WLAN Bridge

Modul-set for digital displays

Operating manual

1 Contact

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2 Legal note

This operation manual has been prepared with the utmost care. However, we do not accept any liability for possible errors. We always appreciate your suggestions for improvement, corrections, comments and proposals. Please contact us: editing@siebert-group.com

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3 General information

Thank you very much for choosing our product.

The Siebert XC-Board® Bridge is an extension for Siebert displays with Ethernet, which are thus extended by a wireless link based on WLAN. Only a 230V AC supply must be available at the mounting place of the display. An Ethernet cable for the display is not required as the connection to the customer's Ethernet is established via the XC board® Bridge.

The XC-Board® Bridge consists of two modules:

Module 1 is located in the Siebert display

Module 2 is integrated into the customer’s network via cable

The following chapters contain notes on commissioning.

As our product is a network-capable device, it would be of advantage to involve the responsible IT specialist in the project in case of problems. We are happy to support you.

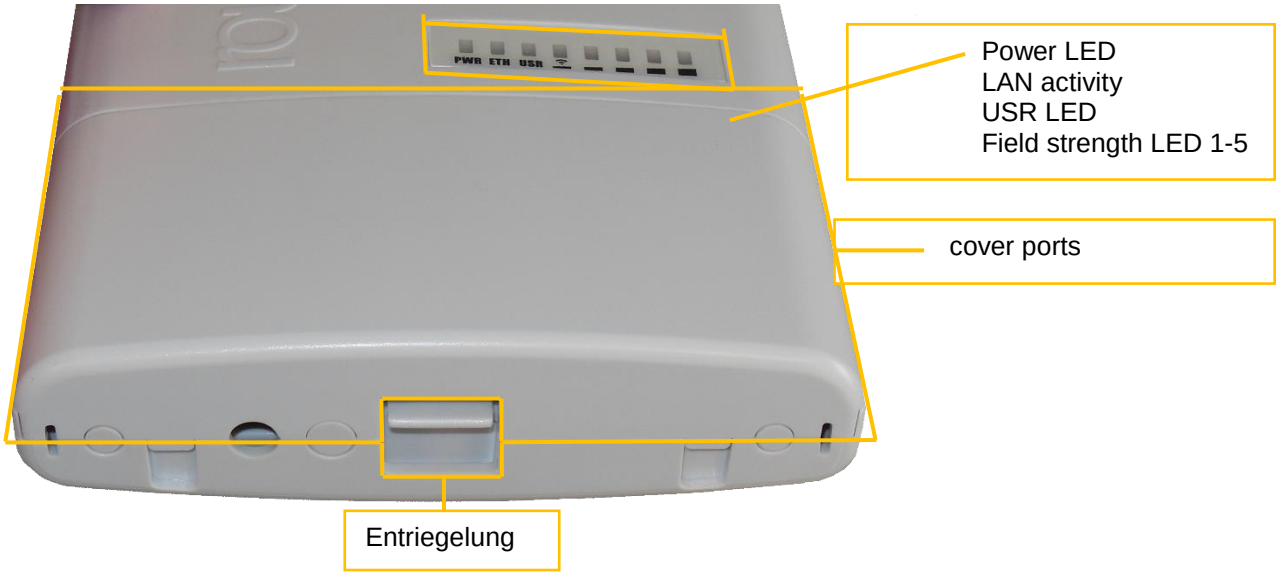
Module 1 and Module 2 do not need an IP address in your network to establish a connection.

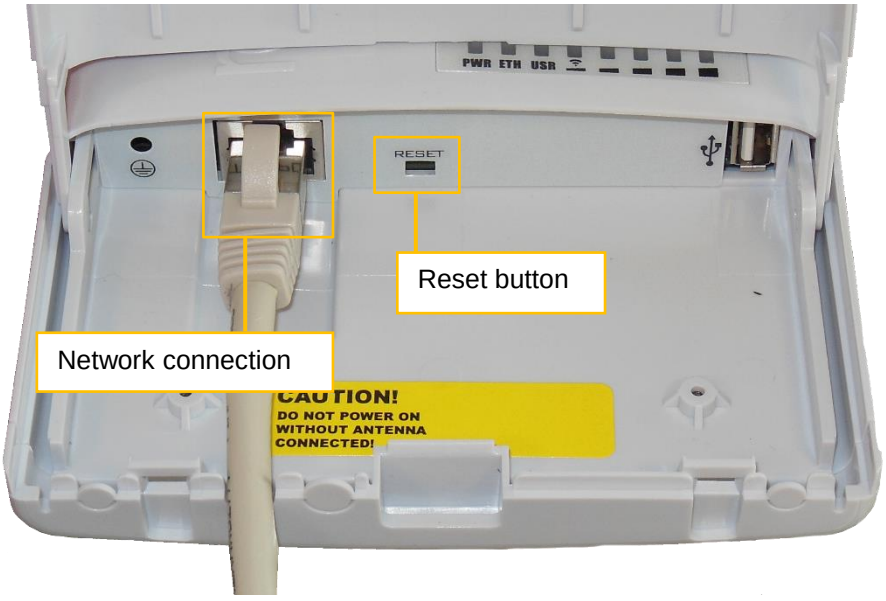
4 Important information

Please make sure that one of the enclosed antennas is attached to the display before commissioning. A missing antenna can lead to damage of module 1.

