



SELSAT MWR 5550

4G / LTE / 5G & WLAN Internet Router Set up to 3.3 Gbps
including 5G roof antenna

User Guide



Please note the serial number of your router on page 4!

ATTENTION!!!

**In order to perform actions on
your router, you must always be
connected to your router's
WiFi!**

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1. General information

Thank you for choosing the SELFSAT MWR 5550 Internet Router Set.

Please read these instructions carefully before installing and commissioning this product. Follow the steps described in them when operating your Internet router in the user interface.

Keep the instructions handy. The current version of these operating instructions can be found at www.selfsat-service.de. You can find out whether the version available there is more current than these operating instructions by comparing the version number on the back of these instructions with the version number on the Internet.

On the back of your router you will find a SERIAL number and an IMEI number. Please note these down here. If the router is installed in your motorhome or caravan, this will help you to refer to this information if necessary.

SERIAL:

1.1 Intended use

This product is intended for use in mobile homes or caravans. It can also be used in trucks, buses or boats. It is used to establish an Internet connection with a 2.4 GHz or 5 GHz WLAN network, or the 4G / LTE / 5G mobile network.

The outer shell of a mobile home or caravan shields radio signals from the outside. For this reason, the SELFSAT MWR 5550 Internet solution uses an external antenna that can receive WLAN signals as well as mobile signals and a GPS signal.

The router can be operated in a 12 volt or 24 volt direct current network (DC), or in a 230 volt alternating current network (AC).

The manufacturer accepts no liability for damage due to installation or operating errors.

1.2 Safety instructions

Please handle the product and its accessories carefully and protect them from moisture and dust.

The product and its accessories contain small parts. Make sure that small children do not have access to them so that they do not swallow them or injure themselves.

Only install the router in places where there is sufficient heat dissipation or ventilation, as the product can heat up.

Do not make any changes to the product or disassemble it. This will void your warranty.

As this is an electronic device, we ask you to always handle electricity carefully.

Only connect the product to power sources that meet the technical requirements of the product.

As the product connects to the Internet via wireless networks, the signal availability of which can vary, the device must not be used if death, personal injury, property damage, data loss or other losses must be avoided.

Only use the accessories included in the delivery or optional accessories available from the manufacturer.

Please note the operating temperature information under Technical Data.

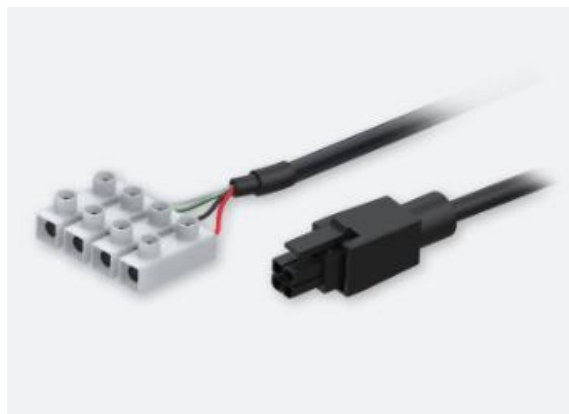
2. Assembly

2.1 Scope of delivery

- A) SELFSAT MWR 5550
- B) 4-pin power cable
- C) Mounting kit
- D) 2 SIM card adapters for Micro SIM or Nano SIM to Mini SIM incl. SIM slot needle
- E) Thread extension
- F) WLAN indoor antenna
- G) Velcro adhesive dots for WLAN indoor antenna g
- H) SELFSAT outdoor antenna (see illustration on front page)



A) SELFSAT MWR 5550



B) 4-pin power cable

For pin assignment see packaging or below

COLOR CODING	
1 Red	Power +
2 Black	Ground -
3 Green	Input / Output / NC
4 White	Input / Output / NC



C) Assembly-Kit



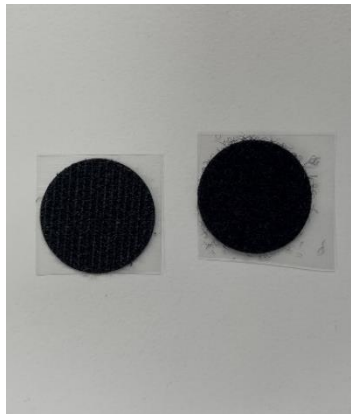
D) 2 SIM card adapters for Micro SIM or Nano SIM to Mini SIM incl. SIM slot needle



E) Thread extension



F) WLAN indoor antenna



G) Velcro fastener
Adhesive dots for WLAN Indoor antenna

2.2 Optionally available accessories and spare parts:

- Roof mounting plate for external antenna (item no. 13825)
- Roof feed-through (item no. 13850)
- Roof mounting plate including roof feed-through for external antenna (item no. 13853)
- Extension cable set 1 m (item no. 13826)
- Extension cable set 2 m (item no. 13827)
- Roof mounting plate, roof feed-through, cable set 1 m (item no. 13831)

- Roof mounting plate, roof feed-through, cable set 2 m (item no. 13832)
- 12 Volt DC cigarette lighter cable (item no. 13841)
- EU power supply 100 - 240 Volt AC (item no. 13844)
- WLAN indoor antenna (item no. 13848)
- 1.5 m Ethernet cable (item no. 13842)
- 2 SIM card adapters including SIM slot needle (Art. No. 13846)
- Mounting kit (Art. No. 13845)
- Thread extension (Art. No. 13830)



