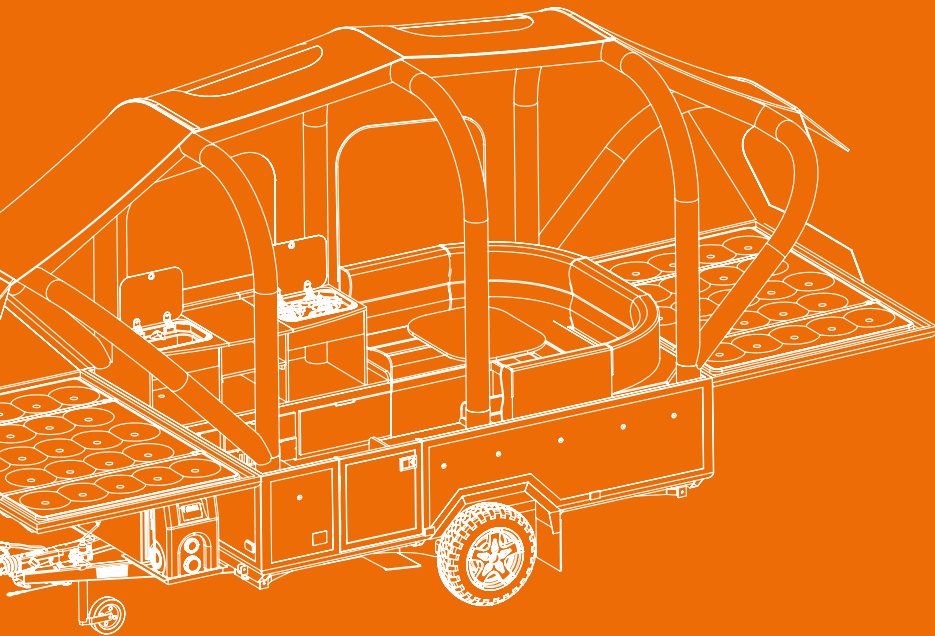




# OWNER'S HANDBOOK

Model No. OFC195CAIR



# WELCOME.

Congratulations on the purchase of your new OPUS® Camper. You've got years of unforgettable experiences ahead of you. First let's get you acquainted with your new folding camper.

## Information notices

Throughout this manual you will see sections highlighted in two different colours along with icons.

### INFORMATION

This indicates important information relating to safety, please make sure you read carefully.

### INFORMATION

This indicates important information which will help you keep your OPUS® Camper in the best condition possible.



This indicates that an accompanying video is available. Interacting with this icon will take you to Youtube.



Please observe the requirements for correct usage, storage and 'weathering' before first use. Practice the set-up at your leisure and prepare thoroughly ahead of your first trip.

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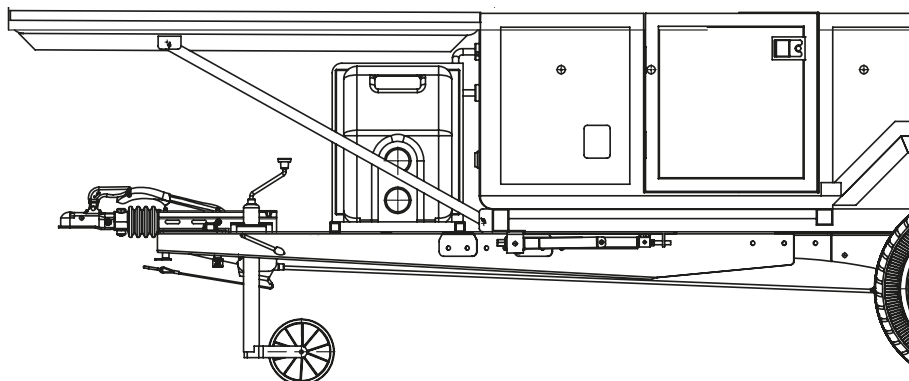
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# VEHICLE ID NUMBER (VIN).

## YOUR VIN

Every OPUS® has a Vehicle Identification Number (VIN). The VIN Plate can be found on the exterior of your OPUS® to the left of the door. We recommend making a note of your VIN in the template below. This will be required by insurance companies.



**OPUS®**

**PURPLE LINE LTD**

**e5\*2007/46\*0119\*02**

**SJF0195C2PPW15120**

**1050 KG**

**0 - 75 KG**

**1 - 975 KG**

Purple Line Ltd.  
Peninsula Business Centre,  
Wherstead, Suffolk, IP9 2BB,  
United Kingdom

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Purple Line GmbH,  
Jägerhofstraße 29,  
40479 Düsseldorf,  
Germany

\*Maximum Technical Permissible Laden Mass.

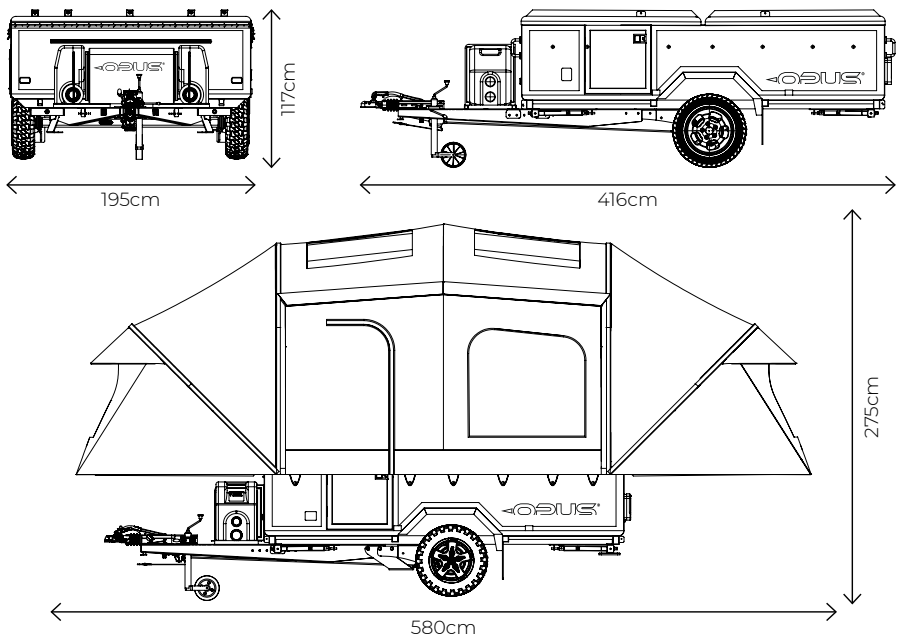
# SPECIFICATIONS.

## DIMENSIONS

Overall Length (closed) inc. drawbar	416cm
Overall Width	195cm
Internal Length (main body section)	283cm
Internal Width (main body section)	188cm
Towing Height	117cm
Wheels (standard)	185/70 R13
Overall Length (erected)	580cm
Overall Height (erected)	275cm
Interior Height (max)	244cm
Bed Size 1	190 x 140cm
Bed Size 2	190 x 140cm
Additional Bed (lounge area)	188 x 122cm
Sun Canopy Width (optional)	Approx. TBC cm
Sun Canopy Depth (optional)	Approx. TBC cm
Full Awning Width (optional)	710cm
Full Awning Depth (optional)	240cm

