









Hello,

Our passion for electronics and antennas made us to found our own company called "Antretter & Huber". Detached from the constraints of large companies, we wanted to realise our own product ideas in future. To see the product's creation - from its first ideas to an actual product ready for series production - is still fascinating.

A special stroke of luck were and are the campers with their continous support. We want to say thank you for your help. It's great fun to be part of your community.

Alois, Peter and Andi

give always their best to meet your expectations.

We inform you about modern entertainment while travelling. With "Antretter & Huber" you get internet into your motorhome.

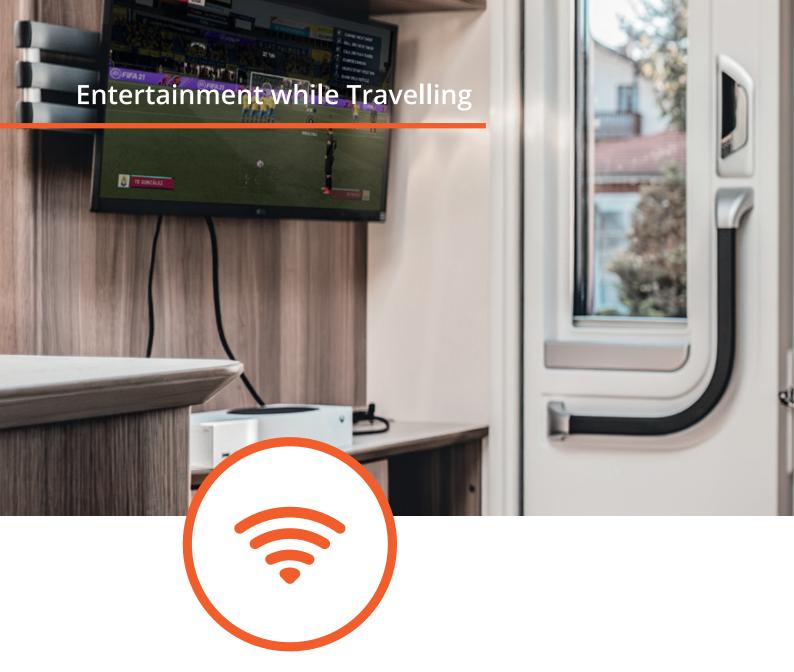


We are constantly developing our products. Sustainability through upgrade and repair.

CONTENTS

Entertainment while travelling	4
Video Streaming	6
Stream your favourite Music	8
Entertainment for Children	10
Mobile Home Office	12
Useful Information	15
Data Consumption	21
CAMPERNET	23
CAMPERNET Pro 5G	28
CAMPERNET Evo 5G-ready	29
Easy Configuration of the SIM-Card	30
Fast WiFi	32
LAN Connection via Ethernet	34
Connection and Installation	35
Our WebApp	37
Technology/Data Sheet -Router	40
Powerful Router while Travelling	42
Antennas	45
Advantages	56
Merchants in your Vicinity	
Our Company's Philosophy	60