Roof mounting plate



Roof cable entry gland



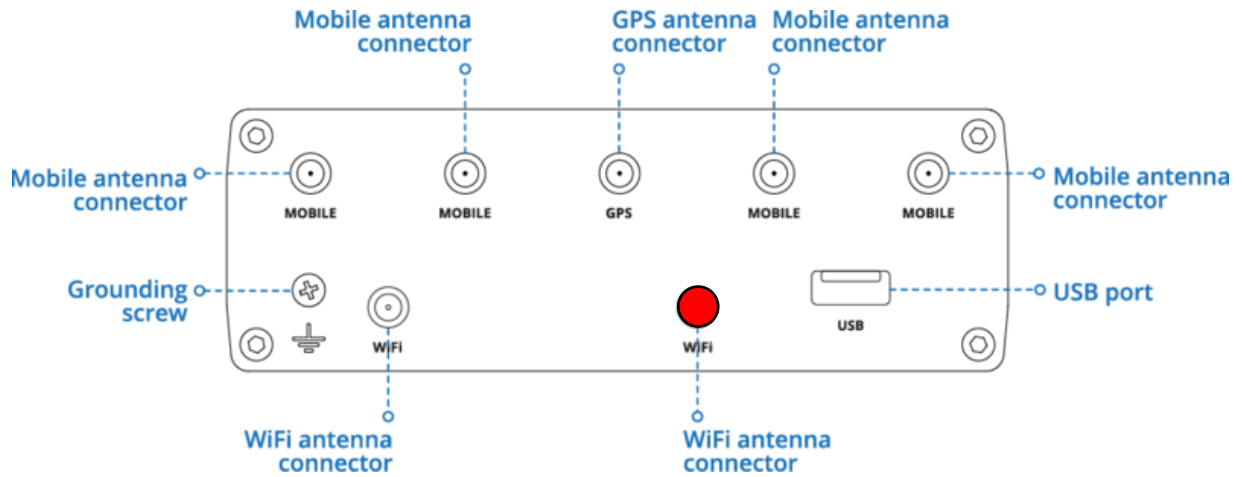
Extension cable set 1 m



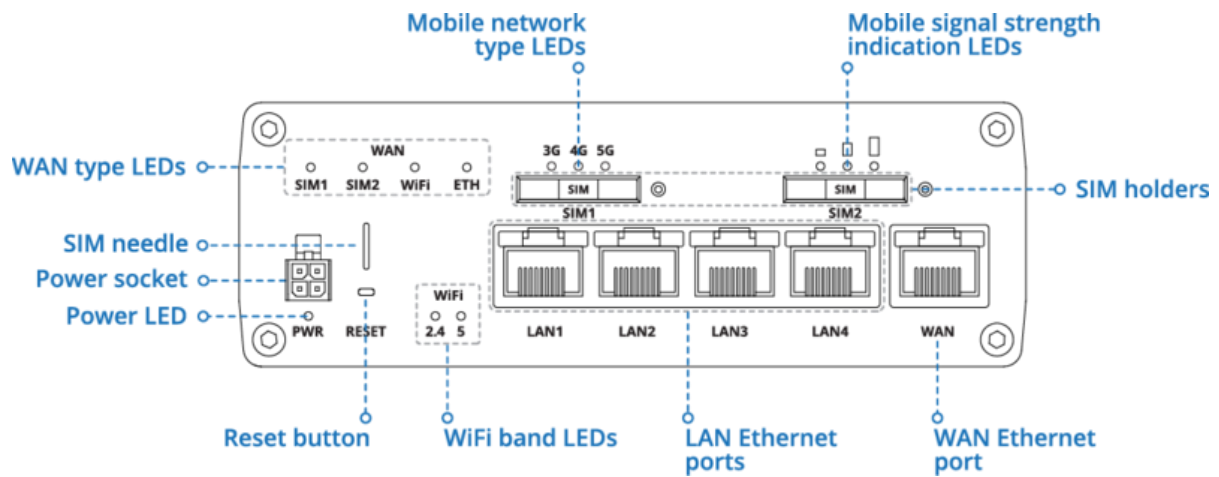
Extension cable set 2 m

2.3 Connections, displays and controls

Upside

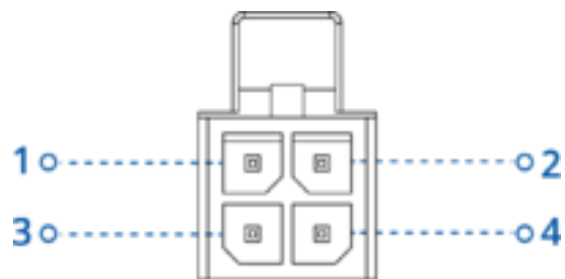


Downside



occupancy power connection

NO.	DESCRIPTION	WIRE COLOR
1	Power	Red
2	Ground	Black
3	I/O	Green
4	I/O	White



2.4 Installation of the external antenna

In principle, the installation of the external antenna can be carried out by yourself with a little manual skill and the right tools. However, if you do not have sufficient knowledge, we recommend that you have the product installed by a suitable specialist company (e.g. where you bought your motorhome or caravan). This will ensure, above all, that the antenna installation on the roof is reliably sealed and that no water can penetrate into the motorhome or caravan, for which Satco Europe GmbH accepts no liability.

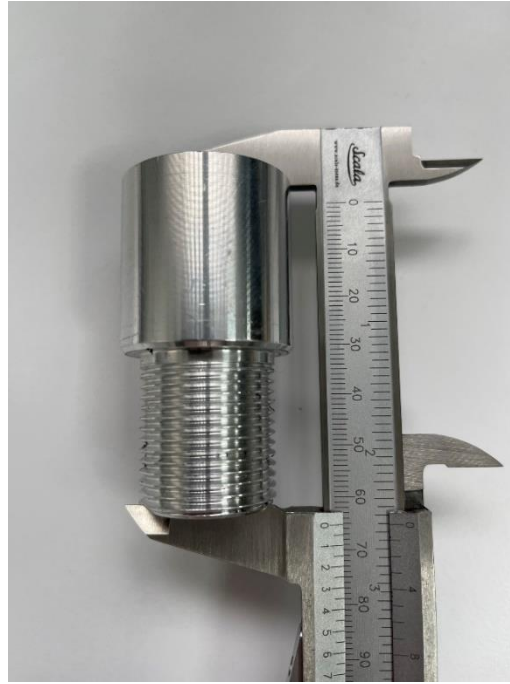
The external antenna is designed for roof mounting. It can be mounted directly on the roof by placing it on a pre-drilled hole through which the antenna thread and the antenna cable are led directly inside. Alternatively, it can be mounted on a roof mounting plate including roof feedthrough (optionally available, SELFSAT article number 13853). When mounting on the roof mounting plate, please check whether you need an extension cable set for the antenna, which is optionally available in 1 m or 2 m length (SELSAT item number 1 m: 13826; SELFSAT item number 2 m: 13827). The roof mounting plate including roof feedthrough is also available in a set with the 1 m extension cable (SELSAT item number: 13831), or in a set with the 2 m extension cable (SELSAT item number: 13832).

When mounting directly on the roof of the motorhome or caravan, please take your roof thickness into account. If the installation is on a metal roof (e.g. van), the length of the thread on the external antenna is usually sufficient to screw it on from the inside. In this case, you will need to drill a 2.7 cm hole in the metal roof at a suitable position (ideally directly above the place where you want to mount the router later in the interior, e.g. in a roof storage cupboard) to insert the thread of the external antenna and the antenna cables into the interior of the motorhome or caravan.



When installing on a slightly thicker, so-called sandwich roof, you usually need the thread extension included in the delivery to screw the external antenna inside the vehicle and to insert the antenna cable into the interior of the motorhome or caravan. In this case, you have to drill a 3.5 cm hole in the sandwich roof in a suitable position (ideally directly above the place where you want to mount the router later in the interior, e.g. in a roof storage cupboard) in order to insert the thread of the external antenna including the thread extension and the antenna cable into the interior of the motorhome or caravan.





When the thread extension is screwed onto the antenna thread, the total length of the screw connection is 6.5 cm.

2.5 Installing the router

The scope of delivery includes a mounting kit to attach the router to a suitable location in the interior of your motorhome or caravan. Before connecting the external antenna to the router, attach the two mounting kit plates to the router using the screws provided. You can then mount the router inside (mounting screws not included). The router can also be mounted after connecting the external antenna cables and the indoor WLAN antenna. This makes it easier to connect these cables.

The router can be mounted with the antenna connections facing upwards or to the side. Mounting with the antenna connections to the side has the advantage that the SIM card slots, the LAN connections, the power connection and the reset button on the router are easier to access.



2.6 Connecting the external antenna to the router

The router's external antenna is equipped with several individual antennas inside and can be used with all SELFSAT MWR routers. It therefore has 6 antenna cables. 1 cable for WiFi, 4 cables for mobile communications and 1 cable for GPS.

Connect the cables of the external antenna to the corresponding connections on the router. For a good signal inside the motorhome or caravan, connect the internal WiFi antenna.



