

# TELECO Telair

EN

2019

Comfort when travelling



[www.telecogroup.com](http://www.telecogroup.com)



## A perfect combination of form, function and materials

1 A design to match perfectly any type of recreational vehicle in terms of both its outer shape and its interior furnishing details.

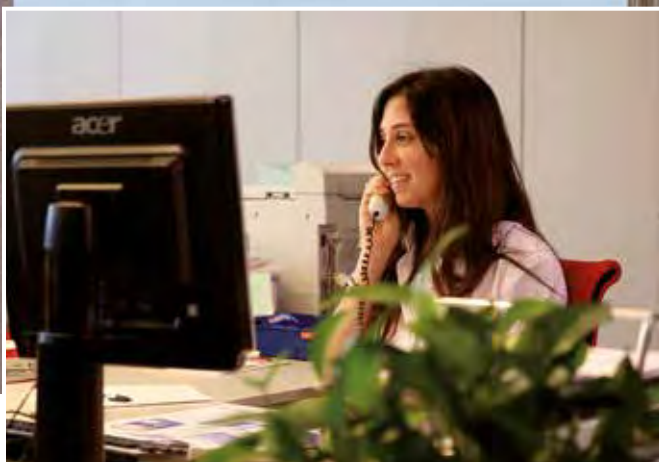
2 Continuous technical innovation, the fruit of years of experience, refreshed and updated for future challenges thanks to the enthusiasm, imagination and skills of Teleco's team of young designers.

3 Materials chosen after conducting strict quality checks and tests, to guarantee that every product will retain its appearance over the course of a long working life.

These three simple 'ingredients', which form the basis of our success in all the European markets, can be found combined in every Teleco product.



**Meeting customers' expectations and solving their problems immediately is a must for Teleco.**



## **Teleco provides outstanding technical and sales assistance**

Ever-closer relations with customers to provide them with good advice at the time of purchase and effective assistance throughout the product life cycle.

It's not always possible to eliminate a problem at its root because

it can be caused by local situations or even chance occurrences;

but what is certain is that the response must be fast, almost instantaneous.

**1) Multi-lingual support centre that you can call directly for any minor technical problems.**

**2) E-mail support centre that you can contact with more complex issues requiring a more detailed response.**

**3) Teleco is continually investing in the expansion of its outstanding support network. This allows us to offer you a fast, skilled support service which ever country you're in, even when you're on holiday. Independent Servicing and Repair Centres are available throughout Europe, providing a fast, expert response to all customer requests; this is made possible because Teleco organises periodic training and updating courses that are attended by professional technicians from all over Europe.**

## **Independent service and repair centres throughout Europe**

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# TELECO HUB central control unit via smart phone for campers and caravans

The ideal interface for using your smartphone to control your camper van or caravan by means of a simple app.

It operates via Bluetooth when nearby and via SMS from a distance. Operation via Bluetooth is completely free of charge, whereas controlling via SMS requires the installation in the Teleco HUB box of a Micro SIM CARD (either contract or PAYG).



## TELECO HUB CONTROL CENTRE

- Power supply: 12 Volts (10-15 V DC)
- Max consumption: 300 mA
- SIM Card connector: Micro SIM card
- Number of phones able to be connected via Bluetooth: 4
- Auxiliary outputs: 2 clean contacts 10 A 250 V AC / 30 V DC
- Inputs: 2 digital channels (internal voltage 6 Volts)
- Dimensions: 147x97x35
- Weight: 200g



SMS



Bluetooth



# What can you do with your smartphone?

Turn the Telair conditioner on/off and set the temperature.



Remote-control closure of the Flat Sat antenna to prevent gusts of wind damaging it.



Turn lights on/off. Check the temperature inside the vehicle, the battery level and the drinking and waste water levels, or whether door or skylight are open or closed.



Turn the TIG generator on/off



Alarm system with receipt of an SMS message in the event that someone starts your vehicle. Activation on your smartphone of a system to track your vehicle on Google Maps.

**NOTE:** In order to track your vehicle the SIM card installed in the Teleco HUB control centre must allow internet navigation.



## IFS

### ANTENNA Interface

It is used to connect the satellite antenna to the Teleco HUB control centre. Thanks to this solution, all Teleco DVB-S2 satellite antennas are compatible with Teleco HUB, even those already installed in vehicle



**Dimensions:**  
75x47x24 mm  
**Weight:** 40g

## ICL

### AIR CONDITIONER Interface

Used to connect the Telair air conditioner to the Teleco HUB control centre. Thanks to this solution, all Telair Silent and DualClima air conditioners are compatible with the Teleco HUB.

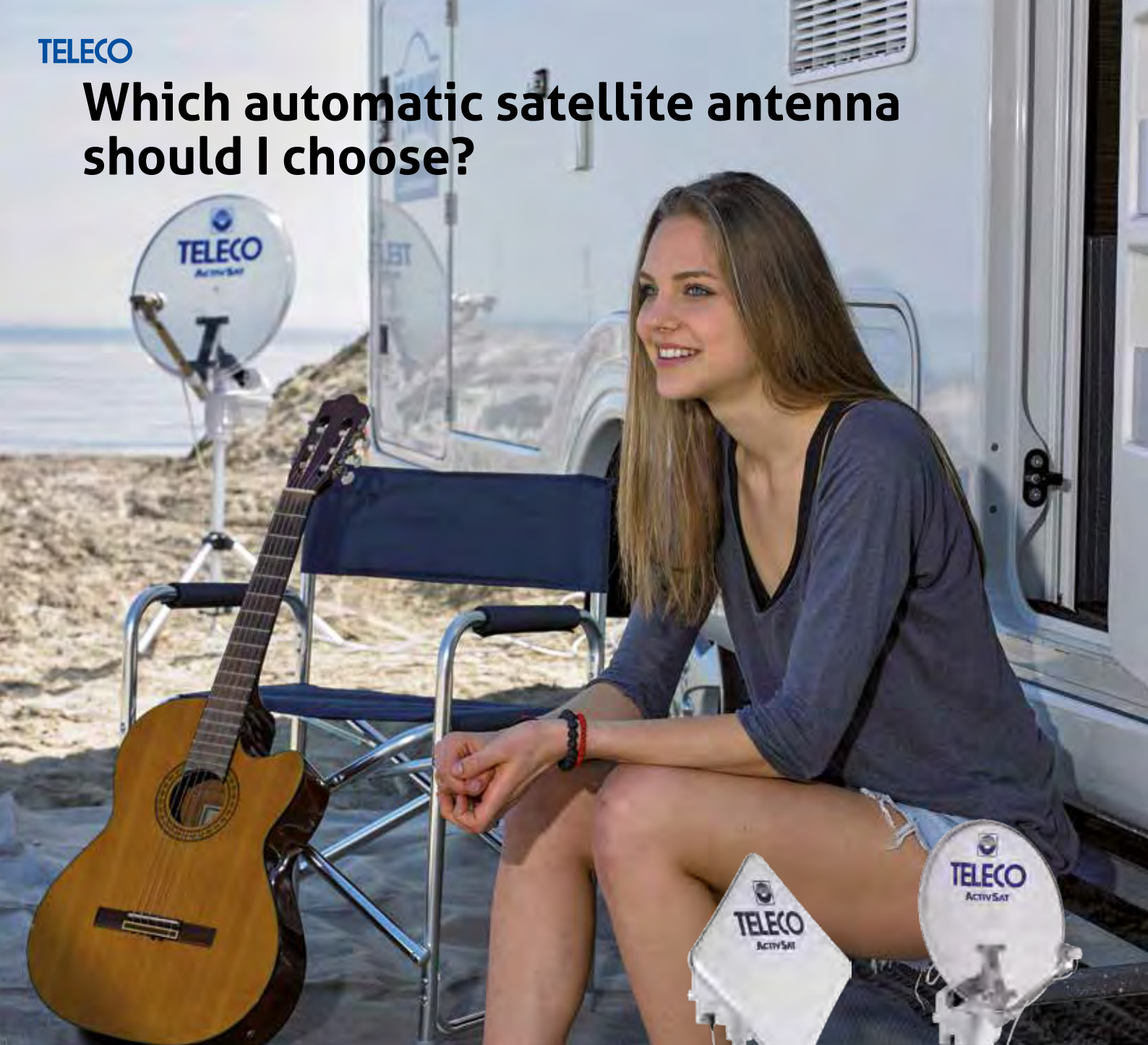


**Dimensions:**  
69x42x22 mm  
**Weight:** 40g



**Note:** This interface is also compatible with CI-BUS systems.

# Which automatic satellite antenna should I choose?



## ACTIVSAT

Portable Automatic System installed on a mobile tripod, suitable for all those who love to spend their holidays with their caravan parked in the shade of the trees. This is also the ideal solution for owners of compact camper vans that do not have enough roof space to attach an automatic or manual satellite antenna.



## FLAT SAT EASY - FLAT SAT CLASSIC – TELESAT

Three automatic satellite antenna models that can be installed on your motor home roof. All three feature an internal control panel with 10 satellites stored in the memory, are extremely user-friendly and compact enough to be installed even in the tightest spaces. The models differ only in terms of the mechanical construction technology of the outer unit and the different satellite dish sizes (larger on Flat Sat Easy units).



## FLAT SAT EASY SMART- FLAT SAT CLASSIC SMART

While mechanically similar to the previous models, these two feature the SMART function. This ensures, once the antenna has been switched on via the control panel, that it tracks the satellite automatically simply by selecting the desired channel via the TV remote control.

## FLAT SAT ELEGANCE 2 SMART

## FLAT SAT KOMFORT 2 SMART

Two Satellite Systems consisting of Automatic Antenna with TV. All operations can be performed using just the TV remote control. Just change channel and the system automatically and quickly points the dish at the relative satellite. If the TV is switched off the antenna is lowered automatically. When the TV is switched on, the antenna opens up and automatically locks onto the satellite transmitting the selected channel. All very user-friendly. Again, the two systems differ in terms of the mechanical construction technology used for the outer roof-mounted unit and the different satellite dish sizes (larger on Flat Sat Elegance units).

## FLAT SAT SKEW EASY SMART

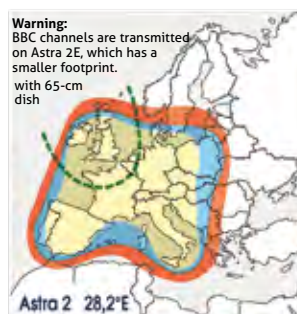
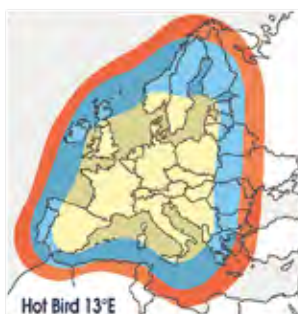
Antenna model designed for real globetrotters. Equipped with a GPS-piloted automatic LNB rotation system (SKEW) that provides maximum signal strength even in critical zones.



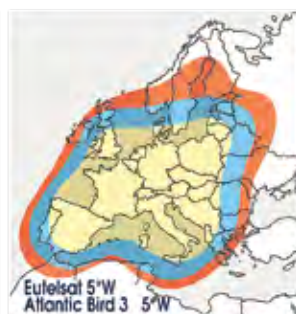
### Footprint: advice on choosing a satellite dish

Reception of television and radio signals is guaranteed within the coloured areas (footprints). Cloud cover and rain could adversely affect reception of the satellite signal. So it is important, when choosing your satellite system, to check carefully that the dimensions of the dish are sufficient to receive a good satellite signal in the places that you will be visiting.

### Footprint key



Warning:  
BBC channels are transmitted  
on Astra 2E, which has a  
smaller footprint.  
with 65-cm  
dish







## ACTIVSAT SMART

### Portable Fully Automatic Satellite System

You can park your caravan or camper van in the shade of a tree and install your ACTIVSAT automatic system alongside it on the lawn.

#### Three Different satellite antennas :

- 1) Transparent Acrylic Dish 85 cm, low visual impact
- 2) Transparent Acrylic Dish 65 cm, low visual impact
- 3) Square Flat Antenna 53x53 cm

Just open the Tripod, fit the Motor Unit on top of it, slide in the dish and connect the cable (15 m) to the external Activsat socket on the vehicle.

Very quick and easy installation, no tools needed. Align with the satellite in just a second, with your smartphone via Bluetooth or simply by pushing a button in the control box inside your caravan or van.



You can easily select between 2 Modes of Search:

**Quick Search** (the dish limits the search to just 120° and, in addition to being much faster, it saves 70% of battery power). To use Quick Search you first have to point the dish in South Direction, using the Compass supplied. If you cannot find South, you can switch OFF **Quick Search** and the system will automatically perform a Total Search (360°).

Every time ACTIVSAT aligns with a satellite, the position is saved on the system memory to save time when the next search is made.

#### COMPASS

establishes the exact position of the antenna in real time, thus making it easier to position the latter in the direction of the desired satellite.

#### SKEW

indicates, on the basis of the position of the antenna and the selected satellite, whether the LNB needs rotating.





### Indoor unit with very attractive design, small size and equipped with:

- 1) 16 satellites in Memory ,
- 2) Graphic high definition blue OLED display
- 3) **SAT** Button / **Quick Search** Button / **Parking** Button
- 4) Bluetooth incorporated to control ACTIVSAT directly from Smartphone
- 5) Anti-theft alarm with very loud beeper (91 dB) with ON-OFF switch.
- 6) Additional output to connect either an external, high-power siren or an external light
- 7) ON-OFF power switch
- 8) Immediate software update via Bluetooth with your smartphone

### Dual Anti-theft Alarm:

- 1) If somebody cuts the cable, a very loud beeper is activated and an external light can be automatically switched on and an external siren (optional) activated
- 2) The external antenna unit is matched with its internal controller through the Serial Number. All SNs are in a Teleco Data Base. If somebody steals the outdoor unit, he/she cannot use any other internal control unit without providing the SN of the external unit and his/her name.

### Five Models available:

- |                      |          |
|----------------------|----------|
| 1) ACTIVSAT 85       | Kg 10,40 |
| 2) ACTIVSAT 85T Twin | Kg 10,40 |
| 3) ACTIVSAT 65       | Kg 8,50  |
| 4) ACTIVSAT 65T Twin | Kg 8,50  |
| 5) ACTIVSAT 53SQ     | Kg 10,50 |

### ActivSat bags (optional)

Items are easily stowed and transported thanks to 2 hard-wearing bags: one for the dish and one for the outdoor unit with tripod and cable.

#### MODELS:

- BAS/TR - Tripod bag
- BAS/65 - Ø65 dish bag
- BAS/85 - Ø85 dish bag
- BAS/65 - Square antenna bag





## EXTERNAL SOCKET FOR ACTIVSAT (optional)

### SPECIFICATIONS

Material: ABS  
Colour: white  
outside, black inside

### INPUTS:

- connector for 10-pole ActivSat motor cable
- F connector for ActivSat coaxial cable
- F connector for second coaxial cable (ActivSat Twin)
- F connector for coaxial cable for external TV
- 12 V DC universal socket (Max 10 A) with rubber cover and Faston terminals for external TV power supply



Mod. PAS/F  
FAWO

### AVAILABLE MODELS:

- PAS/W - ActivSat Westacc socket
- PAS/F - ActivSat Fawo socket



Mod. PAS/W  
WESTACC

## SE110 - EXTERNAL SIREN (optional, not supplied)

12 V DC - 110 dB





## Automatic satellite antennas with wall-mounted control panel



		Flatsat Classic S	Flatsat Classic SMART	Flatsat Easy S	Flatsat Easy SMART	Telesat	
HD		✓	✓	✓	✓	✓	
Internet							
DVBS-2		✓	✓	✓	✓	✓	
Berker panel		✓	✓	✓	✓	✓	
Number of satellites		10	10	10	10	10	
SMART control			✓		✓		
Protective cover LNB GPS				✓	✓		
SKEW							
Overall dimensions	50cm	63 cm 15 cm					
Closed	65cm	78 cm 15 cm	78 cm 15 cm	85 cm 17 cm	85 cm 17 cm	73 cm 19 cm	
	85cm	98 cm 17 cm	98 cm 17 cm	104 cm 17 cm	104 cm 17 cm	94 cm 20,2 cm	
Weight (approx.)	50cm	8,8Kg					
	65cm	9,0Kg	9,0Kg	10,5Kg	10,5Kg	9,0Kg	
	85cm	10,8Kg	10,8Kg	11,6Kg	11,6Kg	10,6Kg	
Dish dimensions	50cm	49x45,5cm					
	65cm	63,5x59cm	63,5x59cm	72x67cm	72x67cm	63,5x59cm	
	85cm	85x78cm	85x78cm	91x85cm	91x85cm	85x78cm	
Optional		TWIN, QUAD	TWIN, QUAD	TWIN	TWIN	TWIN	

## Satellite Antennas with automatic alignment


Teleco differs from other brands in its use of highly durable lightweight materials.

