



Mobile Satellite Reception Systems

Smart solutions for caravans and motorhomes



KATHREIN
Digital Systems GmbH

Who we are and **what** we stand for

We ensure the best possible radio and TV reception

KATHREIN Digital Systems is the market leader for digital satellite, terrestrial, cable or IP reception and signal distribution in buildings and caravans. Our high-quality and reliable product portfolio for modern TV and radio reception is constantly being expanded to include innovative solutions in the field of building technology.

Thanks to extensive know-how in development and unsurpassed quality standards in production, our solutions and systems are among the best in their class. High-quality satellite reception systems in conjunction with sophisti-

cated solutions for signal distribution – whether in single-family homes or in large building complexes – bring the signals to the receiving equipment in best HD quality. New technologies such as SAT>IP, optical SAT distribution or modular headend technology for hotel TV close the gap between traditional signal distribution and modern optical fibre and network technology.

KATHREIN Digital Systems' advanced solutions are also the best choice for mobile TV reception in caravans and mobile homes.

Find out more about us at www.kathrein-ds.com

Our awards:



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WLAN routers

➤ Kathrein Quality routers for Internet reception in motor homes / caravans CAR 150 WiFi Duo

Do you often make trips in your motor home or caravan and find you would like quick and easy Internet access wherever you are in the world? Then your best option is to equip your motor home or caravan straight away with the Kathrein WLAN and LTE router.

Because it has two SIM card slots you can access two different LTE networks at a time, **without having to switch cards**. This doubles your chances of finding excellent signal strength at the camp site or whilst you're on the move.





The compact 5-in-1 antenna with two LTE antennas, one GPS antenna and two WLAN antennas is mounted on the outside of the vehicle to ensure good network reception. This allows you to easily use the WLAN networks on the camp sites, and also take advantage of free hotspots at businesses and restaurants. The router has a user-friendly operating interface which shows you at a glance what signal strengths are available. And makes it very easy to switch between different networks.

Simple & intuitive operation



Main features

- Internet via mobile telephony (LTE) or WLAN
- Two SIM card slots for access to different networks, for instance D1 and Vodafone, or local operators when you're abroad
- 12 V or 230 V power supply

Items supplied:

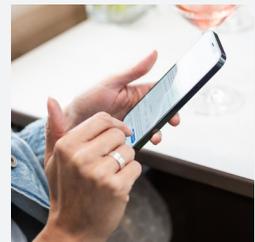
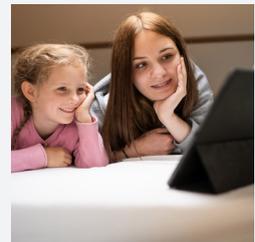
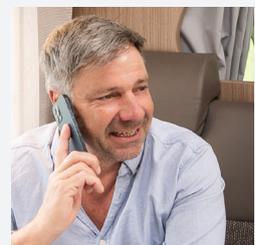
- Router
- Roof antenna
- Internal WLAN antenna
- Roof duct with securing gland
- 230 V power supply unit
- Ethernet cable
- 12 V connection cable

Your own hotspot within the motor home and around it



ADVANTAGE

There is no need to log in your mobile terminals all over again when you switch to a new LTE or WLAN network.