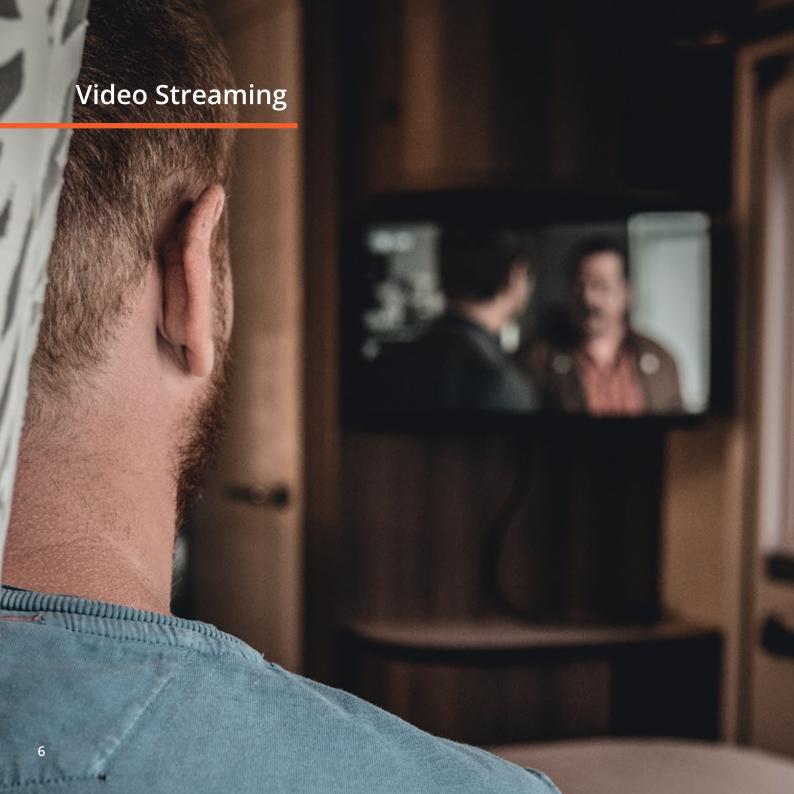




CAMPERNET

brings Internet into the Motorhome

Stream your favourite series, browse the internet without worries or even work while you are travelling: The **CAMPER**NET opens up the unlimited possibilites of the internet when you travel.





Stream Videos, Films and Series while travelling

Watch TV everywhere -whenever, wherever and whatever You want. Due to various internet TV providers, you can zap through the TV program any time while travelling or even watch football together with other campers in your own awning. With the help of the TV channels' media libraries, you also watch your favourite show anytime as well as anywhere. Thanks to well-known streaming providers, you enjoy ad-free blockbusters while travelling.

With our **CAMPER**NET you easily bring your favourite series, films and videos directly into your motorhome.

Television via Internet as a Replacement for Satellite System

- linear television (media libraries of public and private broadcasters)
- streaming plattforms such as YouTube, Netflix, Amazon Prime, Disney+, Apple TV etc.
- Pay TV on demand such as MagentaTV, Sky go, freevee etc.



Significant weight advantage compared to a satellite system. Throughout the EU, every camping TV set can be made internet-capable using a TV stick at low cost e. g. FireTV, MagentaTV, AppleTV, NVIDIA ShieldTV, Chrome Cast etc.

Stream your favourite Music

Listen to Radio, Music, Podcasts & Audio Books while travelling

CAMPERNET enables you unlimited music enjoyment in your motorhome. Listen interference-free to your favourite home radio stations or even your favourite streaming services during your trip at home or abroad.

Or immerse yourself into the fantastic worlds of audio books as well as podcasts. With our **CAMPER**NET you enjoy interference-free your entertainment.

Stream your favourite Music:

- · radio programs live via apps like radio.de or radioplayer.de
- streaming platforms like YouTube Music, Apple Music, Spotifiy etc.
- throughout the EU but also worldwide.

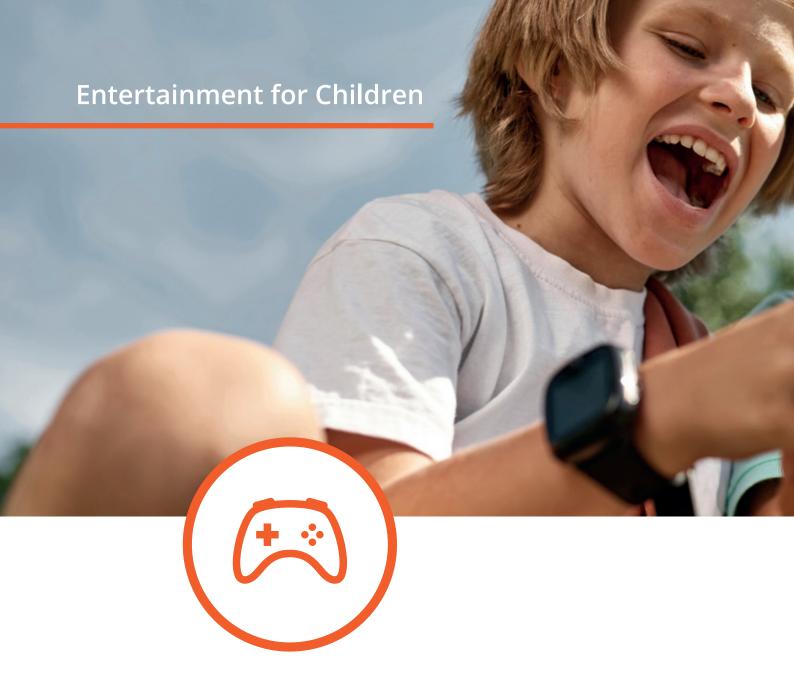


While driving, pair your smart phone with your vehicle's radio via Bluetooth.

