

Quick Start

MX560 with mdexSIM

This Quick Start describes the easy setup of the MX560 for remote access to a connected terminal device when using an **mdexSIM**.

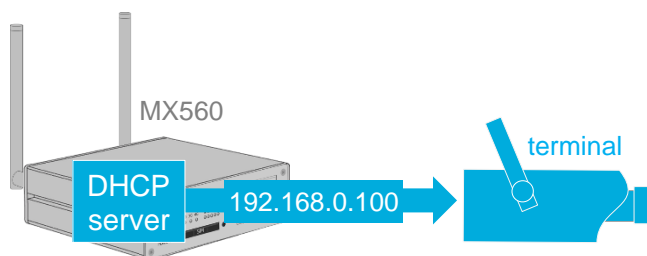
MX560 Presets

The mobile settings of MX560 are preset for using an **mdexSIM Vodafone**.

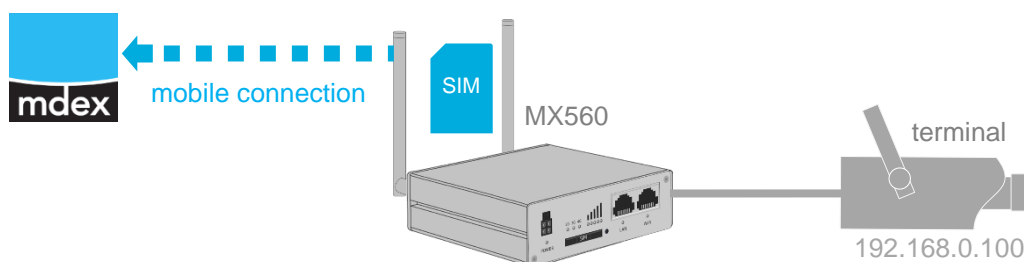
- i** If the MX560 is bundled with any other mdexSIM, the mobile settings of each inserted mdexSIM are preset in the router on delivery. Details of the preinstalled mdexSIM can be found on the additional label of the router.

If the MX560 was delivered without mdexSIM, please note **Step 1** (page 2).

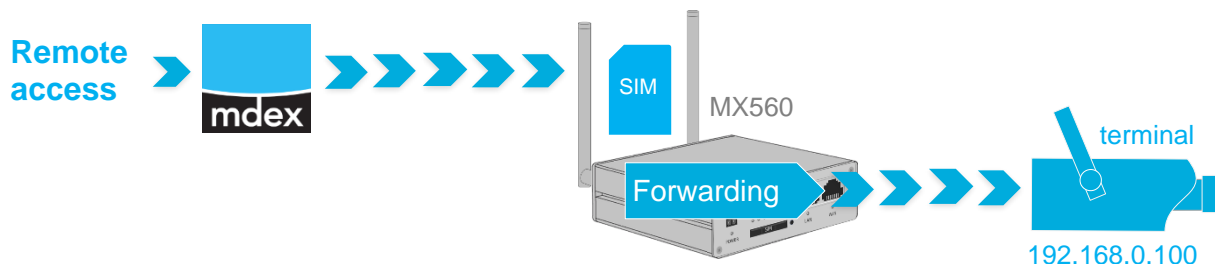
The MX560 DHCP server assigns the IP address 192.168.0.100 to the terminal device.



The router establishes a mobile connection with the installed SIM card to mdex.



For remote access to the terminal device, all data packets are forwarded to 192.168.0.100.



Step 1

Insert mdexSIM

If your ordered **mdexSIM** is not inserted yet, please insert it in the MX560 router.


- i** The mobile settings of the router are preconfigured for using an **mdexSIM Vodafone**.
If the MX560 is bundled with any other mdexSIM, the mobile settings of each inserted mdexSIM are preset in the router. If your mdexSIM is not inserted yet, it must be installed and configured as described in **MX560 Setup Guide** → Chapter "Insert SIM card".