5 Description module 1

Mikrotik Base Box 2 in Siebert display



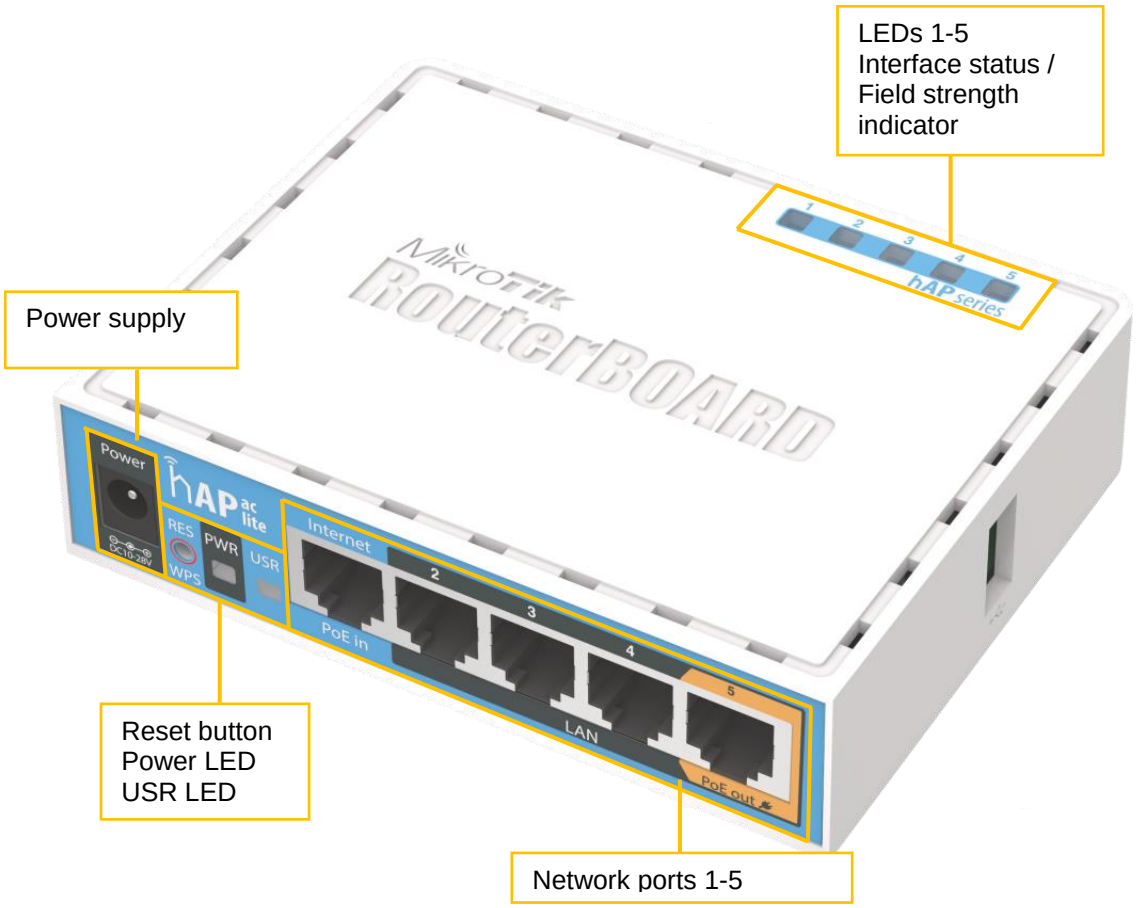


Module 1 is supplied with power via the network cable.

The USR LED lights up during the start process.

Description module 2

Mikrotik hAP ac lite Routerboard



All network ports are configured to a 100Mbit switch.

The USR LED lights up during the start process.

6 Commissioning of the modules

Module 1

Module 1 is already pre-assembled and connected in your display.

Module 2

Please connect the supplied 230V plug-in power supply unit to the power grid and the power socket of module 2.

Establish a connection to your network with a network cable by connecting one of the 5 network connections of module 2 to your network. Since all 5 connections are configured to a 100 MBit switch, you can also integrate module 2 as a switch into an existing wiring.

7 Field strength of the display

Both modules have an integrated field strength indicator for better placing.

Module 1 (in the display) has a dedicated field strength indicator which is always active as soon as a connection to module 2 is established.

In module 2, the interface status indicator (LEDs 1-5) changes to the field strength indicator 30 seconds after switching on.

Information on connection quality:

0 - 1 LEDs	poor connection
2 – 3 LEDs	sufficient to good connection
4 – 5 LEDs	good to very good connection

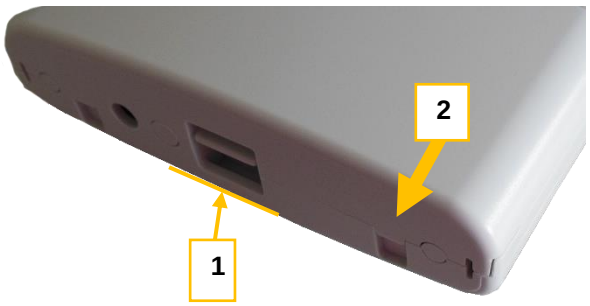
The field strength is displayed for 10 minutes and indicated by the flashing USR LED.

If the field strength only indicates one LED, please change the site of module 2 to ensure a better connection.

8 Reset the modules

Reset module 1

To reset Module 1, hold down the cover release and gently pull the cover towards the network cable.



Next, remove the network cable from the network socket. Then hold down the reset button with a pointed object (bent paper clip, ballpoint pen) and plug the network cable back into the network socket.

Keep the reset button pressed until the USR LED and the field strength LEDs start flashing. Then release the Reset button.

Module 1 is now restarted with the default configuration.

Reset module 2

To reset module 2, remove the electric connection on module 2. Then press and hold the reset button with a pointed object (bent paper clip, ballpoint pen) and plug the electric connection back into the power socket. Keep the reset button pressed until the USR LED starts flashing. Then release the reset button.

Modul 2 is now restarted with the default configuration.