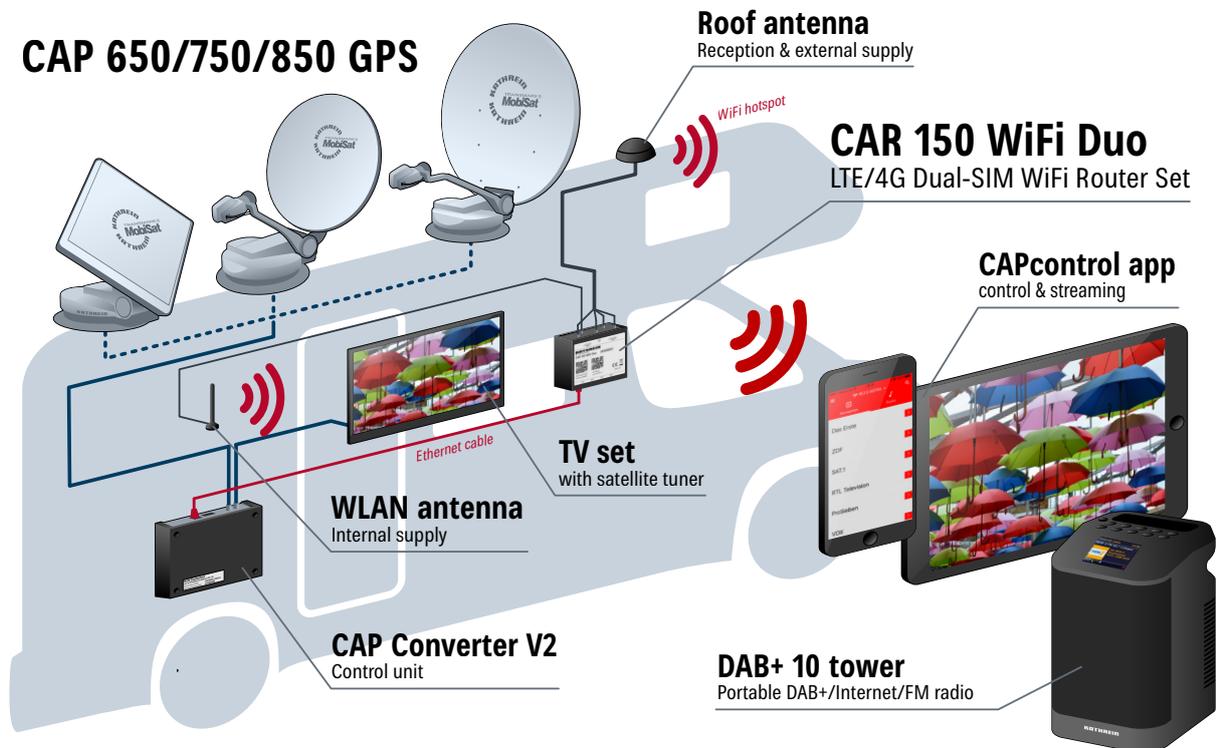
> Streaming of radio & TV channels via the router

CAR 150 WiFi Duo in conjunction with CAP 650/750/850 GPS/CAP 500M plus or HDS 166 plus

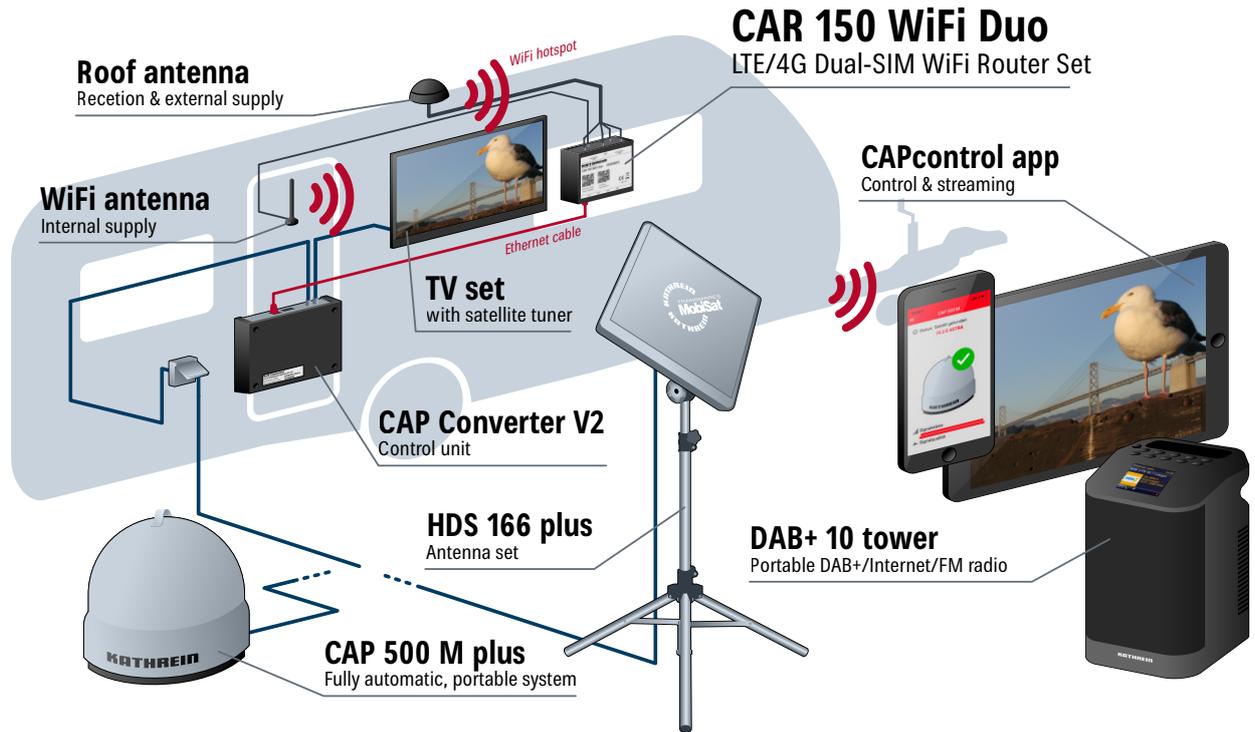
Using CAP x50 GPS, CAP 500M plus or HDS 166 plus with the CAR 150 WiFi Duo router and our free "CAPcontrol" app, you can easily stream the received radio and TV channels on to a mobile terminal. In this scenario the UFZ 131/132 WLAN/USB normally required for streaming is replaced by the router. This has the advantage that the WLAN signal