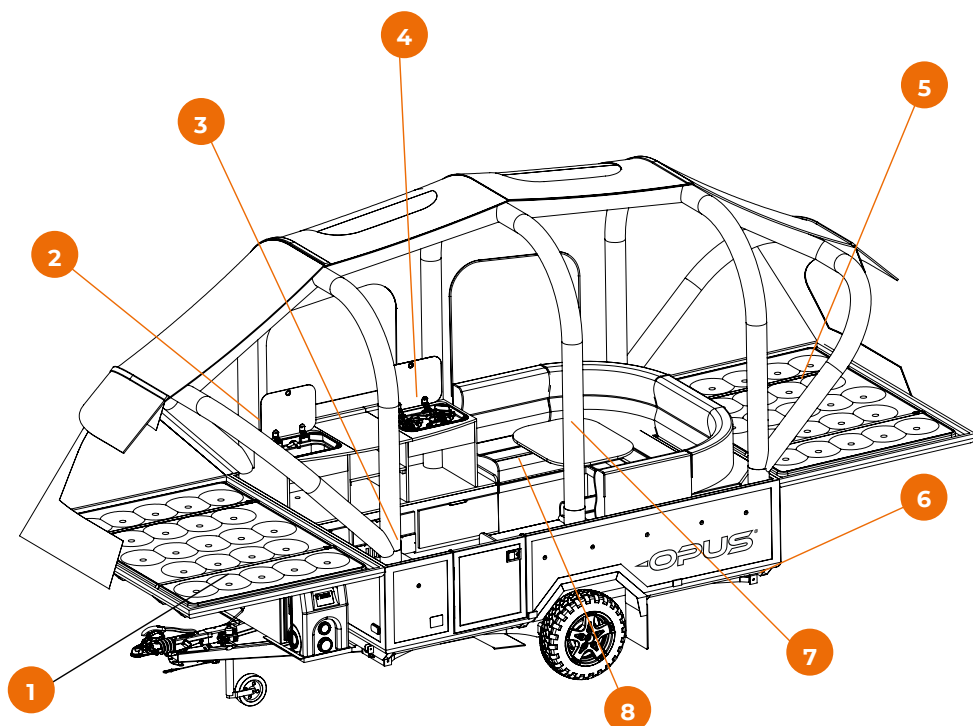
## WEIGHTS

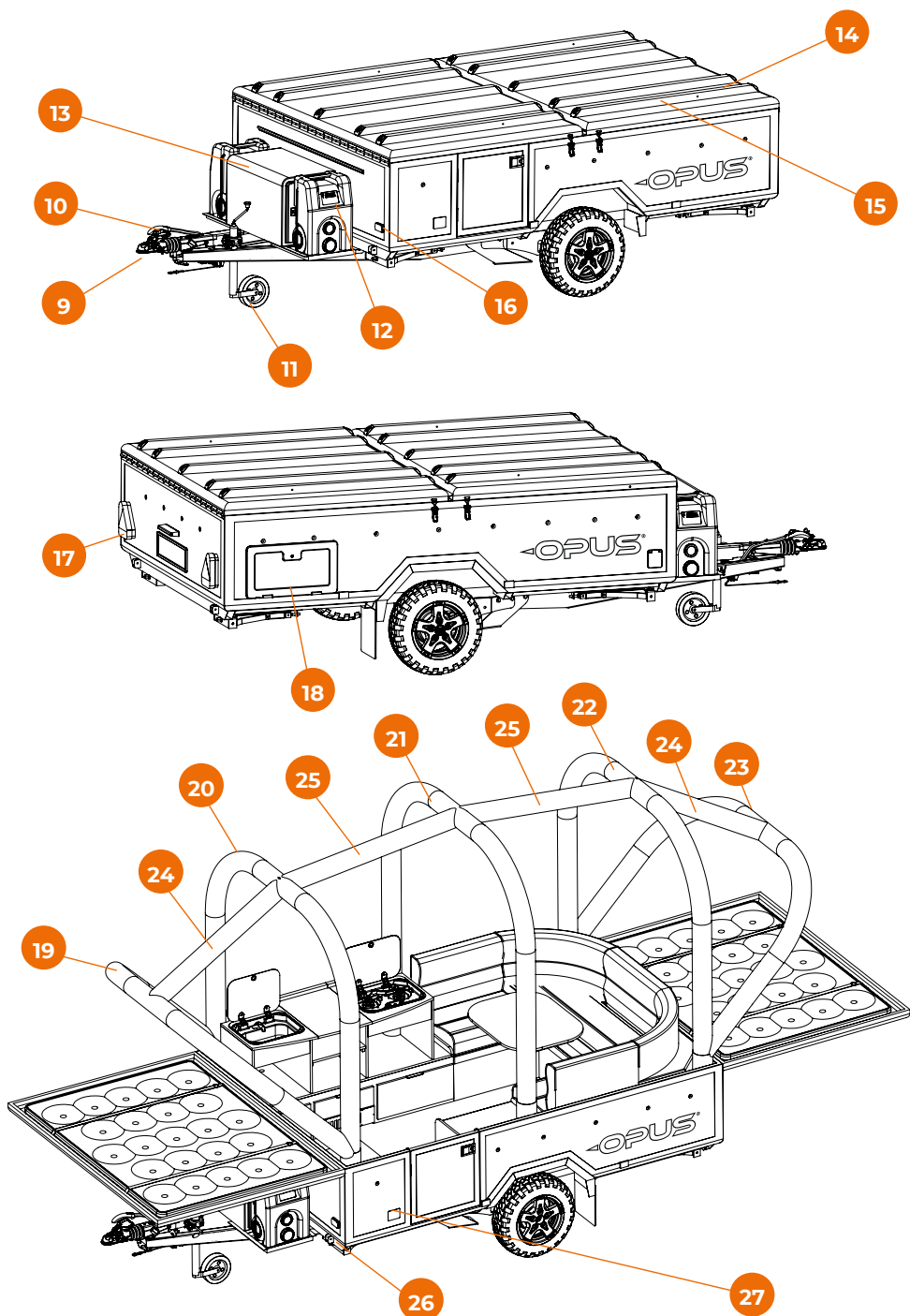
MIRO (mass in running order)	840kg
MTPLM (maximum technical permissible laden mass)	Refer to VIN plate
MTPLM - 840kg = User Payload	



# PARTS REFERENCE.

- |                                       |   |
|---------------------------------------|---|
| 1. <b>Bed Tray 1</b>                  | 14. <b>Roof Bar Fitment Rails</b>                                 |
| 2. <b>Sink Unit</b>                   | 15. <b>Upper Bed Support Brackets</b>                             |
| 3. <b>Fan Heater (230v)</b>           | 16. <b>Front Market Lights</b>                                    |
| 4. <b>Gas Hob Unit</b>                | 17. <b>Rear Light Clusters</b>                                    |
| 5. <b>Bed Tray 2</b>                  | 18. <b>Battery Storage Locker &amp; Mains Electricity Hook-Up</b> |
| 6. <b>Bed Tray Support Legs</b>       | 19. <b>Air tube bladder 1</b>                                     |
| 7. <b>Table</b>                       | 20. <b>Air tube bladder 2</b>                                     |
| 8. <b>Top Opening Fridge position</b> | 21. <b>Air tube bladder 3</b>                                     |
| 9. <b>Hitch Coupling</b>              | 22. <b>Air tube bladder 4</b>                                     |
| 10. <b>Handbrake</b>                  | 23. <b>Air tube bladder 5</b>                                     |
| 11. <b>Jockey Wheel</b>               | 24. <b>Air tube side roof bladders</b>                            |
| 12. <b>Water/Waste Carriers</b>       | 25. <b>Air tube middle roof bladders</b>                          |
| 13. <b>Gas Locker</b>                 | 26. <b>Bed Tray Support Leg Storage</b>                           |
|                                       | 27. <b>Vehicle Identification Number Plate</b>                    |







## COUPLING

The OPUS® comes as standard with a pressed steel locking coupling suitable for all standard 50mm



STANDARD LOCKING COUPLING



KS30 STABILISER COUPLING

**If your OPUS® Camper has the optional stabilising hitch coupling then your tow vehicle should be fitted with either an extended neck flange tow ball or any form of detachable 'swan-neck' tow ball would be suitable.**



OPTIONAL HITCH LOCK

If you have a locking coupling it must be unlocked in transit to enable hitching and unhitching of the Camper.

The [Full Stop Saracen Hitch Lock](#) (optional extra) will provide additional security to your Camper and the Knott stabilising hitch lock for use with the KS30.

The OPUS® is fitted with a 13-pin plug that connects all the exterior trailer lighting as well as the connections that enable the leisure battery of the OPUS® to be charged by your vehicle whilst in transit. This connection also allows the fridge (optional extra) to operate a cooling function whilst towing using the 12v socket in the cupboard directly underneath the fridge, which is wired directly to the 13-pin plug, bypassing the Camper's 12v electrical circuit.

A standard black 7-pin socket on your tow vehicle will be suitable to operate the essential running lights by using an adapter (not supplied) that converts the 13-pin plug into a 7-pin type.

## PLUG



13-PIN PLUG



However to utilise the features of the 13-pin plug then your vehicle should be fitted with 'twin' electrics. These comprise of a black 7-pin and a grey 7-pin socket; an adapter will be required that connects the 13-pin plug of the OPUS® to the twin sockets on your vehicle. Of course, your vehicle may already have one single 13-pin socket that does not require any form of adapter and is the ideal method of connection.



SOCKET ADAPTER

## HITCHING

1. When hitching the OPUS® Camper to your vehicles tow ball you must ensure that someone is close to the handbrake in order to maintain control of the trailer, particularly when manoeuvring on a slope.

**If you have a locking coupling the coupling will need to be unlocked and the security ball removed (not provided) to perform the step above.**

2. Steadily guide the coupling of the OPUS® to the vehicles tow ball. If necessary, raise the front of the OPUS® so that the coupling is higher than the tow ball by turning the handle on the jockey wheel.



COUPLING POSITION

**Please refer to the separate Knott guide to the jockey wheel fitted to your OPUS® for safe and correct usage.**

**The frame of the Camper is designed to aid pushing/handling of the trailer comfortably. The grab handles (optional) may be used to aid manoeuvring but MUST NEVER be used to pull the full weight of the Camper.**

3. Position the coupling over the tow ball and lower it by turning the jockey wheel handle and, at the same time lifting the coupling handle up. When fully engaged onto the ball you will be able to release the coupling handle.

**If your trailer is fitted with a stabiliser coupling ensure the handle is engaged into the correct position to use the stabilising feature. The tow ball may also need to be inspected to ensure the stabiliser pad has an adequate grip on the tow ball.**

Full instructions on the Knott KS30 stabilising coupling are supplied in a separate manual; please reference the correct and safe use and retain for future reference.

4. Fit the breakaway cable around the neck of the tow ball or through a suitable aperture on the tow bar itself. Ensure it doesn't foul on the coupling or any other nearby objects such as the trailer lighting cable.
5. Raise the jockey wheel by turning the handle on the top until the wheel engages into the cut grooves on either side of the tube and make sure the wheel is fully tightened. Failure to do this may cause the wheel to retract in transit.
6. Loosen the jockey wheel clamp by turning the handle anti-clockwise and pull the jockey wheel up to provide the maximum ground clearance ensuring the wheel is pointing towards the rear of the OPUS®. Tighten the jockey wheel clamp.

7. Connect the 13-pin plug into the socket (using adapter your if required) on your tow vehicle.
8. Release the handbrake if still engaged.



*LIFT THE COUPLING HANDLE*



*RAISE THE JOCKEY WHEEL*

9. Before any journey you must check that all the trailer lights are functioning correctly.

Check front marker, side, brake, reverse and warning lights as well as both directional indicators.

## **UNHITCHING**

Engage the handbrake. Release and secure the jockey wheel and tube to a lower position, wind the jockey wheel down until it touches the floor and starts to support the weight of the Camper. Some weight relief on the tow ball will be observed. The handle of the coupling can be lifted to release the coupling from the tow ball. Continue to wind the jockey wheel until the coupling is clear of the tow ball. Then disconnect the 13-pin plug and the breakaway cable.

When you are ready disengage the handbrake; the trailer can now be manoeuvred separately from the tow vehicle.

## **LOAD CARRYING**

It is the responsibility of the driver of the tow vehicle to ensure that any loads, such as bicycles, roof boxes, kayaks, etc. are suitably secure prior to transit.

The Maximum Technically Permissible Laden Mass (MTPLM) must not be exceeded under any circumstances.

## **SENSIBLE LOADING**

Items loaded onto the top of the OPUS® should be mounted so that the heaviest items are towards the front of the Camper.

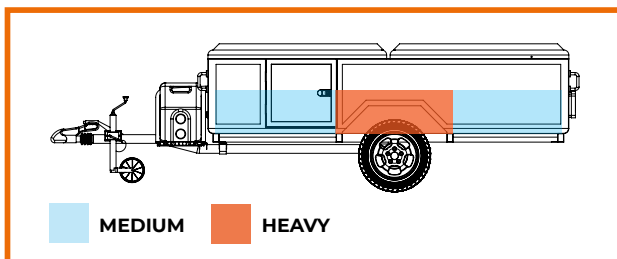
The OPUS® will accept suitable/recommended roof bars that are designed to fit onto

longitudinal roof rails. Ensure that any roof bar is securely fitted onto the square aluminium ribs on top of the Camper. The lip of the roof bar foot must be located underneath the channel and then securely clamped onto the square roof ribs.