At the camp site, switch to your Bluetooth sound bar or WiFi speakers (Sonos, Alexa, Apple HomePod).









With CAMPERNET

even your children are happy on a family vacation

A stable internet connection is essential for a relaxed and stress-free vacation with children.

Regardless whether it's Netflix, Instagram, TikTok or even the game console - you can always rely on our **CAMPER**NET.

Mobile Home Office

The pleasant Side of Working

Video conferences, Cloud connection/VPN to the Company

Move your home office to the country side. Video calls with lake view and fresh country air turn work into a vacation. Swap the virtual background through a real mountain panorama.

Office devices such as our **CAMPER**NET can be claimed for tax purposes. Ask your tax advisor for further information.



Our **CAMPER**NET can be deducted as a low-value asset from taxes. This applies to employees working from home as well as business owners. For further information talk to your tax advisor.



USEFUL INFORMATION





With our **CAMPER**NET you get a high-quality WLAN router that is up to date. **CAMPER**NET offers WiFi 6 with WPA3 encryption as well as data transmission thanks to multi-user MIMO, 4 Spartial Stream technology and patented antenna technology.

Things to know about WiFi

WiFi Technology

There are two WLAN frequency ranges. In the 2.4 GHz WLAN band, the dara rate is lower, but the range is higher. The 5 GHz frequency range is suitable for high data rates /fast internet

With WLAN, several antennas are used for data transmission (MIMO). The maximum data rate depends directly on the signal quality. Current WLAN routers, such as our **CAMPER**NET, can supply several devices with data at the same time, thereby increasing availability.

WiFi 6 to WiFi 5

WiFi 6 is the current WiFi standard and differs from WiFi 5 through more stable WiFi connections as well as higher data rates and lower latencies.

WPA3 to WPA2

WPA refers to the encryption of the radio connection between the router and the respective end devices. WPA2 already existed in 2004 and has it been eliminated, it is still supported, and therefore is not state of the art encryption.

Current WLAN routers have extra cryptographic computing units with which significantly strong encryption can be calculated without loss of performance. This means communication is far more secure than with WPA2 while at the same time increasing data speed.

Interesting Facts about Mobile Communications

Why are there different frequencies and why is the low band so important when travelling outside of villages and cities?

The lower the frequency, the higher the range and the larger the antenna is. A smartphone was made for your pocket and not for optimal reception of low frequencies. With an exposed surface-mounted antenna, the range and data throughput increase significantly compared to a cell phone. Antennas from **Antretter & Huber** were developed for optimal reception in the various installation locations on the vehicle. For more information please look at page 25.

How 5G works on different frequencies:

5G high band 3.5 gigahertz

- works particularly well in small areas (1 km)
- creates bandwidths of1 gigabit per second
- for houses 5G signal ist difficult to reach
- Available/Suitable at train stations or airports

5G Mid band1.8 gigahertz

- fast network for larger areas (2-3 km)
- creates bandwidths of 500 megabits per second
- brings 5G into buildings too
- 5G coverage for cities

5G low band700 megahertz

- brings 5G far into the country (5-8 km)
- creates bandwidths of 200 megabits per second
- fast internet for homes
- suitable for home office and fast network in the country



LTE stands for "long term evolution" and describes all evolutionary stages in the mobile network from 4G onwards. The 4G network therefore remains part of the 5G network.

Multiple Connections to Cell Towers



Carrier Aggregation - Multiple Channels for Data Transmission per Cell Tower



Difference between Evo and Pro

CAMPERNET Evo - LTE



600 Mbps

CAMPERNET Pro - 5G



10x speed 3,400 Mbps

Useful Information about Mobile Phone Tariffs

To use our **CAMPER**NET a data SIM card is required. Prepaid cards are possible, even contract cards or second SIM cards to your already existing mobile phone contract. With a prepaid card additional costs only apply when you are using it. There are no ongoing fees.

There are often cheap offers at tourist centres. A contract card is highly recommended for long-term oder frequent campers. A second SIM card is a cost-effective solution. Hence, you use the data volume of your mobile phone contract. We therefore recommend a high data volume. When using the second SIM card, please note that the SIM card's telephony function is deactivated by your provider.