This enables us to guarantee that the equipment will not deteriorate, even over many years.

The weight and overall height of Teleco's automated antennas are reduced to the minimum without sacrificing quality.



## Flatsat Easy Skew SMART



- TELECO - PRODUCTS 2019**



## FlatSat Classic S

Automatic HD satellite antenna with wall-mounted control panel and 10 memorised satellites. It can be used together with any receiver or Sat TV such as: TNT SAT, FRANSAT, SKY, TivùSat, CANAL DIGITAAL, TV VLAANDEREN, CANAL SATELLITE, BIS TELEVISION, TELESAT, etc.

## FlatSat Classic SMART

The same as FlatSat Classic S, but with the addition of the SMART function:

A system with the SMART function 'knows' which channels are broadcast on which satellites. With this system you just have to select or switch to the channel you want and the antenna will point automatically to the correct satellite.

The FlatSat Classic SMART is compatible with all Satellite Receivers and TVs featuring the DiSeqC function (Teleco, Tivùsat, TNT Sat, Fransat, SKY, Canal Digitaal, TV Vlaanderen, Telesat etc.).

### FlatSat Classic (SMART) consists of:

- 1 External satellite antenna
- 1 DVB-S2 Control unit complete with leads
- 1 Intelligent control panel

### New intelligent control panel:

- By default, the following satellites are stored in the memory:  
Astra 19, Hot Bird, Astra 23, Astra 4, Eutelsat 5W, Astra 28, Thor, Hispasat, Turksat, Internet
- Remote control with just two buttons:
- OLED graphical display to show all the operations performed by the antenna
- The panel is completed with a charcoal-grey frame and can easily be replaced with other differently coloured frames from the Berker line.
- Safety system with automatic closing of the antenna when the vehicle is started.



\* Teleco HUB and CI-BUS interfaces are optional extras. In order to use these functions the vehicle must be fitted with a Teleco HUB control centre or a CI-BUS system.



### DVB-S2 HD control unit

- Power supply:  
12 Volts (10-15 V DC)
- Max consumption: 3.2 Amps
- Dimensions: 136x198x62 mm
- Weight: 780 g

◀ 63 cm ▶



▲  
15 cm  
▼

**FlatSat Classic (SMART) 50**  
OPTIONS – TWIN: for 2 receivers  
QUAD: for 4 receivers  
Weight: about 8.8 kg  
Dish dimensions: 49x45.5 cm

◀ 78 cm ▶



▲  
15 cm  
▼

**FlatSat Classic (SMART) 65**  
OPTIONS – TWIN: for 2 receivers  
QUAD: for 4 receivers  
Weight: about 9.0 kg  
Dish dimensions: 63.5x59 cm

◀ 98 cm ▶



▲  
17 cm  
▼

**FlatSat Classic (SMART) 85**  
OPTIONS – TWIN: for 2 receivers  
QUAD: for 4 receivers  
Weight: about 10.8 kg  
Dish dimensions: 85x78 cm



## FlatSat Komfort 2 SMART with TV

**FULL HD**



### Automatic satellite antenna and TV combination

Basically the Flatsat Komfort is the same as the Flatsat Classic, but is supplied with an intelligent Teleco TV (TY2 or TEV), thus eliminating the need for the control panel.

**All you have to do is switch on your TELECO television. The FlatSat Komfort SMART does all the rest: it switches on the antenna, finds the right satellite, aligns the antenna and delivers the images from the right satellite to the screen. All in just a few seconds. Just use the remote control.**

If you change channel the antenna will align automatically with the right satellite. And when you switch off the TV, the antenna is lowered automatically and the system switches off. All the main satellites are available: Astra 19, Hot Bird, Astra 23, Eutelsat 5W, Astra 4, Astra 28, Thor, Hispasat and Turksat. A safety system immediately closes the antenna and switches off the TV whenever the vehicle engine is started.

### FlatSat Komfort SMART consists of:

- 1 External satellite antenna
- 1 DVB-S2 control unit complete with leads
- 1 TY2, TFV, TEV, TSV model TV with integrated satellite receiver and remote control



### DVB-S2 HD control unit

- Power supply: 12 Volts (10-15 V DC)
- Max consumption: 3.2 Amps
- Dimensions: 136x198x62 mm
- Weight: 780 g

► You can find detailed specifications of the TY2 and TEV TV models at the end of this catalogue.

◀ 63 cm ▶



15 cm

**FlatSat Komfort 2 SMART 50**  
 OPTIONS – TWIN: for 2 receivers  
 QUAD: for 4 receivers  
 Weight: about 8.8 kg  
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 Weight: about 9.0 kg  
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◀ 98 cm ▶



17 cm

**FlatSat Komfort 2 SMART 85**  
 OPTIONS – TWIN: for 2 receivers  
 QUAD: for 4 receivers  
 Weight: about 10.8 kg  
 Dish dimensions: 85x78 cm



## FlatSat Easy S

Automatic HD satellite antenna with wall-mounted control panel and 10 memorised satellites.

The FlatSat Easy is basically the same as the FlatSat Classic S. The Easy models, though, have a slightly larger dish and the LNB arm has a different finish.

Automatic HD satellite antenna with wall-mounted control panel and 10 memorised satellites. It can be used together with any receiver or Sat TV such as: TNT SAT, FRANSAT, SKY, TivùSat, CANAL DIGITAAL, TV VLAANDEREN, CANAL SATELLITE, BIS TELEVISION, TELESAT, etc.

## FlatSat Easy SMART

A system with the SMART function 'knows' which channels are broadcast on which satellites. With this system you just have to select or switch to the channel you want and the antenna will point automatically to the correct satellite.

The FlatSat Easy SMART is compatible with all receivers and satellite TVs featuring the DiSEqC function (Teleco, Tivùsat, TNT Sat, Fransat, SKY, Canal Digitaal, TV Vlaanderen, Telesat etc.).

**FlatSat Easy (SMART) consists of:**

- 1 External satellite antenna
- 1 DVB-S2 control unit complete with leads
- 1 Intelligent control panel

### New intelligent control panel:

- By default, the following satellites are stored in the memory:  
Astra 19, Hot Bird, Astra 23, Astra 4, Eutelsat 5W, Astra 28, Thor, Hispasat, Turksat, Internet
- Remote control with just two buttons:
- OLED graphical display to show all the operations performed by the antenna
- The panel is completed with a charcoal-grey frame and can easily be replaced with other differently coloured frames from the Berker line.
- Safety system with automatic closing of the antenna when the vehicle is started.



\* Teleco HUB and CI-BUS interfaces are optional extras. In order to use these functions the vehicle must be fitted with a Teleco HUB control centre or a CI-BUS system.



### DVB-S2 HD control unit

- Power supply:  
12 Volts (10-15 V DC)
- Max consumption: 3.2 Amps
- Dimensions: 136x198x62 mm
- Weight: 780 g



### FlatSat Easy (SMART) 65

OPTIONS – TWIN: for 2 receivers  
Weight: about 10.5 kg  
Dish dimensions: 72x67 cm



### FlatSat Easy (SMART) 85

OPTIONS – TWIN: for 2 receivers  
Weight: about 11.6 kg  
Dish dimensions: 91x85 cm



#### Satellite antenna and TV combination

Basically the Flatsat Elegance is the same as the Flatsat Easy, but it is supplied with an intelligent Teleco TV (TY2 or TEV) thus eliminating the need for the control panel.

## FlatSat Elegance 2 SMART with TV

**FULL HD**

All you have to do is switch on your TELECO television. The FlatSat Elegance SMART does all the rest: it switches on the antenna, finds the right satellite, aligns the antenna and delivers the images from the right satellite to the screen. All in just a few seconds. Just use the remote control.

If you change channel the antenna will align automatically with the right satellite. When you switch off the TV, the antenna is lowered automatically and the system switches off. All the main satellites are available: Astra 19, Hot Bird, Astra 23, Eutelsat 5W, Astra 4, Astra 28, Thor, Hispasat and Turksat. A safety system immediately closes the antenna and switches off the TV whenever the vehicle engine is started.

► You can find detailed specifications of the TY2 and TEV TV models at the end of this catalogue.

#### FlatSat Elegance 2 SMART consists of:

- 1 External satellite antenna
- 1 DVB-S2 control unit complete with leads
- 1 TY2, TFV, TEV, TSV model TV with integrated satellite receiver and remote control



#### DVB-S2 HD control unit

- Power supply: 12 Volts (10-15 V DC)
- Max consumption: 3.2 Amps
- Dimensions: 136x198x62 mm
- Weight: 780 g



**FlatSat Elegance 2 SMART 65**  
 OPTIONS – TWIN: for 2 receivers  
 Weight: about 10.5 kg  
 Dish dimensions: 72x67 cm



**FlatSat Elegance 2 SMART 85**  
 OPTIONS – TWIN: for 2 receivers  
 Weight: about 11.6 kg  
 Dish dimensions: 91x85 cm



Teleco's  
jewel in  
the  
crown

FULL HD

## FlatSat Skew Easy SMART

**SMART:** A system with the SMART function 'knows' which channels are broadcast on which satellites. With this system you just have to select or switch to the channel you want and the antenna will point automatically to the correct satellite.

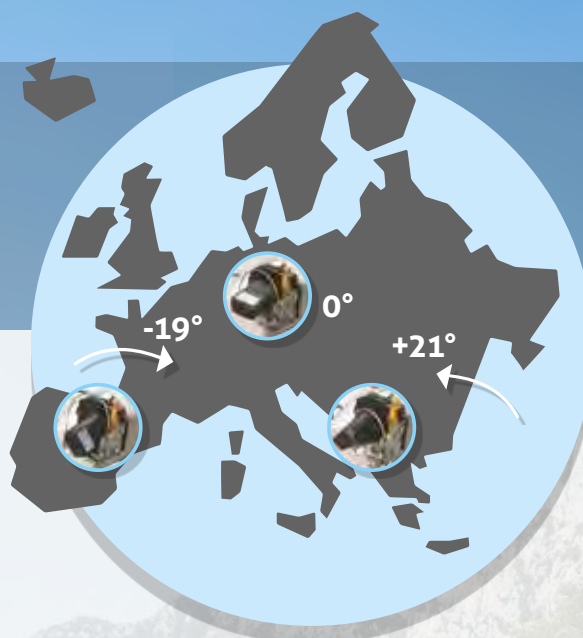
The FlatSat Skew Easy SMART is compatible with all Satellite Receivers and TVs featuring the DiSEqC function (Teleco, Tivùsat, TNT Sat, Fransat, SKY, Canal Digitaal, TV Vlaanderen, Telesat, etc.).

### FlatSat Skew Easy SMART consists of:

- 1 External satellite antenna
- 1 DVB-S2 Control unit complete with leads
- 1 Intelligent control panel

### DVB-S2 HD control unit

- Power supply: 12 Volts (10-15 V DC)
- Max consumption: 3.2 Amps
- Dimensions: 136x198x62 mm
- Weight: 780 g



**SKEW:** Automatic satellite alignment system with ultra-precise adjustment of the optimal LNB reception angle thanks to a built-in GPS module. While at the centre of the Footprint the best reception is achieved with the LNB positioned horizontally, at the South Eastern and South Western extremities of the Mediterranean area (e.g. Turkey and Morocco) you have to climb up onto the motor-home roof and rotate the LNB ANTICLOCKWISE or CLOCKWISE to obtain the strongest signal. SKEW gives you the best reception even in these areas. By means of the GPS module, SKEW 'knows' its position exactly and so rotates the LNB AUTOMATICALLY into the correct position for the BEST reception of the signal. You have to do absolutely nothing.

### New intelligent control panel:

- By default, the following satellites are stored in memory: Astra 19, Hot Bird, Astra 23, Astra 4, Eutelsat 5W, Astra 28, Thor, Hispasat, Turksat, Internet
- Remote control with just two buttons:
- OLED graphical display to show all the operations performed by the antenna
- The panel is completed with a charcoal-grey frame and can easily be replaced with other differently coloured frames from the Berker line.
- Safety system with automatic closing of the antenna when the vehicle is started.



\* Teleco HUB and CI-BUS interfaces are optional extras. In order to use these functions the vehicle must be fitted with a Teleco HUB control centre or a CI-BUS system.



**FlatSat Skew Easy SMART 65**  
OPTIONS – TWIN: for 2 receivers  
Weight: approx. 10.8 kg  
Dish dimensions: 72x67 cm



**FlatSat Skew Easy SMART 85**  
OPTIONS – TWIN: for 2 receivers  
Weight: approx. 12.0 kg  
Dish dimensions: 91x85 cm



### Satellite antenna and TV combination

Basically the Flatsat Elegance is the same as the Flatsat Skew Easy SMART and so features both the SMART and the SKEW functions, the latter rotating the LNB automatically either clockwise or anticlockwise towards the south-eastern or south-western extremities of the footprint. However, it is also supplied with an intelligent Teleco television (TY2 or TH2) that eliminates the need for a control panel.

## FlatSat Skew Elegance 2 SMART with TV

FULL HD

All you have to do is switch on your TELECO television. The FlatSat SKEW Elegance SMART does all the rest: it switches on the antenna, finds the right satellite, aligns the antenna and delivers the images from the right satellite to the screen. All in just a few seconds. Just use the remote control.

If you change channel the antenna will align automatically with the right satellite. When you switch off the TV, the antenna is lowered automatically and the system switches off. All the main satellites are available: Astra 19, Hot Bird, Astra 23, Eutelsat 5W, Astra 4, Astra 28, Thor, Hispasat and Turksat. A safety system immediately closes the antenna and switches off the TV whenever the vehicle engine is started.

► You can find detailed specifications of the TY2 and TH2 TVs at the end of this catalogue.

### FlatSat Skew Elegance 2 SMART consists of:

- 1 External satellite antenna
- 1 DVB-S2 control unit complete with leads
- 1 TY2, TFV, TEV, TSV model TV with integrated satellite receiver and remote control



### DVB-S2 HD control unit

- Power supply: 12 Volts (10-15 V DC)
- Max consumption: 3.2 Amps
- Dimensions: 136x198x62 mm
- Weight: 780 g



### FlatSat Skew Elegance 2 SMART 65

OPTIONS – TWIN: for 2 receivers  
Weight: approx. 10.8 kg  
Dish dimensions: 72x67 cm



### FlatSat Skew Elegance 2 SMART 85

OPTIONS – TWIN: for 2 receivers  
Weight: approx. 12.0 kg  
Dish dimensions: 91x85 cm



Advantageous  
choice

FULL HD

## TeleSat

The advantageous choice from Teleco.

Automatic HD satellite antenna with wall-mounted control panel and 10 memorised satellites.

### TeleSat consists of:

- 1 External satellite antenna
- 1 DVB-S2 control unit complete with leads
- 1 Intelligent control panel

It can be used together with any receiver or satellite TV such as: TNT SAT, FRANSAT, SKY, TivùSat, CANAL DIGITAAL, TV VLAANDEREN, CANAL SATELLITE, BIS TELEVISION, TELESAT, etc.

