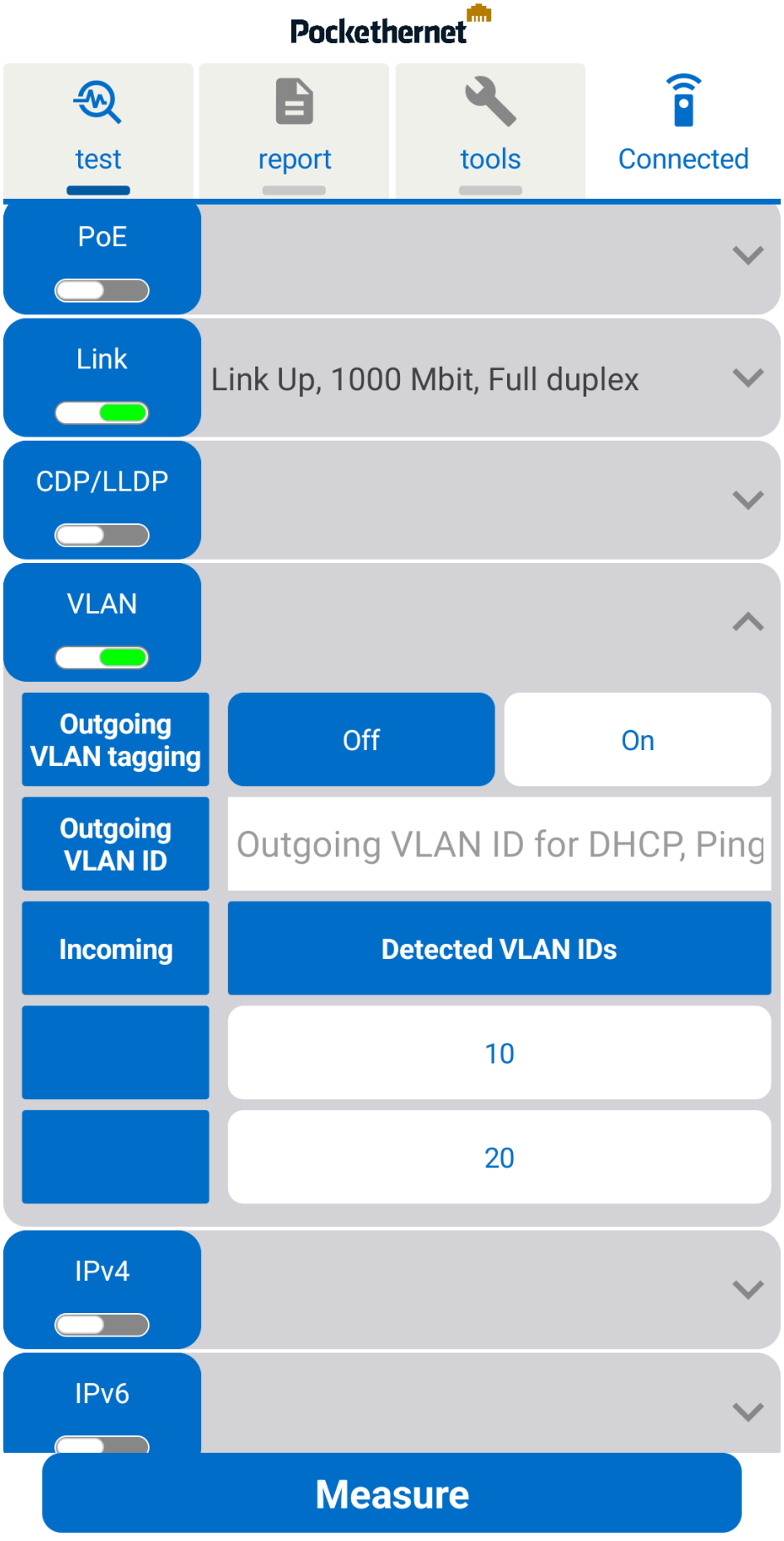

Pocketthernet
test
report
tools
Connected
CDP/LLDP
CDP
Info
Eth Src Addr
00:19:2F:A7:B2:8D
CDP Version
2
CDP TTL
180
Device ID
S2
Version
Cisco IOS Software, C3560 Software (C3560-ADVIPSERVICESK9-M), Version 12.2(44)SE, RELEASE SOFTWARE (fc1)
Platform
cisco WS-C3560G-24PS
Interface Address
0.0.0.0
Port ID
GigabitEthernet0/13
Capabilities
Switch, IGMP
Other TLVs
8, 26
Measure

VLAN test

The VLAN test can be used to see any VLANs active on the port or to set the VLAN tags for outgoing packets.