Prepaid card: only booked data volume, no other costs

Contract card: ongoing monthly costs

Second SIM card: low monthly surcharge, shared data volume with the smart-

phone contract

International card: local SIM card is usually significantly cheaper, but limited roaming function, doesn't work or works only to a limited extent in other countries

Data Consumption

Data Consumption on Television Streaming Platforms

1 hour low quality: 0.4 gigabytes

1 hour medium quality: 1 gigabyte

1 hour high quality: 2 gigabytes

Audio Music

1 hour low quality: 48 kbit/s approx. 0.02 gigabytes

1 hour medium quality: 128 kbit/s approx. 0.06 gigabytes

1 hour high quality: 256 kbit/s approx. 0.11 gigabytes



A low picture quality is usually sufficient for camping TV sets. This saves your data volume. Due to **CAMPER**NET's data saving function, data consumption is reduced and the image quality is automatically adjusted to your needs. This saves you money.

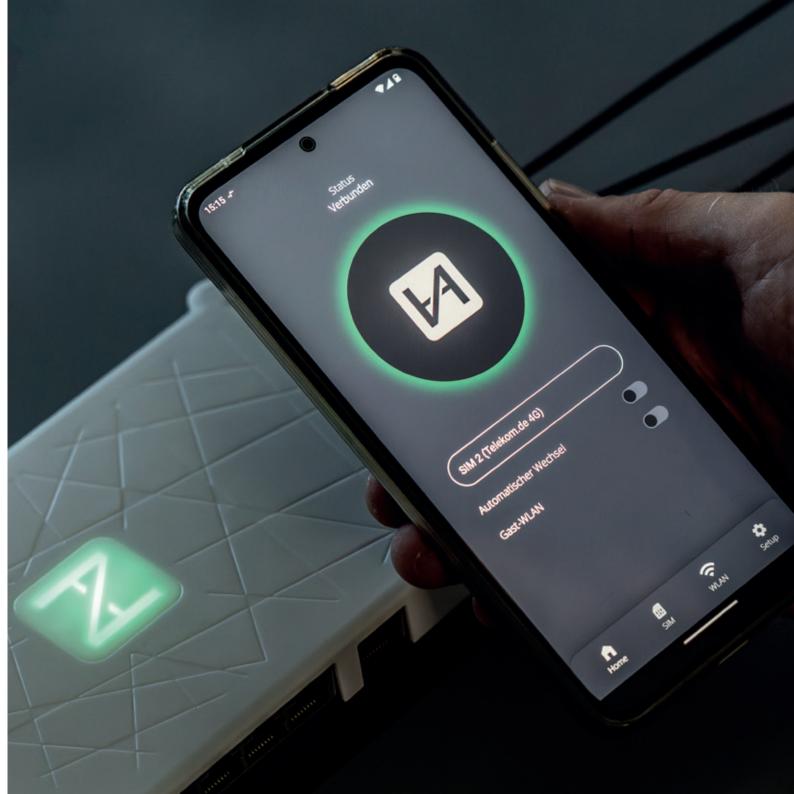
CAMPERNET

Internet in the motorhome





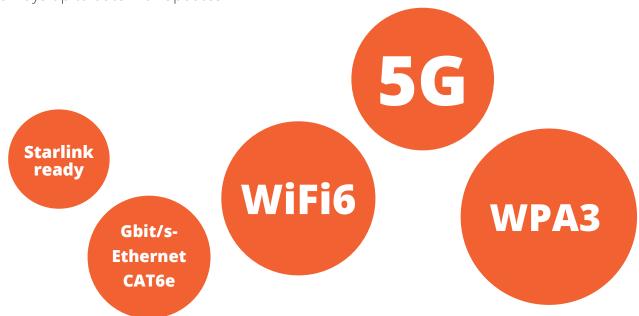




Our best System

The right Solution for every Customer

- fast WiFi thanks to WiFi 6
- security at its best with WPA3
- state-of-the-art cellular connection: **CAMPER**NET Pro 5G
- CAMPERNET Evo 5G-ready upgradeable to 5G
- easy to use with all devices
- best quality engineered by Antretter & Huber
- be always up to date with updates





CAMPERNET Pro 5G



For super-fast Internet

Our **CAMPER**NET Pro ist equipped with a cutting-edge 5G modem for highest demands. The maximum possible data rate in 5G operation is an incredible 3.4 Gbit/s.