Use the control panel to select the target satellite. As soon as the antenna is aligned you will see all the channels transmitted by that satellite. Do you want to choose another satellite? Just select it again using the control panel.

By default, the following satellites are stored in memory: Astra 19, Hot Bird, Astra 23, Eutelsat 9, Eutelsat 5, Hispasat, Astra 28, Astra 4, Thor, Turksat.



Intelligent, wall-mounted  
horizontal control panel



\* Teleco HUB and CI-BUS interfaces are optional extras. In order to use these functions the vehicle must be fitted with a Teleco HUB control centre or a CI-BUS system.



### DVB-S2 HD control unit

- Power supply: 12 Volts (10-15 V DC)
- Max consumption: 3.2 Amps
- Dimensions: 136x198x62 mm
- Weight: 780 g



### TeleSat 65

OPTIONS – TWIN: for 2 receivers  
Weight: about 9.0 kg  
Dish dimensions: 63.5x59 cm



### TeleSat 85

OPTIONS – TWIN: for 2 receivers  
Weight: about 10.6 kg  
Dish dimensions: 85x78 cm



## Carry SAT

A portable satellite kit that is easy to set up and dismantle. Requires minimal storage space.

Carry Sat has been designed for rapid dismantling and setup. The preassembled dish has a fold-down LNB arm and a two part clamp for attaching to the mast, reducing the time taken to put the whole kit back in the locker to just a few seconds. It works with all types of satellite receivers. **To simplify alignment, we recommend using a DSF90 HD.**

**FULL HD**

### Kit content:

- Aluminium tripod (TP3 ALU) with umbrella opening and closing action equipped with a rotating upper section for easy alignment of the dish.
- Preassembled satellite dish of either 65 or 80 cm with fold-down LNB support arm
- Low noise universal LNB
- 10 m lead with connectors
- 3 pegs for securing Carry Sat to the ground

### Available Models:

- CARRY SAT ALU 80 with 80 cm dish
- CARRY SAT ALU 65 with 65 cm dish
- The tripod is also available on its own, model TP3ALU

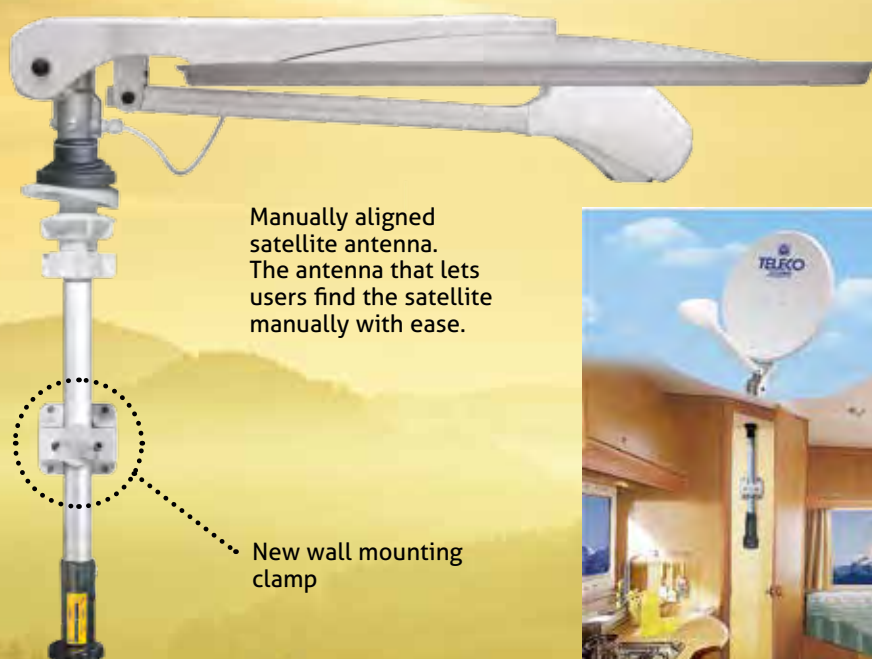
**Fast  
disassembly  
and  
reassembly**



# Satellite antennas manual

## Footprint: advice on choosing a satellite dish

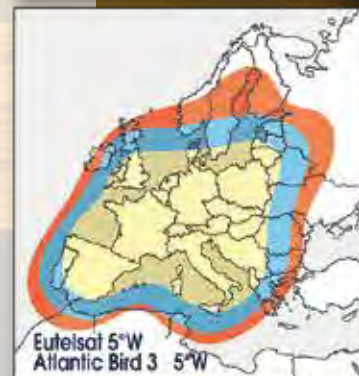
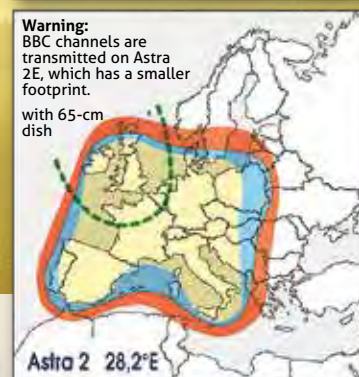
Reception of television and radio signals is guaranteed within the coloured areas (footprints). Cloud cover and rain could adversely affect reception of the satellite signal. So it is important, when choosing your satellite system, to check carefully that the dimensions of the dish are sufficient to receive a good satellite signal in the places that you will be visiting.



Are you unable or unwilling to install an automatic satellite antenna on the roof? Then an antenna from the Voyager series is just made for you. This antenna lets you find the right satellite easily from inside your motorhome or caravan. While travelling, the dish is fully folded back on the roof.








- Height when folded is just 17-18 cm.
- The lightweight aluminium arm firmly supports the satellite antenna, offers better wind resistance and provides an excellent signal reception surface.
- Fully equipped and totally watertight passage through the roof.
- Corrosion resistant anodised aluminium mast with internal locking system.
- Satellite alignment accuracy is ensured by a fully watertight, high-precision mechanical reduction gear in oil bath.

Footprint key



# and semi-automatic



		VOYAGER G3	VOYAGER DIGIMATIC	MOTOSAT DIGIMATIC
HD/TV		✓	✓	✓
Digital tilt			✓	✓
Electronic tilt				✓
LNB protective cover		For 65 and 85 cm dish	For 65 and 85 cm dish	
Mast length		33 cm or 52 cm	33 cm or 52 cm	33 cm or 52 cm
				
Digital satellite search			✓	✓
DSF80E:				
Number of satellites			8	8
Signal quality indicator			✓	✓
Digital tilt indicator			✓	✓
Dimensions	50cm			
closed	65cm			
	85cm			
Weight (approx.)	50cm	6,8Kg	6,8Kg	
	65cm	9,2Kg	9,2Kg	8,0Kg
	85cm	11,4Kg	11,4Kg	10,2Kg
Dish dimensions	50cm	49x45,5cm	49x45,5cm	
	65cm	72x67cm	72x67cm	63,5x59cm
	85cm	91x85cm	91x85cm	85x78cm



FULL HD

## Voyager G3

**Manual satellite antenna with graduated scale on the mast**

Voyager G3 has a graduated scale on the mast for quickly setting the inclination when aligning the dish, a task that can be carried out from inside the vehicle. In order to set the inclination correctly it is important that the vehicle is level, otherwise the angle of the vehicle will have to be added to or taken away from the inclination value of the dish. After having set the inclination, just rotate the dish southward by turning the mast from the inside and adjust the positioning by watching the picture on the screen. Would you like it to be even easier? Then maybe the Voyager Digimatic is the one for you.



**New wall mounting clamp**



### Contents of each Voyager G3 kit

- Satellite antenna complete with fold-down mast and connection cables
- Universal LNB
- Parabolic dish
- Detailed instruction manual

### Long mast 52 cm



**Voyager G3 50:**  
with dish  
49x45.5 cm

**Voyager G3 65:**  
with dish  
72x67 cm

**Voyager G3 85:**  
with dish  
91x85 cm



### Short mast 33 cm

**Voyager G3 SM 50:**  
with dish  
49x45.5 cm

**Voyager G3 SM 65:**  
with dish  
72x67 cm

**Voyager G3 SM 85:**  
with dish  
91x85 cm





FULL HD

## Voyager Digimatic

DVB S2

Basically the Voyager Digimatic is the same as the Voyager G3 but it is equipped with a digital aligner and an electronic inclinometer.

With Voyager Digimatic the user can align the dish with the satellite desired manually in just a few quick and simple steps. Currently, the biggest difficulty in manually aligning a dish with a satellite broadcasting digital TV signals is the fact that there is a delay before the digital signals are displayed on LCD TV screens, and so the user is forced to carry out the alignment with a very slow movement in order to avoid the risk of going past the required satellite without realising it.

Voyager Digimatic is the solution to this problem. It is equipped with an electronic elevation meter that sends a reading to the display of the actual absolute value of the inclination of the dish, even if the vehicle is not level. The DSF90E/HD that is included indicates (directly) both the elevation and the strength of the signal. This makes it possible to quickly align this manual dish system with the desired satellite without the disadvantage of delayed signals.

Allows for extremely fast set-up

### Content of each Voyager Digimatic kit

- Satellite antenna complete with fold-down mast and connection cables
- Universal LNB
- DSF90E/HD digital satellite finder
- Parabolic dish
- Detailed instruction manual



DSF90E/HD

### How to use the DSF90E/HD



- 1) Select the satellite for the alignment (e.g. ASTRA 23).
- 2) Raise the dish until the correct elevation is indicated (see the elevation map).
- 3) Turn the dish SOUTHWARDS until the DSF90E/HD emits a continuous "BEEP".
- 4) Wait for the SAT OK LED to come on.
- 5) If alignment has been made with the wrong satellite, the SAT NOT OK LED will come on and the dish must be rotated again until the "BEEP" is heard again and the SAT OK LED comes on.
- 6) When the maximum number of LEDs are illuminated on the LEVEL indicator, the dish has been aligned properly.

### Long mast 52 cm



**Voyager Digimatic 50:**  
with dish  
49x45.5 cm

**Voyager Digimatic 65:**  
with dish  
72x67 cm

**Voyager Digimatic 85:**  
with dish  
91x85 cm



### Short mast 33 cm

**Voyager SM Digimatic 50:**  
with dish  
49x45.5 cm

**Voyager SM Digimatic 65:**  
with dish  
72x67 cm

**Voyager SM Digimatic 85:**  
with dish  
91x85 cm





Electric  
motor  
12 Volt

FULL HD

## MotoSat DigiMatic DVBS2

Basically the MotoSat DigiMatic is the same as the MotoSat but is equipped with a digital aligner and an electronic tilt indicator.

With MotoSat DigiMatic the user can align the dish manually with the satellite desired in just a few quick and simple steps. Currently, the biggest difficulty in manually aligning a dish with a satellite broadcasting digital TV signals is the fact that there is a delay before the digital signals are displayed on LCD TV screens, and so the user is forced to carry out the alignment with a very slow movement in order to avoid the risk of going past the required satellite without realising it.

MotoSat DigiMatic is the solution to this problem. In addition to an electronic elevation controller, it is equipped with an electronic elevation meter that sends a reading to the display of the actual absolute value of the inclination of the dish, even if the vehicle is not level. The DSF90E/HD that is included indicates (directly) both the elevation and the strength of the signal. This makes it possible to quickly align this manual dish system with the desired satellite without the disadvantage of delayed signals.



DSF90E/HD

### How to use the DSF90E/HD



- 1) Select the satellite for the alignment (e.g. ASTRA 23).
- 2) Raise the dish until the correct elevation is indicated (see the elevation map).
- 3) Turn the dish SOUTHWARDS until the DSF90E/HD emits a continuous "BEEP".
- 4) Wait for the SAT OK LED to come on.
- 5) If alignment has been made with the wrong satellite, the SAT NOT OK LED will come on and the dish must be rotated again until the "BEEP" is heard again and the SAT OK LED comes on.
- 6) When the maximum number of LEDs are illuminated on the LEVEL indicator, the dish has been aligned properly.



### Long mast 52 cm

MotoSat  
DigiMatic 65

MotoSat  
DigiMatic 85



### Long mast 33 cm

MotoSat  
DigiMatic SM 65

MotoSat  
DigiMatic SM 85

Kg 8,0

80 cm



MotoSat 65

dish size 63.5 x 59 cm

16 cm

Kg 10,2

101 cm



MotoSat 85

dish size 85 x 78 cm

16 cm



## DSF90 HD - DSF90E HD

DVB S2

### Digital satellite precision aligners

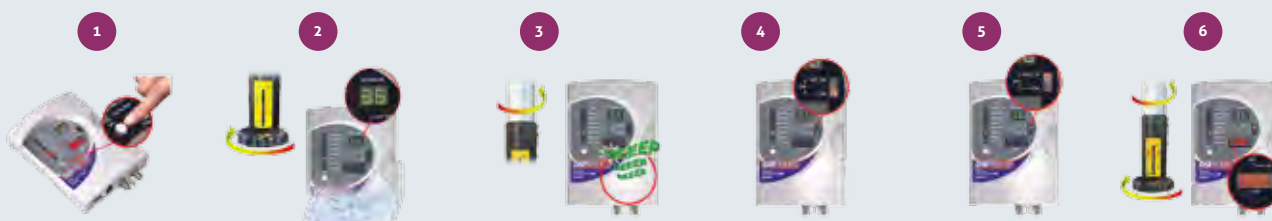
The DSF90 HD is compatible with all the manual satellite systems and enables the user to find the desired satellite in just a few quick and simple steps. Currently, the biggest difficulty in manually aligning a dish with satellite-broadcast digital TV signals is the fact that there is a delay before the digital signals are displayed on LCD TV screens: the user is thus forced to carry out the alignment with a very slow movement to avoid the risk of going past the required satellite without realising it.

The DSF90 HD is the solution to this problem. It has a meter that indicates immediately the strength of the signal being received from the desired satellite. Unlike ordinary dish aligners, there is no delay and, again unlike those systems, the DSF90 HD also tells you if the satellite you have found is the right one. There are 8 satellites pre-programmed in its memory.

The DSF90 HD is the same as the DSF90 HD, but is specifically designed for Teleco Digimatic systems with incorporated electronic elevation detector. So as well as the functions described for the DSF90 HD, the DSF90E/HD also enables the elevation to be set accurately.

### PROCEDURE

- 1) Select the satellite for the alignment (e.g. ASTRA 23).
- 2) Raise the dish until the correct elevation is indicated (see elevation map).
- 3) Turn the dish SOUTHWARDS until the DSF90 HD emits a continuous "BEEP".
- 4) Wait for the SAT OK LED to come on.
- 5) If alignment has been made with the wrong satellite, the SAT NOT OK LED will come on and the dish must be rotated again until the "BEEP" is heard again and the SAT OK LED comes on.
- 6) When the maximum number of LEDs are illuminated on the LEVEL indicator, the dish has been aligned properly.





## ACCESSORIES

### CGU2

Battery charger for camper with 2 USBs



**NEW**

#### Features

Input: 12V/24V (9-36V) DC

Output: 5V 2.1A

- 2 USB sockets to charge mobile phone and TKB25 wireless speaker kit simultaneously
- 12/24 DC connector with red adapter for cigarette lighter and vehicle internal light socket



### Motosat Kit



This kit transforms an existing manual Voyager system into a semi-automatic system.



Dish inclination can now be adjusted using two buttons; the display shows the correct tilt to help you find the desired satellite as quickly as possible.



### SPCA

Aluminium lead-through box for the roof



### SPC

Rooftop cable holder box in plastic



### CAD/AS

Coupler

for connecting digital receivers to a Magic SAT 2002A or Magic Sat Digital Plus CI.



### PFS10H

10-satellite horizontal panel for all Flat Sat models with DVB-S2 Control Box.

# Satellite and terrestrial digital receivers



# HD Satellite Receiver

HD digital satellite receiver for tivùsat

## ODE 713 HD

With this receiver you can watch all the programmes transmitted on the TivùSat platform on the 13° EAST satellite.

