

York Campervan Hire

VW Campervan

BD17HHJ

Vehicle Instruction manual

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VEHICLE RULES

No smoking or vaping in the vehicle.

No storing bicycles in the vehicle.

Please remember the speed limit for this vehicle is 50mph on single carriageways and 60mph on dual carriageways. Even if the signs say 60mph on single carriageways and 70mph on dual carriageways the speed limit for this vehicle is 10mph less. The speed limit on a motorway is 70mph.

Please ensure all seat covers are left on at all times.

Dogs are not allowed on seats and beds.

Generally, drivers of other VW campervans will wave at you wherever you go, although not a legal requirement, we recommend giving them a wave back!

SAFETY EQUIPMENT

The vehicle is equipped with the following safety equipment. Please ensure you locate and check the equipment and familiarise yourself with its operation:

- Fire extinguisher (Located under front passenger seat)
- Fire blanket (Located under front passenger seat)
- CO2 alarm
- Driver airbag
- Passenger airbag

DRIVING

Starting the Vehicle



The vehicle runs on diesel and therefore the glow plug light will appear on the dashboard when the ignition is first switched on. Do not start the vehicle until the glow plug light goes out – this usually takes only about a second.

Refuelling



The fuel filler flap is located on the passenger side just behind the front door. The vehicle runs on **diesel**. Please ensure the fuel filler cap is replaced after refuelling and securely tightened.

Locking Wheel Nut Adaptor

This is located in the vehicle within the glove box. Please do not remove this from the vehicle. If the locking wheel nut adaptor is lost the cost of replacement will be deducted from the security deposit.

Sat Nav



The vehicle is equipped with a JVC KW-M785DBW 6.8" screen digital media receiver USB Bluetooth Apple Carplay and Android Auto with aerial.

The instruction manual for this item is located within the vehicle.

You will need to pair your smartphone device to the unit to enable functions.
Basic Instructions to pair:



Press the home button on the left hand side to bring up the main screen



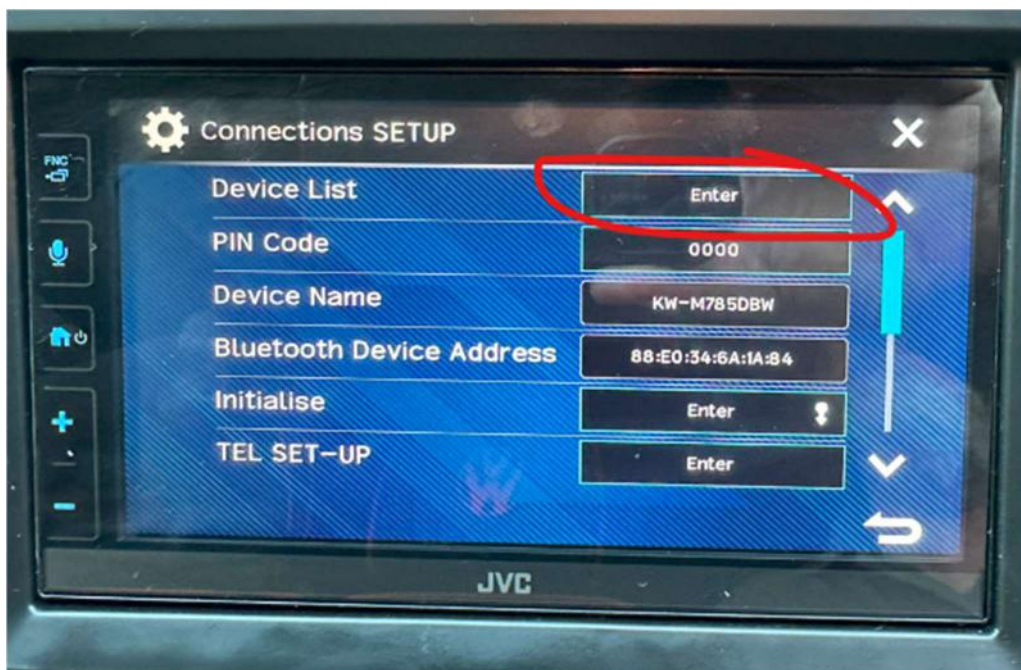
Press the settings button symbol on the touch screen



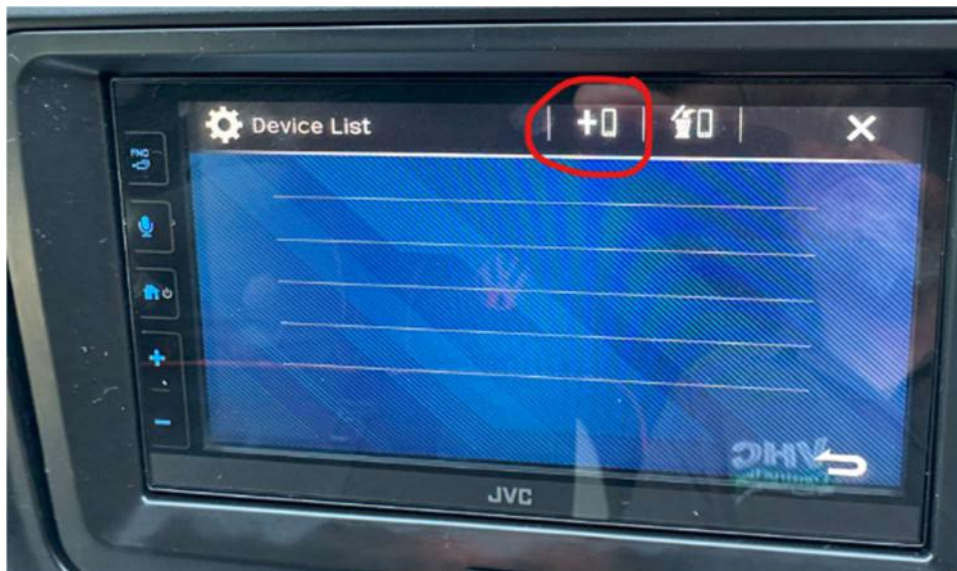
Now press “**system**” on the touch screen.



Press the down button on the touch screen once until the “**connections setup**” item appears. Press enter.



Next press the “**enter**” button next to the item called device list.



Now press the “+” button at the top of the touch screen to add your device.



Finally, follow the on screen instructions to connect your device. When asked if you would like to enable CarPlay (Apple devices) please press yes.

The unit will now play your music, provide handsfree telephone and can be used for sat nav directions plus many other features.

No Smoking



Rear Barn Doors



When closing the two rear barn doors always ensure the right hand door (Viewed from the outside) is fully closed before the left hand door. If the doors are not shut in this manner the roof spoiler and paintwork will be damaged.

Locking the Vehicle



When locking the vehicle on a night do not use the key remote fob – this will activate the alarm and movement sensors. Lock the doors using the central locking button in the front cab located on the driver's door.