During test drives we achieved an astonishing 960 MBit/s. If 5G is not available, the modem works in the LTE network with a maximum of 1.6 Gbit/s. This provides you with ultra-fast internet. The available mobile phone speed depends on the provider, location as well as network expansion.

Covers all mobile bands in the EMEA region (Europe, Middle East, Africa).

CAMPERNET Evo 5G-ready



Reliable Connection

With the **CAMPER**NET Evo you get a high-performance LTE CAT12 modem. The maximum possible data rate of 600 MBit/s exceeds most DSL connections and is therefore completely sufficient for ordinary applications.

Covers all mobile bands in the EMEA region (Europe, Middle East, Africa).

- 1
- Regardless of whether you use **CAMPER**NET **Pro** or **Evo**, with Antretter & Huber you will always stay connected.
- a

If required, the ${\bf CAMPER}{\sf NET}$ Evo can be upgraded to Pro 5G by us.

Easy Configuration of SIM cards

The **CAMPER**NEThas two micro SIM card slots. Pressing your finger on the SIM card will eject it. The **CAMPER**NET signals with the status light whether the inserted SIM card has been APN automatisch wählen successfully recognized. Internet keine Speichern APN automatisch wählen Two Sim card slots

CAMPERNET 's Special Features

- · Automatic SIM card recognition, alternatively manual APN.
- When changing SIM automatic switching
- SIM cards are saved, no further PIN entry necessary
- · Fallback from free WiFi to last used SIM, uninterrupted surfing
- Supports VPN/SSH connections, important for home office

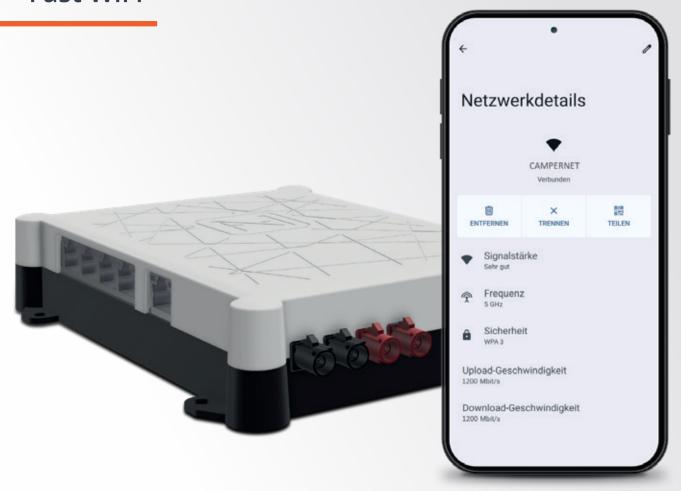
Data Saving Function

With a fast internet connection, streaming providers such as YouTube transmit the highest possible resolution. This increases data consumption enormously, see page 21. For camping TV sets with a small screen diagonal, a normal resolution is sufficient. With the data saving function, the data rate for the respective device is limited. This saves data volume and, above all, money.



CAMPERNET has no roaming/country restrictions. Inserting and setting up the SIM cards are very easy. The simple operating concept leads you step by step to the Internet.

Fast WiFi





CAMPERNET offers you ultra-fast WiFi with WiFi6 technology. In automatic mode, our **CAMPER**NET connects to known WLANs automatically like your smartphone.

WiFi6 / WPA3

With **CAMPER**NET you get a powerful WiFi6 router. This offers 580 Mbit/s in the 2.4 GHz frequency range and a fast 1,200 Mbit/s in the 5 GHz frequency range. There is only one WLAN name for you visible and the **CAMPER**NET takes care of further user handling. Thanks to WiFi 6 ax, up to 1,000 devices can be connected to **CAMPER**NET, with 4 streams possible in parallel. The latest WPA3 encryption technology protects all your devices on the network.

Use WiFi Hotspots

Connect any free or paid campsite WiFi, public hotspots and password-protected networks to the **CAMPER**-NET. You will be automatically redirected to the hotspot operator's login page (captive portal).

CAMPERNET already has integrated WLAN antennas for good indoor coverage. To amplify the external WLAN, our **CAMPER**NET automatically switches to our external antenna. This increases the range as well as optimizes the data rate.