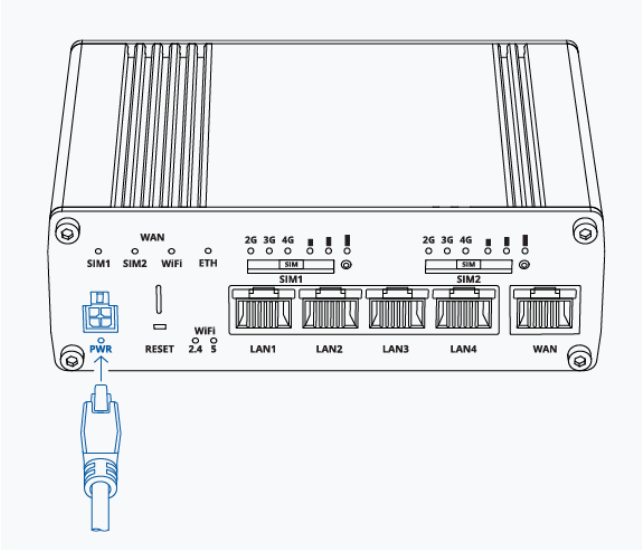
2.7 Connecting the indoor WLAN antenna to the router

Connect the indoor WLAN antenna to the router. To do this, use the connection marked in red in the connection diagram "Top". The WLAN antenna has a magnetic base. If you have a magnetic surface in the interior of your motorhome or caravan, you can attach the indoor WLAN antenna there. Alternatively, you will find two Velcro adhesive dots in the scope of delivery. You can stick one of these to the underside of the base of the indoor WLAN antenna and the other to a suitable place in the interior, onto which you can then attach the indoor WLAN antenna.



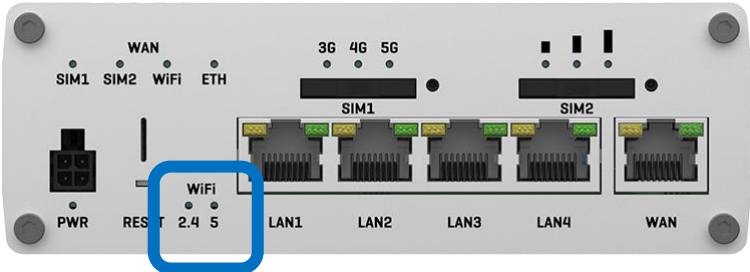
3. Starting up

Connect the router to the vehicle's electrical system using the 4-pin power cable. The red and black cables are used for this. The green and white cables can optionally be used to switch a consumer on and off via SMS to the SIM card in the router.



If there is no permanent power supply on the on-board network, please switch on the ignition of your vehicle. The router will now start, which you can also see from the LEDs lighting up, depending on how the router is installed.

The router will be fully started after about 2 minutes. Depending on how the router is installed, you can see this when the "2.4" and "5" WiFi LEDs light up permanently, or the 2.4 GHz WiFi (SELSAT_MWR_5550_2G) and 5 GHz WiFi (SELSAT_MWR_5550_5G) of the router are displayed on your smartphone, tablet, laptop, smart TV or game console.



3.1 Connecting with the WiFi of the router

You can connect to the router's longer-range 2.4 GHz Wi-Fi or to the more stable and faster 5 GHz Wi-Fi (**recommended**).

You have the option of connecting to the router's Wi-Fi the first time using one of the QR codes printed on the router, or using your smartphone, tablet, laptop or smart TV to search for the router's Wi-Fi networks in their settings and connect manually with a password.

With the smartphone or tablet by using QR codes

To connect using a QR code, open a QR code scanner app on your smartphone or tablet and hold the camera over one of the upper QR codes for WiFi. On some smartphones and tablets, the camera function directly supports QR code recognition. In this case you don't need an app and you can take one of the WiFi QR codes directly into the camera viewfinder and open the displayed link by tapping it. By expanding the camera image with your fingers on your display, you can enlarge the view of the QR code, which makes your selection easier. The upper left QR code is for the 2.4 GHz WiFi of the router, the upper right for the 5 GHz WiFi. Open the displayed link by pressing it and confirm the connecting process.



Alternatively, you can also use the QR codes shown here:

2.4 GHz WLAN
(SELSAT_MWR_5550_2G)



5 GHz WLAN
(SELSAT_MWR_5550_5G)



Your smartphone or tablet will now connect to the router. You can close the QR code app or the camera function. As soon as the connection is established, you can recognize it in your display with the appearing WiFi signal logo. This will take a few seconds.

Manually with your smartphone, tablet, laptop or Smart TV using a password

If you want to connect to the router manually, go to the WLAN settings in the settings of your smartphone, tablet, laptop or smart TV. Depending on which networks your device supports, the 2.4 GHz WLAN (SELSAT_MWR_5550_2G) and possibly also the 5 GHz WLAN (SELSAT_MWR_5550_5G) of your router will be displayed there.

Select the desired WLAN network and then enter the

WiFi password: S5e5M5w05

which can also be found below the QR code on the router label. Your device will now connect to the router.

As soon as the connection is established, you can see it in the display of your device with the appearing WiFi signal logo. This will take a few seconds.

WiFi encryption

The WiFi networks of your router are preset to the WPA2-PSK encryption standard, as some end devices or smart TVs that you want to connect to them do not support the WPA3-SAE encryption standard. This can lead to an insecure connection being displayed. You will later have the option of changing the encryption standard in the settings area of the router's user

interface. For security reasons, we recommend that the WLAN encryption password should have at least 12 characters.

3.2 Accessing the user interface of the router

You have two options to open the router's user interface.

With the smartphone or tablet by using a QR code

To do this, open a QR code scanner app again on your smartphone or tablet and hold the camera over the lower QR code for the IP address. Then open the link shown. On some smartphones and tablets, the camera function directly supports QR code recognition. In this case you don't need an app and you can take the QR code directly into the camera viewfinder and open the link that is displayed.



Alternatively, you can also use the QR code shown here:

Router's user interface (IP address 10.10.10.10)



The login screen for the router's user interface will now open in your web browser. Please enter

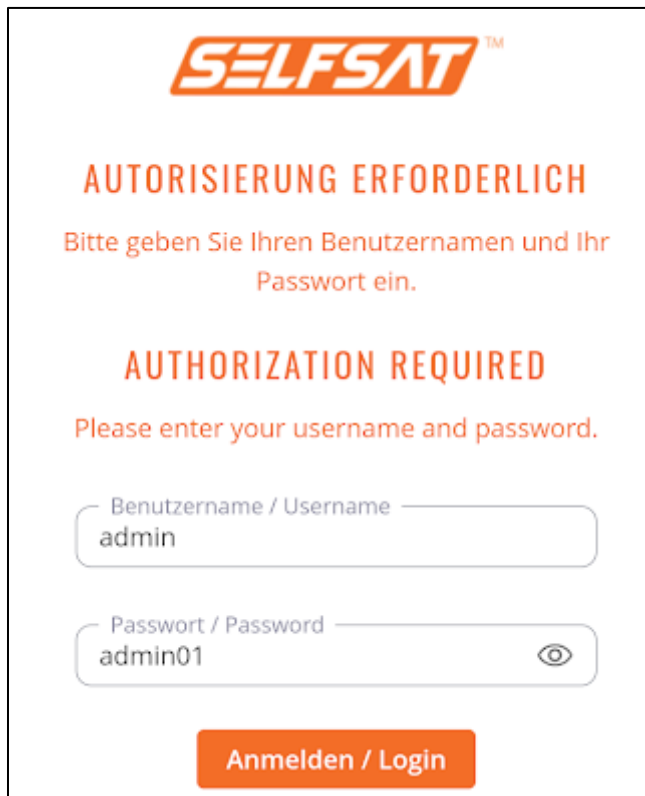
User: **admin** (please pay attention to the small first letter)

and

Password: **admin01**

and press „LOGIN“.