When activated, Pockethernet will wait for 30 seconds for incoming packets and list any detected VLAN tags.

If "Outgoing VLAN tagging" is enabled, any outgoing packets from Pockethernet (DHCP request, Ping, ExtIP) will be tagged so that they are communicated through a specific VLAN.


Pocketthernet
test
report
tools
Connected
PoE
Link
Link Up, 1000 Mbit, Full duplex
CDP/LLDP
VLAN
Outgoing VLAN tagging
Off
On
Outgoing VLAN ID
Outgoing VLAN ID for DHCP, Ping
Incoming
Detected VLAN IDs
10
20
IPv4
IPv6
Measure

IPv4 (DHCPv4) test

This section allows you to test the networks DHCP settings and make Pockethernet request its IPv4 configuration via DHCP, or you can set up static IPv4 settings to be used for the following tests.

Pockethernet will wait for 30 seconds for a DHCP request to succeed.

IPv4

IP: 10.42.0.168

IPv4 mode	Static	DHCPv4
	DHCPv4 details	
Your IP	10.42.0.168	
Subnet Mask	255.255.255.0	
DNS	10.42.0.1	
Eth Src Addr	E8:6A:64:35:43:35	
IP Src Addr	10.42.0.1	
Relay IP	0.0.0.0	
Server ID	10.42.0.1	
Broadcast	10.42.0.255	
Filename		
Server name		

IPv6 (SLAAC/DHCPv6) test

With this test, you can see if IPv6 SLAAC (stateless autoconfiguration) or DHCPv6 is available on the network.

Pockethernet will wait for 30 seconds any Router Advertisement messages needed to establish IPv6 parameters.