The TivùSat HD card included has no expiry date.

- Power supply: 12 Volt and 230 Volt
- Frequency: 950-2150 MHz
- Memory storage for 3000 TV and radio channels
- 3 Favourite channels lists
- 2 Nagra and Conax SMART Card readers
- 1 MIR remote control extender
- 1 SCART socket
- 1 HDMI v.1.3 socket
- TivùSat automatic channel sorting
- 1 S/PDIF Digital audio socket
- 1 Ethernet 10/100 port with V.90 modem
- Software update via satellite
- Teletext and subtitles
- Consumption: 9.0 W in operation, 0.7 W in standby mode
- Dimensions: 260 x 199 x 51 mm

only  
in Italia



# Techwood

## TK90 TNT02B

TNT SAT HD 12 V DC receiver



only  
for  
France



### General Features

- 4000 Channels
- OSD language: French/English
- Automatic and manual search
- Automatic channel sorting
- Parental Lock
- Automatic muting
- Volume on remote control
- Teletext service
- Subtitles
- 7 days EPG
- Favourites lists
- Signal quality indicator
- Display with time and channels
- PVR recording and playback functions via USB port.
- MIR remote control extender

### Connections

- 1 MIR remote control extender
- 1 Scart socket
- 1 USB 2.0 port for PVR
- 1 Optical digital audio output
- 1 RCA Audio Video output
- 1 HDMI output
- Power supply: 12 V DC
- Consumption in operation: 7.5W
- Consumption in standby mode: 1W
- Dimensions: 231x138x38 mm

### PVR function via USB

Support for the following files: mp3, jpeg video, mKv, h 264.

TV programmes can be recorded on USB flash drive or external hard drive with TIME SHIFT, EPG and TIMER functions.

## FORCE HD3 CI+

**HDTV Digital satellite receiver with a CI+ port for CI or CI+ modules**

FORCE HD CI+ is a digital satellite receiver capable of receiving both HDTV programmes up to 1080 and SD programmes. The CI+ port is compatible with HD+ modules and cards as well as a variety of CI modules such as VIACCES, NAGRA (Tivùsat) etc., and CARD PAY TV from various European broadcasters. Features several outputs (1 SCART, 2 CINCH Audio +, 1 CINCH Video, 1 digital audio coaxial S/P DIF, 1 HDMI) to give you the greatest flexibility for connecting all kinds of TVs. With the USB 2.0 port you can record and play back the vast majority of programmes using a suitable Memory Stick and you can also use the Time-Shift function which lets you temporarily interrupt a programme and then resume watching it later from the exact point at which you had stopped.



### Specifications:

- MPEG-2, MPEG-4, H.264 and full DVB
- Video Resolution: 576 i, 576 p, 720 p, 1080 i, 1080 p
- 1 CI+ port
- 5000 Channels
- 10 Favourites lists
- Parental lock
- Teletext
- Multi-lingual subtitles
- Multilingual OSD
- Automatic and manual channel search
- DiSeqC 1.0, 1.1, 1.2
- 8 timers for recording
- 3 Electronic games
- Low consumption < 1 W in standby mode
- Tuner with Loop Through
- 1 HDMI output
- 1 SCART output (CVBS, RGB)
- 3 CINCH outputs (V, AL, AR)
- 1 S/PDIF digital audio output
- 1 USB 2.0 port for recording
- Power supply: 12 Volts
- Dimensions: 230 x 155 x 40 mm
- Weight: 730 g

## CAM modules



**FRANSAT HD CAM module**  
with SMART CARD for France only



**Tivùsat HD CAM module**  
with Smart Card included  
for watching Tivùsat programmes  
(also HD) satellite programmes  
with the FORCE HD CI+ receiver

## Mini terrestrial receiver DVB-T2 HEVC

**DVB-T2 H265 mini digital terrestrial receiver for Free to Air programmes.**  
**Compatible with: DVB-T2 - DVB-T - MPEG-2/4 - H265/H264 - HD/SD**

### TSH265

This Receiver can record films and digital programmes on a USB flash drive (not supplied). It can also show photos and films stored on the flash drive itself on the TV.

- 1000 programmable TV and Radio channels
- 8 favourites lists
- Multi-language OSD
- Automatic and manual programme search
- Teletext and subtitles
- VHF and UHF tuners
- Antenna Loop Through
- LCN channel sorting
- Software updates via USB port
- USB port for recording and playing back programmes and photos

Games, calendar,  
calculator  
12 V DC and  
230 V AC power supply



# DVB-T2 terrestrial antennas

Dual  
polarity  
38db

DVB-T  
DVB-T2 HEVC  
ULTRA HD 4K

DAB+  
Digital Audio Broadcasting

4G LTE

## Teleplus X2

The design and production of this antenna stems from the experience and great success achieved in recent years with the TELEPLUS antenna.

Great care has been given to increasing the gain curve resulting in an even higher sensitivity to weak signals. The introduction of the POLARITY ORIENTATION MECHANISM also allows you to get the best reception of all TV signals (digital and analogue) that are transmitted with both HORIZONTAL and VERTICAL polarity. (With the advent of digital transmission, signals with VERTICAL polarity are enhanced in certain countries such as Italy and Britain). A low noise amplifier is included that has a variable gain that operates at both 12 and 230 Volts.

Zamak mechanism for  
HORIZONTAL and VERTICAL  
polarity adjustment from  
inside the vehicle

Wedge shaped spacer  
for perfect adaptation  
to any roof shape

Simple, safe  
mast lock  
system

## Teleplus X2 /39U

- UHF
- Dual polarity
- High 38 dB gain (with amplifier)

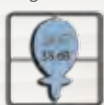
Gain with amplifier: 38 dB channels 21-69 (UHF)

Power supply: 12 V DC-230 V AC

with 39 cm mast for installation inside a suspended wall unit.

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).

Horizontal  
reception  
diagram



ULTRA HD  
4K

LTE

DAB+  
Digital Audio Broadcasting  
D3T  
D3T2 HEVC



## Teleplus X2

Teleplus X2 /165VU

Teleplus X2 /110VU

Teleplus X2 /51VU

- VHF - UHF
- Dual polarity
- High 38 dB gain (with amplifier)

**Gain with amplifier:**

38 dB channels 21-69 (UHF)

22 dB channels E5-E12 (VHF BIII)

**Power supply:** 12 V DC-230 V AC

**Teleplus X2/165 VU:** with 165 cm mast

**Teleplus X2/110 VU:** with 110 cm mast

**Teleplus X2/51 VU:** with 51 cm mast

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).

Horizontal  
reception  
diagram



ULTRA HD  
4K

LTE

DAB+  
Digital Audio Broadcasting  
D3T  
D3T2 HEVC





DVB-T  
DVB-T2 HEVC  
ULTRA HD 4K

DAB+  
Digital Audio Broadcasting

Equipped with  
LTE suppressor  
filter



## Teleplus 3G

Directional antenna for 36 dB  
digital terrestrial signals

- High Gain for reception of even the weakest signals
- Exceptionally good directional adjustment to suppress noise
- Zamak mast connector
- Gain with variable amplifier: UHF 38 dB - VHF-B3 22 dB - VHF-B1 20 dB
- Power input 12/24 Volts or 230 Volts
- Recommended that it be used with SF165 telescopic mast (optional)

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).

### Kit content:

- 1 Antenna UHF - VHF (B3)
- 1 Adjustable gain amplifier with 2 TV outputs
- 1 Ø 30 mast connector with 5 m cable



### Telescopic mast for campers and caravans

Lets you easily reposition your TV antenna without having to leave the vehicle. Water-tight fit guaranteed by double O-ring system. Corrosion resistant anodised aluminium. Fully equipped for connection to any type of antenna.



### TECHNICAL SPECIFICATION

- SF 50: Length: 50 cm
- SF 165: Length: 165 cm
- Diameter: from 30 to 34 mm (can be adjusted)
- SF 165: Weight: 1.1 kg
- SF 50: Weight: 0.5 kg



## Teleplus Directional antennas for DVB-T2 digital terrestrial signals



Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).



### Technical features

Channels: 5 - 12 21 - 69  
Gain with amplifier: (dB) 22 36  
Power supply type.: 12 / 24 V 220 V  
Length: 50.5 cm  
Width: 40 - 70 cm  
Weight: 1.8 kg

### Package contents

TV Antenna with attachment bracket for mast, with diameter of 25 to 50 mm  
1 Adjustable gain amplifier with 2 TV outputs  
5 metres of 75 Ohm coaxial cable with connectors.



## Weekend Super Omnidirectional antennas for DVB-T2 terrestrial digital signals



Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).



### Technical features

Channels: 5 - 12 21 - 69  
Gain with amplifier: (dB) 9 26  
Power supply type: 12 / 24 V 220 V  
Diameter: 28 cm  
Height: 12 cm  
Weight: 0.7 kg

### Package contents

1 TV Antenna with universal bracket for attachment to roof or mast (Ø 32-34 mm)  
1 Adjustable gain amplifier with 2 TV outputs 5 metres of 75 Ohm coaxial cable  
3 coaxial connections



## Yachting 11 Omnidirectional antennas for DVB-T2 terrestrial digital signals



Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).



### Technical features

Channels: 5 - 12 21 - 69  
Gain with amplifier: (dB) 16 26  
Power supply type: 12 / 24 V 220 V  
Diameter: 38 cm  
Height: 16.5 cm  
Weight: 1.4 kg

### Package contents

1 TV Antenna with universal bracket for attachment to roof or on mast (Ø 32-34 mm)  
1 Adjustable gain amplifier with 2 TV outputs  
5 metres of 75 Ohm coaxial cable  
3 coaxial connections



## Walkie 22 Omnidirectional antennas for DVB-T2 terrestrial digital signals



Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).



### Technical features

Channels: 5 - 12 21 - 69  
Gain with amplifier (dB): (dB) 22 26  
Power supply type: 12 / 24 V 220 V  
Diameter: 38 - 88 cm  
Height: 16.5 cm  
Weight: 1.4 kg

### Package contents

1 TV antenna with universal support for attachment on roof or mast (Ø 32-34 mm)  
1 Adjustable-gain amplifier with 2 TV outputs  
5 metres of 75 Ohm coaxial cable  
3 coaxial connections



## Wing / Wing 11 / Wing 22

**Omnidirectional TV  
antennas for high speed  
camper vans**

**DVB T2 HEVC  
ULTRA HD 4K**



The Wing, Wing 11 and Wing 22 series of antennas have been designed to receive all digital terrestrial signals. Particular attention was given to creating an ultra-aerodynamic shape to enable it to be installed on the fastest of motorhomes. It is also equipped with a special, ergonomic foot that allows the antenna to be tilted in any direction, thus making it easy to install on even the most streamlined roofs of latest generation motorhomes and caravans.

**Ultra-  
aerodynamic  
shaping**



**3-axis rotation for optimal alignment  
with respect to the roof, thus allowing  
easy installation also on latest-  
generation motorhomes and caravans**



## Wing Digital Terrestrial

Omni-directional antennas 360° 26 dB UHF – 9 dB VHF- B3

MINI antenna (just 31 cm diameter) specially designed to receive UHF channels. A special configuration of the circuit combined with a high gain amplifier enables reception of VHF B3 programmes too.

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).

<b>Gain with amplifier:</b>	<b>Power supply:</b> 12/24 Volts – 230 Volts
CH 5-12 9 dB	<b>Diameter:</b> 31 cm
CH 21-69 26 dB	<b>Height:</b> 16.5 cm
	<b>Weight:</b> 1 kg

### Package contents

- 1 Antenna, complete with 5 m coaxial cable and 3 F connectors
- 1 Adjustable gain amplifier, with 2 outputs for 2 TV sets, powered at 12, 24 and 230 Volts

Horizontal  
reception  
diagram:



## Wing 11 Digital Terrestrial

Omni-directional antennas 360° 26 dB UHF – 16 dB VHF- B3

The high sensitivity of the electronic amplifier combined with a special antenna design lets you receive TV programmes at lower frequencies while keeping external dimensions to just 38 cm.

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).

<b>Gain with amplifier:</b>	<b>Power supply:</b> 12/24 Volts – 230 Volts
CH 5-12 16 dB	<b>Diameter:</b> 38 cm
CH 21-69 26 dB	<b>Height:</b> 16.5 cm
	<b>Weight:</b> 1.2 kg

### Package contents

- 1 Antenna, complete with 5 m coaxial cable and 3 F connectors
- 1 Adjustable gain amplifier with 2 outputs for 2 TV sets, powered at 12, 24 and 230 Volts

Horizontal  
reception  
diagram:



## Wing 22 Digital Terrestrial

Omni-directional antennas 360° 26 dB UHF – 22 dB VHF- B3

The combination of two antennas has resulted in this DUAL POWER antenna that has achieved excellent performance levels even for programmes on lower frequencies (VHF - B3). In addition, the use of a low noise amplifier enables reception of even very weak signals.

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 800 MHz band).

<b>Gain with amplifier:</b>	<b>Power supply:</b> 12/24 Volts – 230 Volts
CH 5-12 22 dB	<b>Diameter:</b> 38 - 88 cm
CH 21-69 28 dB	<b>Height:</b> 16.5 cm
	<b>Weight:</b> 1.4 kg

### Package contents

- 1 Antenna, complete with 5 m coaxial cable and 3 F connectors
- 1 Adjustable gain amplifier, with 2 outputs for 2 TV sets, powered at 12, 24 and 230 Volts

Horizontal  
reception  
diagram:





Truck  
navigation



## M-DVD6000 TRUCK DAB

6.2" HD touch screen SAT-NAV  
for camper vans with DAB, FM / AM radio,  
DVD, USB

GPS Sat-Nav with Truck Navigation function which knows and assesses all your motorhome parameters (mass, weight etc.) and accordingly suggests suitable routes, highlighting any tracks that are not practicable





Radio **DAB+**  
Digital Audio Broadcasting

- Macrom navigation software based on iGO engine.
- 2D and 3D graphics with "digital elevations".
- Voice-guided navigation in 28 languages.
- Auto-zoom for junctions and roundabouts.
- Multiple routing calculation.
- Motorway slip roads displayed.
- Tunnel mode (if GPS signal is lost)
- Socket for resistive steering wheel controls
- Europe map (43 countries) M-NV17FET
- Map with service areas for RVs and campsites
- Upgrades and additional PDIs can be purchased on-line from [www.naviextras.com](http://www.naviextras.com)
- AM/FM radio with RDS, TP and DAB (antenna included)
- DVD/CD/MP3 reader
- USB and SDHC memory reader for multimedia audio and video files
- Wireless speakerphone unit with Parrot technology for use with phone (with telephone contacts) and music player device.
- MFI Apple certification to ensure optimised use of iPhone and iPod
- Ready for connection to rear camera with automatic activation
- Size 2 ISO
- High-definition 6.2" screen (800x480)
- Touch Screen controls
- RGB multi-colour screen lighting
- RDS tuner with FM/AM and DAB bands
- 30 FM/AM and DAB stations can be saved
- Built-in GPS receiver
- Speakerphone with external microphone
- Supports: CD/DVD/USB
- Formats: MP3/WMA/MPEG/AVI/JPG/FLAC
- Dedicated slot for navigation micro SD
- 1 frontal USB micro input + 1 type A rear USB input
- Frontal SD card reader
- 4+1 pre-amplified outputs
- 1 rear video output
- 1 rear and 1 front audio/video input
- Input for reverse gear video camera
- Internal amplification 4x40 Watt
- Remote control



**Map with service areas  
for RVs and campsites**



# Video cameras and Monitors for Motorhomes



## TRC 14 CCD

Rear-view camera

- CCD SONY 1/4
- Wide-angle 130°
- High resolution
- dim infrared LEDs < 0.1 Lux
- Microphone
- Mirror function
- Heater function
- 20 m cable
- Silver or white casing
- Casing in anodized cast aluminium with P69K salt-resistant treatment