The user interface then switches to the settings page.



BITTE GEBEN SIE IHREM ROUTER IMMER AUSREICHEND ZEIT, DIE ÄNDERUNGEN NACH EINGABE ODER ANKLICKEN DURCHZUFÜHREN, BZW. ZU ENDE DURCHZUFÜHREN. SOLLTE NACH ANGEMESSERENER ZEIT KEINE REAKTION ODER ÄNDERUNG DER ANZEIGE ERFOLGEN, PRÜFEN SIE, OB IHRE WLAN-VERBINDUNG ZUM ROUTER NOCH BESTEHT. SOLLTE DIES DER FALL SEIN, LADEN SIE DIE ANZEIGESEITE NEU. SOLLTE WEITER KEINE AUSFÜHRUNG DER GEWÜNSCHTEN AKTION ERFOLGEN, WIEDERHOLEN SIE DIE AKTION ODER EINGABE. SOLLTEN SIE AUSGELOGGT WERDEN, MELDEN SIE SICH BITTE ERNEUT AUF DEM ROUTER AN. SOLLTE DER ROUTER NACH EINGABE DER ANMELDEDATEN NICHT ERREICHBAR SEIN, WARTEN SIE BITTE CA. 3 MIN UND VERSUCHEN ES DANN ERNEUT. SOLLTEN ALLE VERSUCHE ERFOLGLOS SEIN STARTEN SIE DEN ROUTER NEU. SOLLTE AUCH DIES NICHT ZUM GEWÜNSCHTEN ERGEBNIS FÜHREN, SETZEN SIE DEN ROUTER AUF WERKSEINSTELLUNGEN ZURÜCK.

The login screen for the router's user interface will now open in your web browser. Manually via the internet browser of your smartphone, tablet or laptop using the IP address, please enter **10.10.10.10**

User: **admin** (please pay attention to the small first letter)

and

Password: **admin01**

and press „LOGIN“.

You can display your entries by tapping the eye symbol. Pressing the eye again hides the password again.

The user interface opens where you can select a language by clicking on the button with the flag and where you have to change the router password and WiFi passwords in the settings page.

Avoid using any passwords suggested by your smartphone or tablet. By entering a personal password, you can also use this to log in with other devices.

Change the router password to a personal password and confirm it by entering it below again. This prevents from an unwanted typo included.

Also note the requirements for the password for the user interface, which must consist of 8 to 32 characters, must contain at least one uppercase letter, at least one lowercase letter and at least one number.

You can use different passwords for the 2.4 GHz WiFi and the 5 GHz WiFi, but we recommend that you use the same one for the sake of simplicity.

Please note that the passwords for the WiFi networks must consist of 8 to 32 characters.

You can display your entries by tapping the eye symbol. Pressing the eye symbol again hides the password again.

SELSAT Abmelden

WLAN getrennt

WLAN suchen VERBINDEN

ADMIN PASSWORT FESTLEGEN / SET ADMIN PASSWORD

Sie haben noch kein Standard Passwort für den Router festgelegt, dies ist zwingend erforderlich ! / You haven't set a default password for this device yet, this is mandatory !

Neues Passwort/ New password

Passwort wiederholen/ Confirm password

Absenden / Submit

Anforderungen: 8-256 Zeichen, mindestens ein Großbuchstabe, ein Kleinbuchstabe und eine Zahl / Requirements: 8-256 characters, at least one uppercase letter, one lowercase letter and one number

Satco Europe GmbH www.selfsat-service.de

ACCESSPOINT 2.4GHZ

WLAN Verschlüsselung

WPA2-PSK

Netzwerkname (SSID)

8-32 Zeichen

Passwort

8-64 Zeichen

Speichern

ACCESSPOINT 5GHZ

WLAN Verschlüsselung

WPA2-PSK

Netzwerkname (SSID)

8-32 Zeichen

Passwort

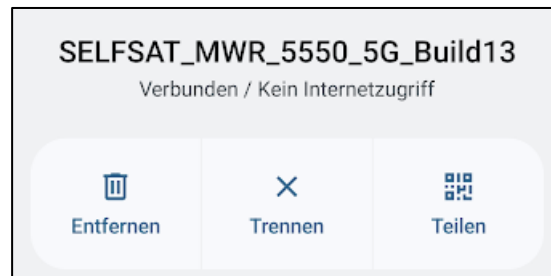
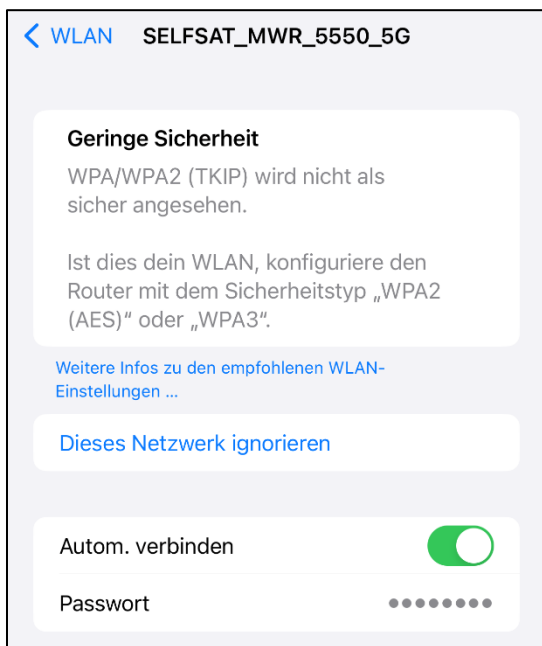
8-64 Zeichen

Speichern

Because you changed your router's WiFi passwords, your device will be disconnected from the router.

Now go to the WLAN settings in the settings of your smartphone, tablet or laptop. The 2.4 GHz WLAN (or your new WLAN name) and the 5 GHz WLAN (or your new WLAN name) of your router are displayed there.