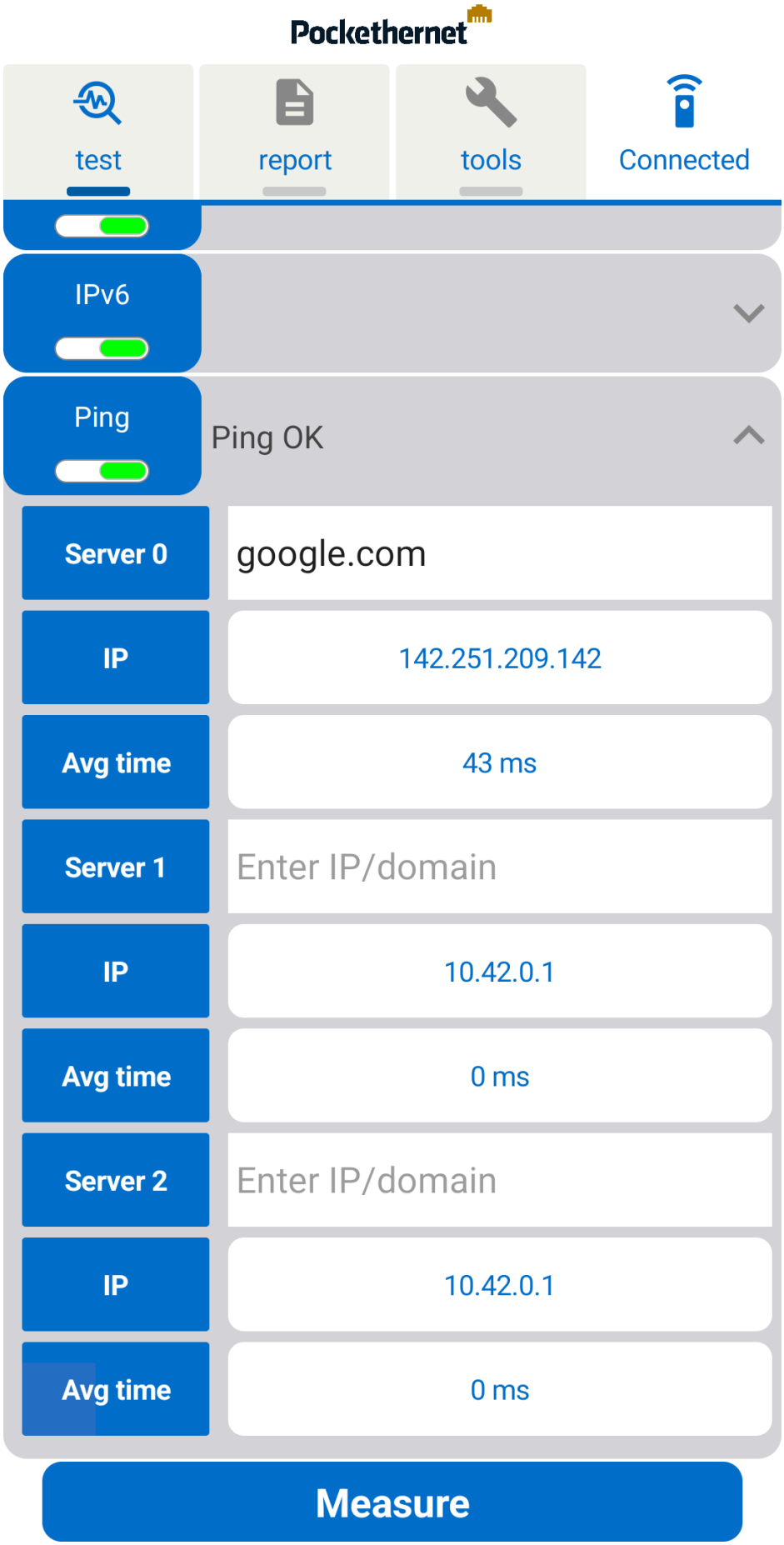

Pocketthernet
test
report
tools
Connected
IPv4
IP: 10.42.0.168
IPv6
IPv6
SLAAC
DHCPv6
ND6 SLAAC
Eth Src Addr
E8:6A:64:35:43:35
Source IP
FE80::E138:CE23:36D2:2923
Destination IP
FF02::01
Cur Hop Limit
0
Management flags
M/O flags not set
Router lifetime
900
DHCPv6
Ping
Ping OK
Measure

Ping test

You can perform ping tets for up to three IP address or domain names

The results include the pinged IP address (so that this test can also be used for DNS resolution) and the average ping time of 3 measurements.