## TRC 13S CCD

Rear-view camera with automatic shut-off

- Automatic motorized lens
- SONY colour CCD camera 1/3
- Wide-angle 130°
- dim infrared compensation LEDs < 0.1 Lux
- Microphone
- Mirror function
- Heating element with temperature control
- Electronic regulation of light intensity
- 20 m cable
- Casing in powder coated anodised cast aluminium protective cover and stainless steel bracket



## TRCL CMOS

Side-view camera

- Wide-angle lens 130°
- High resolution
- Infra-red 0.5 lux LEDs for night vision
- Microphone
- Adjustment angle on basis of vehicle characteristics
- Flexible support for normal rear view, support for reverse drive view, left and right side view
- Weather resistant IP67K casing, IP67K



## TP7HR/2

High resolution 7" LCD monitor for 2 video cameras

7" TFT panel / 16:9 800x480 pixels  
 High brightness 1600 cd/m2  
 Video input 1V ± 20% 75 Ohm  
 Audio input 400mA/1W  
 Audio output 1W  
 Power Supply 12-32 V DC  
 Consumption in standby mode < 50mA  
 TV system PAL/NTSC  
 Working temperature  
 -15°C - +65°C

**Complete with:**

- Connecting cables
- Support foot
- Sunshade



## TP7HR/4

High resolution 7" LCD monitor for 4 video cameras

7" TFT panel / 16:9 800x480 pixels  
 High brightness 1600 cd/m2  
 Video input 1V ± 20% 75 Ohm  
 Audio input 400mA/1W  
 Audio output 1W  
 Power Supply 12-32 V DC  
 Consumption in standby mode < 50mA  
 TV system PAL  
 Working temperature  
 -15°C - +65°C

**Complete with:**

- Connecting cables
- Support foot
- Sunshade



## Televisions and accessories

### TKB25

How to increase the Audio Level of your TV with the Teleco wireless Kit:



The Kit consists of a small wireless Audio Transmitter, easily applicable to every Teleco TV, and a high quality wireless Speaker able to reproduce and boost, via wireless, the audio level of your Teleco TV. The wireless Speaker can also be used to play Music from a Smartphone



# DVB-T2 HEVC televisions with DVD

## TEV20D1 HEVC

20" HD TV with DVD reader for caravans and campers

DVB-S2 satellite receiver and integrated DVB-T2 HEVC terrestrial receiver

FRANSAT and M7 type-approved with Fast Scan function

- 12 V DC or 230 V AC power supply
- DVD reader
- USB port with PVR Multimedia function to record and play video and audio content
- Timeshift function
- 19.5" (49.5 cm diagonal) screen
- 10,000 satellite and 800 terrestrial channels with LCN
- OSD in 23 languages
- Teletext
- Timer
- Parental Lock
- Audio power 2.5 W with equalizer

### Connections

- 1 HDMI socket
- 1 SCART socket
- 1 AV socket for headphones
- 1 PC/YUV socket
- 1 CI+ port
- 1 Digital audio socket
- 1 Multimedia USB port
- 1 12 V DC power socket

### Technical features

- WGA resolution (1366x768)
  - 1 Brightness 200 CD/m2
  - 1 Contrast 600:1
  - 1 Response time 5 mS
  - DVB-S2 satellite
  - DVB-T2 H.265 terrestrial
- Weight: 2.9 kg  
Dimensions without feet: 470 x 52 x 290 mm  
Dimensions with feet: 470 x 135 x 330 mm

### TKB25

How to Increase the Audio Level of your TV with the Teleco wireless Kit.



## TEV22D HEVC

22" HD TV with DVD reader for caravans and campers

DVB-S2 satellite receiver and integrated DVB-T2 HEVC terrestrial receiver

FRANSAT and M7 type-approved with Fast Scan function

- 12 V DC or 230 V AC power supply
- DVD reader
- USB port with PVR Multimedia function to record and play video and audio content
- Timeshift function
- 21.6" (56 cm diagonal) screen
- 10,000 satellite and 800 terrestrial channels with LCN
- OSD in 23 languages
- Teletext
- Timer
- Parental Lock
- Audio power 2.5 W with equalizer

### Connections

- 1 HDMI socket
- 1 SCART socket
- 1 AV socket for headphones
- 1 PC/YUV socket
- 1 CI+ port
- 1 Digital audio socket
- 1 Multimedia USB port
- 1 12 V DC power socket

### Technical features

- WGA resolution (1920x1080)
  - 1 Brightness 250 CD/m2
  - 1 Contrast 1000:1
  - 1 Response time 5 mS
  - DVB-S2 satellite
  - DVB-T2 H.265 terrestrial
- Weight: 3.2 kg  
Dimensions without feet: 516 x 52 x 317 mm  
Dimensions with feet: 516 x 134 x 352 mm

### TKB25

How to Increase the Audio Level of your TV with the Teleco wireless Kit.



## TEV24D HEVC

24" HD TV with DVD reader for caravans and campers

DVB-S2 satellite receiver and integrated DVB-T2 HEVC terrestrial receiver

FRANSAT and M7 type-approved with Fast Scan function

- 12 V DC or 230 V AC power supply
- DVD reader
- USB port with PVR Multimedia function to record and play video and audio content
- Timeshift function
- 23.6" (59.9 cm diagonal) screen
- 10,000 satellite and 1000 terrestrial channels with LCN
- OSD in 23 languages
- Teletext
- Timer
- Parental Lock
- Audio power 2.5 W with equalizer

### Connections

- 1 HDMI socket
- 1 SCART socket
- 1 AV socket for headphones
- 1 PC/YUV socket
- 1 CI+ port
- 1 Digital audio socket
- 1 Multimedia USB port
- 1 12 V DC power socket

### Technical features

- WGA resolution (1366x768)
  - 1 Brightness 220 CD/m2
  - 1 Contrast 1000:1
  - 1 Response time 14 mS
  - DVB-S2 satellite
  - DVB-T2 H.265 terrestrial
- Weight: 4.5 kg  
Dimensions without feet: 554x61x339 mm  
Dimensions with feet: 554 x 134 x 379 mm

DVB S2 DVB T2 HEVC DVB C

### TKB25

How to Increase the Audio Level of your TV with the Teleco wireless Kit.



## TFV24D MPEG4

DVB S2 DVB T

24" HD TV with DVD reader for caravans and campers

DVB-S2 Satellite receiver with integral DVB-T HD MPEG4 terrestrial receiver

FRANSAT and M7 type-approved with Fast Scan function

- 12 V DC or 230 V AC power supply
- DVD reader
- USB port with PVR multimedia function to record and play video and audio content.
- Timeshift function
- 23.6" (59.9 cm diagonal) screen
- 10,000 Satellite and terrestrial channels with LCN
- OSD in 23 languages
- Teletext
- Timer
- Parental Lock
- Audio power 2.5 W with equalizer

### Connections

- 1 HDMI socket
- 1 SCART socket
- 1 AV socket for headphones
- 1 PC/YUV socket
- 1 CI+ port
- 1 Digital audio socket
- 1 Multimedia USB port
- 1 12 V DC power socket

### Technical features

- WGA resolution (1366x768)
  - 1 Brightness 300 CD/m2
  - 1 Contrast 1000:1
  - 1 Response time 5 mS
  - DVB-S2 satellite
  - DVB-T MPEG4 terrestrial
- Weight: 3.6 kg  
Dimensions without feet: 554 x 61 x 339 mm  
Dimensions with feet: 554 x 135 x 370 mm

### TKB25

How to Increase the Audio Level of your TV with the Teleco wireless Kit.



# SMART TV

## TSV20D HEVC



**SMART TV HD 20" with DVD reader for caravans and motorhomes**  
**DVB-S2 Satellite receiver with integrated DVB-T2 HEVC terrestrial receiver**  
**FRANSAT and M7 type-approved with Fast Scan function**

The TSV20D is a SMART TV that lets you access a variety of Internet content using just the remote control. The available Apps give you access to Facebook, Twitter, Youtube, NETFLIX, Google etc. **With "Follow me" you can watch your favourite TV programme remotely on a tablet;** with "Smart remote" you can replace the TV remote control with a smartphone app, making Internet browsing much easier. With the "Miracast" application you can send content directly from PC to TV without having to use the Wifi router. The TSV20D is equipped with a Wifi drive stick to be inserted in the USB port on the TV. This drive must be Wifi-connected to the Internet and the most common method is that of splitting the connection in 3-4-5G with a smartphone; otherwise, you can install a router with a twin data card (often supplied with smartphone subscriptions) in the motor home.



- 12 V DC or 230 V AC power supply
- DVD reader
- USB port with PVR Multimedia function to record and play video and audio content
- Timeshift function
- 19.5" (49.5 cm diagonal) screen
- 10,000 satellite and 1000 terrestrial channels with LCN
- OSD in 23 languages
- Teletext
- Timer
- Parental Lock
- Audio power 2.5 W with equalizer

**DVB S2 DVB T2 HEVC DVB C**

#### Connections

- 1 HDMI socket
- 1 SCART socket
- 1 AV socket for headphones
- 1 PC/YUV socket
- 1 CI+ port
- 1 Digital audio socket
- 1 Multimedia USB port
- 1 12 V DC power socket

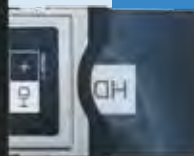
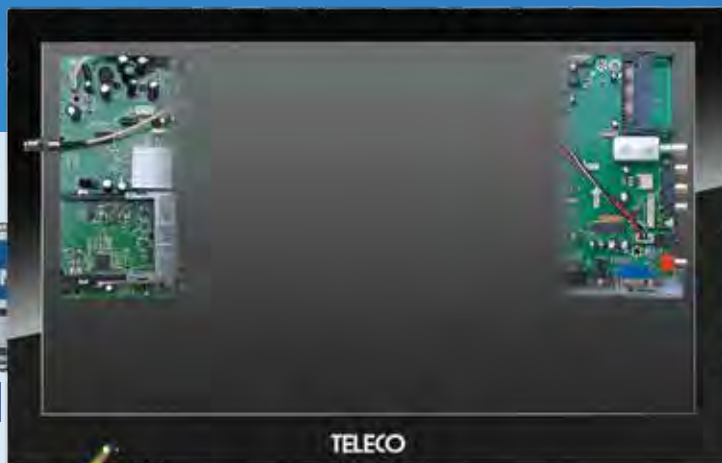
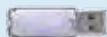
#### Technical features

- WGA resolution (1366x768)
- 1 Brightness 200 CD/m<sup>2</sup>
- 1 Contrast 600:1
- 1 Response time 5 ms
- DVB-S2 satellite
- DVB-T2 H.265 terrestrial + DVB-C

Weight: 3.3 kg  
Dimensions without feet:  
473 x 52 x 294 mm  
Dimensions with feet:  
473 x 135 x 330 mm



USB 2.0 PVR



USB 2.0 PVR



## TELECO TY2

TV with double electronic board

DVB S2 DVB T

Can be used both at home and when camping using a normal coaxial connection!

**All Terrestrial and Satellite TV programmes via a single TV**

Specially designed for campers and caravans.

Extremely sharp images



full-function remote control



**TS8**  
simplified  
8-button  
remote control  
(optional).

- Twin HD Board: 1 x Satellite DVB - S2 1 x Terrestrial DVB-T MPEG 4
- Twin CI+ port for CAM HD and SD modules for both satellite and terrestrial scrambled programmes
- Twin USB 2.0 port for both recording and playback
- 4,000 SD and HD Satellite TV and Radio Channels
- 2,000 SD and HD Terrestrial TV and Radio Channels
- Wide viewing angle is vertical or horizontal (178 ° x 178 °).



**TKB25**

How to Increase the Audio Level of your TV with the Teleco wireless Kit.



Model	TY2 / 24	TY2 / 32
Screen size	24" 61cm	32" 82cm
Maximum resolution	1920x1080	1920x1080
Screen format	16:9	16:9
Contrast	5000:1	4000:1
Brightness	300 cd/m2	400 cd/m2
Number of colours	16,7 M	16,7 M
Response time	12 mS	6,5 mS
Viewing angle (S/D, S/G)	178/178	178/178
DVB-T Terrestrial Reception		
HD Standard	MPEG 4	MPEG 4
TV and Radio channels	2000	2000
CI+ Port	1	1
Favourites lists	4	4
USB 2.0 Port	1	1
Auto Scan	•	•
LNC Channel Sorting	•	•
Teletext service	•	•
DVB-S2 Satellite Reception		
HD Standard	DVB-S2	DVB-S2
TV and Radio channels	4000	4000
CI+ Port	1	1
Favourites lists	8	8
USB 2.0 Port	1	1
Teletext service	•	•
DVD	-	-
General Features		
Multilingual OSD	D, UK, F, I, S, P	D, UK, F, I, S, P
Subtitles	•	•
Timer	•	•
Parental Lock	•	•
Game console	•	•
Audio power	2x3 W	2x8 W
Connections		
Satellite RF	F female	F female
Terrestrial RF	IEC 9,5 female	IEC 9,5 female
CI + Ports	2	2
HDMI	2	2
SCART	1	1
A/V input	1 Mini A/V	1 Mini A/V
PC INPUT	1 Mini YPbPr	1 Mini YPbPr
Audio OUT	1xVGA+Audio	1xVGA+Audio
USB 2.0 Ports	1	1
Power supply	•	•
Voltage	12Vdc/230Vac	12Vdc/230Vac
Operating consumption	2,4 - 3,3 A	6,0 - 7,0 A
Consumption in standby mode:	< 0.5 W	< 0.5 W
ON-OFF switch	-	-
Dimensions / Weight		
Width / Height / Depth without feet	582X362X54	772X483X66
Width / Height / Depth with feet	582X402X175	772X540X195
Net weight:	4,60 Kg	9,0 Kg

# Telair

## AIR CONDITIONER

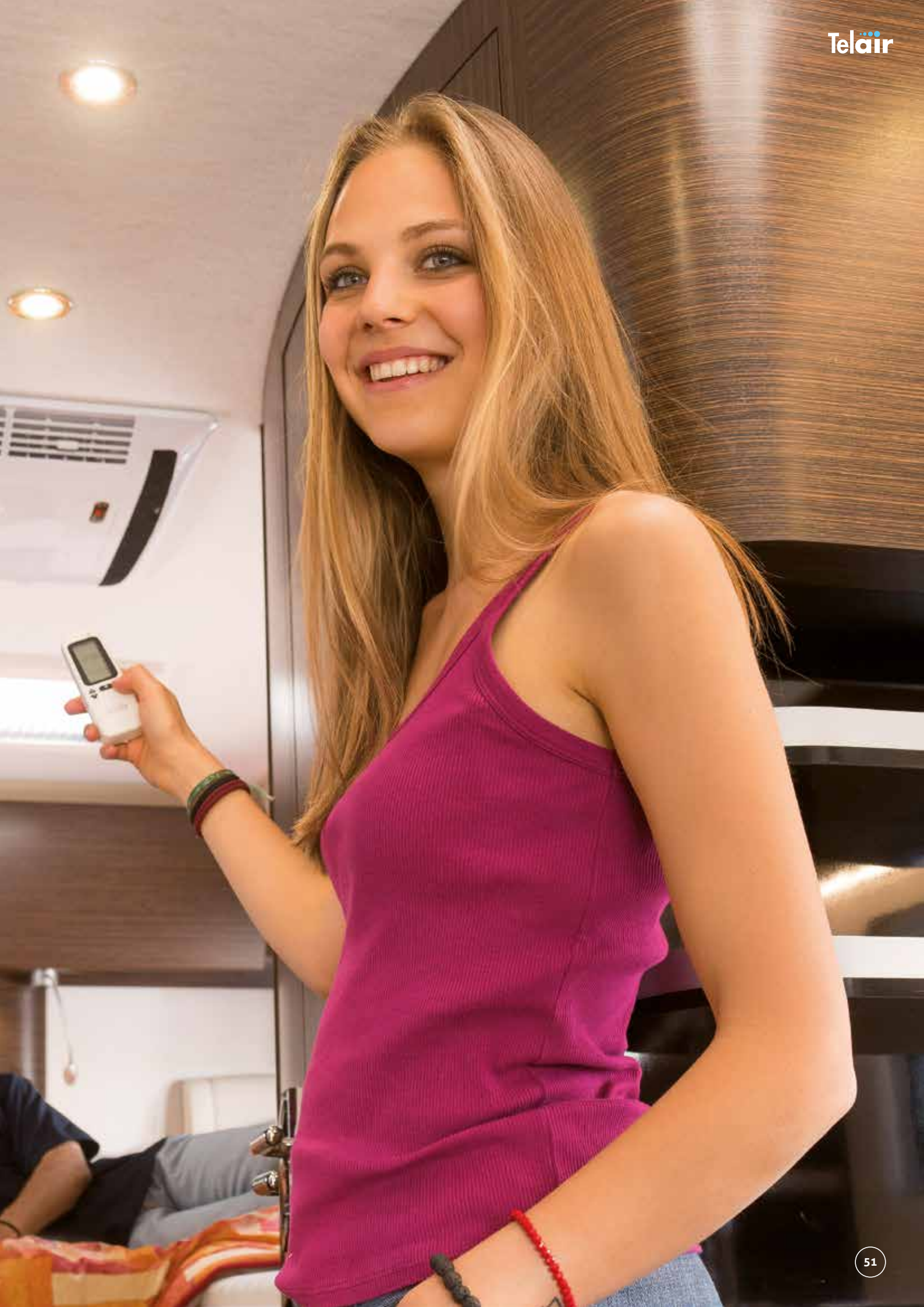
When the summer is torrid, the heat is suffocating and humidity prevents you from sleeping at night, there's no need to worry, because Telair will look after you. You don't have to miss out on holidays in the south of Europe just because heat and mugginess might make your stay unbearable. A Telair air conditioner will make your days pleasant and relaxing. A sense of well-being will accompany you throughout your holiday, the system constantly cooling and drying the air inside your motorhome or caravan. Telair's flat and aerodynamic roof-mounted air conditioners are the perfect solution, taking up minimal space inside the vehicle. Modern, innovative design makes installation of the unit on the roof quick and easy, as uses the standard 40 x 40 cm roof-light opening, without affecting the aerodynamics of the vehicle.