Give your Neighbour WiFi

With the guest WiFi function, you can give your neighbour WiFi. It's separate from your own network and your neighbour's data consumption will be limited. You can also use this function to limit your children's and grandchildren's internet consumption. The internal **CAMPER**NET WiFi for your devices has always priority over the guest WiFi when the data speed is low.

LAN Connection via Ethernet



Network Connections

With the integrated 4-way switch, each with 1Gbit/s, you connect devices such as smart TVs, webcams, games consoles, etc. directly to **CAMPER**NET. It is advantageous for applications that require particularly stable and fast connections such as gaming, trading and web meetings.

The Ethernet WAN port is used to feed in Internet via Ethernet cable, for example Starlink or satellite Internet.



Mistakes when installing and operating the **CAMPER**NETs can hardly be made. All connections are color and mechanically coded. The DC connection is protected against incorrect installation.

Connection and Installation



Assembly instructions

When installing, make sure the SIM card slots do not point downwards and keep distance to other devices. **CAMPER**NET requires at least 10 cm of clearance for cooling purposes. Do not expose it to direct sunlight.

Power Connection

CAMPERNET is equipped with an automotive power supply and is protected against reverse polarity and overvoltage.

Our **CAMPER**NET is switched on or off via the supply voltage.

This can be the main switch or a separate switch.

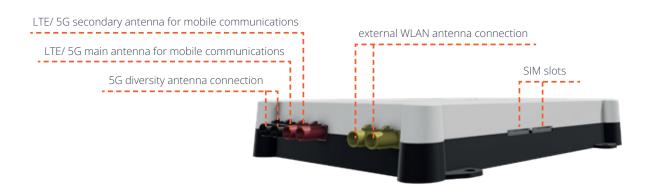
Power supply 9–30 VDC max. 3 A

Cable cross-section 0,25–1,5 mm² (strand/wire)

Secure cable type accordingly

Assignment and Connections







Easy Configuration

1 Set up WebApp

You cannot find the WebApp in the Appstore. Our web app is a website stored on **CAMPER**NET. It is optimized for smart devices and therefore looks like a real app. To use it, simply open your browser (Safari, Chrome). The web app can be operated from any smart device and by multiple users at the same time. No password necessary and still maximum security.

2 Unlock SIM cards

The inserted SIM cards can now be unlocked via the web app. To do this, the relevant SIM card must be selected in the setup menu and activated by using the enclosed PIN number.

3 Assign WiFi password

The name and password of the **CAMPER**NET WIFI can also be assigned in the router settings of the web app!

4 Let's go!

Now all you have to do is connect the individual devices to the **CAMPER**NET WiFi. And here we go!

Easy Operation

Clear User Interface

Easily configure the **CAMPER**NET with the WebApp. Regardless of whether you want to change a SIM card or set up FreeWiFi, the **CAMPER**NET guides you intuitively to the Internet.









Home Screen

SIM Menu

External WiFi

Router Settings



Add the website to your smartphone's home screen. After that you are just one button press away from the **CAMPER**NET.

Technology/Data Sheet – Router

Computing power	4x 1,0 GHz
RAM memory	1 GByte
Speed/Bandwidth	max. 1,8 Gbit/s
WiFi standard	WiFi 6
WiFi encryption	WPA3
WiFi bands	2,4 GHz / 5 GHz
Streams in parallel	4
Ethernet	5x 1 Gbit/s (1x WAN optional)
Power consumption	typically 350 mA
WiFi repeating	yes (also with landing page)



Regardless of whether it is **CAMPER**NET Pro or Evo, with Antretter & Huber you will receive a cutting-edge and well-thought-out system. Based on our customers' feedback.



If necessary, the **CAMPER**NET Evo can be upgraded to Pro 5G by us.





CAMPERNET Evo

max. 600 Mbit/s max. (Down) max. 150 Mbit/s max (Up) LTE-CAT12 2x2 MIMO

CAMPERNET Pro 5G

max. 3.400 Mbit/s (Down, 3,4 Gbit/s) max. 1.000 Mbit/s (Up)

LTE CAT19

max. 1.600 Mbit/s (Down)

max. 200 Mbit/s (Up)

4x4 MIMO (5G+ Dachantenne 4x4)