The rear and side doors can be individually locked by pressing the lock buttons shown above.

Front Passenger Seat – Storage Compartment

There is a large storage compartment located under the front passenger seat accessed by lifting the seat cushion.



Lift the seat cushion from the front edge.



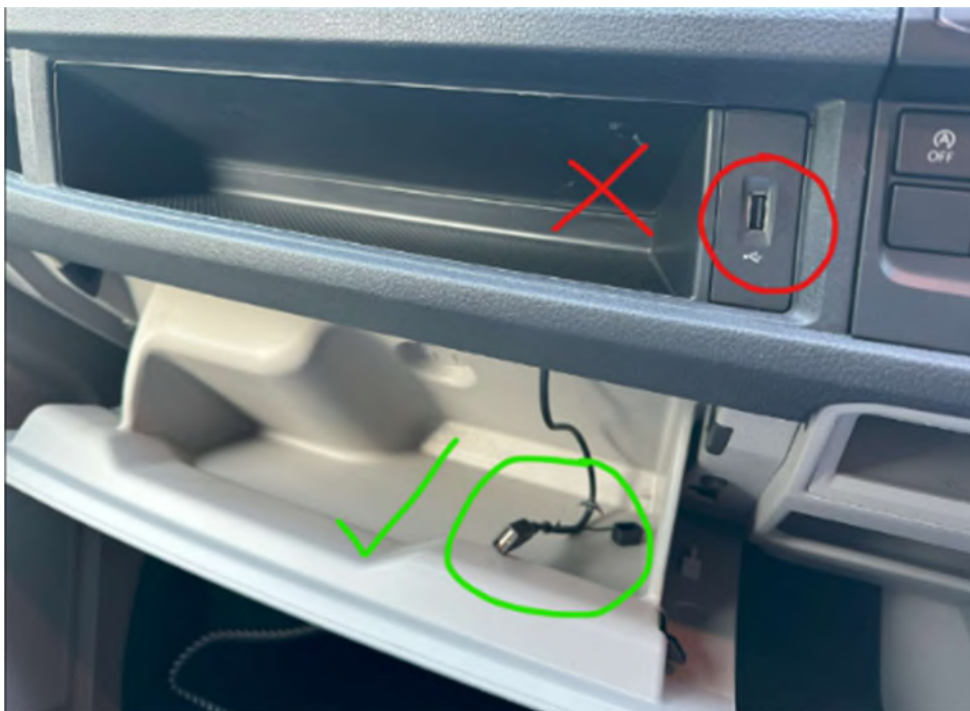
Now push down on the front edge and the seat will pivot upwards.



Now lift the seat cushion to reveal the storage compartment. To close the compartment, return the seat cushion into place.

Please note that as the passenger seat is fitted with seat covers it may make the operation of the storage compartment slightly stiff – this is fine, with an extra bit of pressure the seat will return to the closed position.

USB Charger



Please use the USB charger located within the glove box compartment. The USB port mounted on the dashboard is not connected and will not work.

VEHICLE SETUP

Parking and Levelling



Arrive and park up at camp site or location. Choose pitch or parking spot

Ensure vehicle is parked on level ground where possible.

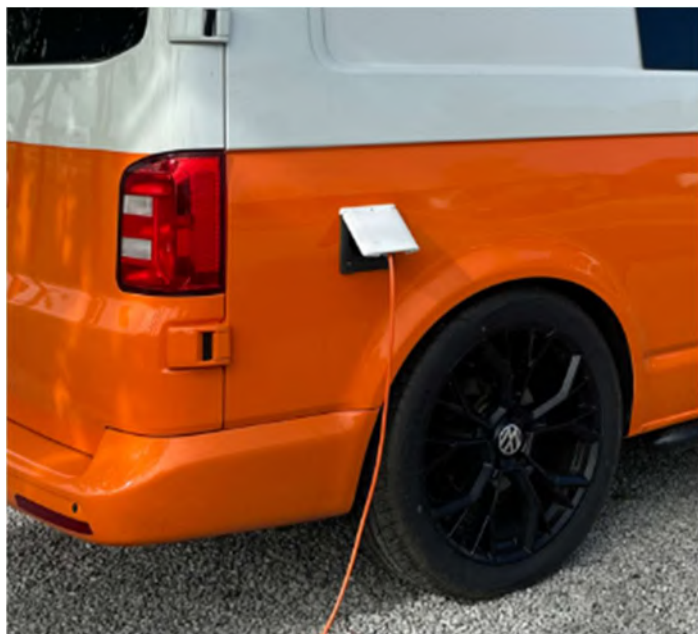
If the vehicle is on a slope either front to back or side to side the use the levelling ramps to raise the vehicle as required. These are stored in the rear storage compartment under the rear seats accessed from the rear barn doors.

There is a small two way spirit level located within the vehicle to help with levelling. This is located in the glovebox.



Ensure the handbrake is firmly applied once the vehicle is parked.

Electric Hookup



Where electric hookup is available connect to the vehicle. The connection point is on the driver side of the vehicle located towards the rear under a plastic flap.

Locate the electric hookup cable within the vehicle, usually in the storage compartment under the front passenger seats or in the rear under seat storage compartment accessed from the rear barn doors. The cable is 25m long and will be in a storage bag.



Connect the lead to the vehicle first using the female adaptor end. This is so you are not carrying a live unconnected cable. Unroll the cable completely and connect to the electric hookup point. Important – do not leave the cable tightly coiled up when connected as it can potentially overheat.

Ensure to read all the instructions on the electric hookup point – some connections require the plug to be twisted to make final connection. Some charging points also require you to switch the electrical breaker switches on.

If you are not sure for any reason please speak to the campsite owners.

If the connection is not connected correctly then the vehicle will not charge and you won't be able to use the 230v power sockets.

Power Unit



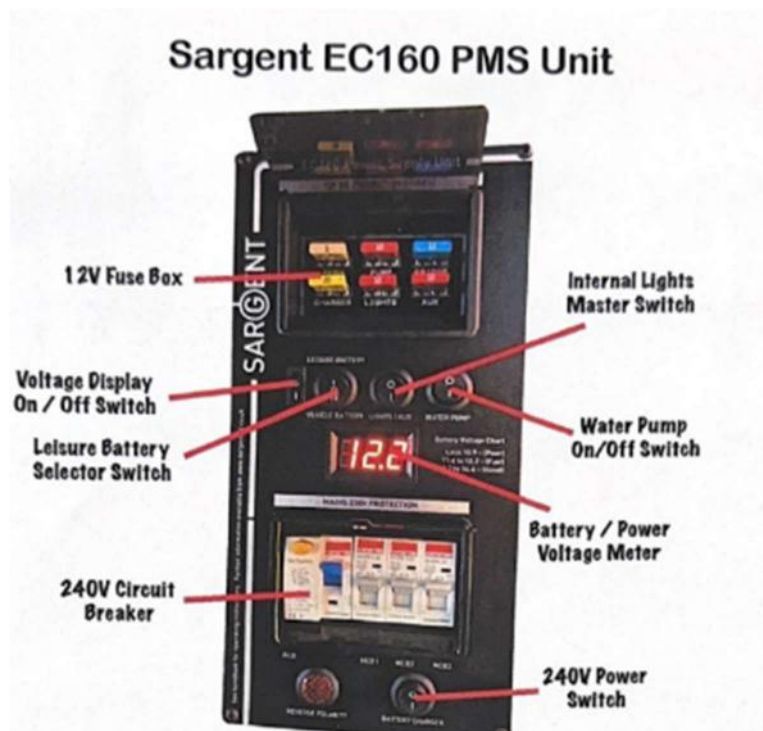
The power management unit is located to the rear of the vehicle internally on the driver's side.