The new range of Dual Clima and Silent air conditioners, built with 4 different cooling levels, can be installed on any type of caravan or motorhome, from small (4 or 5 m) to large (8 or 10 m). Choosing the right model to install is simple. Just check the length of your vehicle and match it to the following table:

<b>SILENT 5400H</b>	<b>5 - 6 mt</b>
<b>SILENT 7400H</b>	<b>6 - 7 mt</b>
<b>SILENT 8400H</b>	<b>6.5 - 8 mt</b>
<b>DUALCLIMA 8400H</b>	<b>6.5 - 8 mt</b>
<b>DUALCLIMA 12400H</b>	<b>8 - 10 mt</b>





## AIR DIFFUSERS

There are two models of air diffusers for the vehicle interior:



**Dual Clima diffuser**, modern design and super-flat (just 4.9 cm thick). Fitted with an efficient and silent system for distributing cold (or hot) air that can reach any part of the vehicle. The two main outlets are connected to an adjustable flow separator that allows air to be distributed in two directions (Front – Rear) or allows the flow to be adjusted gradually until it is all concentrated in just one direction. Each of the two outlets can also be oriented from left to right and from up to down in order to maximise comfort. Fitted with 2 honeycomb dust filters that can easily be extracted and washed under running water. An LED display showing room temperature and 2 LED lights indicating the status (cooling or heating) of the air conditioner will help you control it at all times. Infrared remote control with timer (ON-OFF) and large display. Ambient lighting with two LED bars that can be activated with the remote control.

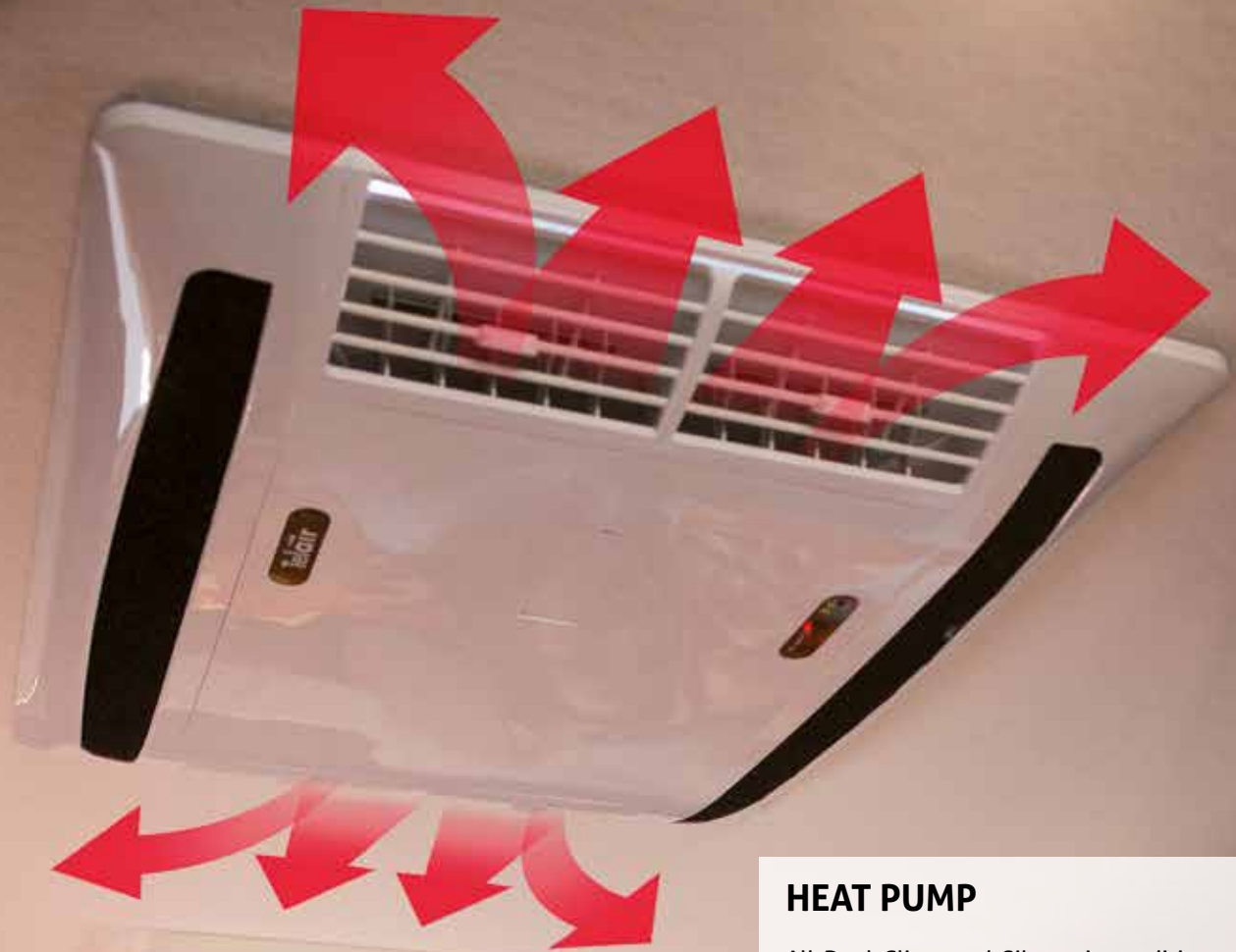
DualClima



*Silent*



**Silent Diffuser**, small, compact with cold air outlet that can be aimed in two directions (forwards and rearwards) or focused in one direction. Easy to clean, with two dust filters that can be removed effortlessly and washed in running water whenever necessary. Fitted with an LED display, a room temperature indicator and an infrared remote control with timer.



## HEAT PUMP

All Dual Clima and Silent air conditioners are also equipped with a heat pump heating system and so, in addition to being used to cool the vehicle, can be used, in the intermediate seasons, as a genuine low-cost heater.

Heat pump heating has some major advantages:

- It consumes very little with 900W of power providing up to 2.4 kW of heat
- It is healthy because it removes humidity from the air
- It is fast and switches from hot to cold automatically to maintain a constant preset temperature
- It operates correctly down to about 4°C



## DUALCLIMA 12400H



Dualclima

## TECHNICAL SPECIFICATIONS

## DUALCLIMA 12400H

Cooling power	10.500 BTU 3,10 kW	
Heat pump heating power	9.500 BTU 2,80 kW	
Fan speed	3 + AUTO	
Power supply	230 V 50 Hz	
Average absorbed current	6,6 A 6,9 A	 
Starting current	27 A (6 msec.)	
Absorbed power	1.520 W 1.600 W	
Required generator	2200 W	
Max air flow	480 m3/h	
Weight	39 Kg.	
Dimensions	23,9x98x65 cm ↑ → ↗	
Air diffuser height	4,9 cm.	
Remote control	 Timer	
Suitable for vehicles	 8-10 mt	

DUALCLIMA 8400H



SILENT 8400H



SILENT 7400H



SILENT 5400H



DualClima

Silent

Silent

Silent

DUALCLIMA  
8400H

SILENT 8400H

SILENT 7400H

SILENT 5400H

8.400 BTU  
2,46 kW



8.400 BTU  
2,46 kW



8.100 BTU  
2,40 kW



5.800 BTU  
1,7 kW



8.100 BTU  
2,40 kW



8.100 BTU  
2,40 kW



7.500 BTU  
2,20 kW



5.600 BTU  
1,64 kW



3 + AUTO

3 + AUTO

3 + AUTO

3 + AUTO

230 V 50 Hz

230 V 50 Hz

230 V 50 Hz

230 V 50 Hz

4,1 A  
4,2 A



4,1 A  
4,2 A



4,1 A  
4,2 A



2,8 A  
3,2 A



18 A  
(15 msec.)

18 A  
(15 msec.)

18 A  
(15 msec.)

15 A  
(15 msec.)

900 W  
920 W

900 W  
920 W

900 W  
920 W

630 W  
650 W

2200 W

2200 W

2200 W

2200 W

480 m3/h

450 m3/h

420 m3/h

350 m3/h

35 Kg.

35 Kg.

34 Kg.

34 Kg.

23,9x98x65 cm

23,9x98x65 cm

23,9x98x65 cm

23,9x98x65 cm

4,9 cm.

6,2 cm.

6,2 cm.

6,2 cm.



Timer



Timer



Timer



Timer



6,5-8 mt



6,5-8 mt



6-7 mt



5-6 mt



**pro mobil**  
Test 06/16  
**Stärkste  
Kühlleistung!**



GAS R407C



230 volt

TIMER

## DualClima 12400H / 8400H

### AUTOMATIC AIR CONDITIONERS WITH HEAT PUMP

**DUALCLIMA** monoblock air conditioner specially designed to be installed on the roofs of medium-to-large campers and caravans. Special care has been taken to ensure low noise both inside and outside.

- **HEAT PUMP** High-efficiency heat pump heating supplies more than double the heating power for the power supplied. The heat pump is effective for outside temperatures down to 4°C; below this temperature its efficiency is considerably reduced.
- **AUTOMATIC CONTROL**  
By activating the AUTO function, the air conditioner selects the most suitable ventilation speed and the cooling or heating function automatically.
- **REMOTE CONTROL** with a **programmable timer** and ON/OFF Switch for the Diffuser Light
- Anti-freeze protection **PROBES**
- **INTERNAL FILTERS** - can be changed and washed
- Suitable for roofs 30 - 70 mm thick



8400H 12400H  
6,5 - 8 m 8 - 10 m

#### 8400H



2,46 KW (8.400 BTU)



2,40 KW (8.100 BTU)



TROPICAL TILL 55°C



TIMER

#### 12400H



3,10 KW (10.500 BTU)



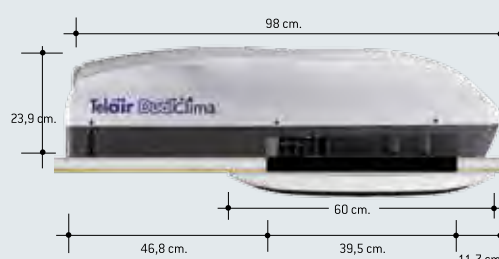
2,80 KW (9.500 BTU)



SLOW STARTER



TIMER





Extra-flat diffuser with sloping profile on all 4 sides. Direction-adjustable front and rear air outlets (horizontal and vertical).

Technical features	DUALCLIMA 12400H	DUALCLIMA 8400H
Cooling power	10.500 BTU / 3,10 kW	8.400 BTU / 2,46 kW
Heating power	9.500 BTU / 2,80 kW	8.100 BTU / 2,40 kW
Fan speed	3 + AUTO	3 + AUTO
Power supply	230 V - 50 Hz	230 V - 50 Hz
Average absorbed current	6,6 A ❄️ 6,9 A 🔥	4,1 A ❄️ 4,2 A 🔥
Starting current	27 A (6 m sec.)	18 A (15 m sec.)
Absorbed power	1520 W ❄️ 1600 W 🔥	900 W ❄️ 920 W 🔥
Required generator	2200 W	2200 W
Maximum air flow rate	480 m3/h	480 m3/h
Weight	39 Kg.	35 Kg.
Dimensions	23,9x98x65 cm ↑ ↓ ↗ ↘	23,9x98x65 cm ↑ ↓ ↗ ↘
Air diffuser height	4,9 cm.	4,9 cm.



GAS R407C



230 volt

## *Silent* 8400H / 7400H / 5400H

### AUTOMATIC AIR CONDITIONERS WITH HEAT PUMP

SILENT 8400H - 7400H - 5400H monoblock air conditioner specially designed to be installed on the roofs of small to medium sized camper vans and caravans. Special care has been taken to ensure low noise both inside and outside.

- **HEAT PUMP** High-efficiency heat pump heating supplies more than double the heating power for the power supplied. The heat pump is effective for outside temperatures down to 4°C; below this temperature its efficiency is considerably reduced.
- **AUTOMATIC CONTROL**  
By activating the AUTO function, the air conditioner selects the most suitable ventilation speed and the cooling or heating function automatically.
- **REMOTE CONTROL** with a **programmable timer**
- Anti-freeze protection **PROBES**
- **INTERNAL FILTERS**, can be changed and washed
- Suitable for roofs 30 - 70 mm thick



5400H 5 - 6 m    7400H 6 - 7 m    8400H 6,5 - 8 m

#### 8400H



2,46 KW (8.400 BTU)



2,40 KW (8.100 BTU)



TIMER

#### 7400H



2,40 KW (8.100 BTU)



2,20 KW (7.500 BTU)



TIMER

#### 5400H



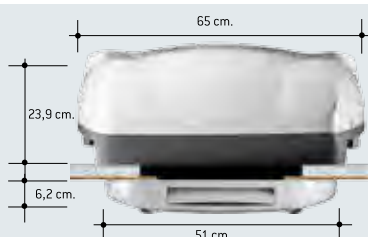
1,7 KW (5.800 BTU)



1,64 KW (5.600 BTU)



TIMER





Technical features	SILENT 8400H	SILENT 7400H	SILENT 5400H
Cooling power	8.400 BTU / 2,46 kW	8.100 BTU / 2,40 kW	5.800 BTU / 1,7 kW
Heating power	8.100 BTU / 2,40 kW	7.500 BTU / 2,20 kW	5.600 BTU / 1,64 kW
Fan speed	3 + AUTO	3 + AUTO	3 + AUTO
Power supply	230 V - 50 Hz	230 V - 50 Hz	230 V - 50 Hz
Average absorbed current	4,1 A ❄️ 4,2 A 🔥	4,1 A ❄️ 4,2 A 🔥	2,8 A ❄️ 3,2 A 🔥
Starting current	18 A (15 m sec.)	18 A (15 m sec.)	15 A (15 m sec.)
Absorbed power	900 W ❄️ 920 W 🔥	900 W ❄️ 920 W 🔥	630 W ❄️ 650 W 🔥
Required generator	2200 W	2200 W	2200 W
Maximum air flow rate	450 m3/h	420 m3/h	350 m3/h
Weight	35 Kg.	34 Kg.	39 Kg.
Dimensions	23,9x98x65 cm ↑ → ↘	23,9x98x65 cm ↑ → ↘	23,9x98x65 cm ↑ → ↘
Air diffuser height	6,2 cm.	4,9 cm.	4,9 cm.



