





IT Networks

Scope of delivery







- 2x WireXpert 500/4500 handheld devices
- 2x Li-lon batteries
- 2x Stylus with cord
- 2x Protective covers for LCD screen
- 2x CAT 6A/Class E_A Permanent Link Adapter
- 2x CAT 6A/Class E_A Permanent Link Test Cord
- 2x CAT 6A/Class E_A Channel Adapter
- **1x** USB stick containing documentation and eXport PC software
- 2x Headsets
- 2x AC adapters
- 2x Country-specific power cords
- **1x** Calibration Certificate
- **1x** Soft carrying bag
- **1x** Quick Start Guide







Headset

Port for

charger

Measurement adapters







Channel adapters (copper)

Optical fiber adapter (e.g. multi-mode)









Starting the WireXpert







Start Screen







- All measurement settings are made on the LOCAL device and synchronized with the REMOTE device during the first connection
- Some System Settings, such as Language and Audio Settings, can be set individually on both devices.

Start Screen







Device specific settings (Page 1)







Device specific settings (Page 2)







Quick Setup of measurement parameters





Quick Setup



IMPORTANT: These adjustments can only be carried out from the LOCAL device





Quick Setup







Overview: Defined standards and their description in the WireXpert / FW version 8.x

	100 MHz	250 MHz	500 MHz	600 MHz	1000 MHz	1600 MHz	2000 MHz
USA	ANSI/TIA 568.2-D Category 5e	ANSI/TIA 568.2-D Category 6	ANSI/TIA 568.2-D Category 6A				ANSI/TIA 568.2-D Category 8
Permanent Link	Cat 5e Permanent Link	Cat 6 Permanent Link	Cat 6A Permanent Link TIA TSB-155 Link				Cat 8 Permanent Link
Channel Link	Cat 5e Channel	CAT 6 Channel	Cat 6A Channel TIA TSB-155 Channel				Cat 8 Channel xxAWG
Inter- national	ISO/IEC11801-1: Class D	ISO/IEC11801-1 Class E	ISO/IEC11801-1 Class E _A	ISO/IEC11801-1 Class F	ISO/IEC11801-1 Class F _A	ISO/IEC11801-1 -9901 (TR) "40G"	ISO/IEC 11801-1 Class I & II
Permanent Link	Class D 2 Connection Link Class D 3 Connection Link	Class E 2 Connection Link Class E 3 Connection Link	Class EA 2 Connection Link Class EA 3 Connection Link TR24750 - Link	Class F 2 Connection Link Class F 3 Connection Link	Class FA 2 Connection Link Class FA 3 Connection Link		Class I Link Class II Link
Channel Link	Class D Channel	Class E Channel	Class EA Channel TR24750 – Channel	Class F Channel	Class FA Channel	TR11801-9901 Channel e TR11801-9901 Channel y	Class I Channel Class II Channel
Europe	CENELEC EN50173-1 Class D	CENELEC EN50173-1 Class E	CENELEC EN50173-1 Class E _A	CENELEC EN 50173-1 Class F	CENELEC EN50173-1 Class F _A		
Permanent Link	Class D Config A B D Class D Config C	Class E Config A B D Class E Config C	Class EA Config A B D Class EA Config C	Class F Config A B D Class F Config C	Class FA Config A B D Class FA Config C	Hard Marine Mari	
Channel Link	Class D Channel	Class E Channel	Class EA Channel	Class F Channel	Class FA Channel		





Selection of Standard







Selection of Cable type







<u>Creation of a customer defined cable type</u>















Selection of Connector type



Creation of a customer definied connector type

Save new connector type

Overview of already created own connector types

50%

Advanced Test Options

Project Settings Sites and operators

Wire pert Softing **Project Settings** Selecting and defining measurement labels 02-01-2020 65% 04-13-2017 70% 02-01-2020 65% Enter Label Project Settings Cable Label Source Site Sample Customer None Simple Cable Label Operator Template Label 60% 04-13-2017 Label Source mple Label 0 List Based Testing Simple Cable Label AutoSave Free Form Next Label A-1 Label Name Based on TIA-606-A Panel A / Port 60% 04-13-2017 Start Value Template Label TIA-606-A Class 2 Single Building Backbone Cable TIA-606-A Class 3 Campus Backbone Cable Project Test Free Form 100 11-09-2019 Free Form Cabel Label Start Label A-1A/A-1A-8 None: Erstes Label Each measurement run has to be named manually End Label A-1 A-1A/A-1A-Ø Simple Cable Label: Free definition with up to 70 characters and counting function at the end of the label Letztes Label Template Label: B-5 Counter scheme based on TIA-606-A List Based Testing: Option of loading site specific label lists for major projects created in eXport PC software into tester (see next slide)

- Free Form:
 - Counter scheme based on self defined scheme reflecting complex naming requirement

Project Settings g

abel List Generator erarchy Point to Point) 2			Export to US8	
Building		HQ		Export to CSV	
Floor	•	01	03	Save	
Telecom Room		TC1	TC2	Load	
Rack		R01	R05	Ext	
Panel		PP-A	PP-D	Information:	
Port		01	24	Maximum 1000 Label List can be generated.	
01-TC1-R01-PP-A/02 01-TC1-R01-PP-A/02 01-TC1-R01-PP-A/02 01-TC1-R01-PP-A/02 01-TC1-R01-PP-A/02 01-TC1-R01-PP-A/02 01-TC1-R01-PP-A/02 01-TC1-R01-PP-A/12 01-TC1-R01-PP-A/12 01-TC1-R01-PP-A/12					

None

60%

 \checkmark

 \checkmark

Defining Label Lists in eXport software

Selecting Label List for testing

Testing guided by Label List

Commencing measurements with WireXpert

Initiate AUTOTEST - No REMOTE connected

The AUTOTEST button can be pressed from any menu in order to commence measurements

- If no REMOTE is found, the tone generator starts (progress bar)
- Possibility to localize port with inductive receiver
- Automatic switch-off of the tone generator and start of measurement on contact with **REMOTE**

Commencing measurements with WireXpert

Initiate AUTOTEST - REMOTE connected

The AUTOTEST button can be pressed from any menu in order to commence measurements

Progress bar display on LOCAL and REMOTE device whilst AUTOTEST is carried out

Commencing measurements with WireXpert

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Saving measurement results (manually) Wire pert

Results display on LOCAL device

Results display on REMOTE device

Locator function for troubleshooting of NEXT and RL faults (only possible from LOCAL device)

Results saving possible from LOCAL and REMOTE device

Saving measurement results (manually) Wire pert

DATA menu **Retrieving measurement results**

Exporting stored results via USB stick

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Additional functions via USB interface

Wire pert softing

Optional adapters to WireXpert (excerpt)

Class F _A / Class II adapters	COAX adapters	Fiber Optic adapters for SM and MM (EF)
Industrial adapters	Patch cord test adapters	DCRU adapters
SOFTING IT NETWORKS Industriezubehör-Katalog		

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