The vehicle has two batteries – one is the normal vehicle battery for starting and driving the vehicle. The second is a leisure battery which is used for powering the camping features of the vehicle.

Do not charge the vehicle with the electric hookup while the engine is running.

The leisure battery is charged when the engine is running – this takes around 15 minutes. The leisure battery will last for around 2.5 days without requiring charge – subject to use.

The 230v 3 pin socket outlets will only work when the vehicle is connected to a mains electric hookup. The USB power points will work when the vehicle is being powered by the leisure battery.



Voltage Display on / off switch

The single function of the switch is to simply turn On or Off the voltage display.

Leisure Battery Selector Switch

There are three positions for this switch, the centre one being OFF, the top position being Leisure battery and the bottom being vehicle battery. However, it does not matter which battery switch you choose they both go to the leisure battery thus not allowing you to drain your vehicle battery.

240V Power Switch

The switch should be turned on when you have your 240V hookup cable connected along with your leisure battery switch selected - this will allow all of your 240V sockets to work along with sending a trickle charge to your leisure battery.

Battery Power Voltage Meter

Here we have an indicator to tell you how much battery or voltage you have when switched on. This meter reading will go up when either the engine is running or when you are plugged into hookup.

Water Pump On / Off Switch

Always travel with this switch in the off position and when stationary or on site please turn on to allow the flow of water through the pipe.

Internal Lights Master Switch

When this switch is in the off position it will turn of all the internal lights in the camper – this is a useful feature when in bed on the rock and roll bed.

Sink and Taps

The first job is to connect the wastewater collection tank.



Locate the grey wastewater outlet on the underside of the driver's side of the vehicle in front of the rear wheel.



Carefully lift the grey flap and connect the short black ribbed waste pipe. The pipe is stored in the rear storage compartment of the vehicle under the rear seats.

The black ribbed pipe fits into the circular recess on the grey plastic outlet and must be twisted in using both hands, one hand holding the grey outlet and one hand holding the black pipe – **do not push on the grey outlet without supporting this or it may break.**



Unscrew the large yellow cap from the dished section of the tank. Please keep this cap safe in the vehicle, if left outside it may be blown away. Place the black wastewater container under the vehicle and lay the ribbed pipe into the receptacle. The tank is stored in the rear storage compartment under the rear seats accessed from the rear barn doors.

When the tank is full or you are driving away remove the tank and pipe and refit the large yellow cap to the dished section. Dispose of the wastewater in a suitable wastewater disposal.

Replace the grey waste outlet fold down cover.

Do not forget to remove and stow the tank before driving away.

Dry the tank and pipe with a cloth and stow within the rear storage compartment of the vehicle under the rear seats.



The freshwater tank to supply the sink is located in the cupboard underneath the sink.

This tank holds 10L of cold water.

To retrieve the tank, unclip the restraining strap and unscrew the black lid. Once fully unscrewed carefully pull out the pipework and pump.

Fill the tank with up to 10L of cold fresh drinking water.

Place the tank back in place and secure the restraining strap.

Place the pump and pipework back into the tank and refit the black screw lid.

Use a cloth to mop up any water drips and dry the area.

Ensure the water pump switch is turned on – this is located on the power management panel at the rear of the van on the driver's side internally.

To operate the sink tap carefully raise the glass lid. Now carefully raise the sink spout. The tap will now operate and you will hear the pump – this will draw water through to the sink.

The water is cold only.

Do not operate or leave the tap on once the water supply tank is empty as this may damage the equipment.

Gas Stove



Raise the glass lid to expose the two gas burner rings.



The gas stove is supplied by a gas cannister located in the rear of the vehicle.

The compartment door is located at the lower right side at the rear. To access this compartment open both rear barn doors to the vehicle.



Pull down the hatch to reveal the gas cannister. The hinges are spring loaded so please lower the door carefully.

The gas cannister will be supplied with sufficient gas for your hire period.

The red gas valve at the top of the cannister will be closed. The valve should remain closed while driving and when not in use.

To operate the gas supply to the stove open the gas valve by turning the red valve anti-clockwise.

There should be no reason to remove the valve or the cannister from the compartment during the hire period unless instructed by York Campervan Hire.

The gas canister is a 2.75kg Campingaz 907 gas bottle.

To light the gas burner, turn on the gold burner rotating knob and push down while simultaneously pressing the ignite button.

When first operating the stove you may need to hold down the burner knob for a moment to bring gas through to the burner.

The height of the flame can be adjusted with the gold burner rotating knob.

Under no circumstance should the glass lid be closed when the gas burners are lit.

Also please allow time for the burners to cool before closing the glass lid.

Please be careful when operating the gas stove. This is a naked flame and care must be taken at all times to prevent fires.

Rotating Front Double Passenger Seat

The front double passenger seat rotates and slides into the rear space for seating and dining.



The seat is secured by five sprung screws, three to the rear and two to the front, which screw into the chassis.

When the vehicle is in motion all five screws **must** be securely fitted and tightened to maintain the crash stability of the seat. This is very important.

To release the seat, undo all five sprung screws. Please note the bolts will spring up once fully undone. The seat will now slide in all directions and rotate through a full 360 degrees.

Due to its full range of motion the seat can clash with the driver's seat, the handbrake, TV and bracket (if fitted) and frame of the vehicle. Therefore, please carefully manoeuvre the seat in to position taking care to move around these items.



The easiest way is to push the seat straight back towards the rear of the vehicle and then rotate anti-clockwise – at this point be careful to avoid the TV (if fitted) and the handbrake.



Keep turning the seat anti-clockwise until facing the rear of the vehicle. Now the seat can be pushed backwards and forwards as required for seating or dining. It can help to slide the seat slightly towards the passenger side of the vehicle to avoid hitting the handbrake.



Prior to driving away return the seat to its original position – the easiest way is to reverse the process described above.

Now align the five screws with the corresponding holes below. It is helpful to align the base plate of the seat with plate below. This process can be quite fiddly and so take time to complete this task. The fiddliest is the front screw nearest the driver's side and it is worth locating and fitting this screw first.