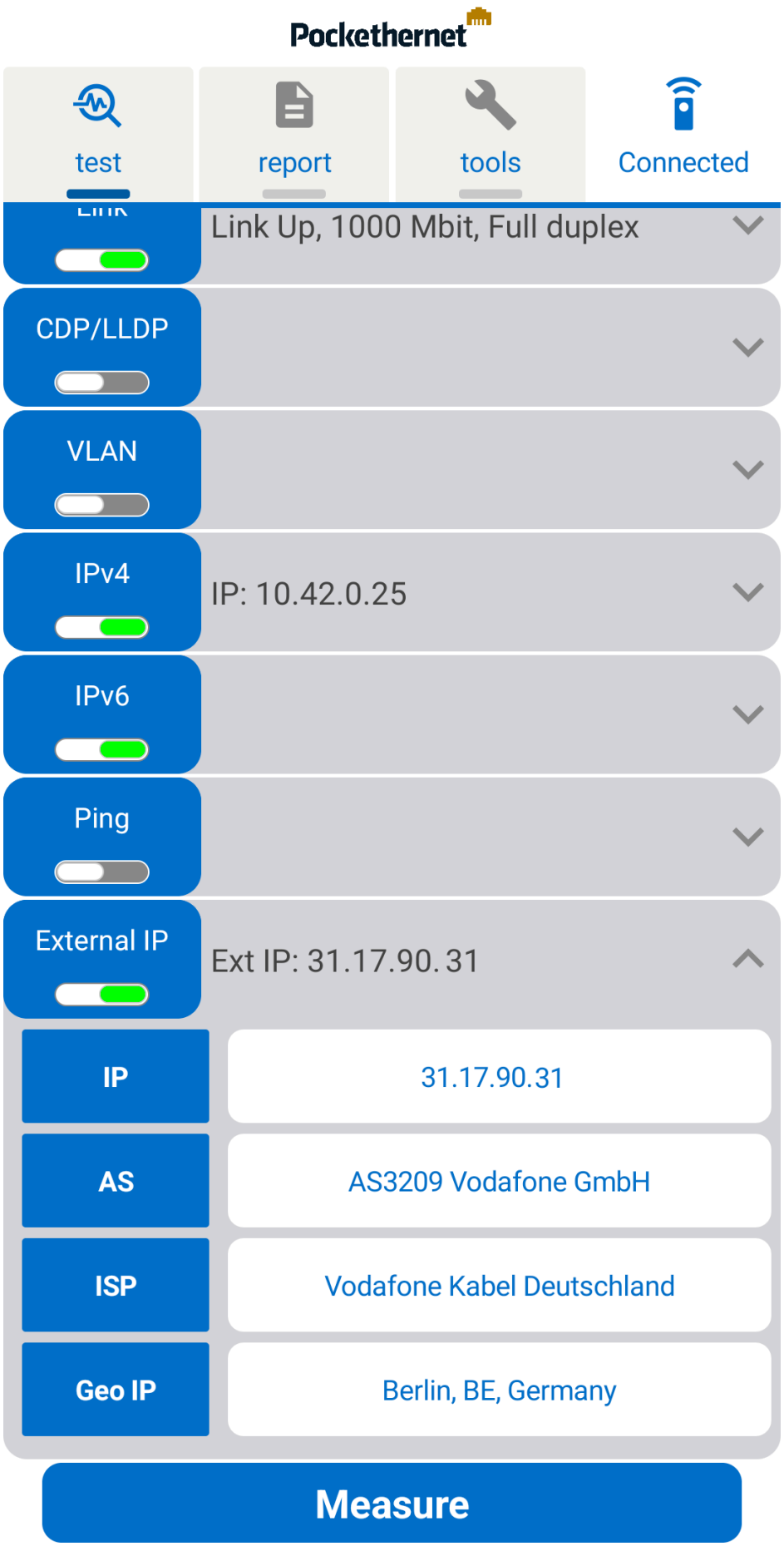
If the ping test is requested, but no addresses are specified, Pockethernet will ping by default (1) the DHCP server, (2) the gateway, (3) the DNS server.


Pocketethernet
test
report
tools
Connected
IPv6
Ping
Ping OK
Server 0
google.com
IP
142.251.209.142
Avg time
43 ms
Server 1
Enter IP/domain
IP
10.42.0.1
Avg time
0 ms
Server 2
Enter IP/domain
IP
10.42.0.1
Avg time
0 ms
Measure

External IP test

With this test, you can check for an Internet connection and see the external IP address of the connection.