@hbox evo

Item number: 4260603850754

RRP 649,00 €

@hbox pro

Item number: 4260603850761

RRP 999,00 €

A powerful Router for on the Go



CAMPERNET

WiFi	WiFi6
Encryption	WPA3
Compatibility mode for older devices	WPA2
Ultra-fast web app optimised for smart devices	✓
WiFi repeating with login page (captive portal)	is supported
Dual SIM with automatic SIM detection	✓
Tool-free SIM card removal without	✓
SMS function for SIM card messages	✓
Manual APN configuration with all login procedures	✓
Data saving function	✓
Automatic update function	✓
Repairability (mandatory from 2025)	✓
Status light turns off automatically	✓
Button for reset/factory settings	✓
Monitoring the input voltage	✓
Evo router can be upgraded to Pro	✓

ANTENNAS

The right antenna for every type of vehicle

Assembly Instructions

Whether it's a panel van, caravan or motorhome – we have the correct antenna. Do you own a vehicle with exterior walls made entirely of GRP? Then we recommend the foil antenna, which only needs to be glued to the outside wall from the inside - without any drilling or sealing!

Our attractive roof fin impresses on vehicles made of sheet metal. May it be something more? Then our roof antenna is your first choice.



Simple mounting concept and optimised antenna for every type of vehicle.



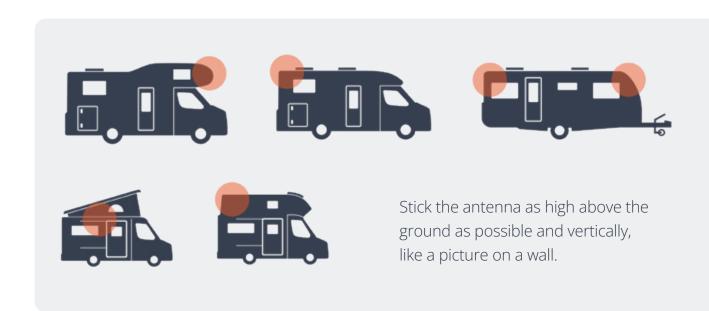
Foil Antenna



Technology	5G 2x2 MIMO
Dimensions	207x177x5 mm ³
Weight	130 g
Frequency range Low band Mid band High band	698-960 MHz 1426-2690 MHz 3200-3900 MHz
Gain	max. 5 dBi
Cable length	2x 1,5 m
Item No.	4260603850860
Assembly of	GRP structure
RRP	129,00 €



Easy installation by gluing from the inside, no drilling of holes and therefore no leakage problems (guarantee).



For motorhomes or caravans that are entirely made of GRP e.g. Euramobil, Forster, spoilers from semi-integrated vehicles

The foil antenna is installed in the interior against the outer wall of the motorhome, e.g. behind the paneling glued. It works very well on vehicles with GRP high roofs, motorhomes with GRP walls or on partially integrated vehicles in the front spoiler. There is a strong adhesive surface on the back of the foil antenna. Before gluing, the respective installation space can be tested by attaching the foil antenna to the desired location with adhesive strips.

Roof Fin 2x2



Technology	5G 2x2 MIMO WLAN 2x2 MIMO
Dimensions	200x60x75 mm ³
Weight	250 g
Frequency range Low band Mid band High band ISM band	698-960 MHz 1426-2690 MHz 3200-3900 MHz 2,4 GHz / 5 GHz
Gain	max. 5 dBi
Cable length	1,5 m
Item No. black white	4260603850815 4260603850839
Assembly of	Metal roof
RRP	159,00€



Suitable for metal roofs. Aerodynamic for cruising speeds over 120 km/h.



For motorhomes or caravans that have a metal roof

e.g. panel vans, Concorde, Fendt caravans

The roof fin is a 2x2 LTE & WLAN multi-band MIMO antenna specifically designed for installation on panel vans. Highest range, high data rate and best reception combined with an attractive design. Available in black and white.

Cable routing: centrally downwards

Roof Antenna 2x2



	5G 2x2 MIMO
Technology	WLAN 2x2 MIMO
Dimensions	173x161x98 mm³
Weight	Central 450 g Laterally 600 g
Frequency range Low band Mid band High band ISM band	698-960 MHz 1426-2690 MHz 3200-3900 MHz 2,4 GHz / 5 GHz
Gain	max. 5 dBi
Cable length	Central 1,5 m Laterally 3 m
Item No. Central Laterally	4260603850846 4260603850853
Assembly of	Hail protected Metal roof
RRP Central Laterally	199 € 239 €



The roof antenna works on every roof, regardless of whether it is a hail protection roof, metal, fiberglass or wood.