Once you have located the first screw in place push down against the spring and start to tighten until the screw "bites". Now make a few more turns but do not fully tighten. This will make it easier to locate the other screws.

Once all five screws are located and screwed in you can then fully tighten all five. Remember this is the structural connection for the front passenger seat so tighten very firmly.

Internal Fold Out Table



The internal fold out table is stowed on the right hand rear barn door.

To remove the table, release the two catches at the top and carefully slide the table upwards.



Locate the table on to the rail on the face of the unit just below the sink with the two clips and lower the support leg. This will require the table to be angled down slightly to engage the hooks, lift the support leg slightly to help with this manoeuvre.

To remove the table, remove from the clips and fold back the leg and slide across to lock in position.

Stow the table in the holder on the rear right barn door and engage the two clips to secure in place.

Curtains

All the windows to the side and rear of the vehicle have curtains.

The curtains are held open with small popper fastenings – to open the curtains carefully remove the popper fastenings.



The curtains have small runners top and bottom that slide across within a metal track to open or close the curtains. These can be fiddly sometimes so please be careful – try to slide the top and bottom together to make opening and closing easier. If the runners catch in the track they can be wiggled back and forth gently to help them move.

Front Windscreen Privacy Cover

The only window that doesn't have built in curtains is the front windscreen. For privacy the external windscreen blackout cover can be fitted.

The cover is stored under the front passenger seat is a fabric bag.

Start by fitting the cover over one of the front doors as below. Once in position close the door – the cover fits snugly so it can't be fitted completely without closing the first door.



Then spread the cover over the front windscreen around to the other door and hook over the second door – due to the snug fitting of the cover ensure the first door is shut and the second door is only slightly open just enough to hook over the cover.



Once in position on the second door ensure the cover is fitted neatly over the windscreen and close the second door. Now tuck the cover under the windscreen wipers and secure around the two wing mirrors with the Velcro straps.

To remove the cover, reverse the instructions above. If the cover is damp or wet please try to dry out where possible. The cover can be folded and returned to the storage bag.

Pop Top Roof and Bed



The vehicle is equipped with a Skyline pop top roof and bed.

Putting Roof Up:

The roof should not be raised in very windy conditions. If the roof is already raised and strong winds start, please lower the roof.

Firstly, ensure there is sufficient space above the van to allow the roof to rise. Make sure there is no tree branches or any other obstructions or overhanging items that will clash with the roof. It is easier to raise the pop top roof with the front passenger seat turned round in the rear facing position.



The two black strap and clips above the cab secure the roof down. Release the two crocodile clips and pull out the strap. Do not fully remove the strap but allow enough slack for the roof to rise.



If you pull the crocodile clips down on the strap until they are sat on the passenger seat this will give you sufficient slack to raise the roof.



Now grip the two handles on the pop top roof and push upwards firmly. Once in motion the roof will rise on its own using the gas struts.



The bed platform can now be raised or lowered. This will give you more headroom and space during the day.

The memory foam mattress on the pop top bed will already be in place. Do not remove this.

The easiest way to access the pop top bed is by stepping on the double rotating passenger seat when it is in the rear facing position. Please do not step on this seat while wearing shoes to prevent damage to the seat.

The pop top bed has a weight limit of around 80kg. Ideally it is suited to two small children or one adult. Please remember any damage caused to the vehicle will be chargeable.

There are various vents and windows in the pop top roof fabric – these can be opened and closed using the zips.

Putting Roof Down:

Firstly, make sure all windows and vents in the pop top roof fabric are zipped up and secured closed.

Ensure the memory foam mattress is situated centrally and will not prevent the roof being closed.



Stand in the van facing the rear and pull down the bed platform first. This is on gas struts so will be easy to pull down. The rear lateral restraint strap is shown by the arrow above. The lateral restraint straps help pull the pop top material inwards when closing to help prevent it becoming trapped between the roof and the vehicle once closed.

Next ensure the pop top lateral restraint straps are in place, this will make it easier to close the roof and ensure the material does not get trapped. There is one strap towards the rear of the roof compartment, this generally will always remain connected. The second strap is located towards the front over the cab – this is often disconnected while camping to aid access to the roof area.



The lateral restraint straps help pull the pop top roof fabric inwards when closing the roof. Once the roof is closed the front lateral restraint strap can be disconnected and the straps tucked in.

Now pull down firmly on the two grab handles, this will require an initial pull to gain momentum and then the roof will close easily, again, on the gas struts. If you are not tall enough to reach you may need to stand on the front passenger seat – please do not wear shoes when standing on the chairs.

We would recommend closing the pop top roof with the rotating passenger seat still facing towards the rear as this provides more space to carry out this operation.



Check externally that there is no roof material trapped between the pop top roof and the van roof. If there is, lift the roof up again and repeat the previous steps ensuring the material is not trapped.



Carefully tuck the excess roof material in around the roof internally.



The roof is now secured down using the two straps and crocodile clips. Make sure these straps are pulled down to create tension and the roof sits snug down to the van.



These two straps and clips are the only thing holding the roof closed so please make sure they are secured and under tension.

Now roll up the excess strap and tuck into the roof.



The final check is to ensure the pop top roof is set down flush on the vehicle roof. This is very important – if the roof is not sat flush and tight to the roof and fully secured there is a danger that when driving at speed the wind could force the roof up and cause a major incident.

Rock and Roll Bed

The rear seats of the vehicle convert to the main bed.



To convert the seats to a bed, lift the release handle located under the base of the seat as shown.



Next pull the seat belts out as shown and start to slide the seat base forward. The whole seat will now start to slide and move towards the flat position.





The bed is now in the fully flat position and ready for sleeping.



If you have hired the optional memory foam mattress for the rock n roll bed this is contained in the Duvalay storage bag. Please note the mattress is bespoke designed for the vehicle and has a corner cut out which corresponds to the back rear passenger side corner of the bed.

There will be a bespoke fitted cover for the mattress included within the bag which is to be fitted.



To return the seats to the upright position, kneel / crouch in front of the rock n roll bed and pull the seat belts out in the same manner as when lowering the seat. Lean your weight against the front edge of the seat and simultaneously lean across and pull up at the centre point of the bed – this will “break its back” and use your weight to start pushing the seat back up into the upright position.

This process can be a little tricky the first time and may take a couple of goes to raise the seat. Once you master the technique it will be much easier. It may sometimes be easier for two people to carry out this operation.

Once the seat is back in the upright position make sure it slides fully back and the under seat black handle is secured down in the lock position.



Quite often the seat belt clips will slide down and remain under the seat base – to retrieve these just push your hand in to the gap and slide the clips back up ready for use.

The rear seats can also be reclined to four positions using the same mechanism. Again, lift the release handle and slide the seat forward until the handle clicks back into the lock position.