broadcast by the router via the internal and external antennas has a higher signal strength than that broadcast by the UFZ 131/132 and thus creates a wider radius of use around the motor home or caravan.

CAR 150 WiFi Duo in conjunction with CAP 650, 750 or 850 GPS



CAR 150 WiFi Duo in conjunction with CAP 500M plus or HDS 166 plus



Fully automatic SAT antennas

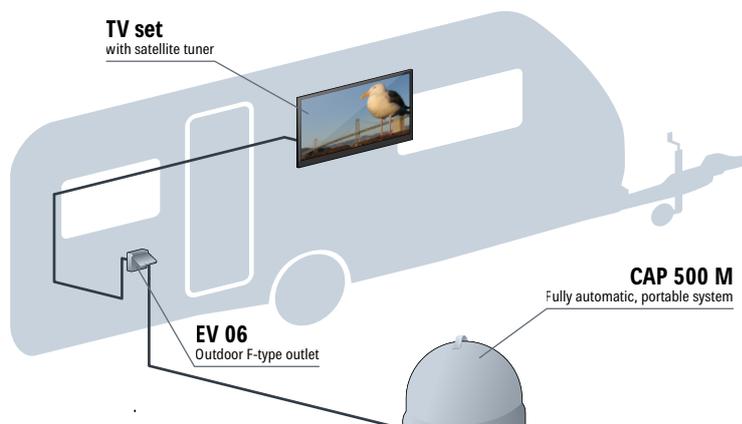
> The portable CAP 500M

- The complete package for fully automatic SAT reception from ASTRA 19.2° East
- Lightweight, portable and thus mobile and flexible to use
- Quick installation and TV reception in typically 90 seconds
- No additional controller required
- Software updating via Bluetooth
- Power supply directly from any TV and any receiver with an integral SAT tuner
- Consumes no power in stand-by
- Anti-theft security

Items supplied:

- Fully automatic SAT antenna
- 10-m coaxial cable
- User manual/operating instructions

CAP 500M in direct operation on the TV set



RRP in €*
949.-



Footprint ASTRA 19.2° East



BN	Type	RRP	BN TV	Type	RRP CTS TV	Total RRP for antenna + CTS-TV
203500003	CAP 500 M	€949.-	204500007	CTS SL-22 DSBAl+K	€699.-	€1,648.-
			204500008	CTS SL-24 DSBAl+K	€769.-	€1,718.-
			204500009	CTS SL-27 DSBAl+K	€849.-	€1,798.-
			204500010*	CTS SL-32 DSBAl+K	€899.-	€1,848.-

* UFZ 132 inclusive

> The portable + streaming
CAP 500M plus

- Live streaming of TV and radio channels on a mobile terminal in conjunction with the free CAPcontrol app
- The complete package for fully automatic SAT reception from ASTRA 19.2° East
- Lightweight, portable and thus mobile and flexible to use
- Quick installation and TV reception in typically 90 seconds
- Software updating via Bluetooth
- Power supply directly via the CAP converter
- Anti-theft security