If only one set of roof bars are installed then the load should be situated on the front bed tray lid, where possible. If a roof box is fitted it should be mounted on the rear bed tray lid so that it can remain in position when the camper is opened out. Ensure that



*ROOF BAR FITTING*



*SENSIBLE LOADING*

the weight and balance of the trailer loading is maintained when using a roof box on the rear of the trailer to avoid adverse effect on the handling of the trailer. Always ensure you do not exceed the maximum loading capacity of any carrier, roof box or the roof bars. Further information can be found in the [Roof Load Carrying](#) section.

## TOWING

The driver of the tow vehicle must ensure that their Driving Licence is valid for towing the OPUS® Camper. Please refer to the following website address for reference: [www.gov.uk/towing-with-car](http://www.gov.uk/towing-with-car)

It is highly recommended, particularly if you are not experienced in towing that you adhere to any applicable laws for the country in which you are driving. Many guides are available from leading associations and should be studied before you embark:



**The Camping and Caravanning Club**  
[www.campingandcaravanningclub.co.uk](http://www.campingandcaravanningclub.co.uk)  
0845 130 7631



**National Trailer & Towing Association**  
[www.ntta.co.uk](http://www.ntta.co.uk)  
01909 512555



**The AA**  
[www.theaa.com](http://www.theaa.com)



## INITIAL STEPS

**PLEASE ENSURE YOUR ALL-ROAD OPUS® HAS BEEN 'WEATHERED' BEFORE FIRST USE.**

**PLEASE REFER TO THE [WEATHERING SECTION](#) FOR DETAILS**

Try to choose a site that is relatively flat. Avoid sites where the land may flood or where water will run down. DO NOT pitch directly under trees. Pitching near a hedge or wall may provide shelter against wind. AVOID areas with heavy pollution and where crop spraying may be in progress.

1. Once you have your OPUS® in position then you must engage the handbrake.



**1.** ENGAGE HANDBRAKE



**2.1** WIND DOWN CORNER



**2.2** CORNER STEADY DOWN

**DO NOT ENTER THE OPUS® UNTIL THE CORNER STEADIES HAVE BEEN LOWERED INTO THE CORRECT POSITION**

2. Raise or lower the jockey wheel to level your OPUS® lengthways. Using the included corner steady winder (or cordless drill/driver with a 19mm hex socket attachment) wind down each corner steady leg until it touches the ground. Depending on the terrain, you may need to adjust each corner to level the OPUS® widthways. KoPads (corner steady feet) are available as an accessory that clip onto the base of each corner steady to spread the load of the leg and enable a sure footing, reducing the risk of sinking into softer ground.



**3** REMOVE THE D-PIN TO RELEASE LEG



**3.1** SECURE BASE OF LEG WITH D-PIN



**3.2** REST BED LEGS ON THE GROUND

3. Once satisfied that the OPUS® is stable and level, you need to fit the four bed tray support legs. The legs are interchangeable and any leg can be fitted to any of the brackets. The legs are stored in each corner within the frame and are accessible by unclipping the D-pin clip and sliding them out. Each leg has a retained pull pin on one end; the end without the pull pin should be inserted into the lower bracket on the frame of the Camper. The D-pin is then used to secure the leg onto the clip. Insert the pin through the bracket and leg holes and secure it with the clip. For the moment the other end of the bed leg can rest on the ground. Repeat this procedure for the three remaining legs.
4. If applicable unstrap your water and waste carriers and place them beneath the trailer near their respective outlets. Also, access the gas locker and turn on the gas bottle if applicable.



**UNSTRAP WATER & WASTE CARRIERS**



**POSITION CARRIERS**



**TURN ON THE GAS**



**RELEASE THE CLAMPS**



**OPEN ALL FOUR CLAMPS**

5. Release the four clamps that secure the lids of the OPUS®.
6. Open the front lid through 180°, gas struts are fitted to aid the process and support the weight of the lid at this stage.



**OPEN FRONT LID**



**OPEN REAR LID**



**EXTERNAL TENT INSPECTION**

7. Open the rear lid through 180°.
8. At this stage walk around the OPUS® and inspect the tent to ensure that the canvas is properly located within the aluminium channels and that no part of the tent is caught or snagged.
9. Lift up the ends of each bed support leg into the corresponding bracket on the now unfolded lids, line up the holes and insert the pull pin. Ensure all pins are fully inserted. You may find it easier to move the lid during this process to aid aligning the holes



*SECURE TOP OF LEG WITH PULL PIN*



*INTERIOR PACKED DOWN*

**OPEN THE DOOR FULLY AND 'LOCK' IN TO THE PLASTIC RETAINING CLIP AGAINST THE TRAILER. DO NOT USE THE DOOR AS AN AID FOR ENTERING OR EXITING AS THIS COULD EVENTUALLY COMPROMISE THE DOOR SEAL.**

10. At this point, especially if this is your first time at opening the Camper please note how the interior has been packed away to enable the lids of the Camper to be closed ready for transit and storage. It may be useful for you to take a photograph of the packed down interior to help ensure you get the OPUS® packed down correctly and efficiently.



## TENT INFLATION

**PLEASE ENSURE THE AIR TENT DOOR AND WINDOWS ARE CLOSED BEFORE TENSIONING THE TENT.**

1. Open the ALL-ROAD OPUS® trailer door and locate the pump switch within the electrics panel.
2. Ensure the 12v system is turned on.
3. Ensure all the external AIR valves are closed to allow for inflation and ensure all internal valves are open.
4. The white valve in your OPUS® Tent is your master valve. This valve is located on the centre AIR beam, positioned behind the fridge. Insert flexible pump hose into the white valve until tight.



ELECTRICS PANEL



12V SWITCH



MASTER VALVE

5. Press the pump switch to begin inflation.
6. ALL-ROAD OPUS® inflatable tubes need 8psi of pressure to give a rigid support.
7. Your OPUS® tent is supplied with a built in electric pump with an attached hose (to attach to the white valve) which is pre-set to inflate to 8psi and stop automatically on completion .

**YOUR PUMP IS SET TO INFLATE ONLY. DO NOT TAMPER WITH THE PUMP AND DO NOT ATTEMPT TO USE THE PUMP TO DEFLATE YOUR ALL-ROAD OPUS®.**



PUMP SWITCH

8. Secure the tent canvas over the bed ends as the AIR tent inflates.
9. Once fully inflated to the correct pressure the pump will automatically cut out.
10. Release pump hose and replace white screw cap. (failure to do this will cause gradual deflation)



PLACE CANVAS OVER THE CORNERS

11. Remove the internal items of your OPUS and lay outside in a suitable area, in order to gain access to the inner bed tents, or facilitate the roof lining fitting or adjustment of roof windows or blinds.

12. Attach inner bed tents to internal fixings at both bed ends.

13. (If applicable) Install LED lighting into zipped PVC pockets on AIR tent roof beam, route cabling through AIR pole sleeving down to socket and connect. Once installed the LED lighting can stay fitted permanently, but it must be disconnected from the socket before pack down.

14. If you haven't [done so already](#) lift the gas hob unit and the sink unit onto the kitchen base platform to clear floor space.

15. If you haven't [done so already](#), the top-loading fridge can now be placed on top of the unit next to the door to clear floor space.

16. Walking around the Camper the elastic bungee that is within the tent can now be fitted over the corresponding button cleats. The tent should now be fully tensioned.

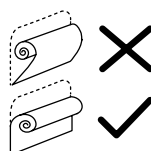


12. ATTACH INNER BED TENTS



15. FINAL TENSIONING

**PLEASE ENSURE THAT YOU ROLL ALL SIDE WINDOWS, ROOF WINDOWS AND DOORS SO THAT THE INTERIOR SIDE OF THE MATERIAL IS NOT EXPOSED  
I.E ROLL THE FABRIC INWARDS. YOUR FABRIC HAS A COATING ON THE INTERIOR WHICH MAY BE DAMAGED OR CHANGE COLOUR IF EXPOSED TO UV FOR A PERIOD OF TIME.**





## KITCHEN AREA

1. Position the hob unit onto the kitchen base unit so that the unit sits either side of the two clips built into the base platform. Secure the unit to the platform using the clips.
2. Position the sink unit onto the kitchen base unit so that the left hand side is against the front wall of the Camper; the cut-out corner of the unit should sit around the AIR column.
3. Locate the lower middle shelf onto the battens on the side of the sink and hob units; there are small metal studs protruding from the battens to secure this in place, a light pressure maybe required to properly sit the shelf onto the studs.
4. Fit the top middle shelf section of the kitchen worktop and secure it in the same manner using the studs.



*ALL-ROAD OPUS® COMPLETE KITCHEN.*

*CLIPS TO SECURE UNITS.*

5. Fit the waste water outlet hose (grey) underneath the sink unit into the waste water aperture on the kitchen base unit.



*WASTE PIPE FITTING*



*FRESH WATER FITTING*



*GAS FITTING / VALVE*

6. Pull up the fresh water feed pipe (green) from the base unit and connect to the fresh water hose underneath the sink unit. The connection is made with the aid of a male to male coupler which can be retained on either side of the connection depending on the side disconnected.
7. Feed the gas hose (orange) underneath the hob unit through the aperture in the top of the kitchen base unit.
8. Open the front locker door below the cooker unit and connect the gas hose into the gas coupling. This also serves as the on/off valve.
9. Turn the red gas tap at the connection through 90° to turn on the gas supply to the hob.

**FOR SAFETY REASONS THE GAS HOSE CANNOT BE DISCONNECTED FROM THE GAS VALVE WHILST THE GAS SUPPLY IS STILL TURNED ON.**

**For the initial use of the hob after connecting to the gas supply, it will take a few seconds for the gas flow to reach the gas hob burner.**



10.

MICROWAVE POSITION



11.

FRIDGE POSITION



12.

240v & 12v FOR FRIDGE

10. If applicable, slide the microwave oven underneath the gas hob unit and feed the power cable around the back of the unit to the power socket.

**PROLONGED USE OF THE MICROWAVE IS NOT RECOMMENDED DUE TO ITS ENVIRONMENT REACHING HIGH TEMPERATURES.**

11. If not already done so position the fridge on the base unit located between the door and the [club lounge](#).
12. A socket cover aperture is provided in order to feed the mains and 12v cables/plugs through into the base unit.
13. Plug the 3-pin mains plug into the mains socket provided in the unit, this can be accessed from the lift-top locker door.