For motorhomes or caravans with a hail protection/metal/GRP roof e.g. Fendt, Knaus, Hymer

The roof antenna is a multi-band MIMO antenna for mobile communications and WLAN. The patented antenna structure together with special filter modules offers the highest range, high data rate and best reception.

The roof antenna with central cable routing is specifically intended for installation above the roof opening in the motorhome. The underside of the antenna is provided with mounting adhesive and is glued to the pre-drilled hole in the motorhome roof. The body-independent antenna does not need to be screwed to the roof and does not require a metal plate underneath it for good reception.

Advantage

Can be glued directly to the roof without additional metal plate.

Cable routing centrally: Antenna sits on the roof opening for the antenna cables and seals it.

Cable routing at the side: Antenna cables are routed in a protective tube to the nearest free roof duct.

Roof Antenna 4x4



4 MIMO 2x2 MIMO 61x98 mm³
61x98 mm³
al 450 g Ily 600 g
60 MHz 2690 MHz 3900 MHz Hz / 5 GHz
dBi
al 1,5 m Ily 3 m
503850891 503850907
roof



The roof antenna works on any hail protection roof, regardless of whether it is metal, GRP or wood



For motorhomes or caravans with a hail protection or GRP roof e.g. Fendt, Knaus, Hymer

The roof antenna 4x4 differs from the roof antenna 2x2 by two additional 5G antennas. This makes it the first choice for the **CAMPER**NET Pro 5G.

The roof antenna with central cable routing is specifically intended for installation above the roof opening in the motorhome. The underside of the antenna is provided with mounting adhesive and is glued to the pre-drilled hole in the motorhome roof. The body-independent antenna does not need to be screwed to the roof and does not require a metal plate underneath it for good reception.

Advantage

Can be glued directly to the roof without additional metal plate.

Cable routing centrally: Antenna sits on the roof opening for the antenna cables and seals it.

Cable routing at the side: Antenna cables are routed in a protective tube to the nearest free roof duct.

The advantages

Thanks to our patented antenna technology, you can still have reception even where your cell phone has already failed. We offer you the right antenna for every vehicle, regardless of whether it is a panel van, caravan or motorhome. With our simple assembly concept and the mechanically and color-coded antenna plugs, installation is easy.



Easy to install



Maximum range

2

Ideal antenna for every vehicle



Coordinated with the **CAMPER**NET

	Foil Antenna	Roof Fin	2x2	2x2 Laterally	4x4	4x4 Laterally
Full GRP vehicle, roof, side walls, rear, front on continuous GRP	√		✓	✓	✓	√
Panel van with GRP high roof	✓		✓	✓	✓	✓
Partially integrated with GRP spoiler	√		✓	✓	✓	√
GRP high roofs	✓		✓	✓	✓	√
Box van		✓	✓	✓	✓	√
Motorhome with aluminum roof		✓	✓	✓	✓	√
Motorhome with hail protection/GRP roof			✓	√	✓	✓
Antenna moved to the roof opening				√		√
Campernet Pro 5G					✓	√
RRP	129,00€	159,00 €	199,00 €	239,00 €	269,00 €	299,00 €





Bring fast and secure internet to your motorhome with **CAMPER**NET. Our trusted dealers will be happy to advise you.



Use the dealer search on campernet.com

to find our dealers near you. Simply scan the QR code and get started.



Label of the Retailer

Do you want to become a dealer? Send an email to **support@campernet.com**

Our company philosophy

Developed in Bavaria

We at **Antretter & Huber** develop our products according to the wishes and needs of our customers. Our many years of experience in the automotive industry are reflected in the high quality of our products. Intensive tests in our own laboratory confirm the durability and reliability of our devices.

Our quality standards

We attach great importance to quality and therefore we check every part before it is shipped. We rely on high-quality components from reliable suppliers.





Service

Whether you are a camper, a workshop or a manufacturer, we are happy to provide advice and support. Even after the purchase, we ensure that the software of our devices remains up to date through regular updates.

To update a hardware is not so easy like updating a software, therefore we offer existing customers an upgrade solution. Even if you purchase a **CAMPER**NET Evo, a subsequent upgrade to Pro 5G is possible. Please contact us.