Items supplied:

- Fully automatic SAT antenna
- 10-m coaxial cable
- User manual/operating instructions
- Kathrein WLAN/USB adapter
- V2 CAP converter

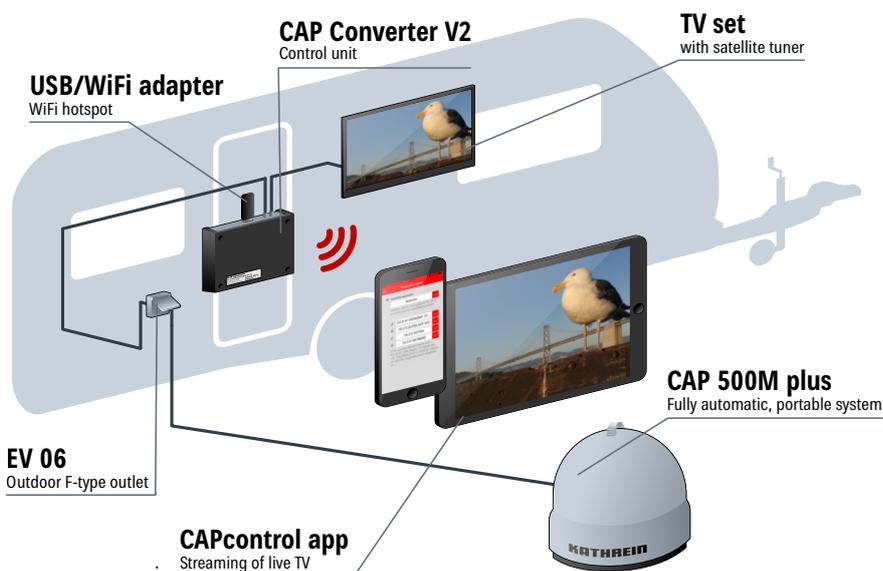


WLAN/USB adapter



V2 CAP converter

CAP 500M plus with streaming of live TV



CAPcontrol app – Streaming of live TV



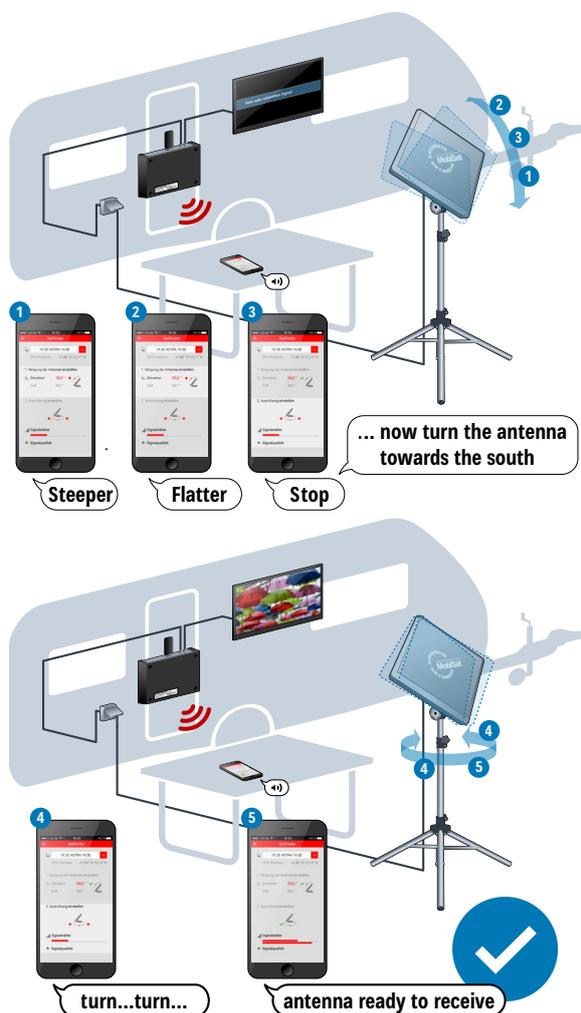
Install the CAPcontrol app here:



"Semi-automatic" SAT antennas

> HDS 166 plus antenna set 2030000002

The new antenna set has been developed as a space-saving and inexpensive alternative to the fully automatic SAT antenna. It's perfect if you have no SAT reception directly at the vehicle, for instance because of shading by trees, and you wish to set up the system at some distance from your vehicle. The interaction between the supplied components is best established using the revised CAPcontrol app (Android and iOS). As soon as all the components have been installed and connected, the antenna is aligned in **60 seconds**. The HDS 166 plus antenna set is your ideal companion – whether you are travelling in a motor home, a caravan or a van.