**THE 12v SOCKET LOCATED INSIDE THIS UNIT ONLY POWERS THE FRIDGE WHEN IN TRANSIT IF THE TOW VEHICLE IS UTILISING THE 13-PIN (OR TWIN 7-PIN) SOCKETS. THIS 12v SOCKET IS ONLY POWERED WHILST THE TOW VEHICLE'S ENGINE IS RUNNING AND DOES NOT OPERATE OR PROVIDE POWER WHEN THE CAMPER IS DISCONNECTED FROM A RUNNING VEHICLE AND IS ONLY FOR USE AS A FRIDGE SOCKET.**

## CLUB LOUNGE



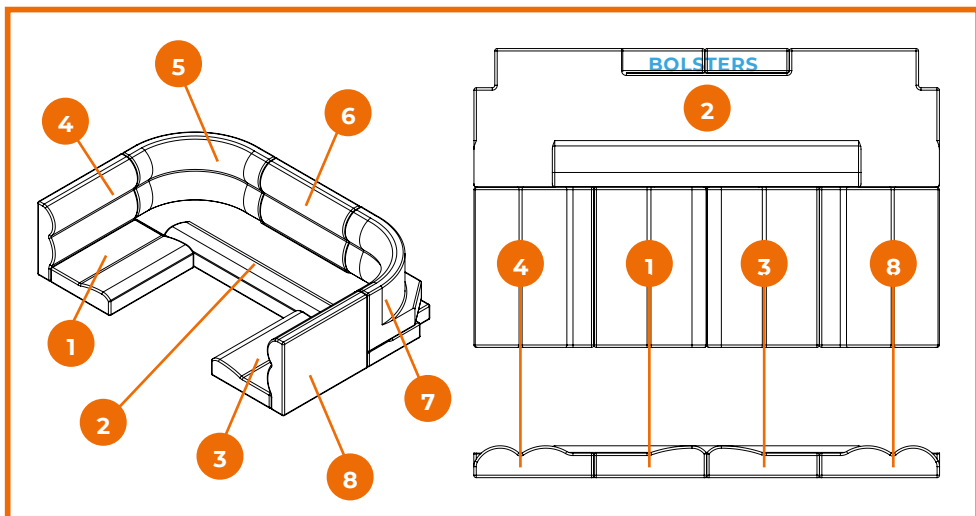
*CLUB LOUNGE/SEATING AREA PACKED DOWN*

1. Place the table out of the way to start with - this can be left on either bed.
2. Locate all seat cushions (soft backs), and then locate the Velcro fitted to each type of back cushion (hard backs) to help you understand where each cushion goes.
3. The three seat bases are positioned as above (cushion numbers 1,2 & 3) fit the back cushions with the Velcro on both sides into the void of the long seat base - cushion number 6.
4. The corner cushions can now be positioned and attached to the rear seat back with the Velcro cushion numbers 5 & 7.
5. The other two seat backs should be placed at their respective sides with the Velcro sides facing towards the rest of the cushions (rear of the Camper) and attached to the corner cushions. Cushion numbers 4 & 8 from the middle cupboard.
6. Fit the table leg into the aperture located in the floor of the Camper.
7. Locate the table socket on the underside of the table and place it over the top of the table leg. Firm pressure on the table centre will set the table and table leg securely for use.

The main set-up of the Camper is now complete. The [water](#), [gas](#) and [electric](#) systems sections detail the use and function of the individual components.

## ADDITIONAL BED

The seating area inside the OPUS® can be reconfigured to provide an additional bed, please see diagrams for reference.



### CLUB LOUNGE/SEATING AREA ASSEMBLED. CONVERTED TO ADDITIONAL BED.

The furniture of the Camper with the inclusion of the table forms the base of the additional bed; the table is reinforced to provide adequate support for sleeping. The images below are for guidance.

1. Firstly position the table top in the position shown above to form the base section of the additional bed.



TABLE POSITION FOR BED



ARRANGE CUSHIONS



COMPLETED SETUP

2. Arrange the cushions as shown above. Cushions 5,6 & 7 are not required for the additional bed and can be removed.
3. The two bolster cushions fit into cushion number 2 - where cushion number 6 would usually sit. Then position cushion 4 to the far left, followed by cushions 1,3 & 8 to form the bed.

**REFER TO THE [CONDENSATION AND VENTILATION](#) SECTION**

# WATER SYSTEM.



**IMPORTANT! A LEISURE BATTERY OR MAINS HOOK UP CONNECTION IS REQUIRED TO OPERATE THE WATER PUMP.**

1. The OPUS® has been designed to accommodate Fiamma 23L drinking (blue) water container and waste (grey) water container. These containers are optional extras; the instructions for the water system will be based on these. If you haven't chosen these options or are using alternative carriers, please follow these instructions in addition to your desired carriers instructions where applicable to set up the water system.
2. To set up the water system, the blue fresh water container should be filled up from a suitable source then positioned just below the Camper's water inlet as shown.
3. Lift up the water inlet cover and connect the hose/pump plug into the socket cover as this retains the plug in position. Insert the submersible 12V pump into the water container ensuring the opening is protected from debris and unwanted particles by inverting the cap attached to the pump and fitting it inside the open screw-on ring of the water tank.



WATER & WASTE



POSITIONING OF CARRIERS



WATER PIPE CONNECTION

4. Open the containing flap and insert the grey convoluted hose into the water outlet with the other end being inserted into the grey waste carrier
5. Turn on the water pump control switch on main camper control panel
6. To adjust the flow/pressure of the water pump: a plastic screw can be found in the cupboard underneath the sink unit, on the back of the female pump connector. Turn clockwise to increase flow/pressure and anti-clockwise to reduce flow/pressure.



WASTE PIPE CONNECTION



MAIN & RUN SWITCH ON



PRESSURE/FLOW ADJUST

7. To operate the pump, simply raise the tap neck, rotate 90° and lift up the tap lever in the sink. The inlet socket has a pressure switch that automatically operates the pump when the tap is opened. It may take a few seconds for the water to run steady - due to air in the pipes.
8. When packing away the OPUS® you must adhere to the following procedure in order to drain the system of any excess water before disconnecting the internal water inlet and internal waste pipe:
  - Switch off the pump at the mains power switch.
  - Open the tap and allow the excess water in the pipe to drain.
  - Close the tap once all of the water has drained.
  - Disconnect either side of the male to male hose coupler.
  - Disconnect the bottom waste water outlet pipe.
  - The waste water outlet pipe can be secured underneath the sink unit.
  - The male to male hose coupler can be left on either of the hoses when disconnected.
  - Store the external submersible pump and external waste pipe fitting inside the sink.
  - Close the glass lid.

**A SMALL AMOUNT OF WATER MAY BE PRESENT FROM THE CONNECTORS AND WASTE HOSE, SO A CLOTH IS USEFUL TO REMOVE ANY EXCESS WATER.**

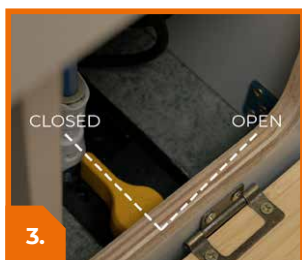




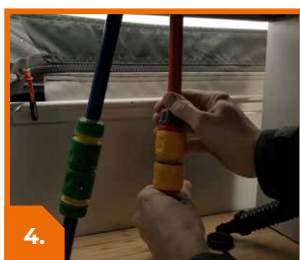


## SETTING UP THE HOT WATER SYSTEM

1. Following [set up of your OPUS Camper](#) you can now prepare the hot water system for use.
2. Firstly [set up the water system](#) as usual but ensure the 12v system and pump switch within your OPUS® Camper is OFF.
3. Close the drain valve on the Whale Expanse unit – located in the right kitchen cupboard. The drain valve is yellow and when in the 12 o'clock position it is closed, when in the 3 o'clock position it is open. You need to ensure the drain valve is at 12 o'clock so that the Whale Expanse unit can be filled.
4. Ensure both water pipe connections under the sink unit are securely attached – one of these is a direct feed from the Fiamma fresh water tank (cold water), the other is a direct feed from the Whale Expanse unit (hot water). The connection is made with the aid of a male to male coupler which can be retained on either side of the connection depending on the side disconnected.



**CLOSE THE DRAIN VALVE  
WITHIN THE CUPBOARD**



**HOT WATER SYSTEM  
PIPE CONNECTORS**



**SINK MIXER TAP**

5. Ensure the waste water outlet hose (grey) is located underneath the sink unit into the waste water aperture on the kitchen base unit.
6. Open/turn on the sink mixer tap, ensuring the mixer is located to the hot side only.
7. Turn on the main 12v power switch and also turn on the pump switch (marked with a tap symbol and the word 'RUN').
8. The Whale water pump will now activate and start to draw 8 litres of water from the Fiamma 23 litre fresh water tank to fill the Whale Expanse Unit. Leave the sink tap on/open whilst the Whale Expanse Unit fills to remove trapped air.
9. Wait until water is flowing steadily at the tap, this means the Whale Expanse unit is now full.
10. Close tap and wait for the water pump to stop.



**12V & WATER PUMP SWITCH**

11. Periodically or upon first use after storage/transportation please inspect the water pipe connections in both the left kitchen cupboard (under sink) and right kitchen cupboard (under hob) to ensure there are no minor leaks present.

**NOTE: The Whale Expanse Unit will automatically draw 8 litres of water from the Fiamma 23i fresh water tank once the pump switch is turned on. This will happen even if the Whale Expanse is not turned on or operational. It is critical to close to the close the drain valve on the Whale Expanse even if you only wish to draw cold water from the water system.**

12. If you have mains electricity available ensure the MCD is turned on (image – MCD for HWS is central MCD on the board – 6A Battery Charger/10A HW System (if fitted)/10A sockets) and then turn on the isolation switch for the hot water system to allow operation by mains power. The water heater isolation switch is found in the left seating cupboard next to the plinth heater isolation switch.



12. WATER HEATER ISOLATION



13. HWS GAS VALVE



13b. EXTERNAL GAS FLUE

13. If you have gas available now turn on the gas tap/valve in the kitchen cupboard underneath the hob unit. The gas tap/valve closest to the cupboard door is for the internal gas hob and is fitted with a quick fit release, the gas tap/valve located behind the first is for opening/shutting off the gas connection to the Whale Expanse. Turn the tap X direction to allow the flow of gas.