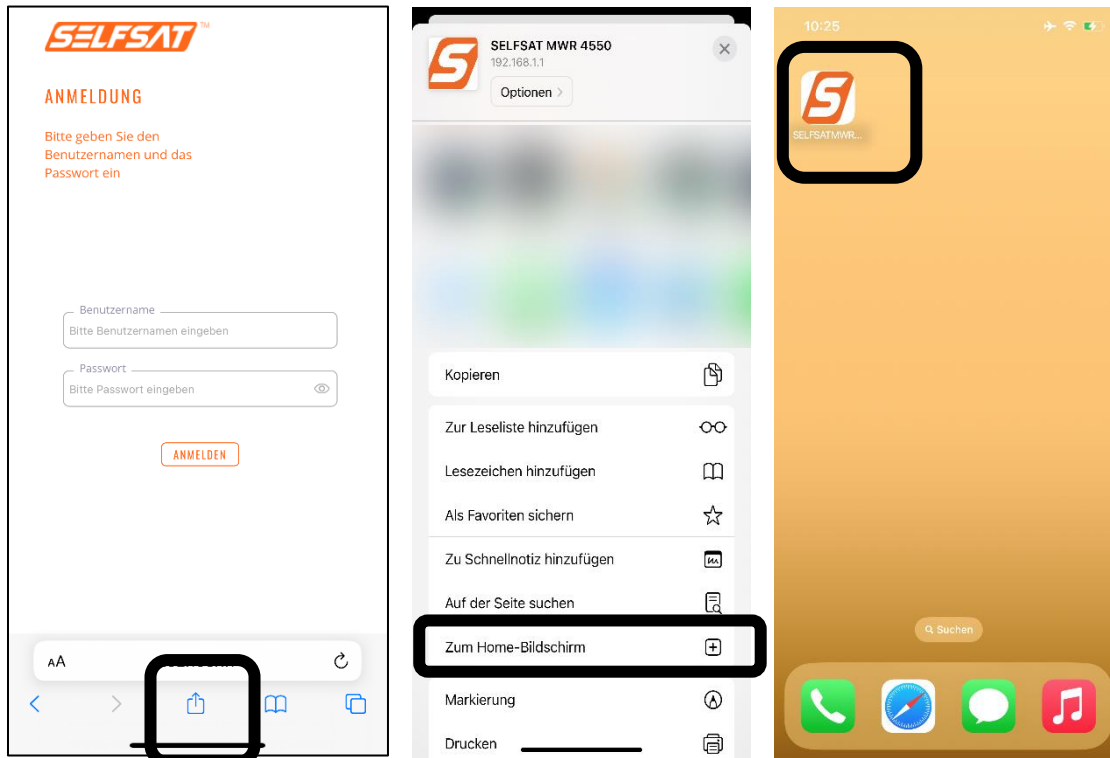
Select the WLAN network you want to connect to (2.4 GHz or 5 GHz). After a while, your smartphone, tablet or laptop should now inform you that the WLAN password is incorrect (only if you are using the same WLAN network as at the beginning) and ask you to enter the correct, new WLAN password that you just assigned. If this is not the case and your smartphone, tablet or laptop continues to try to connect to a WLAN network on the router, you must **"Remove"** the old WLAN connection or **"Ignore this network"** so that it is no longer saved and no password is stored.



This WiFi network is then displayed again as a new WiFi network in the WiFi settings.

You can now reconnect to the 2.4 GHz WiFi or the 5 GHz WiFi, which we recommended, of your router. When asked for the password, enter the new, personal WiFi password that you have just assigned.

Now you can open the user interface again via the bottom left QR code on your router or by entering the IP address **10.10.10.10** in the input bar of the browser of your smartphone, tablet or laptop. In order to create a so-called **"Web APP"** from the login screen on the screen of your smartphone or tablet, via which you can call up the user interface again and again, you can store it on your home screen.



The example shows the process with an iPhone and the Safari browser. On an Android smartphone, the process can vary from manufacturer to manufacturer. You can usually find the menu item "Add to home screen" in the Google Chrome browser if you press the three dots at the top right.

Alternatively, you can create a bookmark in your Internet browser or save the login page of the user interface as a favorite.

Now log in with the user name **admin** and your personal router password that you previously assigned in the router's user interface.

3.3 Connecting with a WiFi

Please always use the "Connect" button to establish connections before performing any other action!

Please always use the "Disconnect" button to disconnect before performing any other action!

If your router shows no reaction after a longer time when executing an action, or remains in an execution state, please check whether the WiFi connection has been disconnected and restore it if necessary.

If the WiFi connection has not been disconnected, try refreshing the display or reloading the page and repeating the desired action.

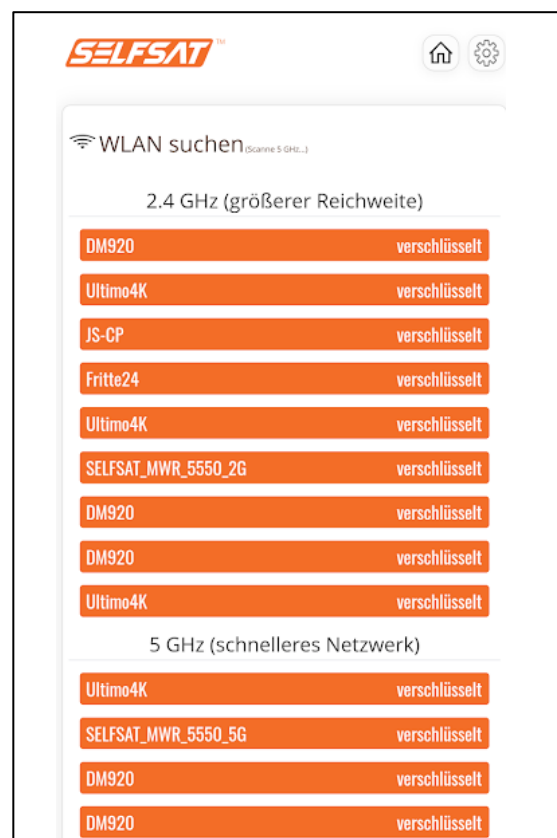
If several connections are active (green, connected), the connections are used in the following order:

(1) Starlink, (2) WLAN, (3) SIM

There is no automatic switching (failover) if a connection is lost, so that you are always aware of the connection and data usage.

If a speed test in the menu does not produce a download result, please change the server using the "Change" button.

In the "WiFi" field, press "Scan for WiFi". The router now searches for available WLAN networks. The router first searches for 2.4 GHz WLAN networks and then for available 5 GHz networks.



The available WiFi networks are then displayed. Select the desired WiFi network, enter its password and press the "Connect" button. If no password is required, just press the "Connect" button.

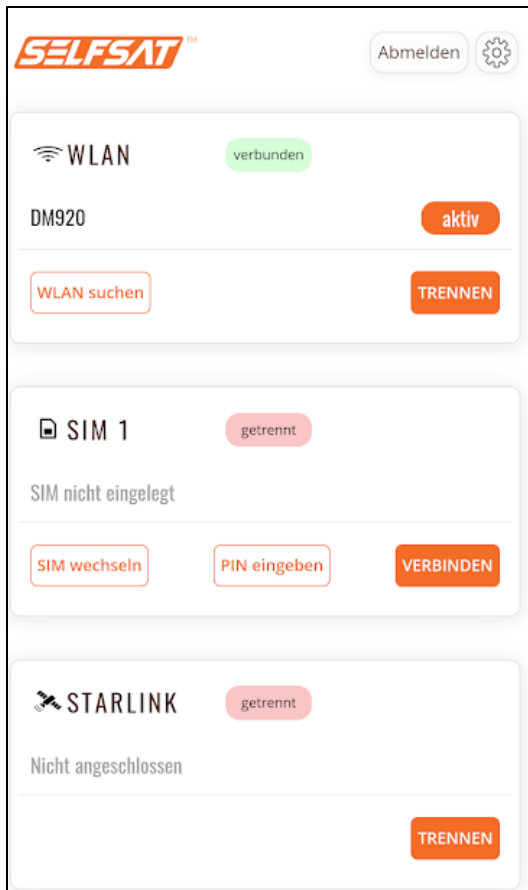


If you press the eye symbol, you can view the password you have entered. Pressing the eye symbol again hides the password again.

If you have accidentally pressed a WLAN, you can close the password input window by pressing "**Cancel**".