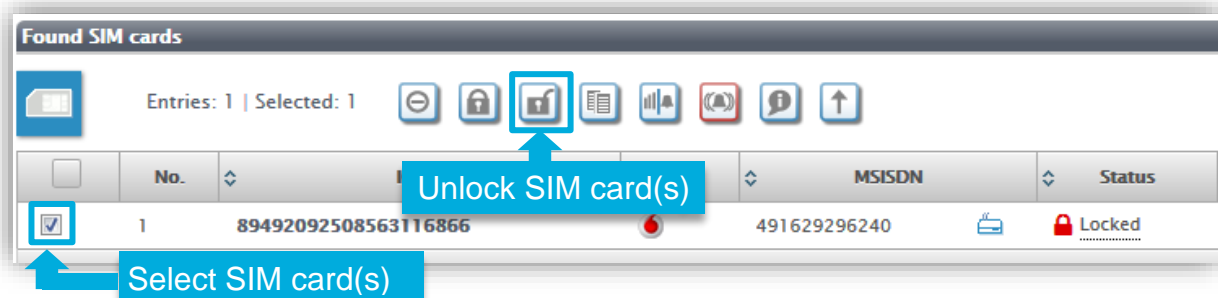
Step 2

Unlock mdexSIM

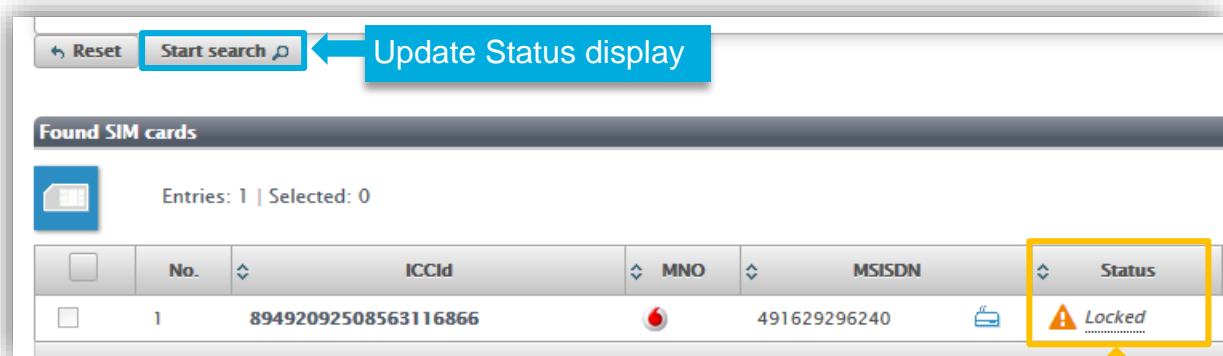
The respective **mdexSIM** is locked and must be unlocked before first use.

- i** The ICCID of the preinstalled **mdexSIM** is printed on the additional router label.

- Log into mdex Management Portal at <https://manager.mdex.de> and click on **SIM Cards** → **Locked SIM Cards**.
- Check the SIM card(s) and click on the icon  (Unlock SIM cards)



- Follow the instructions on the Portal to unlock the SIM card(s), then click on the button **Back to search**.
- The process of unlocking the SIM card can take up to 20 minutes. After a few minutes, refresh the Status display by clicking on button **Start search** again.

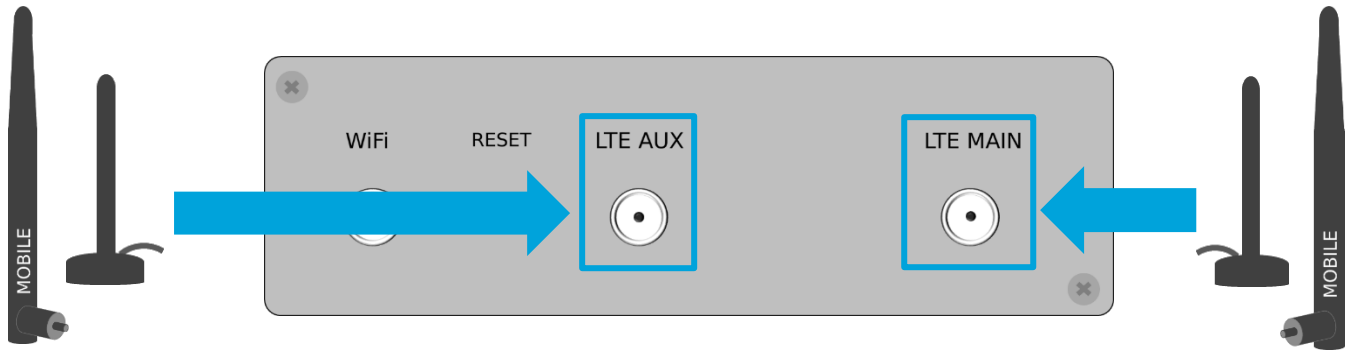


- !** As long as the status **Locked** is displayed, the process is still in progress. To refresh the status display, click on the button **Start search** again. As soon as the status **Enabled** is displayed, the SIM card is ready for use.