**Refer to SAFETY section on Page X if using gas to power the Whale Expanse – it is critical that the rear OPUS skirt is never fitted when using gas and that the window in your OPUS above the gas flue outlet remains closed at all times**

14. Turn on the hot water system by using the Whale Heat Control panel.
15. The Whale Expanse unit can be powered by gas only, electricity only or both combined.
16. To wake the Whale Heat Control panel wave your hand in front of the control panel to light up/activate the panel for use – the control panel is touch screen.
17. Now select your desired water temperature by using the – and + buttons on the control panel.
18. There are 3 available temperature settings:
19. a. Frost protection mode (approx 25°C)
20. b. Eco mode (approx 55°C)





21. c. Max temp mode (approx 72°C)
22. 19. Now select and activate your heat method:
23. a. For Gas press the 'flame' button (image) – the 'flame' icon will turn blue and the Whale Expanse will ignite the Gas, the 'flame' icon will then turn orange.
24. b. For Electric press the 'bolt' button (image) – the 'bolt' icon will turn blue and the Whale Expanse will draw electricity. The 'bolt' icon will remain blue. When using electric input you have the additional option for 3 power settings. This can be useful if your campsite pitch has a limited electricity input or if you intend to use other electrical appliances inside your OPUS Camper whilst the hot water system is heating. There are 3 lights above the 'bolt' icon (image). By pressing and holding the 'bolt' icon you can switch between these 3 power settings.
25. i. 1 light – 1.6A/0.38kW
26. ii. 2 lights – 3.3A/0.75kW
27. iii. 3 lights – 6.5A/1.50kW
28. c. Note: a lower power input will take longer to heat the water within the Whale Expanse water tank.
29. 20. If you wish to use both Gas and Electric input perform both steps above for Gas and Electric input – so that both the 'flame' and 'bolt' icons are lit.
30. 21. The Whale Expanse will now begin to heat the water – the progress can be followed by waving your hand over the control panel to display the current temperature by orange blocks.
31. 22. Once the control panel display has reached your selected temperature the hot water is ready to use.

## WATER SUPPLY TO INTERNAL SINK

1. Turn the mixer tap control to hot (image).
2. Turn on the tap to initiate water flow – hot water will now be drawn from the Whale Expanse unit. It may take a few seconds for hot water to reach the tap.  
\*\*CAUTION – BE CAREFUL OF HOT WATER CONTACT WITH HANDS\*\*
3. The mixer tap control can be moved between hot and cold as desired to produce water at your required temperature.

**Note – if using the mixer function for a combination of hot and cold water then the cold water will be drawn directly from the Fiamma 23l fresh water tank and mixed with the hot water from the Whale Expanse unit.**

**Note – it is important to regularly check the water level in the Fiamma 23l fresh water tank. Water consumed from both the cold and hot water feeds will deplete the level of fresh water in the Fiamma 23l water tank. If the Whale water pump is unable to draw water the Whale water pump will not automatically cut out. This will cause the Whale water pump to burn out. To avoid this turn the water pump switch off (image) at the 12v control panel and refill the Fiamma 23l water tank. Once refilled reposition the fresh water tank, re-insert the Whale water pump and turn back on the water pump switch at the 12v control panel.**

## Water Supply to External Shower Outlet

If the optional Hot Water System is a feature on your OPUS then an external shower outlet has also been fitted. This is located next to the Whale water pump inlet (image).

To use the external shower outlet please follow the instructions below:

1. Locate the bag supplied containing shower head, shower hose and external shower outlet socket control (image).
2. Open the external shower outlet cover – lift up (image).
3. Ensure the shower head on/off switch is turned off.
4. Ensure the shower hose is firmly connected to the shower head and shower outlet socket control.
5. Insert the shower outlet socket control into the external shower outlet (image).
6. Turn the shower outlet socket control anti-clockwise to initiate water flow via the shower outlet.
7. The desired temperature can now be selected by turning the shower outlet socket control (image).
8. To activate water flowing from the shower head turn the on/off switch on the shower head to on.
9. The temperature control can be adjusted whilst water is flowing from the shower head if desired.
10. The flow of water can be controlled on/off by the switch on the shower head during use.

**Note – if using the mixer function for a combination of hot and cold water then the cold water will be drawn directly from the Fiamma 23l fresh water tank and mixed with the hot water from the Whale Expanse unit.**

## Draining/packing down the water system for storage:

1. Remove external shower outlet socket control if fitted.
2. Drain water from inside the shower hose and head.
3. Close the external shower outlet socket cover (pull down – image)
4. Turn the water pump switch off at the 12v control panel.
5. Turn the 230v isolation switch off inside the electric cupboard to isolate power to the Whale Expanse unit (if desired the middle MCD on the fuse board can also be turned off for storage).
6. If gas has been used, turn the gas tap/valve in X direction to stop the gas flow and isolate the Whale Expanse unit.
7. Open the sink tap to allow any water inside the tap/hose to drain.
8. Wipe/clean the sink to remove any remaining water.

9. Disconnect the cold and hot water hose connections below the sink unit.

**Note: A small amount of water may be present from the connectors and waste hose, so a cloth is useful to remove any excess water.**

10. Remove the waste water outlet pipe and secure under the sink unit in the provided loop.
11. Drain the Whale Expanse unit – locate the drain valve in the kitchen storage cupboard underneath the internal hob unit. Turn the drain valve from 12:00 o'clock (closed) to 3:00 o'clock (open). This will drain the entire Whale Expanse unit by releasing the water stored underneath your OPUS Camper. This step should only be completed when you are outside and in an area where the water draining can escape. The draining process will take approximate 10 minutes to complete. The drain valve can be left open during storage and transit of your OPUS Camper. The drain valve does not need to be closed until the next time you set up your OPUS Camper and set up the water system.

## Safety

**If using the Whale Expanse system on gas it is not possible to install the rear skirt on your OPUS Camper (part of the Side Skirt Kit). The gas flue requires adequate ventilation which can only be provided with the rear skirt removed/not fitted.**

**If using the Whale Expanse system on gas you must ensure the window above the gas flue outlet is fully closed at all times (Perspex layer closed, full in blind can be left folded down) – Image. This is to ensure the gas flue has adequate ventilation and that fumes expelled do not enter the OPUS via the window located above.**

- Do not tamper with the fitting of the Whale Expanse in any way.
- Do not tamper with the external or internal pipework of the Whale Expanse system
- False walls are fitted inside the left kitchen storage cupboard underneath the sink unit – these should be left in position at all times to avoid any disturbance to pipework.
- A false side wall is also fitted inside the right kitchen storage cupboard underneath the hob unit – this should be left in position at all times and nothing should be stored in the area designated for the Whale Expanse unit.

## Maintenance

- Periodically remove the false walls in the kitchen cupboard under the sink unit to ensure there are no minor leaks in the system.
- Periodically check the connections in the kitchen cupboard under the hob unit to ensure there are no minor leaks at the connections.

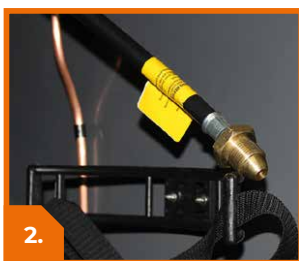
# GAS SYSTEM.



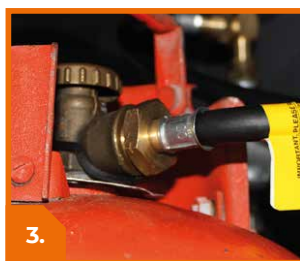
1. The OPUS® has the facility to carry 2 x 4.5kg Butane or 2 x 3.9kg Propane gas cylinders (not supplied) in the front gas locker compartment. The OPUS® is fitted with straps for one gas cylinder as standard. Please contact OPUS® to upgrade this if a second cylinder is required.
2. A gas hose for your cylinder is already supplied. This will include a 'Propane' hose for UK mainland and a 'Butane' hose for outside of the UK as standard. Please ensure this is correct before attaching your cylinder.
3. First connect the gas hose onto the cylinder and then fit the other end of the hose onto the fixed gas regulator inlet ensuring the rubber gasket is in place. It is advisable to keep an adjustable spanner with jaw opening up to 30mm in the Camper for this use.



**1.**  
GAS CYLINDERS



**2.**  
GAS HOSE



**3.**  
GAS HOSE CONNECTION

**CHECK THE INSTRUCTIONS FOR CORRECT FITMENT AND SAFE USE WITH THE GAS CYLINDER MANUFACTURER/SUPPLIER.**

**ALWAYS ENSURE THAT THE GAS CYLINDER RETAINING STRAPS ARE FITTED WHENEVER A GAS CYLINDER IS INSTALLED IN THE FRONT LOCKER COMPARTMENT, EVEN WHEN THE OPUS® IS STATIONARY.**

4. The gas tap/valve on the top of the gas bottle can now be opened.
5. Turn on the red gas tap (situated underneath the kitchen base unit) by turning 90° as detailed in the [set-up](#) section if you haven't already done so.
6. Lift up the glass lid of the gas hob, turn on one of the burners (push in, turn and



**4.**  
OPEN THE VALVE ON THE BOTTLE



**5.**  
TURN ON THE RED GAS TAP

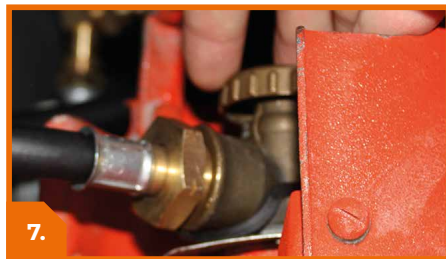
hold) and ignite by pressing the piezo button. Keep pressing the button until the gas has had time to fill up the system and the burner will ignite.

**SAFETY FIRST! ALWAYS KEEP THE GLASS LID CLOSED WHEN THE GAS HOB IS NOT IN USE. ENSURE BURNERS ARE TURNED OFF WHEN NOT IN USE.**

7. Ensure that the gas bottle valve is closed prior to packing up the OPUS® for transit or storage.



IGNITE A BURNER



TURN OFF GAS BOTTLE VALVE WHEN PACKING DOWN

**NEVER USE THE GAS HOB AS A SOURCE OF HEATING.**

**ALWAYS ENSURE THAT ONE OR MORE OF THE WINDOWS ARE OPENED TO ALLOW FOR ADEQUATE VENTILATION WHEN THE HOB IS IN USE.**

**THE GAS SYSTEM OF THE CAMPER IS DESIGNED FOR USE WITH THE GAS HOB ONLY; DO NOT USE ANY OTHER GAS APPLIANCE WITH IT.**

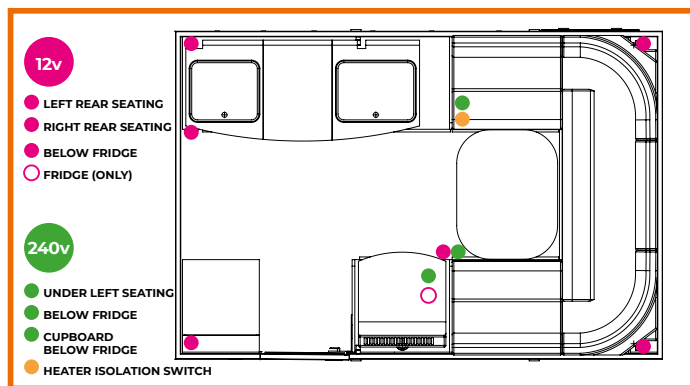
OPUS® recommends using Calor or FLOGAS 3.9kg propane bottles **under 38cm** in height. The agreement for the bottle is between yourself and Calor/FLOGAS.