METHOD OF OPERATION

- Voice wizard for alignment
- Streaming of TV and radio channels on a mobile terminal
- 11 satellites pre-installed
- GPS-capable mobile phone/tablet is required for installation

Manual alignment has never been so easy

Items supplied

- BAS 66 planar antenna (with twin LNB)
- HDZ 66 inclination indicator
- Tripod, adapter joint incl. carrying bag for tripod and antenna
- V2 CAP converter and UFZ 132 WLAN/USB adapter
- 15-m coaxial cable

Recommended accessories

- EV 06 outdoor connection plug | 218464
 - 12 V power supply unit | 1683660
 - Adapter cable | 197500004
- For connection to a 230-V socket (adapter cable essential). Both obtainable from our central service and repair workshop CSS Caravan-Sat-Service GmbH

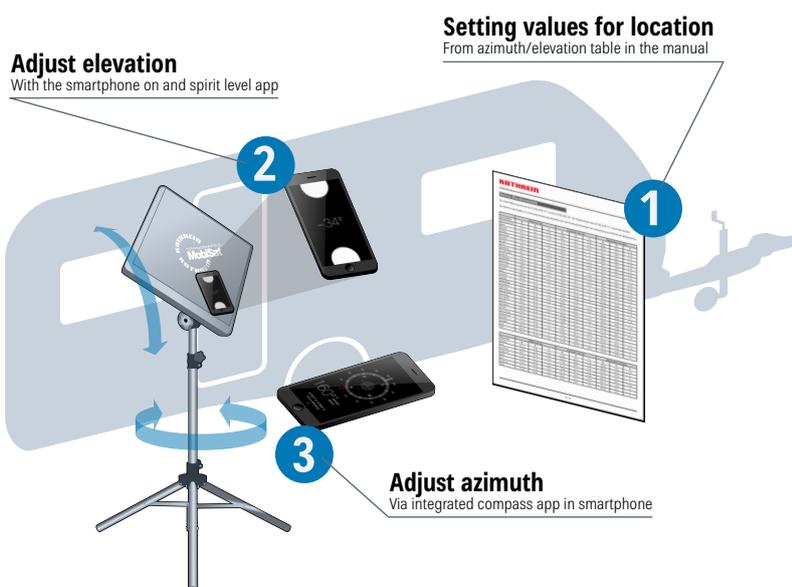
> HDS 166 antenna set

The HDS 166 antenna set, consisting of a planar antenna, SAT tripod, adapter joint, 15-m coaxial cable and carryingbag for manual SAT reception is an excellent alternative to a fully automatic permanently installed antenna.

The BAS 66 Skew planar antenna is very well suited to searching for satellites and setting them up using a mobile phone and a compass app (depending on the mobile phone and operating system such an app may be pre-installed).

Align the antenna in three easy steps:

- 1 Read the settings shown in the manual for the Azimuth/Elevation table supplied
- 2 Start the compass app, place the mobile phone on the planar antenna and set the inclination (elevation) of the antenna
- 3 Use the spirit level app to determine the satellite position (for instance in the Munich area the Astra 19.2° East = 169.80°), and turn the antenna in that direction