Step 3

Connect LTE antenna(s)

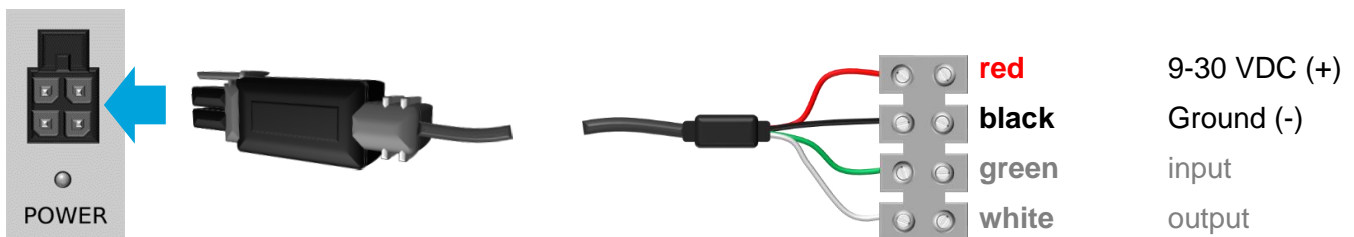
LTE antennas with SMA connectors must be connected to the right **LTE MAIN** socket and optional to the left **LTE AUX** socket (to increase the LTE download rate).



Step 4

Connect the power supply

The router can be powered either with the optional EU/UK Power supply or with an external power supply by using the included Power cable.



The 9-30 VDC power source must be connected to the red wire (+) and black wire (-).
The max. Power consumption of the MX560 is 5W.

Step 5

Establishing a mobile connection

The MX560 establishes a mobile connection with the installed SIM card.

Mobile connection status

The respective 2G / 3G / 4G LED blinks during mobile setup and lit as soon as the connection is successfully established to the mobile network.

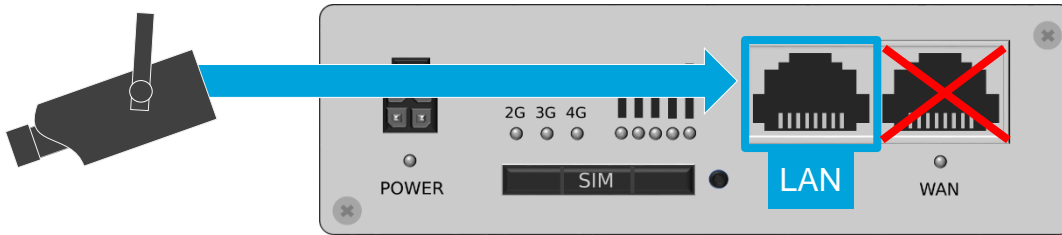


i More detailed explanations can be found at **MX560 Setup Guide** → Chapter "**Connection status and signal strength**".

Step 6

Connect the terminal device

The terminal device must be connected to the LAN port of the MX560.
The WAN port is not provided by default for connecting terminal devices!



The terminal device can be set to '**Obtain an IP address automatically**', in which case the MX560 DHCP server automatically assigns the IP address 192.168.0.100.

! The DHCP server of the MX560 is preconfigured to assign only one IP address (192.168.0.100).

If you have connected a PC for router configuration, the IP address 192.168.0.100 was assigned to this PC. After the PC has been removed, this IP address will only be assigned to another connected terminal after 5 minutes (DHCP Leasetime). A restart of the router immediately releases the IP address for assignment to another connected terminal device.

Alternatively, the network settings can also be fixed in the terminal device:

IP address: 192.168.0.100
Default Gateway: 192.168.0.1 (LAN IP address of the MX560)
DNS server: 192.168.0.1 (LAN IP address of the MX560)

All incoming data packets to the MX560 are forwarded to the connected terminal device 192.168.0.100.

i A detailed description of connecting multiple terminal devices can be found at **MX560 Setup Guide** → Chapter "**Connection of terminal devices**".

Quick Start is completed

The MX560 router and the connected terminal device are now accessible over the mobile network with the respective mdex IP-service.

mdex fixed.IP+: Remote access via **web.direct** or **Control Station Device** (optional).

mdex public.IP: Remote access via the public IP address.

i More information about the setup of the MX560 can be found in the **MX560 Setup Guide** or at mdex support page: <https://wiki.mdex.de>.