By pressing the house symbol in the upper right area, you can return to the main page of the user interface.

The connection is now established. The display switches back to the main page of the user interface. There, the selected WLAN network and the connection status are displayed in the "WLAN" field (green: connected; orange: disconnected). If the password is incorrect, "**Incorrect password!**" appears. In this case, repeat the process and enter the correct password.



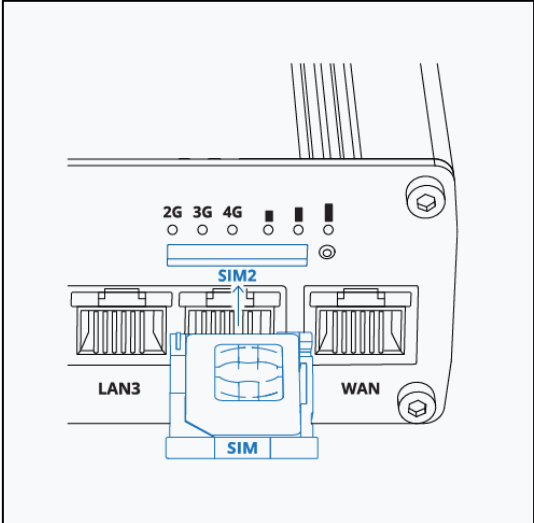
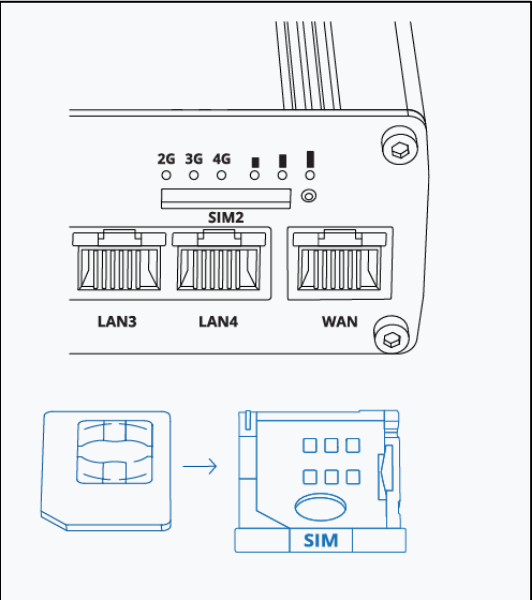
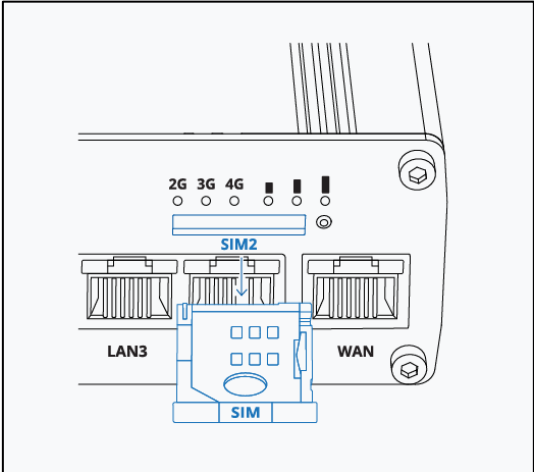
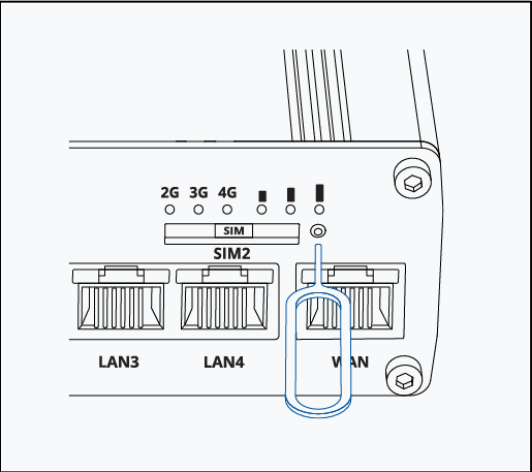
If you are able to connect to an external WLAN but are unable to connect to the Internet, this may be because the WLAN counterpart has the same IP address (10.10.10.10) as your router. In this case, change the IP address of your router in the corresponding menu to 192.168.1.1 (note: after changing the address, you can access the user interface under 192.168.1.1).

In the case of a WiFi with a login page (captive portal), you must now enter selfsat-service.com in the address line (preferably in a new browser window). The WiFi login page is then displayed, where you can e. g. agree to the terms of use and can then use websites or apps. Please note that such WiFi access normally becomes inactive after a time interval and the connection process may have to be repeated.

Always disconnect an existing connection before e. g. you leave the campsite or parking space, or want to connect to another WiFi network, or connect to the mobile network with the SIM card. To do this, press the "Disconnect" button. The connection status in the "WiFi" field then changes to "Disconnected" (orange).

3.4 Using a SIM card

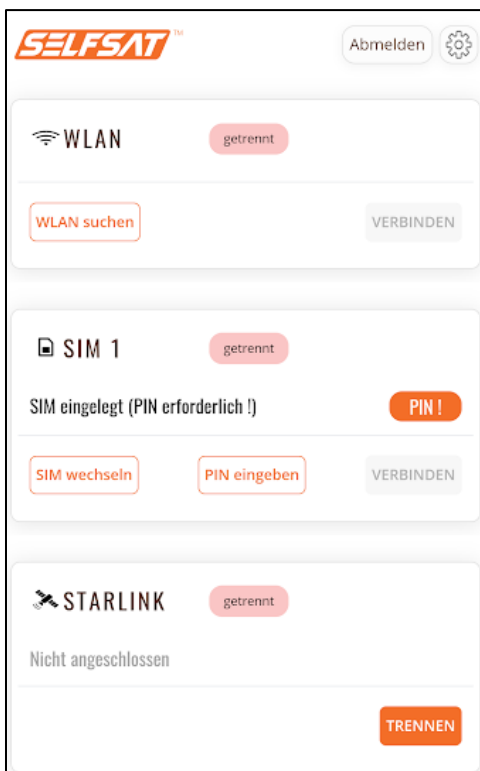
To insert a SIM card into the SIM1 slot, use the SIM slot needle which is included in the scope of delivery together with the SIM card adapters. Push it into the small hole next to the SIM1 slot. The SIM1 tray comes out and can be removed. Insert your SIM card into the SIM tray and reinsert it into the SIM1 slot. If your SIM card has not the right size, use one of the two matching SIM card adapters which are included in the scope of delivery.



If you had already inserted the SIM card before connecting the router to the power supply, it is now necessary to enter the PIN of the SIM card for the first time.

If you only insert the SIM card into the router after it has already been supplied with power, the display in the "**SIM**" field will change to "**PIN needed**" after a short time. It is now necessary to enter the PIN of the SIM card for the first time.

To do this, tap on "**Enter PIN**" in the "**SIM**" field. In the window which opens, enter the four-digit PIN of your SIM card and press "**Save PIN**". The router is now getting registered with the mobile network and the network operator ID and the network used are displayed in the "**SIM**" field. You can then establish an active connection to the Internet by pressing the "**Connect**" button. Alternatively, the router establishes this connection itself after a short time. The connection status in the "**SIM**" field is displayed (green: connected; orange: disconnected).