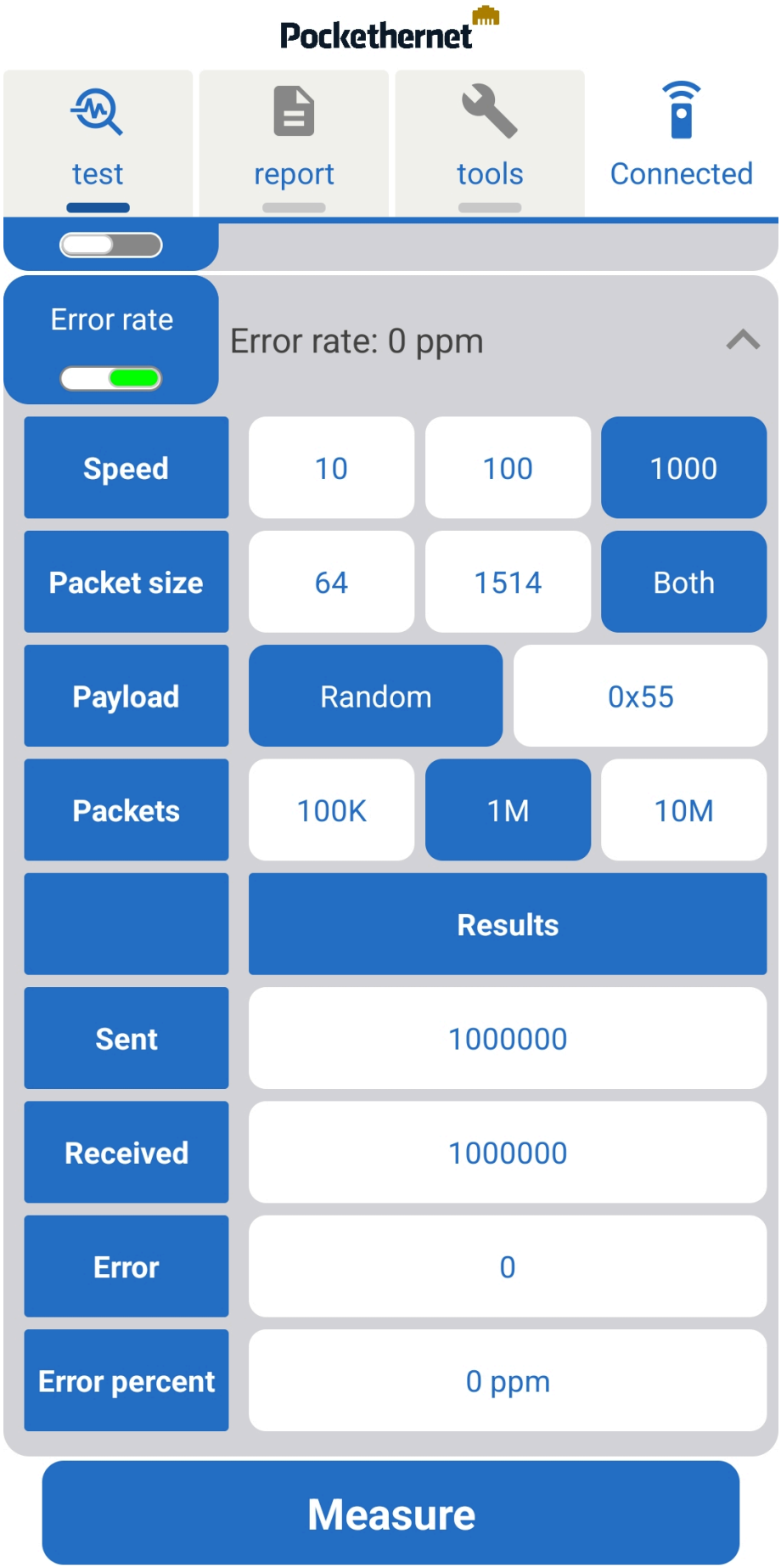
Using an external server (provided by ip-api.com), the IP information of your connection will be established, along with the ISP and AS name with an approximate physical location.


Pocketthernet
test
report
tools
Connected
Link Up, 1000 Mbit, Full duplex
CDP/LLDP
VLAN
IPv4
IP: 10.42.0.25
IPv6
Ping
External IP
Ext IP: 31.17.90.31
IP
31.17.90.31
AS
AS3209 Vodafone GmbH
ISP
Vodafone Kabel Deutschland
Geo IP
Berlin, BE, Germany
Measure

Error rate

You can measure errors occuring during real data transfer. Using the loopback adapter, Pockethernet will establish a link with itself on cables of up to 50m/160ft, transmit data and check the received data for any errors (packet loss or CRC errors).

The link speed, packet size, payload and packet number can be selected. The result is displayed in ppm (parts per million, i.e. 0.0001%) or percent depending on the number of errors.


Pocketthernet
test
report
tools
Connected
Error rate
Error rate: 0 ppm
Speed
10
100
1000
Packet size
64
1514
Both
Payload
Random
0x55
Packets
100K
1M
10M
Results
Sent
1000000
Received
1000000
Error
0
Error percent
0 ppm
Measure

Quick test function

Pockethernet can perform a quick test of the network outlet or cable wihtout the use of the app. This may come handy if you don't have a device with the app installed nearby or simply don't want to launch it and you're only interested in basic network status.