The seat must be returned to the fully upright position prior to driving the vehicle.

EN



COMFORT CONTROL

User's manual

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Warranty Department warranty@autoterm.com
Technical Support service@autoterm.com
www.autoterm.com

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INTRODUCTION

Dear Customer!

Thank You for choosing control panel AUTOTERM Comfort Control! We are doing everything to make this product meet Your requirements, so its quality satisfies every customer.

Comfort Control is designed to be intuitive and comfortable to use, to ensure the best experience when it comes to controlling Your climate.

AUTOTERM Comfort Control is compatible with all AUTOTERM AIR and FLOW heaters.



Some older versions of PLANAR heaters may not support some of the functions.
In case of questions about compatibility with older products please contact Your local dealer or AUTOTERM Service center.

In case of any problems, we strongly recommend to contact certified service centres. Contact information and location of certified service centres can be found at our website www.autoterm.com.



Please read carefully this manual before operating the AUTOTERM heaters.
This manual contains needful information in order to use this product correctly.
Disregard of these instructions can void the warranty of the product, lead to damage of product and/or property and be a risk to health.



If the heater is handled and/or installed improperly, there is a possibility of a fire hazard and damage of property because fuel and electrical components are being used. That is why all safety precautions, operation and installation instructions must be observed.

For other languages of this manual, please see www.autoterm.com/manuals.

SAFETY INSTRUCTIONS



Risk to health and/or damage of product

- The heater may only be used for the purposes specified in its respective operation manual.
- DO NOT use the heater in closed and/or poorly ventilated places (e.g. garage, workshop, etc.)
- Do not step on the heater or put any objects on it and in it.
- Do not put any body parts or items in to any of the air inlets or outlets of the heater.
- For air heaters. Do not allow hot air to be blown directly at people, animals or heat sensitive objects.
- To avoid burns, do not touch the exhaust lines and the heater while it is operating.



Risk of fire and explosion

- The heater is not designed for installation and use on any type of ADR transportation vehicle.
- When refuelling heater must be shutdown. Note: shutdown process can take up to 10 minutes.
- The vehicle where the heater is installed must be equipped with a fire extinguisher.
- Do not cover the heater with clothing, pieces of fabric and so on, and do not place such objects in front of the air intake pipe or inlet and output of the heated air.
- Do not use or install the heater in places, where flammable vapours or gases or large amounts of dust may form and accumulate.
- Do not use or install the heater in places, where flammable and/or explosive items or substances are stored.
- Avoid contact of any flammable objects with the heater's exhaust pipe.



Risk of damage due electrical nature

- Do not connect/disconnect any wiring of the heater while it is connected to the power supply or operating.
- Do not connect the heater to the power circuit of the vessel, when the engine is operating and there is no battery.
- The heater can be switched on again 15-20 seconds after disabling indications on the control panel, which means that the heater has shut down.
- Length of the control panels wiring cannot exceed 15 meters.



Personnel certified by AUTOTERM is needed

- In case of faults in the operation of the heater, contact specialized repair organizations authorized by AUTOTERM.

LIABILITY



Manufacturer is not liable for any damage as a result of installation and repairs by uncertified personnel and/or use of third-party parts and accessories without the approval of manufacturer.

In case of any problems, we strongly recommend to contact certified service centres. Contact information and location of certified service centres can be found at our website www.autoterm.com.

1. GENERAL INFORMATION



1. DISPLAY 3. BACK BUTTON 5. LED INDICATORS
2. ROTARY KNOB 4. QUICK BUTTON

1.1. DISPLAY



- While in sleep mode:
 - display is inactive;
 - screensaver shows:
 - temperature;
 - current time and date;
 - symbol of set operation mode, if active.

Control panel goes in to sleep mode after the time of inactivity set in display settings.



Sleep mode is cancelled by pressing the knob or the back button.



- While active display shows:
 - current time;
 - power supply voltage;
 - temperature;
 - set operation mode, if active;
 - active timers.

To access the main screen control panel has to be woken from sleep mode.



For air heaters temperature displayed depends on the temperature sensor selected. For liquid heaters temperature of the coolant is displayed.



Description of each symbol and screen layouts can be found in their respective sections of the manual.

When an operation mode is active, respective symbol is displayed on the main screen (under the current time) and it works as a quick menu. By rotating the knob three options can be accessed:



- Active operation mode settings



- Shut off the heater



- Access the main menu

Confirm selection by pressing the knob.

1.2. ROTARY KNOB

The rotary knob is the main button for navigation through the interface.

- When control panel is active pressing the knob enters the main menu. After that pressing the knob confirms selected item or setting.
- Turning right selects next item or increases value of selected setting.
- Turning left selects previous item or decreases value of selected setting.
- While control panel is in sleep mode, turning the knob to either side allows to change the set temperature/power level of the active mode. Changes are applied without confirmation.

1.3. BACK BUTTON

Back button is used to return to the previous screen by pressing it once.

1.4. QUICK BUTTON

Quick button can be used to start or stop the heater without entering the main menu or quickly enabling or disabling timers.

- While heater is off, pressing the button once opens the "Heating" menu.
- While the heater is off, long-pressing the button for 2 seconds starts the heater with previous settings (Display message: "Starting...").
- While the heater is operating, long-pressing the button for 2 seconds switches off the heater (Display message: "Switching off...").
- While the heater is operating (and in sleep mode), pressing the button once opens the settings of the active operation mode. Changes are applied after confirmation.
- In the menu "Timers" pressing the button once enables/disables the selected timer (for this action timer has to be set beforehand).

1.5. LED INDICATORS

LED indicators are used to indicate the operating mode or status of the heater:

- RED – heater is working in heating mode;
- BLUE – heater is working in ventilation mode;
- GREEN – heater is switching off (purge mode);
- RED (blinking combined with display message) – an error has occurred;
- LIGHT GREEN (one blink every 5 seconds) – a timer has been enabled.

2. MOUNTING AND CONNECTION

Control panel can be mounted using screws or double-sided adhesive tape.

For mounting with screws, gently remove the back panel using a thin flat screwdriver, by prying it from the middle of one of the sides. Then screw the back panel to your desired surface.

For mounting with double-sided adhesive tape, before installation degrease the back of the control panel and the desired surface.

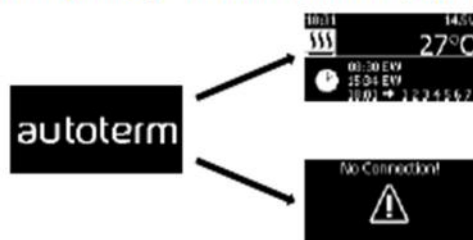



 To increase the length of control panels wiring, use only designated extension wirings.

When connected to the power supply control panel turns on automatically.

When turned on LED indicators light up, while showing AUTOTERM logos on the display.