## TSP 100W Mono-Crystalline Solar Panels

## TSP 130W

Specifications	TSP 100	TSP 130
Rated power (P <sub>max</sub> ):	100W	130W
Rated voltage P <sub>max</sub> (V <sub>mp</sub> ):	18,5V	18,36V
Rated current P <sub>max</sub> (I <sub>mp</sub> ):	5,41A	7,10A
Open circuit voltage (V <sub>oc</sub> ):	22,7V	22,03V
Closed circuit current (I <sub>sc</sub> ):	5,75A	7,80A
Module efficiency (η <sub>m</sub> ):	15,2%	15,2%
Maximum system voltage:	1000VDC (IEC).	1000VDC (IEC).
Application class:	Class A	Class A
Maximum overcurrent:	10 A	15 A
Working temperature:	85% Rh -40°C~ +85°C	85% Rh -40°C~ +85°C
Nominal operating cell temperature (NOCT):	46 ± 2°C	47 ± 2°C
Temperature coefficient at P <sub>max</sub> (γ P <sub>mp</sub> ):	- 0.41%/°C	- 0.435%/°C
Temperature coefficient at V <sub>OC</sub> (β V <sub>oc</sub> ):	- 0.31%/°C	- 0.35%/°C
Temperature Coefficient at I <sub>SC</sub> (α I <sub>sc</sub> ):	+0.045%/°C	+0.043%/°C
Upper cover: <b>tempered glass/3.2 mm</b>		
Mono-crystalline cells (pcs and dimensions)	36 125x125mm	35 156x156mm
Frame: <b>anodized aluminium alloy</b>		
Connection box (protection rating):	IP65	IP65
Lead (length/cross-section):	650 mm/4 mm <sup>2</sup>	900 mm/4 mm <sup>2</sup>
Connector (protection rating):	IP65	IP65
Module size (LxWxH) (without feet):	1195x550x40 mm	1160x830x35 mm
Weight (without feet):	7,75 kg	11,60 kg

- STC: irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, air mass AM1.5 according to EN60904-3
- Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN60904-1



## Accessories



### K2PS

Connection kit with diodes for 2 solar panels  
2 Adapters with 10A diodes  
2 double couplers for positive and negative  
CPP Connectors for extension cables



### TRC

Remote control panel for SPC 10/2 dual battery controller.



Solar panel attachment kit:  
4 ABS feet + spoiler for quick panel attachment  
with self-tapping screws



### SPC10/2

PWM 10A /12 – 24 Volt dual independent battery charge controller with selectable charge percentage and temperature compensator. Protected against: overloads, short circuits, reverse polarity. Suitable for lead batteries with Liquid, Gel or AGM technology.

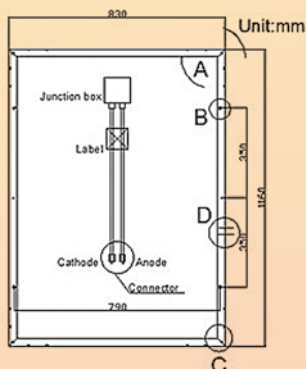
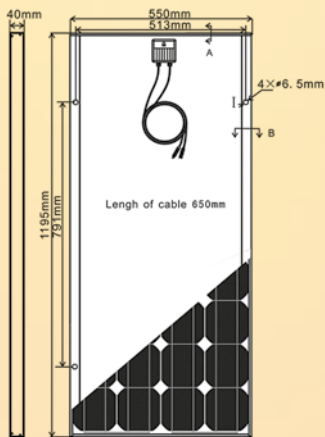


### SPC10/1

10 A /12 Volt single battery charge controller



Solar panel cleaning and gluing (TEROSON MS 930) kit



Dimensioni (± 2mm)



SPCA/TSP Aluminium cable guide



6 m extension cable

# ENERGY EVERYWHERE

## Home comforts on holiday

You don't have to worry about where you'll get the energy to run your air conditioner any more, or your hair dryer, or your satellite TV, if all the lights are on.

With the Telair line of generators, all of this is taken care of, wherever you want to stop with your motorhome!

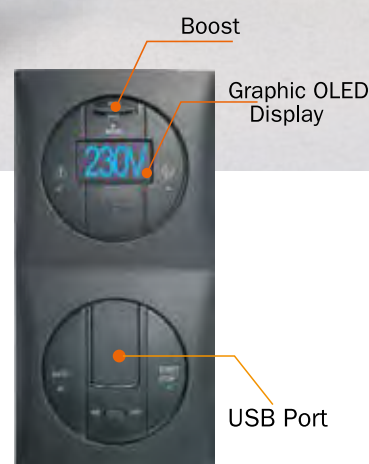





# Generators

Technical features	Model	Engine	Alternator	Max. power	Distortion frequency	Starting	Noise level	
	<b>TIG 4500B PETROL 230 Vac</b>	Yamaha MZ300	Inverter	4,5 kW - 230V 10A / 13,5Vdc	50 Hz 1%	Electric	56-60 dBA (7m)	
	<b>TIG 3000G GAS 230 Vac</b>	Yamaha MZ175 GAS	Inverter	2,9 kW - 230V 10A / 13,3Vdc	50 Hz 1%	Electric	54-58 dBA (7m)	
	<b>TIG 3000B PETROL 230 Vac</b>	Yamaha MZ175	Inverter	2,9 kW - 230V 10A / 13,3Vdc	50 Hz 1%	Electric	54-58 dBA (7m)	
	<b>TIG 3000D DIESEL 230 Vac</b>	HATZ 1820 V	Inverter	2,9 kW - 230V 10A / 13,3Vdc	50 Hz 1%	Electric	56-59 dBA (7m)	
	<b>ENERGY 2510 G GAS 230 Vac</b>	Yamaha MZ175 GAS	Sinchron 2 poles	2,5 kW - 230V 10A / 12Vdc	50 Hz 5%	Electric	58 dBA (7m)	
	<b>ENERGY 2510B PETROL 230 Vac</b>	Yamaha MZ175	Sinchron 2 poles	2,5 kW - 230V 10A / 13,3Vdc	50 Hz 5%	Electric Manual	58 dBA (7m)	
	<b>ENERGY 2510D</b>	HATZ B20V	Sinchron 2 poles	2,2 kW - 230V 5,0A / 12Vdc	50 Hz 5%	Electric	63 dBA (7m)	
	<b>ENERGY 4010D DIESEL - 230 Vac</b>	HATZ B30V	Sinchron 2 poles	3,4 kW - 230V 5,0A / 12Vdc	50 Hz 5%	Electric	66 dBA (7m)	
	<b>ECOENERGY GAS 12 Vdc</b>	TELAIR	-	25A / 12Vdc		Electric	51 dBA (7m)	
	<b>ENERGY 8012 GAS 12 Vdc</b>	Yamaha MZ175 GAS	-	70A / 13,5Vdc		Electric	56 dBA (7m)	

Max fuel consumption	Dimensions	Weight	Control panel with 5 m cable	Floor or chassis mounting	Teleco HUB	OPTION Control panel with automatic starter
2,2 Lt/h Petrol	34,5x61x46,5cm ↑ → ↘	75 kg				
0,8 Kg/h Gas	27,5x51,5x39cm ↑ → ↘	52,5 kg				
1,2 Lt/h Petrol	27,5x51,5x39cm ↑ → ↘	51,8 kg				
0,9 Lt/h Diesel	41x58,5x46,5cm ↑ → ↘	87 kg				
0,8 Kg/h Gas	29,5x55,5x38,5cm ↑ → ↘	60 kg				ASP 
1,2 Lt/h Petrol	27,5x51,5x39cm ↑ → ↘	56 kg				ASP 
0,7 Kg/h Diesel	38x66x41cm ↑ → ↘	98 kg				ASP 
0,9 Kg/h Diesel	39x69x41cm ↑ → ↘	110 kg				
0,27 Kg/h Gas	56,5x38x25cm ↑ → ↘	19 kg				
0,8 Kg/h Gas	26,5x50,1x38,2cm ↑ → ↘	52 kg				



## TIG 3000 D INVERTER DIESEL GENERATOR

 230 V AC

- Stainless steel hatch
- Removable interior
- 2 fixing systems
- Variable speed adjuster

The TIG 3000 D is a new-generation 230 V AC inverter generator powered by a Diesel engine.

The rotation speed is commanded by a newly developed electronic variable speed system which functions at an extremely low noise level and greatly reduces average diesel consumption. Inverter technology provides a very stable flow of power by pure sine wave.

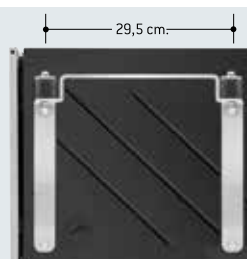
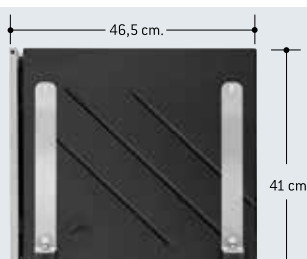
The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values. The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed.

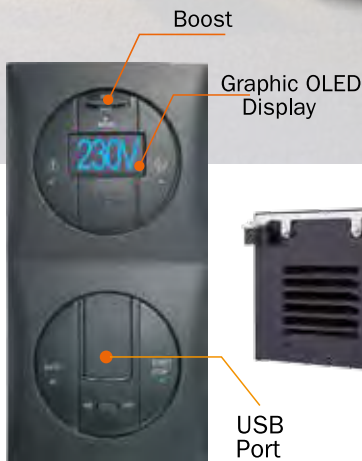
It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.

 Bluetooth®



Technical features	TIG 3000 D
Engine	HATZ 1B20 V
Rotation speed	2400 - 3200 rpm
Max. power output	2,9 KW - 230V 10 A /13,3Vdc
Distortion frequency	50 Hz 1%
Starting	Electric
Noise level	56-59 dBA (7m)
Max fuel consumption	0,9 Lt/h diesel
Dimensions	41x58,5x46.5 cm ↑ → ↗
Weight	87 kg.





## TIG 3000 G INVERTER GAS GENERATOR



230 V AC

- Stainless steel hatch
- Removable interior
- 2 fixing systems
- Variable speed adjuster



SMS



The TIG 3000 G is a new-generation 230 V AC inverter generator powered by a GAS engine (LPG).

The rotation speed is commanded by a newly developed electronic variable speed system which functions at an extremely low noise level and greatly reduces average gas consumption. Inverter technology provides a very stable flow of power by pure sine wave.

The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values.

The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed.


It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.

Technical features	TIG 3000 G
Engine	YAMAHA MZ 175
Rotation speed	2600 - 3800 rpm
Max. power output	2,9 KW - 230V 10 A / 13,3Vdc
Distortion frequency	50 Hz 1%
Starting	Electric
Noise level	54-58 dBA (7m)
Max fuel consumption	0,8 kg/h
Dimensions	27,5x51,5x39 cm ↑ → ↗
Weight	52,5 kg.





## TIG 3000 B INVERTER PETROL GENERATOR

 230 V AC

- Stainless steel hatch
- Removable interior
- 2 fixing systems
- Variable speed adjuster

The TIG 3000B is a new generation 230 V AC inverter generator powered by a petrol engine.

The rotation speed is commanded by a newly developed electronic variable speed system which functions with an extremely low noise level as well as greatly reduced average petrol consumption. Inverter technology provides a very stable flow of power by pure sine wave.

The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values.

The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed.

It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.



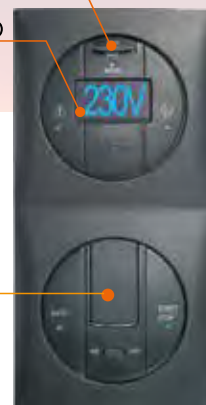
 Bluetooth



SMS

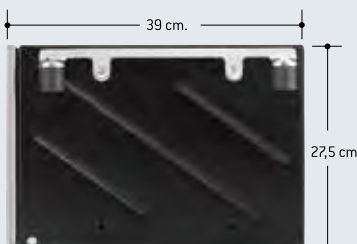


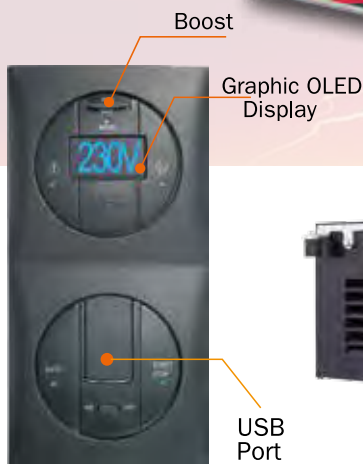
Boost  
Graphic OLED Display




USB Port

Technical features	TIG 3000 B
Engine	YAMAHA MZ 175
Rotation speed	2600 - 3800 rpm
Max. power output	2,9 KW - 230V 10 A /13,3Vdc
Distortion frequency	50 Hz 1%
Starting	Electric
Noise level	54-58 dBA (7m)
Max fuel consumption	1,2 Lt/h
Dimensions	27,5x51,5x39 cm ↑ → ↗
Weight	51,8 kg.





## TIG 4500 B INVERTER PETROL GENERATOR

 230 V AC

- Stainless steel hatch
- Removable interior
- 2 fixing systems
- Variable speed adjuster

Technical features	TIG 4500 B
Engine	YAMAHA MZ 300
Rotation speed	2400 - 3600 rpm
Max. power output	4,5 KW - 230V 10 A / 13,5Vdc
Distortion frequency	50 Hz 1%
Starting	Electric
Noise level	56-60 dBA (7m)
Max fuel consumption	2,2 Lt/h
Dimensions	34,5x61x46,5 cm ↑ → ↘
Weight	75 kg.

The TIG 4500B is a new generation 230 V AC inverter generator powered by a petrol engine.

The rotation speed is commanded by a newly developed electronic variable speed system which functions with an extremely low noise level as well as greatly reduced average petrol consumption. Inverter technology provides a very stable flow of power by pure sine wave.

The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values.


The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed.

It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.





## Energy 2510 GAS GAS GENERATOR

 230 V AC

- Remote control panel
- Stainless steel hatch
- Removable interior
- 2 attachment systems

Super-silent GAS generators with Yamaha engine, contained in a sound-proofed metal casing. Fully automatic electronic starting system complete with remote control panel with 5 m cable equipped with: total and partial hour counter, oil and gas level indicator lights, overheating indicator with automatic engine stop. Built-in battery charger, 12 Volts/10A. Pull out drawer for easy generator maintenance. 2 fixing system.

The ASP panel allows automatic power on/off if the generator is connected to a battery charger (230/12 Volt) with relative battery.

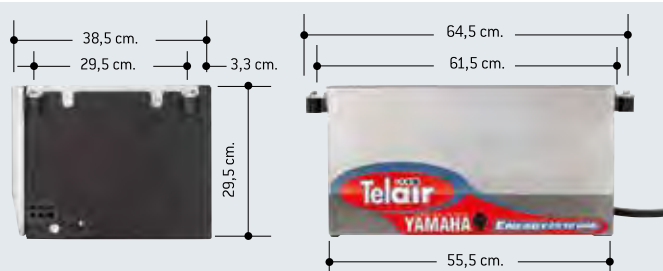


**ASP option**  
Automatic Starter Control Panel




Technical features	Energy 2510 GAS
Engine	YAMAHA MZ 175 GAS
2-pole alternator	Syncon
Max. power output	2,5 KW - 230V 10 A /12Vdc
Frequency	50 Hz
Starting	Electric
Noise level	58 dBA (7m)
Max fuel consumption	0,8 kg/h
Dimensions	29,5x55,5x38,5 cm ↑ → ↘
Weight	60 kg.