Footprints

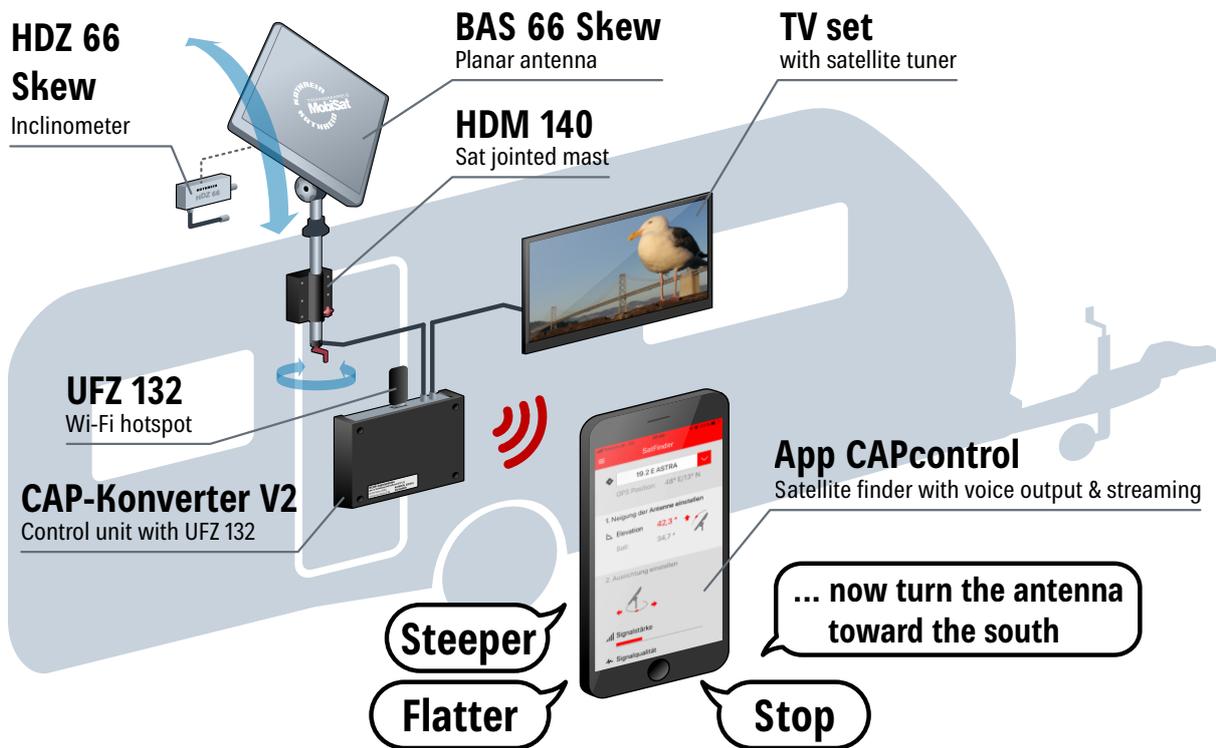


■ ASTRA 19.2° East ■ Hotbird 13° East

* KATHREIN Digital Systems GmbH recommended retail price

> Complete solution with HDM 140/HDM 141 SAT jointed tripod mast

SAT jointed tripod masts allow optimum erection and rapid alignment of the BAS 66 planar antenna from inside the vehicle.



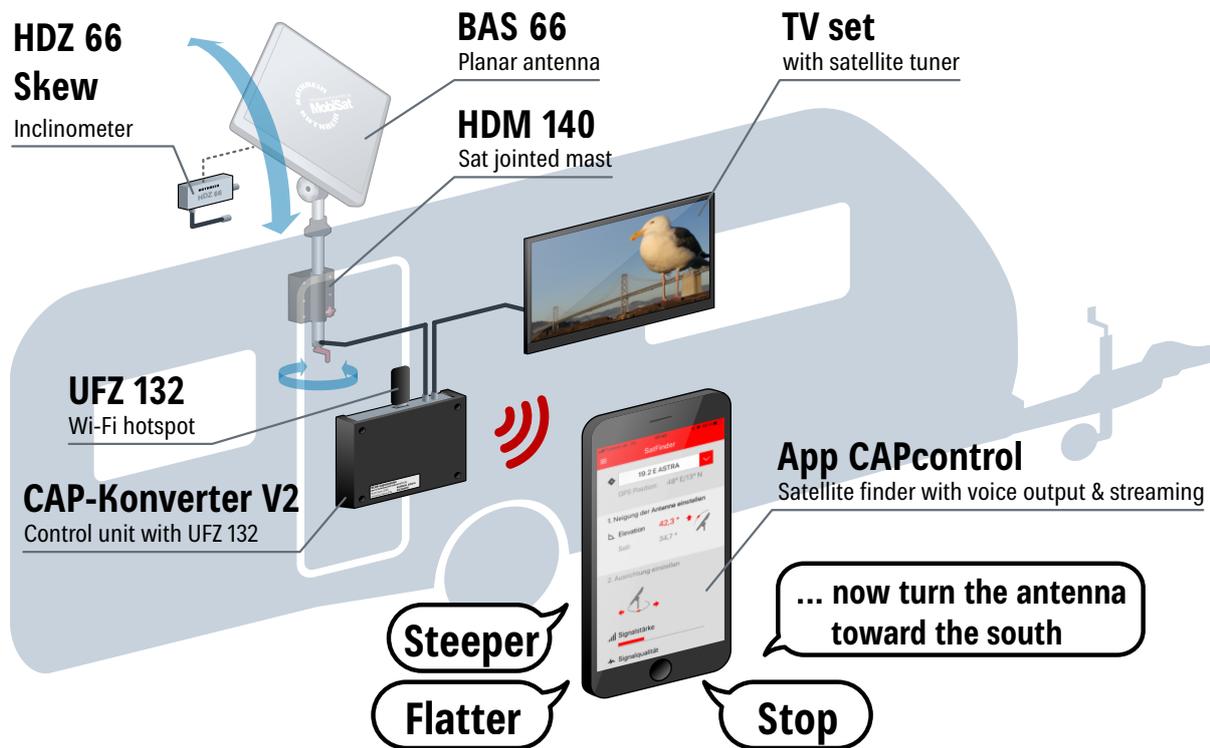
The complete HDS 166 plus/HDM set consists of:

Order no.	Product	Description	RRP in €*
2000000001	BAS 66 Skew	Planar antenna with twin LNB and skew adaptor plate; Reception range: 10.7–12.75 GHz, fits a HDM SAT jointed tripod mast	229.90
218456 or 218457	HDM 140 or HDM 141	HDM 140: SAT twin jointed tripod mast for BAS 66/BAS 66 Skew for caravan installation, 103 cm long HDM 141: SAT twin jointed tripod mast for BAS 66/BAS 66 Skew for caravan installation, short version, 76.5 cm long	229.–
204500002	HDZ 66 Skew	Inclination indicator: Necessary for easy alignment using the app	99.–
204500001	V2 CAP converter	Control unit: Necessary for easy alignment using the app	249.–
204500005	UFZ 132	WLAN/USB adapter: for wireless connection of suitable network-capable Kathrein receivers, IEEE 802.11n, WLAN hotspot	39.90

* KATHREIN Digital Systems GmbH recommended retail price

> Extension set for existing SAT jointed tripod mast systems

The extension set extends a planar antenna set (such as BAS 66 with a HDM 140 jointed tripod mast) already installed in the caravan so that the system can be aligned using the app.



The extension set comprises:

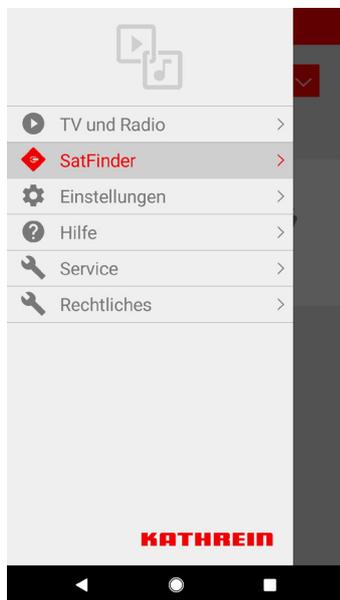
Order no.	Product	Description	RRP in €*
204500002	HDZ 66 Skew	Inclination indicator: Installation set for BAS 66/BAS 66 Skew	99.–
204500001	V2 CAP converter	Control unit: Necessary for easy alignment using the app	249.–
204500005	UFZ 132	WLAN/USB adapter: for wireless connection of suitable network-capable Kathrein receivers, IEEE 802.11n, WLAN hotspot	39.90

Control via the app



> CAPcontrol app

Integration of the SAT finder: Supported alignment by detecting the HDZ 60/66 inclination indicator and acoustic instructions.



Internal video player

The performance of the app has been further significantly enhanced by use of the internal video player: You can now change channels simply by swiping from left to right!

> Download the CAPcontrol app here:



Advice and service

> Caravan service partners

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> We're looking for you!

Would you like to become a Kathrein Caravan service partner?

Please apply at:

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Ihr Fachhandelspartner:

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