Connection process takes approx. up to 20 seconds. If connection is established display shows main screen. If connection fails message "No connection!" is displayed.







 After disconnecting the control panel from the power supply time and date must be reset. Rest of the settings, such as set timers, remain saved.

3. OPERATION AND SETTINGS

3.1. MAIN MENU

Main menu can be accessed from main screen by pressing the rotary knob once. Navigate through the menu by turning the knob. To enter the selected menu, press the knob once.

TIMERS		Is used to set and enable/disable up to 3 timers.
HEATING		Is used to set different heating modes, depending on the connected heater.
VENTILATION		Is used to set ventilation mode <i>(except for AIR 8D and liquid heaters)</i> .
SETTINGS		Is used to change general settings of the control panel and heater.

3.2. TIMERS


In "Timers" menu up to 3 timers can be set to start the heater at specific time in desired mode for desired duration.

To set timers select the "Timers" menu from the main menu by pressing the knob once.

Choose one of three timers by rotating the knob and pressing the knob once to confirm the selected timer.

Default values of the timers are: 0:00 – ED – Heating.



Quick button () can be used to enable/disable previously set timers.

After selecting a timer, choose to enable or adjust the timer by rotating the knob and pressing the knob once to confirm one of the options.



Editing the timer

Set the time of day for heater to start:	<div>Start Time</div> <div>01 : 20</div>	
Set working duration of the heater. Duration can be set from 30min to 720min* with increasing step of 5min. <i>*up to 120min for liquid heaters</i>	<div>Set duration</div> <div>45 min</div>	
Set days for heater to start, where:	<div>Select days</div> <div>ED</div> <div>Every day</div>	
• ED (Every Day) – heater starts every day of the week; • EW (Every Workday) – heater starts every day from Monday to Friday; • SEL (Select specific day) – heater starts only on specified days, where:	<div>Select days</div> <div>EW</div> <div>Every work day</div>	<div>Select days</div> <div>SEL</div> <div>Select specific day</div>
1 – Monday 3 – Wednesday 5 – Friday 7 – Sunday 2 – Tuesday 4 – Thursday 6 – Saturday	<div>Select days</div> <div>1 2 3 4 5 6 7</div> <div>+</div> <div>None</div>	
Set the operation mode for air heaters:	<div>Select mode</div> <div>Heat</div> <div>Heat + Ventilation mode</div> <div>Ventilation mode</div>	
Set the operation mode for liquid heaters:	<div>Select mode</div> <div>Pre-heating</div> <div>ECO mode (only for FLOW 14D)</div>	

When all the parameters are set message "Saved" is shown on the display and the timer is enabled automatically. Enabled timers can be seen on the bottom part of the main screen. LED indicators will blink light green once every 5sec when timer is enabled.



3.3. HEATING

In "Heating" menu different operation modes for heating can be set, depending on the connected heater.

To set heater modes select the "Heating" menu from the main menu by pressing the knob once and then select one of the heating modes:






- Temperature can be set in a range of 0°C up to 30°C, with step of 1°C.
- Work time can be set by turning the knob in either direction, in a range of 30 min up to infinity (or vice versa) by a step of:
 - 5min up to 2h;
 - 20min up to 12h;
 - after 12h next step is ∞.
- It is impossible to switch to any of heating modes while heater is operating in ventilation mode!




Heating modes for air heaters:

TEMPERATURE MODE	–	Heater will maintain set temperature by reducing the heating power, without shutting off the combustion process.
POWER MODE	–	Heater will operate constantly at set power level.
HEAT + VENTILATION	–	Heater will operate till the temperature is reached 1°C above the set temperature, shut off the combustion process and start to ventilate till the temperature drops 5°C below the set temperature. When temperature drops, heating starts again.
THERMOSTAT MODE	–	Heater will operate till the specified temperature is reached then shuts off the combustion process and ventilation. After the temperature drops by specified degrees heating will start again.




Setting Temperature mode

Select "Temperature mode" from the menu.	
Set temperature and confirm. Set work time and confirm.	
When mode is active, respective symbol is shown on the main screen	




Setting Power mode

Select "Power mode" from the menu.	
Set power level and confirm. Set work time and confirm.	
When mode is active, respective symbol is shown on the main screen	

Setting Heat + Ventilation mode

Select "Heat + Ventilation" from the menu.	
Set temperature and confirm. Set work time and confirm.	
When mode is active, respective symbol is shown on the main screen.	

Setting Thermostat mode







Select "Thermostat mode" from the menu.	
Set temperature and confirm. Set work time and confirm.	
When mode is active, respective symbol is shown on the main screen.	

Default value for MAX temperature rise is 1°C and MIN temperature drop is 2°C. These settings can be changed in "Settings -> Heater -> Advanced -> Thermostat".

Heating modes for liquid heaters:

PRE-HEATING MODE	– Heater will operate till the certain coolant temperature is reached then shuts off the combustion process. After the temperature of the coolant drops heating will start again.
ECO MODE (only for FLOW 14D)	– Pre-heating mode with reduced power and fuel consumption. Temperature of the coolant is reached slower than in "Pre-heating mode."
THERMOSTAT MODE (only for Flow 5)	– Heater will operate till the specified interior temperature is reached then shuts off the combustion process. After the temperature drops by specified degrees heating will start again. Temperature is read by control panel. <i>*for setting up "Thermostat mode" see instructions for AIR heaters.</i>
<p>i Default settings of the coolant temperature is 88°C for Flow 5 and 80°C for Flow 14D. Default value for Flow 14D cannot be changed.</p> <p>Temperature drop of the coolant is 18°C for Flow 5 and 20°C for Flow 14D.</p>	

Setting Pre-heating or ECO mode

Select "Pre-heating" or "ECO" from the menu.		
Set work time and confirm.		
When mode is active, respective symbol is shown on the main screen		

3.4. VENTILATION

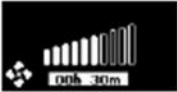

In "Ventilation" menu, heater can be set to ventilate air without the combustion process. Ventilation can be set at desired power level and duration.

To set ventilation mode select the "Ventilation" menu from the main menu by pressing the knob once.



- i** Work time can be set by turning the knob in either direction, in a range of 30 min up to infinity (or vice versa) by a step of:
 - 5min up to 2h;
 - 20min up to 12h;
 - after 12h next step is ∞.
- i** AUTOTERM FLOW liquid heaters and AUTOTERM AIR 8D air heater does not support ventilation mode!
- i** It is impossible to switch to ventilation mode while heater is operating in one of the heating modes!

Setting Ventilation mode

Set power level and confirm. Set work time and confirm.	
When mode is active, respective symbol is shown on the main screen	

4. SETTINGS

In the "Settings" menu general settings for control panel and advanced settings for the heater can be changed. Available settings are displayed depending on the connected heater.

To enter the "Settings" menu select it from the main menu by pressing the knob once and select one of the options.