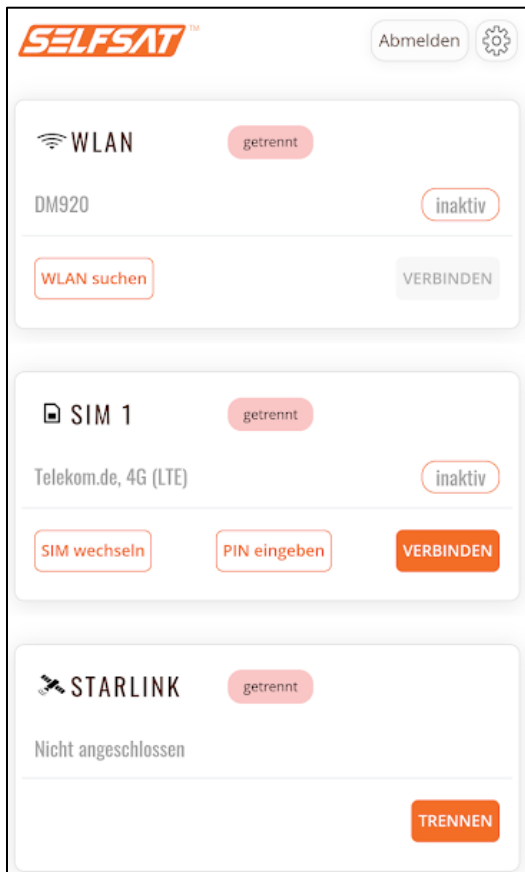
There is now a connection to the internet and all devices and their apps or programs that you have connected to your router via WiFi or LAN cable can be used and access the internet like at home or in a hotel.

If you press "**Logout**" in the upper right area, you will be logged out of your router's user interface. Your router's connections remain active.

Always disconnect an existing mobile network connection before you want to connect to a WiFi network or the mobile network with the second SIM card. To do this, press the "Disconnect" button. The connection status in the "SIM" field then changes to "Disconnected" (orange) and the connection to the internet is interrupted. Since the SIM card is still registered in the operator's mobile network, the network operator ID and the network remain visible in the "SIM" field.

3.5 Using a second SIM card or a foreign SIM card

Make sure that you have disconnected all existing connections before using the 2nd SIM card and that this is indicated by the connection status "Disconnected" (orange) in the "WiFi" field and in the "SIM" field.



If you did not insert the second SIM card before connecting the router to the power supply, but only now, press "**Switch SIM**" in the "**SIM**" field. The change is completed when "**SIM 2**" is displayed in the "**SIM**" field. It is now necessary to enter the PIN of the 2nd SIM card for the first time so that the SIM card can establish a connection with the mobile network. If the display persists after a long time after pressing "**Switch SIM**" with "**Loading SIM**", then refresh or reload the display and press "**Switch SIM**" again.

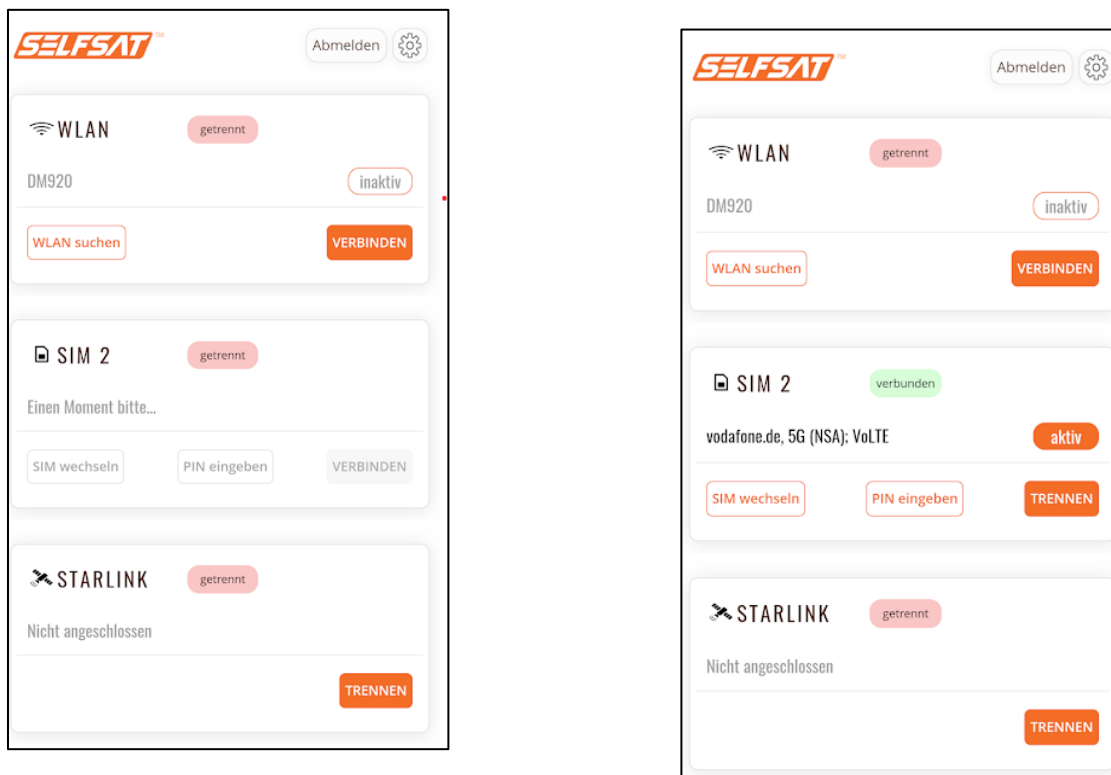
Now press "**Enter PIN**" in the "**SIM**" field. In the window that opens now, enter the four-digit PIN of your SIM card and press "**Save PIN**". The router is now registered with the mobile network.

If the display doesn't change after a while after pressing "**Save PIN**" and the new network operator ID and the network used will not show up, then refresh or reload the display and repeat the entry of the SIM PIN.

The connection was successfully set up when the new network operator ID and the network used are displayed in the "SIM" field. You can then establish an active connection to the internet by pressing the "Connect" button. Alternatively, the router establishes this connection itself after a short time. The connection status in the "SIM" field is displayed (green: connected; orange: disconnected).



If you have already inserted the 2nd SIM card before connecting the router to the power supply, now press "**Switch SIM**" in the "**SIM**" field. The display changes to "**Loading SIM**". "**SIM 2**" will then appear in the "**SIM**" field.



If the display persists after a long time after pressing "**Switch SIM**" with "**Loading SIM**", then refresh or reload the display and press "**Switch SIM**" again. The display in the "**SIM**" field now changes the status several times. The change is completed when "**SIM 2**" is displayed in the "**SIM**" field. This could take up to two minutes. It is now necessary to enter the PIN of the 2nd SIM card for the first time so that the SIM card can establish a connection with the mobile network.

To do this, tap on "**Enter PIN**" in the "**SIM**" field. In the window that now opens, enter the four-digit PIN of your SIM card and press "**Save PIN**". The router is now registered with the mobile network.

If the display doesn't change after a while after pressing "**Save PIN**" and the new network operator ID and the network used will not show up, then refresh or reload the display and repeat the entry of the SIM PIN.

The connection was successfully set up when the new network operator ID and the network used are displayed in the "**SIM**" field. You can then

establish an active connection to the Internet by pressing the "**Connect**" button. Alternatively, the router establishes this connection itself after a short time. The connection status in the "**SIM**" field is displayed (green: connected; orange: disconnected).