While the device is powered on, connect it to the cable to be tested and press the power button one.

The device will then perform the following tests: Wiremap, PoE, Link, DHCPv4. The results will be indicated via the device LEDs.

Cable & PoE LED:

- **Green:** Straight through or crossover cable detected. No further tests will be performed as there can't be anything else connected to the cable than the wiremap adapter.
- **Yellow:** Cable open
- **White:** Short circuit. Either a fault or an Ethernet port connected
- **Blue:** PoE supply detected

Link LED:

Green if a 10-1000M link detected, stays unlit otherwise

Network LED:

Green if a DHCPv4 address obtained, stays unlit otherwise

Firmware

Update

Pockethernet receives regular firmware updates with new features and improvements

To update the firmware:

1. Turn Pockethernet on and connect it Pockethernet via Ethernet to a port with DHCP and internet connection
2. Open the app and go to Tools -> Info
3. Select Check for update
4. If a firmware update is available, confirm start of update

5. Pockethernet will download the update and store it for updating on the next restart
6. Once finished, switch off Pockethernet and then on again
7. The update is being applied. At the end, 4 blue LEDs will be shown and the device will reboot

Changelog

2025-12-01 - Firmware v17+ and apps v11+

New features:

1. Support for Wiremap IDs
2. Support for Error rate measurement with Loopback adapter
3. Support Pockethernet v1 wiremap adapter as ID 0

Updates:

1. Improve PoE detection on some Cisco switches
2. Add all-pair toning for higher volume
3. CDP: Display Power Available field
4. CDP: Display IPv6 management address along IPv4
5. Fix Online Manual opening on iOS 15+

Frequently Asked Questions

The app can't connect via Bluetooth with "Error connecting"

This is reported by the Pockethernet v1 app. Make sure to use the "Pockethernet 2" app with the v2 device.

The device doesn't turn on

Perform a hard reset: With the USB power not connected, press and hold the power button for 20 seconds

During the firmware update, the app reports "Update Error: No Ethernet Link" although the device is connected to a live Ethernet port.

The firmware update needs to establish a 10 Mbit link. Multi-Gbit port don't support 10M links. Use a max 1G port for the update.

I don't have Play Store on my Android device and would like to sideload the app.

You can download an APK here

After performing a Firmware Update, the Wiremap and PoE functions don't work and the 'Device Info' is empty

The firmware update couldn't finish completely. Restart Pockethernet, wait about 10 seconds until you see 4 blue LEDs on the device. Repeat a few times if necessary to trigger the 2nd stage update.

Notices

Make sure you read and understand the below notices.

Important safety instructions

Safety precautions

- To prevent fire or shock hazard, avoid exposing this unit to rain or moisture.
- Do not attempt to service this unit yourself. Please refer all servicing to your distributor / retailer.
- Do not open or disassemble the device. There are no user serviceable parts.
- Do not use strong or abrasive detergents when cleaning the device.
- Indoor use only.
- Risk of fire, explosion, and burns. Do not disassemble or crush.
- Use a certified power adapter only. Voltage and current requirement for charging and operation is 5V at 1A.

Warning

- Do not use the USB and the Ethernet connector at the same time (unplug Ethernet while charging)
- The device must only be connected to a Network Environment 0 per IEC TR62102
- Do not connect to cables that are routed outside of a building
- Do not connect to telecommunication networks or cable distribution systems
- Risk of explosion if battery is replaced incorrectly
- Dispose of used battery according to regulations

FCC Notice
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This Class B digital apparatus complies with Canadian ICES-003. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and the receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

Disposal and Recycling Information
When this product has reached the end of its useful life, please dispose of it according to your local environmental laws and guidelines and take it to a collection point designated by local authorities. Some collection points accept products for free. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Disclaimer
This manual has been compiled and published covering the latest product descriptions and specifications. The contents of this manual and the specifications of this product are subject to change without notice. We reserve the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

Compliance documentation
The EU Declaration of Conformity is available here.