Turn the knob to change value, press the knob to confirm set value.

4.1. TIME/DATE

- Set the current time and date.

4.2. DISPLAY


- LANGUAGE – change the display language of the control panel.
- UNITS – Change displayed format of units. Metric (24h time format, °C) or Imperial (12h time format, °F).
- BRIGHTNESS – change the brightness level of the display.
- SLEEP MODE – change the time after which control panel goes to sleep mode. Enable/Disable screen saver.

4.3. HEATER (for air heaters)


- TEMP. SENSOR – change the temperature sensor by which the temperature is read:
 - BY PANEL – temp. sensor built in the control panel;
 - BY HEATER – temp. sensor built in the heater;
 - EXTERNAL – externally connected temp. sensor (sold separately). This option is visible only when external temp. sensor is connected.




Temperature sensor cannot be changed while heater is operating in "Power mode" or "Thermostat mode".

• ADVANCED	– change advanced settings of the heater:
○ SHUTDOWN VOLTAGE	– set voltage and time for battery protection. If the actual voltage of the power supply is lower than the set voltage for the set duration, heater shuts down and operation modes cannot be activated.
○ THERMOSTAT	– change default values for temperature rise and drop for thermostat mode. MAX from 1°C to 3°C, MIN from 1°C to 7°C;
○ INFO	– displays information about serial numbers and software versions: <ul style="list-style-type: none"> ▪ Heater serial number (s/n) ▪ Heater software version (s/w) ▪ Total heater operating hours (w/t) ▪ Control panel serial number (s/n) ▪ Control panel software version (f/w)
 The “INFO” section cannot be accessed while heater is operating.	

4.4. PRE-HEATER (for liquid heaters)

 Settings menu “Pre-heater” is disabled when Flow 5 is operating. For Flow 14D in “Advanced” settings only “Info” and “Shutdown voltage” options are available.	
• INFO	– displays the same information as for air heaters.
• AUXILIARY	– set and enable/disable auxiliary mode. When auxiliary mode is enabled, pre-heater starts when engine starts and maintains set temperature of the coolant. Temperature range for auxiliary mode is 75°C to 95°C.
• TEMPERATURE	– set default temperature for coolant in heating mode. Temperature range is 20°C to 95°C.
• ADVANCED	– change advanced settings of the pre-heater:
○ THERMOSTAT	– enable/disable and configure thermostat mode;
▪ CIRCULATION	– when heating in thermostat mode, coolant pump will always continue to circulate the coolant, even when heater is switched off.
▪ HYSTERESIS	– change default values for temperature rise and drop for thermostat mode. MAX from 1°C to 3°C, MIN from 1°C to 7°C.
○ START PUMP	– starts coolant pump for the purpose to bleed the system after installation. Pump is working while message “Pump enabled” is displayed. Pressing the back button, switches the pump off.
○ SHUTDOWN VOLTAGE	– set voltage and time for battery protection (same as for air heaters).

○ FAN	– set and enable/disable activation of the interior fan. Set coolant temperature at which interior fan of the vehicle will activate. Temperature can be set in range of 30°C to 60°C. Default value is 40°C.
<div>  <p>To activate the “Fan” function, after enabling it, heater must be disconnected and reconnected from the power supply. Additional relay set is required for this option to work. Contact Your local dealer.</p> </div>	
○ EXTERNAL START	– enable/disable external start. For this function to work grey and black wires of the control unit must be connected to the alarm system of the vehicle. See installation manual of the heater.
○ COOLANT PUMP	– enable/disable operation modes of the coolant pump:
▪ WAIT MODE	– When enabled, coolant pump will continue to operate after the heater in pre-heating mode has reached the set temperature and stops the heating process. If disabled, heater coolant pump will stop the circulation when heater stops the heating.
▪ WITH ENGINE	– When enabled, coolant pump starts when the engine of the vehicle starts. This option improves the circulation of the coolant.
○ PUMP TYPE	– select the type of the coolant pump depending on the coolant pump in use:
▪ BOSCH	– Pump operates using PWM signal.
▪ ADVERS	– Pump operates using DC.

4.5. LED

- Turn on or off the LED indicators.

4.6. RESET

- Reset the control panel to factory settings.

5. ERRORS AND MAINTANACE

In case of an error LED indicators blinks red once every 5 seconds and an error message is displayed depending on the fault and the heater connected.

Full discriptions of the fault codes can be found in the respective manual of the heater.



Maintenance and repair of the heater should only be performed by personnel trained and qualified by AUTOTERM.

ERROR MESSAGE	FAULT CODE BY HEATER		
	AIR HEATERS	FLOW 5	FLOW 14D
Air Ducting or Outlet!	1;2	-	
Service!	4; 5; 6; 9; 10; 13; 16; 27; 28		
	7; 11; 29; 32; 34; 36; 37	3; 24; 25; 26;	3
Overvoltage!	12		
Undervoltage!	15		
Low voltage!	35	-	
Fuel pump!	17	17; 22	17
No connection!	20; 30	20; 30; 50	20
Overheating!	31	1	1; 2
Heater Locked!	33	37	-
Check fuel system!	8; 78	29; 78	
Coolant pump/circuit!	-	14	

REMINDER!



To ensure reliable operation of the heater, it is required to start it once in 30 days on max heating power for 30 minutes including the warm seasons of the year, when heater is out of operation.



This action is necessary to remove any viscous film sediments on moving parts of the fuel pump. Failure to do so may lead to premature failure of the heater.

That is why AUTOTERM Comfort Control has a built-in reminder to start the heater for 30 minutes, if it has been out of operation for at least 30 days. After 30 days of inactivity since the last start red LED indicators blinks once every 5 seconds and message is displayed.

Accept the start by pressing the knob once. Decline the start by pressing the "Back" button once. In case of a decline, this message is repeated if the heater hasn't been launched in any of the heating modes.





The heater blower outlet is located under the rear seat. Please note that this **outlet must never be covered** and also do not store anything in front of it as it gets **very hot**. This is very important.

It is ok to use the heater with the rock n roll bed in the flat position but again please ensure that there is nothing blocking or in front of the outlet.

When using the diesel heater please note that the heater will cut out if the fuel in the vehicles tank is low – this is a safety feature so that the vehicle fuel tank is never fully drained and will leave enough fuel to enable the vehicle to be driven and refuelled.

The diesel heater has an external exhaust under the vehicle. If using an attached awning please ensure the wind is not blowing any exhaust gas directly in to the awning.

Storage

The vehicle has several storage compartments.



Rear under seat compartment. Pull the door down – the hinges are spring loaded so please be careful when lowering the door.



