

Wirnet™ Debug Probe - User Start Guide

Thank you for choosing Kerlink - we are proud to be part of your project.



Kerlink internal use only

1 Need help ?

In order to provide the most updated technical documentation, as well as considering and saving the environmental resources, Kerlink is providing online documentation : www.wikikerlink.fr

For **warranty** claims (hardware repair) please contact us : support@kerlink.fr

For **maintenance** related claims (trouble shooting, help request...), please open an «assistance request» via our ticketing tools (OTRS). If you don't have yet your login/password, please request them to support@kerlink.com. (note that the serial number of one of your products will be required)

For questions related to generic engineering rules: radio colocation, optimization of the performance (range of the gateways, coverage), surge protection etc. please refer to the application notes available on the wiki Kerlink.

For any other questions related to our product, please contact our distributors or Kerlink at sales@kerlink.fr or +33 2 99 12 29 00.

2 Manufacturer

Kerlink, 1 rue Jacqueline Auriol, 35235 THORIGNE FOUILLARD, France
Tel : +33 2 99 12 29 00, www.kerlink.com

3 Safety

Read these instructions carefully and look at the equipment to familiarize with it before trying to install, operate or maintain it. The following special messages may appear throughout this documentation or on the equipment itself to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

	Refer to a critical situation. In case of non-compliance, it may result in property damage.
	Refers to useful information during manipulations

4 Package contents

	<ul style="list-style-type: none"> Only use the Wirnet™ Debug Probe for its intended use «Normal conditions of use». Maintenance and repair must be carried out by qualified personnel authorized by the manufacturer. The enclosure of the Wirnet™ Debug Probe must not be opened by customer. The Wirnet™ Debug Probe should only be used with accessories or spare parts supplied by your reseller.
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Item	Wirnet™ Debug Probe	Parts
1		Debug Probe
2		USB-A / USB-C cable (1meter)
3		USB-C / USB-C cable (0,2 meter)

5 Marking

Symbol	Description	Symbol	Description
	Type of equipment		QR Code
ACCIOT-SDE01	Reference of equipment		CE marking indicating that the product complies with the current European directives, or other marking depending on the country
Board ID	Serial number of board		Marking indicating that the product complies with RoHS directives
Product ID	Serial number of equipment		Do not dispose of with domestic waste

6 Using of Wirnet™




6.1 Equipment compatibility

Wirnet™ Product	Compatibility
Wirnet™ iStation	✓
Wirnet™ iFemtoCell-evolution	✓
Wirnet™ iFemtoCell	✗
Wirnet™ iBTS (Standard & Compact)	✗

6.2 User interface

Wirnet™ Debug Probe	Interface	Description
	Green LED	Blinking: Communication on going between Equipment and Terminal
	Red LED	This LED is a copy of the "Power" LED of the equipment ON: Equipment is powered ON (See equipment documentation for further information)
	Green LED	This LED is a copy of the "System" LED of the equipment (See equipment documentation for further information)
	ON / OFF Button	This button reproduces the "ON/OFF" button of the equipment Push duration <1 s Software Reset of the equipment 1 s < Push duration < 5 s Software halt of the equipment Push duration > 5 s Hardware Power OFF
	BOOT Button	Reserved for specific use under assistance

6.3 Connections

Wirnet™ Debug Probe	Interface	Description
	USB-A connector	Equipement USB port Mainly used with USB key
	Equipement USB-C male	Debug plug to the equipment (<i>ex : Wirnet iStation</i>)
	Terminal USB-C Female	USB connection of debug probe To be connected to a terminal / PC



Before setting connection with equipment, ensure that the equipment is powered off.

Connect cable (item '2') between Terminal / PC and Wirnet™ Debug Probe

Connect cable (item '3') between Wirnet™ Debug Probe and Equipment



6.4 Connection configuration

To use the Debug Probe, you will need a "HyperTerminal-like tool".

- If the "Terminal" runs on Windows OS, It can be necessary to download FTDI drivers.

1. Download FTDI drivers on this website. (<https://www.ftdichip.com/Drivers/VCP.htm>, select Operating System = Windows)
2. Install the drivers.

- If the "Terminal" runs on Linux OS, Everything should work out of the box. The serial port will be located in /dev/ttyUSB*. If not, please contact our Kerlink support: support@kerlink.fr

6.5 Connection parameters to the Gateway

1. Connect the Wirnet debug Probe to the PC using the "Terminal/PC" port and the ethernet cable
2. Open a "HyperTerminal-like" tool on the com port with the following standard parameters:
 - baudrate : 115200
 - data length : 8
 - parity : none
 - stop bit : 1
 - flow control : none
3. After getting prompt on the Terminal, please enter login/password (root / pdmk-\$serialno) of the Gateway.

Note about "Default password": To prevent Web robots to attack the gateway with standard login/password such as root/root, default password is built using the last 6 digits of the serial number, (CPU module S/N for Wirnet™ iBTS) and (board ID for Wirnet™ iFemtoCell, Wirnet™ iFemtoCell-evolution and Wirnet™ iStation) : pdmk-\$serialno.

For example, if the serial number of a CPU module is 641ATe0507DD, then the root password will be pdmk-0507DD (case sensitive). This 6 digits number can also be retrieved in the hostname. It is displayed in the shell prompt:

- klk-lpbs_0507DD login: root
- Password: pdmk-0507DD

For security reasons, it is strongly recommended to change the default passwords by using 'passwd' command. More information on the Kerlink Wiki: www.wikikerlink.fr in the section: "Connect to the gateway".

6.6 Setup of the gateway

Consult the Kerlink wiki : www.wikikerlink.fr

7 Conformity

The Wirnet™ Debug Probe comply with the directive EMC 2014/30/UE (EN 55032: 2012 / EN 55035 : 2017).

8 Disposal / recycling

Do not through out the product with domestic waste. For proper disposal, contact a waste disposal company. The packaging of the product (cardboard and liners) can be disposed of with the used paper.

9 Warranty

Contact your reseller for warranty conditions of the Wirnet™ Debug Probe.



The Wirnet™ Debug Probe is not warranted by KERLINK in case the enclosure is opened by customer for any reason.

10 Contact

For additional information, please contact your reseller.

11 CUSTOMER and User eXperience

Your shopping and operational experience is very important to us. We would like to invite you to leave review or feedback on our products and services. We will appreciate your time and efforts.



12 Find us in Social Media

We would like to hear from you: any tips, any news to share ?



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We stay at your disposal for any help on your project.

Yours sincerely,

Kerlink

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