If you often use different foreign SIM cards or change your main SIM card, please remove the PIN stored in the user interface before replacing the SIM card in the device. To do this, press "Enter PIN" and then "Save PIN" without having entered a PIN. After inserting a new SIM card, press "Enter PIN", then enter the new PIN and press "Save PIN".

There is now a connection to the internet and all devices and their apps or programs which you have connected to your router via WiFi or LAN cable can be used and access the internet like at home or in a hotel.

If you press "**Logout**" in the upper right area, you will be logged out of your router's user interface. Your router's connections remain active.

Always disconnect an existing mobile network connection before you want to connect to a WiFi network or connect to the mobile network with the 1st SIM card. To do this, press the "Disconnect" button. The connection status in the "SIM" field then changes to "Disconnected" (orange) and the connection to the internet is interrupted. Since the SIM card is still registered in the operator's mobile network, the network operator ID and the network used remain visible in the "SIM" field.

3.6 Connecting devices to LAN by Ethernet cable

Your router has 4 LAN ports on the bottom. You can connect a laptop, a smart TV or a games console directly here, for example.

To do this, use an optionally available Ethernet cable and plug it into a LAN socket on the router. Plug the other end of the cable into the device you want to connect. Your device can now use an active, previously set up connection with your router to a WiFi or the mobile network to access the Internet.

3.7 Instructions for connecting Starlink

Your router is already programmed for the use with Starlink antennas (with or without an Ethernet adapter, depending on the version). It can directly be connected to the WAN port of the router.



If you have connected a Starlink router using a Starlink Ethernet adapter or Ethernet cable and you have already put the Starlink router into bypass mode, you have a direct Internet connection via Starlink. You can stop using data via Starlink by pressing the "disconnect" button. If you have not put the Starlink router into bypass mode, depending on the Starlink antenna, you will need to change the IP address of your router in order to be able to use the Starlink connection with it. Depending on the Starlink antenna, this may also be necessary if your Starlink router is not in bypass mode.

3.8 Setting up VPN connections

By pressing the gear symbol 7 times you can access an extended menu.

There you have the option of configuring an OpenVPN or WireGuard VPN.

Please note that with an active VPN connection, no new devices can be connected to the router. In the extended menu you will also find access to an expert menu. Do not perform a firmware update in this menu!

Our support can also set up a VPN connection for a flat fee. You can find more information on this at selfsat-service.de

4. Tracking your motor home or caravan

In case your motor home got stolen you can locate it as long as the router is powered and the SIM (which needs to be able to receive and send SMS) is connected to the mobil network by sending an SMS to the number of the active SIM in the router with the text

“*Password gps*“ (your router password, followed by space, followed by gps)

You will then receive a SMS in return with the coordinates followed by a Google Maps link.

5. Rebooting or resetting the router

5.1 Rebooting the router

If you ever have problems with your router you can perform a restart in the menu via the restart function. If your router is not accepting any commands via the menu anymore, you can restart it with a so-called hardware reset. To do this, you can de-energize the router by removing the power plug and plugging it back in after a while.

Alternatively, you can also use the RESET button on the bottom side of the router (see figure under 5.2). To do this, insert the SIM slot needle (included in the scope of delivery) in the place marked RESET and briefly press the button behind it (no longer than 4 seconds).

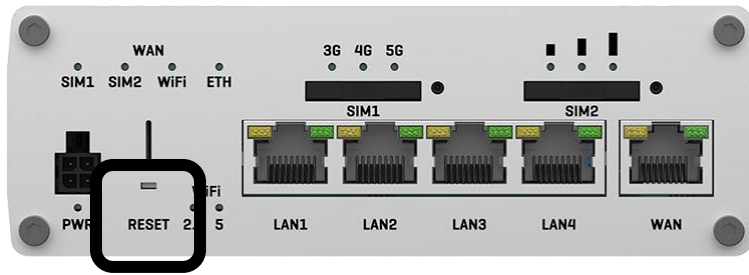
In both cases, the router restarts.

5.2 Resetting the router to factory settings

Should it ever be necessary to reset your router to factory settings (e.g. because you are selling your motor home or caravan), you can perform a factory reset in the menu via the restart function. Alternatively use the SIM slot needle (included in delivery) and insert it in the place marked RESET on the bottom side of your router and press the button behind it **continuously for 11 to 20 seconds** (we recommend 15 seconds and the use of a watch).

The PIN of the SIM card(s) remains saved for technical reasons. Therefore remove the SIM card(s) e. g. when selling your motor home! You can also save invalid PINs for the two SIM cards for security reasons.

To check whether the router has been completely reset, you can try to log in with your personal passwords after the router has fully restarted. If this is no longer possible, the process was successful.



6. Technical specifications

Specifications Router

Supported mobile network generations	5G (up to 3,3 Gpbs), 4G LTE (Cat 20 up to 2,0 Gpbs), 3G (up to 42 Mbps)
Supported WiFi frequencies (incoming)	2.4 GHz, 5 GHz
Supported WiFi frequencies (outgoing)	2.4 GHz
GNSS support for tracking and time sync	Yes
2 SIM card slots	Mini SIM (2FF)
Ethernet interface	1 x WAN, 4 x LAN RJ45
Voltage feed	9 – 50 volts DC
Dimensions	132 x 45 x 96 mm
Weight	533 g
Operating temperature	-40°C – 75°C
Protection rating	IP30

Specification Antenna

4G LTE/5G	LTE MIMO frequency range	698 – 960 MHz, 1710 – 2690 MHz, 2900 – 3600 MHz
	Signal gain	4 dBI
	Cable	LMR100
2.4 GHz/5 GHz WIFI	WIFI MIMO frequency range	2400 – 2483.5 MHz, 4900 – 5825 MHz
	Signal gain	4 dBI
	Cable	LMR100
GPS	GNSS frequency range	1561.098 – 1610 MHz
	Signal gain	40 +/- 2 dB
	Cable	LMR100
	Connector	SMA
Operating temperature		-40°C – 85°C
Dimensions		189 x 182 x 85 mm
Protection class		IP 67 (cable outlet excluded)

In idle mode your 4G/5G/WLAN INTERNET ROUTER has a power consumption of 4 watts (0,33 A at 12 volt), under maximum load 18 watts (1,5 A at 12 volt).

7. Disposal information

Electrical devices do not belong to the household waste, but must be disposed of properly - according to Directive 2012/19/EU of the European Parliament and Council of 4 July 2012 on waste electrical and electronic equipment. Please return this device for disposal at designated public collection points at the end of its life time.

8. Warranty and Service

The warranty for this product corresponds to the legal provisions at the time of purchase.

Satco Europe GmbH assumes no liability or warranty for damage caused by improper use of the product or non-observance of the safety instructions.

If you require service, please get in contact with

Satco Europe GmbH
Waidhauser Str. 3
92648 Vohenstrauß
Germany

Phone: +49 9651 / 924248 – 0

Email: info@satco-europe.de

Web: www.satco-europe.de

9. Conformity

We hereby declare that the product complies with Directive 2014/53/EU (RED).

You can download the complete CE declaration of conformity here:

<https://www.selfsat-service.de/ce-documents>

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Technical changes and errors reserved

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