### ENERGY 2510 GAS





## Energy 2510B PETROL GENERATOR

 230 V AC

- Remote control panel
- Stainless steel hatch
- Removable interior
- 2 attachment systems



**ASP option**  
Automatic Starter Control Panel

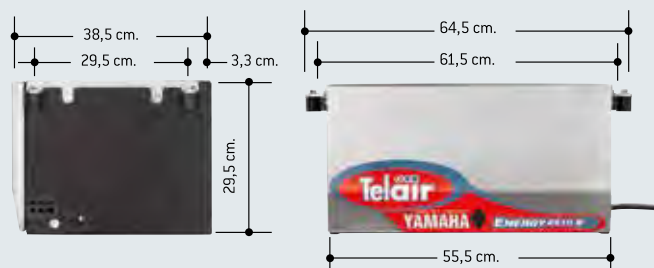


Technical features	Energy 2510 B
Engine	YAMAHA MZ 175
2-pole alternator	Syncron
Max. power output	2,5 KW - 230V 10 A / 12Vdc
Frequency	50 Hz
Starting	Electric / Manual
Noise level	58 dBA (7m)
Max fuel consumption	1,2 Lt/h
Dimensions	29,5x55,5x38,5 cm ↑ → ✕
Weight	56 kg.

Super-silent petrol generators with Yamaha engine, contained in a sound- proofed metal casing. Fully automatic electronic starting system complete with remote control panel with 5 m cable equipped with: total and partial hour counter, oil and petrol level indicator lights, overheating indicator with automatic engine stop. Built-in battery charger, 12 Volts/10A. Pull out drawer for easy generator maintenance.


The ASP panel allows automatic power on/off if the generator is connected to a battery charger (230/12 Volt) with relative battery.

### ENERGY 2510 B





## Energy 2510D DIESEL GENERATOR

 230 V AC

- Stainless steel hatch
- Removable interior
- 2 attachment systems

GENERATOR with DIESEL engine for extra-low consumption. Can be installed by directly connecting it to the DIESEL vehicle fuel tank, thus making any auxiliary tank unnecessary. Placed in a double sound-proofed metal casing, equipped with a fully automatic electronic starter system with remote control panel and a 5 metre long cable, including: total and partial hour counter plus overheating, oil and fuel level indicator warning lights.

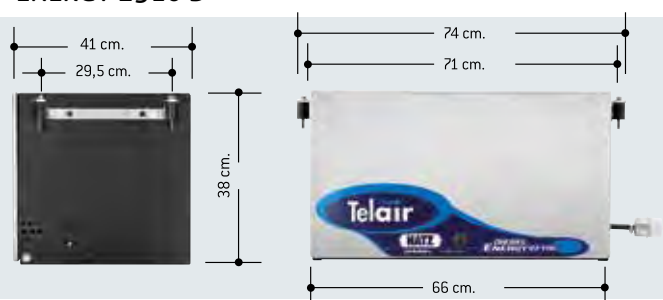


**ASP** option  
Automatic Starter  
Control Panel



Technical features	Energy 2510 D
Engine	HATZ 1820 V
2-pole alternator	Syncon
Max. power output	2,2 KW - 230V 5,0 A /12Vdc
Frequency	50 Hz
Starting	Electric
Noise level	63 dBA (7m)
Max fuel consumption	0,7 Lt/h
Dimensions	38x66x41 cm ↑ → ↗
Weight	98 kg.

### ENERGY 2510 D





**ASP**  
Automatic  
Starter Control  
Panel

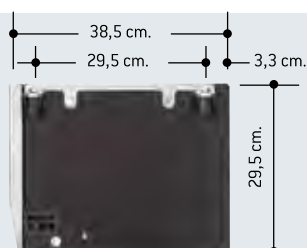
Technical features	Energy 8012 GAS
Engine	YAMAHA MZ 175
Max. power output	70A - 13,5 Vdc
Starting	Electric
Noise level	58 dBA (7m)
Max fuel consumption	0,8 kg/h
Dimensions	29,5x55,5x38,5 cm ↑ → ↗
Weight	52 kg.

## Energy 8012 GAS GENERATOR

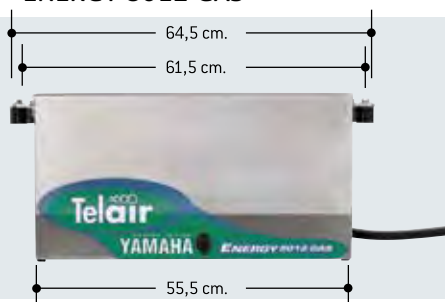
**12V** 12 V DC

- Automatic 12 Volt
- 70 Amp
- 2 attachment systems

Generator runs on LPG liquid gas and can deliver up to 70 Amps at approximately 13.5 Volts. It can be used as a power supply for a 12 V DC air conditioner, or as a battery charger with an automatic power-on system (when the battery is flat) and power-off system (when the battery is fully recharged). Great care has been taken to ensure a very low noise level by incorporating special sound insulation systems.



### ENERGY 8012 GAS





# ECOENERGY

**TG 480 • TG 480 MEF • TG 600 MEF**

**12V** 12 Vdc - 480/600 A\*

\*480 / 600 A - Daily production

Very powerful: a battery charger with a charge capacity equal to more than double a fuel cell or a 100W solar panel

Fully automatic:

starts when the battery is running low (11.9 V) and stops when it is charged (14.5 V).

Quiet: thanks to thick soundproof insulation, there is a very low amount of emitted noise (only 51 dBA at 7 m) which is almost imperceptible.

Practical and ecological: just connect it to the gas cylinder already in your camper.

Remote control panel







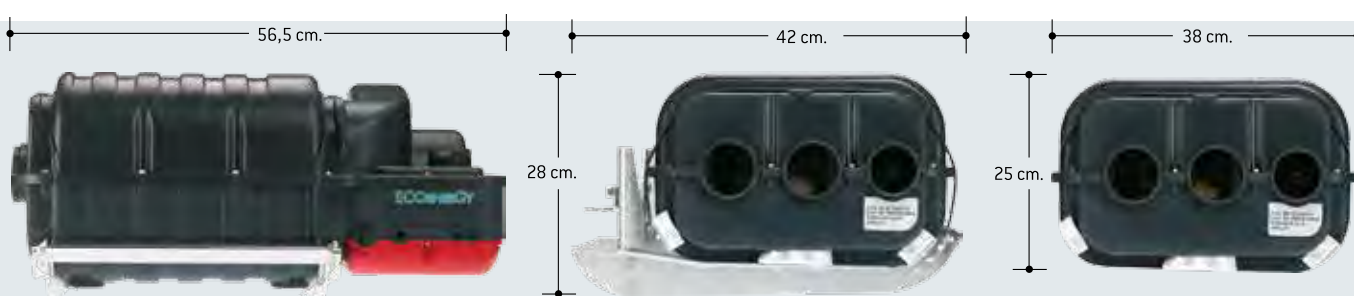
## ECOENERGY CONTROL PANEL

- 1 - Overheating and low oil level warning light
- 2 - ECOENERGY operation phases indicator light
- 3 - Automatic Start and Shutdown
- 4 - Forced Manual Start Button. Used if you wish to switch on the ECOENERGY even if battery voltage is above the minimum threshold of 11.9 Volt. When a voltage of 14.5 Volt is reached the ECOENERGY switches off the engine automatically and reverts to stand-by.

	SOLAR PANEL 100W/h	FUEL CELL 105 W/h	ECOENERGY TG480 240W/H



Technical features	ECOENERGY TG 480	ECOENERGY TG 480 MEF	ECOENERGY TG 600 MEF
Automatic operation	Start 11,9V Stop 14,5 V	Start 11,9V Stop 14,5 V	Start 11,9V Stop 14,5 V
Working temperature with propane gas	+50°C ÷ -25°C	+50°C ÷ -25°C	+50°C ÷ -25°C
Rated current A/h	20 A/h (480 A/24h)	20 A/h (480 A/24h)	25 A/h (480 A/24h)
LPG gas fuel	30 mBar ± 2	30 mBar ± 2	30 mBar ± 2
Gas Consumption/Hour	270 g/h	270 g/h	290 g/h
Lube oil consumption	1 Lt / 115 h	1 Lt / 115 h	1 Lt / 115 h
LpA 7 m noise level	51 dBA	51 dBA	52 dBA
Weight	19 Kg	19 Kg	19 Kg
Dimensions without brackets	565x380x250 mm	565x380x250 mm	565x380x250 mm
Recommended batteries	160 ÷ 300 Ah	160 ÷ 300 Ah	160 ÷ 300 Ah
Supplied current can be selected: fixed or variable	–	●  MEF	●  MEF
High altitude operation up to 2300 m	–	●  MEF 2300mt	●  MEF 2300mt
Connection cable with control unit	5 mt	5 mt	5 mt







## BRIDGE Patent Pending

The intelligent solution for connecting 2 or more batteries in parallel without any risk of the vehicle not starting

Technical features	BRIDGE
Power supply (from service battery)	12 Vdc (8 ÷ 18 Vdc)
On-panel controls	OFF - AUTO - MAN
Max transit current between the 2 batteries	50A
Voltage drop to 50 A	<0,1 V
Engine battery flat alarm (<12.0 V)	Beep - Flash
Service battery flat alarm (<11.4 V)	Beep - Flash
Automatic activation of engine-service batteries parallel connection	> 13,0 V
Automatic deactivation of engine-service batteries connection	< 12,5 V

1- Allows you to use, in the event of necessity, some of the energy from the engine battery to temporarily boost the service battery, with the guarantee that the engine battery will be left with enough charge to start the vehicle;

2 - If the engine battery is flat and the vehicle cannot be started, the BRIDGE lets you channel about 50A from the service battery to the engine battery in just a few minutes. Should this not be enough just switch on your ECOENERGY (TG480 / TG480MEF / TG600MEF)

and after just 15 minutes the engine battery will have enough power to start the vehicle.

3- With the BRIDGE operating in AUTOMATIC mode together with the TG480 (or TG480MEF / TG600MEF) the current supplied by the latter will charge not only the service battery but also, on exceeding a voltage of 13 V, automatically charge the engine battery (up to a maximum of 14.2 V), thus ensuring it is always ready to start the vehicle.



## INVERTER TE 1500 SI-AC

The TE 1500 SI-AC pure sine wave inverter has been designed to support the high starting current of air conditioners installed in camping-cars. The inverter supplies all the installed devices at 230 V until 1500 Watt via the 12 V from the service battery. If the air conditioner is switched on just press a key: after the electronics recognizes the charge power and the power on board, the air conditioner will switch on automatically. The control electronics continuously check operation and makes sure everything is correctly set up and that the electronics are not overloaded. When the vehicle is parked and power supply from the fixed net is available, it will all be redirected to this source automatically.

## PROFESSIONAL LINE INVERTER with pure sine wave MADE IN GERMANY

### Suggestions for correct use:

- Use an alternator with a capacity of at least 90A to run a Telair Silent 5400H air conditioner
- The service battery must have a capacity of at least 100 Ah

### Content of the TE 1500 SI-AC inverter kit:

TE 1500 SI-AC with connection cable to the service battery (35mm2, 1.2 m)

Fuse holder (250 A) • Fuse (225 A)

## TIG3000, ENERGY Accessories - 230 V AC Generators



**S15**

15 L petrol and diesel tank, complete with filler and reserve indicator.



**S15B**

15 L petrol and diesel tank, complete with filler and reserve indicator.



**SS15**

Bracket for tank.



**SP15**

Folding brackets for fuel tank attachment



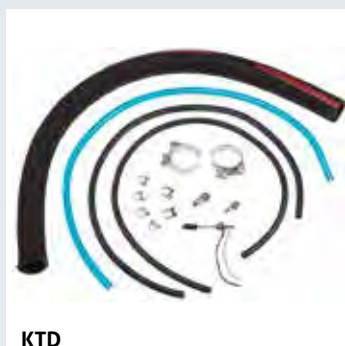
**TB40**

Ø 40mm petrol pipe connecting the S15 tank to petrol filler.



**KTB**

Petrol pipe kit for S15 tank



**KTD**

Diesel pipe kit for S15 tank



**TB6 - TB7 - TB5**

TB6 – pipe 6x12 for petrol  
TB7 – 7x13 delivery pipe for diesel  
TB5 – 5x 12 return pipe for diesel



**RB**

Petrol fuel tap with brackets



**FB**

Petrol filter



**CPS**

Protective Cover for Silent/ Dualclima Air Conditioners



**PEC**

Electric fuel pump



**FD**  
Diesel filter



**MSE**  
Spacer box for control panel



**CDR10 - CDR15**  
CDR10 - 10 m panel connecting cable  
CDR15 - 15 m panel connecting cable



**CR**  
Relay for automatic mains power / Energy generator switchover.



**RCB**  
Battery charge adjusting unit.



**KDM**  
90° connecting pipe kit for diesel generator



**MAE/2**  
Additional muffler for petrol generator Energy 2510B and gas generator Energy 2510G.  
Pipe length: 1 m



**MAE/4**  
Additional muffler for petrol generator Energy 4010B and gas generator Energy 4010G.  
Pipe length: 2 m



**PM22 - PM30**  
PM 22 - Hose Ø 22 for additional muffler MAE/2  
PM 30 - Hose Ø 30 for additional muffler MAE/4 and Diesel

## ECOENERGY accessories - 12 V DC generators

### Installation brackets



**SMTG**  
90° mounting bracket.



**SPTG**  
Floor fastening.



**SSTG**  
Hung bracket.



**SATG**  
Bracket for AL-KO frame.



**KPTAG**  
Conversion KIT from SPTG to SATG.



**KPSTG**  
Conversion KIT from SPTG to SSTG.



**KESMTG**  
SMTG bracket extension KIT.

### For lubrication

**TGO 1000** - Description: 100% synthetic strawberry-scented special oil for 2-stroke engines. Considerably reduces the emission of smoke and bad smell from the exhaust pipe, keeping the motor clean and always ready to start (0.45 l).



**TGO 1000**



**SOR**  
Remote Oil tank kit.  
Pipe length: 2.7 m

## Switches, clamps and cables

**SWTG**

Disconnecting switch kit for TG 480 / TG 480 MEF / TG 600 MEF

**MB3P**

3-way multiple clamp for battery Positive Pole (+).

**MB3N**

3-way multiple clamp for battery Negative Pole (-).

## Accessories for intake and exhaust gas

**TSA50**

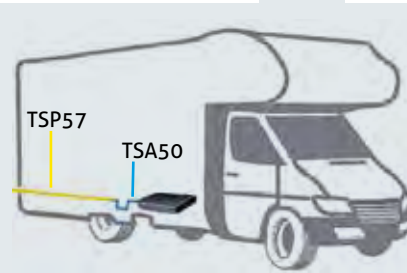
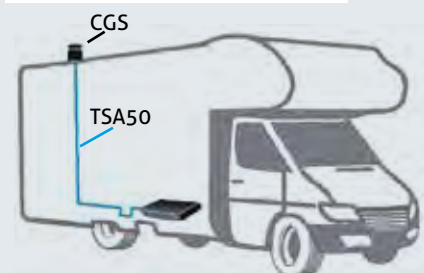
Metal exhaust pipe, Ø 50.  
Standard length: 1 m

**TSP57**

Ø 57 PVC hot air pipe.  
Standard length: 10 m

**MAG**

Supplementary exhaust  
450mm x 70mm



## Gas pipes and couplings

**RG8**

K8x8 gas tap.

**TGF88**

Gas hose (0.4 m) with olive connectors 8 mm.

## Other accessories

**KSS**

Start threshold kit (12.04 V;  
12.18 V; 12.32 V).

**KH**

Hour counter kit.

**TELECO**  
SAT EQUIPMENT

**Telair**  
AIR CONDITIONER





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