<https://www.flogas.co.uk/>  
<https://www.calor.co.uk>

Find your local stockist at:

<https://www.flogas.co.uk/stockists>

# ELECTRICAL SYSTEM.



LOCATION OF 12v and 240v SOCKETS

1. To connect the OPUS® to a 240v mains power supply, unlock the battery compartment door and plug in a suitable electric hook up extension cable. There is a recess in the bottom left-hand corner of the battery compartment to enable the door to be closed and locked, even when the cable is connected.



POWER SUPPLY TO OPUS



POWER SUPPLY FROM MAINS



CONTROL PANEL ON

2. Once connected to a camping site supply or your home's supply (via a mains 3-pin plug to a round socket adaptor), your OPUS® leisure battery will be charging (provided the MCB' in the consumer unit are on).
3. To operate the 12v electrical systems (you must have a leisure battery) they must be switched on at the power switch in the control panel situated just inside the door of your OPUS® on the right hand side.
4. The internal 12v sockets (with the exception of the fridge 12v supply) the air pump and lighting will operate on 12v power from the leisure battery; heavy usage and power hungry appliances will deplete the battery's charge. It is recommended to have the mains hook-up cable connected to a suitable supply if available, even if appliances are run on 12v only.

**BATTERY USER GUIDANCE - BATTERY MANUFACTURERS STRONGLY ADVISE THAT A BATTERY BE RECHARGED AS SOON AS ITS CAPACITY FALLS BELOW 50% OF ITS FULLY CHARGED STATE. POWER SHOULD NOT BE DRAWN FROM A LEISURE BATTERY WHEN IT DROPS TO A COMPLETELY DISCHARGED STATE - 12V OR LESS. ALLOWING THIS TO HAPPEN MAKES IT VIRTUALLY IMPOSSIBLE TO FULLY CHARGE IT AGAIN.**

**WHETHER THE OPUS® LEISURE BATTERY HAS BEEN DEPLETED OR JUST USED FOR A SHORT PERIOD OF TIME (OR UNUSED FOR AN EXTENDED PERIOD IN STORAGE) IT MUST BE MAINTAINED IN A TOPPED-UP STATE EITHER VIA THE INTERNAL CHARGER (VIA MAINS HOOK UP) OR AN INDEPENDENT CHARGER (IF REMOVED FROM THE OPUS®). NOTE CHARGING TIMES MAY VARY, BUT IT MAY TAKE UP TO 48 HOURS TO FULLY CHARGE. LEAVING A BATTERY IN A PARTLY DISCHARGED STATE FOR A PERIOD OF WEEKS WILL PERMANENTLY REDUCE ITS CAPACITY TO HOLD CHARGE.**

5. The control panel also has a battery voltmeter that will provide an indication of the remaining charge of the leisure battery. A full battery will be indicated by the top yellow LED (3rd light from the bottom); the green LED (top light) will only be lit whilst the battery is being charged i.e when connected to the mains hook-up.



**BATTERY/CHARGING LIGHTS**



**FUSE BOX LOCATION**



**FUSE ALLOCATION**

6. There are four standard automotive blade fuses on the panel located underneath the fridge base unit which protect the circuitry of the 12v appliances in the Camper. If a fuse has blown it must only be replaced with one of the same amp rating. The system will also need to be checked by a qualified technician at the earliest opportunity to determine the cause of the blown fuse, as this maybe an indication of a circuit/component fault.

The fuses are allocated as follows:

A. Water pump (5A)  
B. Spare (5A)

C. 12v sockets + LED Lighting (15A)  
D. Inflation Pump (20A)

**TAKE EXTRA CARE WHEN USING THE SOCKETS THAT ANY CABLE DOES NOT CAUSE A HAZARD, PARTICULARLY IN THE CASE OF SOCKETS NEXT TO THE HEATER.**



**HEATER CONTROLS**



**HEATER ISOLATION SWITCH**

**PLEASE ENSURE BEFORE PACKING DOWN THE OPUS® THAT THE ISOLATION SWITCH (7.1) IS TURNED 'OFF' FOR SAFETY REASONS. THIS IS ESSENTIAL IF CHARGING THE LEISURE BATTERY IN STORAGE.**

**IT IS IMPORTANT THAT ANY APPLIANCE/ACCESSORY PLUGGED INTO THESE SOCKETS IS DISCONNECTED PRIOR TO USING THE HEATER.**

7. The plinth heater is only for use when the OPUS® is connected to a mains electric hook-up (240v in UK). The front panel has an on/off switch and also a switch for setting half or full power (1kW/2kW). There is a 10amp fused spur with a separate on/off switch located within the seat unit to the right of the heater. The heater must be isolated by using the fused spur switch; this disables the on/off switch on the front panel of the heater.

**SAFETY WARNING: DO NOT COVER THE FRONT OF THE HEATER.**

**DO NOT LEAVE ANYTHING IN FRONT OF OR NEAR THE HEATER WHILST IN OPERATION.**

**NEVER LEAVE THE OPUS® UNATTENDED WHILST THE HEATER IS IN OPERATION.**

**NEVER LEAVE THE HEATER ON WHEN SLEEPING.**

8. Within the off-side seat unit is the battery compartment box, the battery transformer and the mains electric consumer unit.



**8.**  
**ELECTRICAL UNITS**



**9.**  
**LOCATION OF CIRCUIT  
BREAKERS**



**10.**  
**BATTERY TRANSFORMER**

9. The consumer unit has circuit breakers that operate in the same way as your home's domestic power supply and trip out in the event of some form of circuit/appliance overload. These are governed by a main RCD switch.
10. The mains electric input can be switched off using the RCD switch. If one of the breakers is tripped, it can be reset by flicking the switch up. However, if the breaker won't reset there is a problem with one of the circuits or appliances attached to it and this must be attended to by a qualified technician at the earliest opportunity. The battery transformer is fully automatic and will recharge the leisure battery if the OPUS® is connected to an electric hook-up provided the MCB's are on and in transit if the tow vehicle has the 13-pin or twin 7-pin sockets.

**DO NOT OVERLOAD THE 240V 3PIN SOCKET OUTLETS OF YOUR OPUS®. YOU CANNOT EXCEED 10A LOADING AT ANY ONE TIME WITHOUT ACTIVATING THE CIRCUIT BREAKERS (I.E YOUR HEATER OPERATES AT 10A)**



# PACKING DOWN.



**IMPORTANT! IF YOU HAVE TO PACK DOWN THE CAMPER WET OR DAMP TO TRAVEL - ENSURE IT IS OPENED WITHIN 24 HOURS AND LEFT TO DRY FULLY.**

Essentially the pack down procedure is a direct reverse of setting up.

Please note the following points:

1. The seat bases remain in their respective positions.
2. Remove the table & table support leg (if fitted).
3. The two side seat backs can be stored in the central rear seat storage unit if required (the back full length cushion may need to be moved/lifted if necessary).



**1.**  
*SEAT BASES REMAIN IN POSITION (1,2 & 3)*



**2.**  
*REMOVAL OF TABLE TOP AND TABLE SUPPORT LEG*



**3.**  
*STORAGE FOR TWO SIDE SEAT BACKS (4 & 8)*

**THE OPUS INTERIOR NOW CONTAINS A MIX OF TECHNICAL FABRICS OF CONTRASTING COLOUR. SOME OF THE DARKER FABRICS ARE DYED AND CONSEQUENTLY THIS COULD TRANSFER ON TO LIGHTER FABRIC. THE LIKELIHOOD OF THIS IS INCREASED WHEN THE OPUS IS PACKED DOWN, AND MATERIALS ARE HARD PRESSED AGAINST ONE ANOTHER FOR LONG PERIODS AT DIFFERING TEMPERATURES. FIND OUT MORE ON [PAGE 44](#)**

4. The arrangements of the cushions and contents of the trailer may be arranged to accommodate your personal items and payload; ensure that the trailer is properly loaded and balanced as described in the [sensible loading](#) paragraph and image of this user manual.
5. Ensure that all 4 roof window blinds are fully closed and that all side windows within the OPUS have both Perspex and solid window blinds fully closed to ensure no damage to window elements.

**A USEFUL REFERENCE FOR PACK-DOWN IS THAT NOTHING STORED WITHIN THE OPUS® FOR TRANSIT CAN BE TALLER THAN THE SEAT BASES; OTHERWISE IT WILL BE DIFFICULT TO CLOSE THE LIDS AND MAY CAUSE DAMAGE TO THE IF THEY BECOME OBSTRUCTED.**

6. Ensure the internal water system and components have been packed away as detailed in the [Water System Section](#).

7. Turn off the gas tap and disconnect the gas hose of the hob unit by pushing down the brass neck of the gas tap. Pull the hose from under the kitchen base, back through the aperture in the unit and store in the p-clip attached to the inside of the gas hob unit.

**SWITCH OFF THE HEATER ISOLATION SWITCH.  
THIS RESIDES IN THE CUPBOARD AND IS NOT THE RED SWITCH ON THE HEATER  
ITSELF.**

8. If you have a fridge, you will need to place it on the floor of the Camper for transit



**7.**  
*WITH GAS OFF PUSH  
DOWN ON BRASS NECK*



**7.1**  
*PULL THE HOSE FROM UNDER  
THE KITCHEN BASE UNIT*



**8.**  
*SWITCH OFF HEATER  
ISOLATION SWITCH*

but you can leave it plugged into its dedicated 12v socket (located in the unit below where the fridge is housed) so that its contents can be kept cool during transit if a 13-pin or twin 7-pin electrics are used on the tow vehicle.



**12.**  
*SECURE MATTRESSES*



**13.**  
*OPEN ALL INTERNAL AIR  
VALVES*



**13.1**  
*OPEN ALL EXTERNAL AIR  
VALVES*

9. Switch off the gas valve on the gas bottle(s).
10. Disconnect the electric hook-up cable (if fitted).
11. Secure both mattresses with the retaining straps. Bedding can be left in the bed areas but must also be secured under the retaining straps.