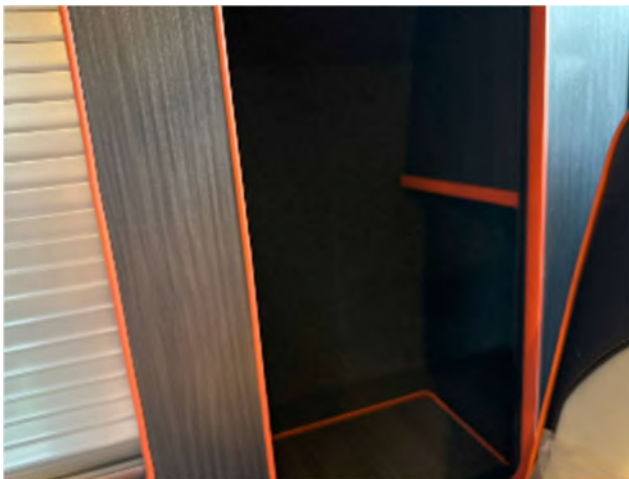
Under sink storage. Slide the tambour door to the side. Please remember you will need access to remove and replace the water tank.



There are two overhead storage compartments located above the sink / hob area. The doors lift upwards and the hinges are spring loaded so please be careful when opening and closing.



There is a large storage compartment next to the sink area – this is opened by lifting up the tambour door to full height – the door will not stay open part way, it must be fully opened. This compartment generally houses the cooking and dining equipment. Please be careful when closing the door not to drop down the sliding door – please lower carefully.



There is a second large tambour storage cupboard towards the back of the vehicle. This can be used for storing your clothes and personal belongings. The door operates in the same fashion as the adjacent storage unit described above.

Fridge



To open the fridge door, lift up the handle located at the top – grip the handle to the right hand side of the fridge.



To open the fridge, make sure the vent swivel button is turned to the right. Leave in this position at all times. The door is sometimes a little stiff but will open with a firm grip.



To turn the fridge on, press and hold the power button shown above. To turn the fridge off, press and hold the same button until all the lights go off. The fridge can be operated without the leisure battery switched on so you can cool food and drinks while driving to your destination.

Once the fridge is turned on it will stay on continuously unless turned off regardless of the power settings or connection to an electric hookup.

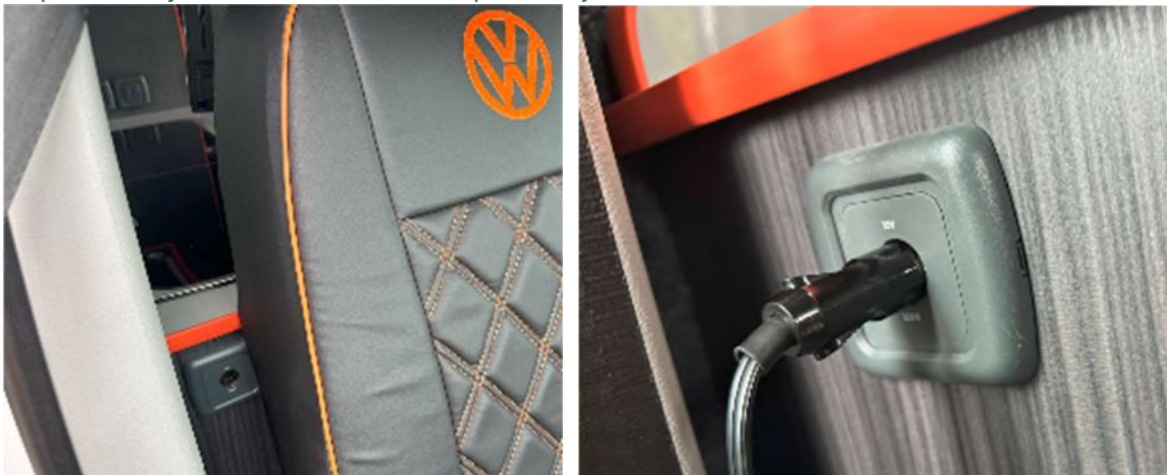
TV / DVD

If you have hired the optional TV /DVD this will already be mounted in the vehicle to the rear of the driver's headrest.



The adjustable TV bracket can be adjusted and the TV moved by following the instructions in the following video:

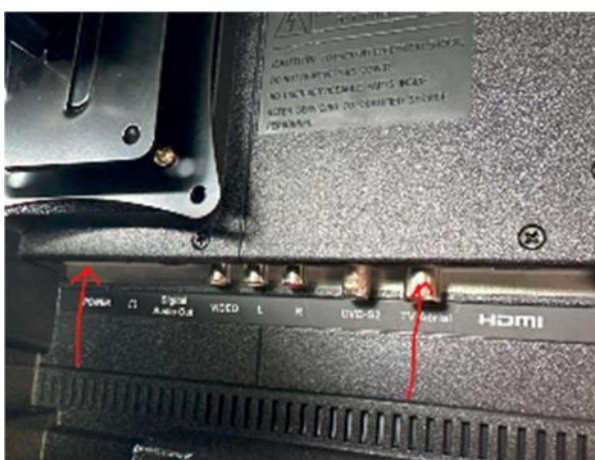
<https://www.youtube.com/watch?v=qh-C9UzljSA&t=23s>



The TV requires the power lead to be fitted. The 12v power socket for the TV is located in the end panel of the sink unit on the end behind the driver's seat.



The aerial has a magnetic base and can be located inside of the vehicle.

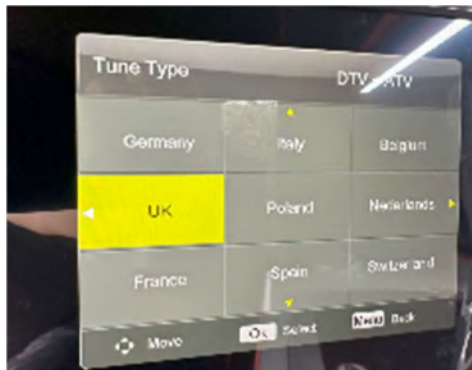


Plug the power lead in to the 12v socket and then into the underside of the TV as shown below. Plug the aerial in to the “TV aerial”.



Press the “power” button on the remote to turn the TV on.

Press “menu” and scroll to “auto tuning” and press “ok”



Highlight “UK” using the arrow keys around the “ok” button, press “ok”.



The TV will not auto tune and find available channels in the area. The number of channels will depend entirely on where the vehicle is located.



The TV has a built in DVD player located on the side – insert the disc with the label side aligned as shown on the above photo.



Use the “eject” button on top of the TV as shown in the above photo to remove discs.

Drive Away Inflatable Awning



If you have hired the optional drive away inflatable awning this will be located within the vehicle in the storage back. There will also be a separate bag for the three ground sheets and the kador rail attachment for the drive away connection to the vehicle.

The following is a very helpful YouTube video in real time showing how to erect and dismantle the awning.

<https://www.youtube.com/watch?v=bbcPm5tjJ4&t=569s>



If you are securing the awning on to a hardstanding please use the rock pegs and hammer which will be stowed within the vehicle.