**PLEASE ENSURE YOUR AIR TENT IS DRY BEFORE TAKING DOWN. IF IT IS  
NECESSARY TO PACK AWAY YOUR TENT WHILE IT IS WET, PLEASE DRY IT AS  
SOON AS POSSIBLE TO AVOID  
DAMAGE TO THE FABRIC AND COMPONENTS.**



**14.**  
*UNDO EXTERIOR BUNGEE CLEATS*



**15.**  
*LIFT CANVAS OFF EACH CORNER OF THE BED TRAYS*

12. Open all internal AIR valves via larger hex nut. Then open all external AIR valves found in the external valve pockets. There are 5 external valves all located on the rear of the ALL-ROAD OPUS®. As the canvas deflates carefully fold the canvas into the trailer. Ensure all canvas is housed inside the trailer body.
13. Ensure that the canvas is released from all the elastic bungee cleats on the exterior before closing the lids.
14. Lift the canvas off each corner of the bed trays on the exterior before folding.



**16.**  
*REMOVE THE FOUR BED SUPPORT*



**16.1**  
*D-PIN SECURES BED SUPPORTS*

15. Remove the four bed support legs. Insert the legs into the steel sub frame of the Camper with the retained pull pin end towards the exterior of the Camper. Use the D-pin and insert through the apertures on the steel frame and through the pin apertures on the leg as well as through the retaining ring of the retained pin secure the leg onto the Camper by hooking the D-wire over the pin.
16. Close the rear lid of the Camper first. Tuck in all excess (protruding) canvas as you go.
17. Close the front lid, again tuck in all excess canvas to ensure that no canvas is protruding from either side or across the middle where the two lids meet. Also ensure no canvas is snagged between the seal and lids behind the hinges.

**IMPORTANT! IT IS ESSENTIAL THAT NO TENT MATERIAL IS VISIBLE WHEN THE LIDS ARE SECURED/CLOSED, AND THAT NO MATERIAL IS TOUCHING THE SEALS AROUND ALL SIDES OF THE OPUS® INCLUDING BEHIND THE HINGES.**

18. Secure both lids by hooking the loop of the over-centre clamps onto the hooks on the lids and pulling down the lever.



17.

*CLOSE REAR LID OF CAMPER FIRST*



18.

*THEN CLOSE THE FRONT LID*



18.1

*ENSURE MIDDLE SECTION OF CAMPER IS CLEAR OF*

**DO NOT ADJUST THE LENGTH OF THE LOOP AS THIS COULD AFFECT THE ABILITY TO PREVENT INGRESS**

19. Secure the water and waste containers (if applicable) to the trailer on their carriers located either side of the gas locker at the front of the Camper using the straps provided.



19.

*LOCK DOWN LIDS*



20.

*SECURE WATER & WASTE CARRIERS*



21.

*RAISE ALL CORNER STEADY FEET*

20. Ensure all four corner steady legs are fully raised prior to transit.

**TIP: MAKE SURE THE CORNER STEADY WINDER (OR DRILL/DRILL DRIVER) IS EASILY ACCESSIBLE TO AID THE NEXT SETUP.**

21. Fit the roof cover appropriate to your OPUS® setup.
22. Before you attempt to tow the OPUS® Camper, ensure that the Leisure Battery (if fitted) is sitting in the tray provided, that the strap is tightly fastened across the battery, and most importantly; that the battery box door is locked correctly. Tip: When locking/unlocking the battery compartment - apply pressure to the front of the door. The lock turns through 180 degrees from a fully unlocked to locked position.

**FAILURE TO CHECK THIS COULD HAVE SERIOUS CONSEQUENCES IN TRANSIT.**



23.

*CHECK LEISURE BATTERY IS SECURE & BATTERY BOX IS*

23. Before towing, please ensure that either the roof cover or load-carrying roof cover (if roof bars fitted) is fitted

to prevent any prospect of water ingress. Always check the internal condition on return to ensure the OPUS® is dry and ready for storage. Return the full roof cover after your inspection.

**Your OPUS® is now ready to go.**

**ADHERE TO THE CORRECT HITCHING AND UNHITCHING PROCEDURES**

**USEFUL GUIDES FOR SAFE AND LEGAL TOWING CAN BE FOUND ON LEADING CAMPING AND CARAVANNING ORGANISATION WEBSITES**

**PLEASE SEE [HITCHING, UNHITCHING & SAFE TOWING](#) SECTION**



## PARTS LIST

1. Air Sun Canopy
2. Storm straps
3. Pegs & ladder bands

## ASSEMBLY

**Try to choose a site that is relatively flat. Avoid sites where the land may flood or where water will run down. DO NOT pitch directly under trees. Pitching near a hedge or wall may provide shelter against wind. AVOID areas with heavy pollution and where crop spraying may be in progress.**

1. Remove the OPUS Air Sun Canopy (OASC) from the storage bag
2. Unfold and locate zip on the OASC
3. Place on the ground with zip closest to the OPUS Air Tent (OAT)
4. Inflate tent to head height and zip OASC onto OAT – place Velcro flap on OAT over zip on OASC and secure Velcro.



**ZIP THE SUN CANOPY  
TO THE MAIN TENT**



**SECURE VELCRO ON  
THE TENT TO OASC**



**CLOSE AIR VALVE ON  
OASC LEG**

5. Locate OPUS air extension hose and insert into your main OPUS air pump hose
6. Close 1 x air valve on the leg of OASC
7. Open square valve cap which is inset on the air valve and insert Air Extension hose ensuring the extension hose is attached to the standard air pump hose.
8. Press inflation button on OPUS to inflate the OASC – The air pump will automatically cut out when the OASC is up to pressure (8psi) (note: inflation can also be completed with the OPUS hand pump (OFC195B-195E))
9. Remove the hose and re-tighten square valve cap to provide a tight seal after inflation.
10. Locate the black strap on the leg of the OASC and connect it to the clip on the

other sun canopy leg – this can now be used as a guide for the distance between the legs

11. With the distance confirmed connect the 3 x ladder bands to the ladder 3 x ladder clips on one of the OASC legs
12. Secure the OASC legs to the floor by using the included tent pegs to secure the ladder bands into the ground
13. Repeat for the other OASC leg
14. OASC SET UP COMPLETE



**CONNECT THE STRAP  
BETWEEN OASC LEGS**

## **PACKING DOWN AIR SUN CANOPY**

1. Deflate the main tent to head height
2. Remove pegs and ladder bands from OASC legs
3. Open the air valve on the leg of the OASC
4. Unzip and separate Velcro on the OASC from the OAT
5. Fold the OASC and place into the storage bag

## **AIR SUN CANOPY ALWAYS CONNECTED SETUP**

The Air Sun Canopy can be left attached to your main tent. This method connects the Air Sun Canopy to the main tent inflation system to allow tent and canopy inflation in a single press of a button.

1. Remove the OPUS Air Sun Canopy (OASC) from the storage bag
2. Locate OASC spares and repairs pack within the clear side pocket of the storage bag and remove the interconnecting tube
3. Unfold and locate zip on the OASC
4. Place on the ground with zip closest to the OPUS Air Tent (OAT)
5. Now, with the camper deflated, step inside the OPUS and locate the unused black doner valve on the central middle beam (bladder no.3)
6. Unscrew the nipple on the doner valve and insert the interconnecting tube and re-tighten – ensure the spring is inside the interconnecting tube to avoid kinking.
7. Run the interconnecting tube through the accessory eyelet on the OAT
8. Zip the OASC onto OAT – and fold the OASC on itself so that it is sitting on top of the OAT to allow access to the underside of the OASC
9. Locate the black doner valve on the central beam of the OASC
10. Unscrew the nipple on the doner valve and insert the interconnecting tube and re-tighten



11. Ensure that both the doner valves on the OAT and OASC are now in the open position
12. Fold back over the OASC to the correct position for inflation.
13. Close 1 x main air valve on the leg of OASC
14. Press inflation button on OPUS to inflate the OAT and the OASC together at the same time – The air pump will automatically cut out when the OASC is up to pressure (8psi)
15. OASC ALWAYS CONNETED SETUP IS NOW COMPELTE

## PACKING DOWN ALWAYS CONNECTED

1. Deflate the main tent to head height
2. Remove pegs and ladder bands from OASC legs
3. Open the air valve on the leg of the OASC
4. Fully deflate the main tent
5. Fold the OASC on top of the OAT ensuring the weight of the fabric is evenly distributed across the camper
6. Continue with OPUS pack down procedure

## OPTIONAL AIR SUN CANOPY STORM BARS

([OFC195C-194E](#))

Air Sun Canopy Storm Bar can be used to increase structural integrity of the Air Sun Canopy in adverse weather conditions.

1. Install the OPUS Air Sun Canopy (OASC)
2. Unfold the OPUS Air Sun Canopy Storm Bars (SB) ensuring there are no twists



**2.**  
*UNFOLD THE STORM BARS*



**7.**  
*SECURE STORM BAR TO AIR TENT VELCRO*



**8.**  
*SECURE STORM BAR TO OASC VECRO*

3. Locate the white inflation valve and close it
4. Open the square valve cap which is inset on the air valve and insert inflation hose
5. Press inflation button on OPUS to inflate the OASC SB to pressure (8psi) (note: inflation can also be completed with the OPUS hand pump (OFC195B-195E
6. Remove the hose and re-tighten square valve cap to provide a tight seal after inflation.



7. Locate the velcro patch on the OPUS AT and connect one end of the OASC SB
8. With the other end of the SB in hand, follow the centre beam of the OASC to the front of the canopy and connect other end of the SB to the Velcro patch on the canopy
9. Repeat on the other side
10. INSTALLION COMPLETE

## **PACKING DOWN AIR SUN CANOPY STORM BARS**

1. Remove the SB from the Velcro patches on the OASC and OAT
2. Open the air valve on the SB
3. Fold the SB and store
4. Repeat for the other side

## **ADDITIONAL OPUS AIR SUN CANOPY FEATURES**

### **MODULAR ZIPS**

Required items

OASC (OFC195E-194 2023 model)

Each leg of the OASC has 2 zip positions to allow installation of OPUS modular compatible accessories – it is possible to attach OPUS Air Windbreak Panels to the OASC (Air Wind Break Set [OFC195C-190], Air Gazebo [OFC195D-200] and Side Skirts [OFC195D-195E])

These items can be connected to the OASC to expand your camp using the zips on the OASC and accessories.



**MODULAR ZIP  
CONNECTORS ON OASC**

### **LED LIGHTS**

Required items

ASC (OFC195E/D/C-194)

LED lighting kit for awning (OFC 195C-013)

1. The OASC can have the OPUS LED lighting kit installed into the centre beam of the OASC.
2. Install the LED lighting strip into the lighting jacket of the centre beam of the OASC – using the clear plastic sleeve and zip opener
3. Plug the extension cable from a 12v socket in one of the corners of your camper
4. Run the cable through the accessory expansion slot at the top of the front of the tent
5. Plug the extension cable into the LED lighting strip



**INSTALL LED LIGHT  
INTO LIGHTING JACKET**



## PARTS LIST

1. AIR Awning
2. Side panels (left and right side)
3. Front skirt
4. Front doors (left and right side)
5. Pegs and ladder bands x 32
6. Webbing Straps x 10
7. PE Groundsheet x 1
8. Repair Kit x 1

## ASSEMBLY

Try to choose a site that is relatively flat. Avoid sites where the land may flood or where water will run down. DO NOT pitch directly under trees. Pitching near a hedge or wall may provide shelter against wind. AVOID areas with heavy pollution and where crop spraying may be in progress.

1. Prepare ALL-ROAD OPUS® Camper as shown in the [set-up](#) section.
2. Inflate the OPUS main tent to head height and stop the pump.



**INFLATE TENT TO HEAD HEIGHT**



**ZIP AWNING ONTO THE MAIN TENT**



**ENSURE ALL AWNING VALVES ARE CLOSED**

3. Remove AIR Awning from the carry/storage bag.
4. Ensure the ground is free of stones and other sharp objects. Unpack and spread the AIR awning on the ground.
5. Slide the zip on the back of the AIR awning onto the zip on the front of the AIR tent. The zip is located under the flap above the front door.
6. Temporarily peg the 4 corners of the flysheet in line with your OPUS® tent. You may need to re-peg these at a later stage.
7. Ensure the AIR tent and AIR awning are totally connected.
8. Inflate the OPUS main tent
9. Ensure all external AIR valves are closed to allow for inflation and ensure all internal valves are open.
10. Locate the awning extension hose and connect to the existing hose inside the OPUS.

11. Locate the white inflator valve on the awning and insert the awning extension hose into the inflator valve and press the button to activate the pump.
12. The AIR awning will inflate, ensure that no air beams are twisted during inflation. The pump will automatically switch off when the pressure has reached 7psi.
13. Close all internal valves. We recommend you keep all valves closed whilst product is in use.



**9.**  
**LOCATE EXTENSION  
HOSE**

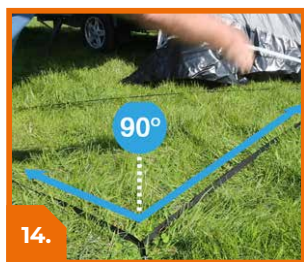


**10.**  
**PLACE HOSE INTO  
WHITE INFLATOR VALVE**



**13.**  
**CLIP IN GUIDE STRAPS**

14. Clip in the two guide straps from the front left and right hand side air beams into rear beams.
15. Peg out the guide straps creating a 90 degree angle between the front and rear beams.
16. Zip in the 2 x side panels and the 2 x front doors.



**14.**  
**PEG OUT GUIDE STRAPS  
AT A 90° ANGLE**



**16.**  
**CROSS PEGGING FOR  
DOORWAYS & ENTRANCES**



**19.**  
**INSTALLED  
GROUNDSHEET**

17. Peg out the storm straps and guy lines. Start with rear corners then peg the front corners, ensuring that there is no slack material between the four corners. Peg the remaining pegging points, cross pegging the doorways and entrances. Adjust the guy lines and storm straps as necessary.
18. Locate the front skirt and zip into the front of the OPUS main tent and peg out.
19. Attach the velcro sections of awning to the side of the main tent and front skirt,
20. Your AIR awning includes a groundsheet which may be used by carefully matching its Velcro to the relevant Velcro on the awning flysheet and the AIR tent skirt.
21. If required attach inner tents to internal fixings at both ends of the awning. The

fixings are colour coded.

22. There are zipped PVC pockets for the use of LED light strips (optional extra) within some of your AIR awning roof beams.

## PACK DOWN



**PLEASE ENSURE BOTH AIR TENT AND AIR AWNING ARE COMPLETELY DRY BEFORE TAKING THEM DOWN AND PACKING THE UNIT AWAY.**

1. Open all internal valves.
2. Open all external valves.
3. Undo the Velcro patches attaching the AIR tent and the AIR awning. Then unzip the AIR awning from the front zip located on the AIR tent.
4. Carefully fold the AIR awning canvas and place it back into carry/storage bags.

**IMPORTANT! PLEASE READ THE SECTIONS WITH INFORMATION ON WEATHERING, TECHNOLOGY, INFLATION, DEFLATION, SAFETY, ALTERATIONS AND WARRANTY.**

**ALL TEXT APPLIES TO THE AIR AWNING AS WELL AS THE OPUS® TENT.**



# AIR WINDBREAKS.

Optional extras - OFC195C-190  
OFC195C-191

## PARTS LIST - AIR WINDREAK SET

- |                             |                    |
|-----------------------------|--------------------|
| 1. Small Panel (1200mm) x 2 | 4. Guy Straps x 16 |
| 2. Large Panel (2400mm) x 2 | 5. Hand Pump       |
| 3. Pegs x 24                |                    |

## PARTS LIST - AIR WINDBREAK LARGE PANEL

- |                             |                   |
|-----------------------------|-------------------|
| 1. Large Panel (2400mm) x 1 | 3. Guy Straps x 4 |
| 2. Pegs x 6                 |                   |

## ASSEMBLY

1. Remove Air Windbreak from the carry/storage bag.
2. Ensure the ground is free of stones and other sharp objects. Unpack and spread the respective panels on the ground ensuring they are not twisted.
3. Locate and connect up your OPUS extension hose, attach this to the inflation point on the a windbreak panel. Alternatively, connect up the supplied hand pump for inflation.
4. Proceed to inflate/pump up each windbreak panel independently to 7PSI, ensuring not to over inflate.
5. Once inflated, be sure to screw on the caps of each inflation point, being careful to avoid over-tightening.

**DO NOT ATTEMPT TO TIGHTEN VALVES USING THE SUPPLIED VALVE WRENCH. THIS WRENCH IS INCLUDED TO AID IN LOOSENING VALVES ONLY.**



**3.**  
CONNECT EXTENSION HOSE  
OR PUMP



**6.**  
APPLY LIGHT PRESSURE TO  
CORRECT SHAPE



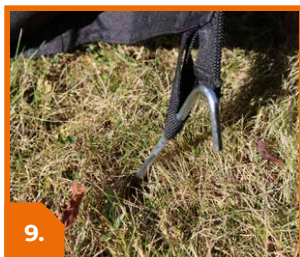
**7.**  
ZIP PANELS TOGETHER  
AS DESIRED

6. At this stage, check the shape of each panel, if when stood up the panel bends slightly, correct by laying flat and applying a small amount of pressure in the relevant areas to straighten.

7. With the panels inflated, arrange them in the desired order and zip the relevant ends to one another.
8. Once zipped together the panels can be stood up and arranged as desired.
9. Once located correctly, proceed to peg down each panel via the fabric loops at either bottom corner.
10. Where necessary, clip in guy straps and peg down to ensure stability of the panels, particularly in high winds.
11. Arrangements of panels can be manipulated, added to and relocated in any way desired. Additional large panels are available for purchase.



*ARRANGE PANELS  
AS REQUIRED*



*PEG DOWN THE ENDS  
OF EACH PANEL*



*CLIP IN GUY STRAPS FOR  
ADDITIONAL SUPPORT*



## PARTS LIST - AIR GAZEBO

- |                                  |                      |
|----------------------------------|----------------------|
| 1. OPUS AIR Gazebo               | 4. Door zip-in panel |
| 2. Clear window zip-in panel x 2 | 5. Pegs x 20         |
| 3. Solid zip-in panel            | 6. Guy Straps x 16   |

## ASSEMBLY

1. Remove the OPUS Air Gazebo (OAG) from storage bag.
2. Ensure the area you intend to use is free of stones and other sharp objects.
3. Locate both air valves on the legs of the Gazebo and close the air valves.
4. Locate and connect your OPUS Air extension hose (OFC195B-102D) to the Air Pump hose within your OPUS Camper, unscrew and remove the inflation cap on one of the air valves and attach the extension hose to the Gazebo.
5. Press the inflation button in The OPUS to inflate the OAG - The air pump will automatically cut out when the OAG is up to pressure (8psi) (note: inflation can also be completed with the OPUS hand pump. (OFC195B-195E) so that the Gazebo can be used in isolation/away from your OPUS Camper.
6. Remove the hose and re-tighten square valve cap to provide a tight seal after inflation.
7. Position the OAG in your chosen area.
8. The 4 included wall panels (2 clear windows, 1 door and 1 solid panel) can be attached in whichever configuration you prefer by zipping the panel into the space between the legs. The panel zips run from the base of one leg to another.
9. Connect the spacing straps on each leg of the OAG to the opposite leg. Do this with all 4 straps and ensure that they're all taut before proceeding.
10. With the position confirmed and the wall panels attached connect the 3 x ladder bands to the 3 x ladderband clips on one of the OAG legs



**5.**  
CONNECT THE AIR  
EXTENSION HOSE TO INFLATE



**8.**  
PANELS CAN BE ADDED TO  
SUIT YOUR CAMP SET-UP



**9.**  
ENSURE SPACING  
STRAPS ARE TAUT

11. Secure the OASC legs to the ground by using the included tent pegs to secure the ladder bands into the ground
12. Repeat for the remaining 3 legs
13. Peg out the guy ropes and where necessary, clip in guy straps and peg out to increase the stability of the OAG.
14. The OAG comes with a waterproof ground sheet. The ground sheet has a black clip on each corner. There are corresponding clips on each leg of the OAG to quickly and easily fix the groundsheet into place.
15. You can also expand your Gazebo with modular compatible accessories – it is possible to attach the Air Windbreak Panels (OFC195C-190) directly to the OPUS Air Gazebo – the Air Windbreak Panels can then be added to your Side Skirts or Air Sun Canopy.

## **PACK DOWN**

1. Unclip the ground sheet (if fitted)
2. Unzip, remove and fold any attached wall panels or accessories.
3. Remove all guy straps and pegs.
4. Open the two inflation/deflation valves to allow air to escape from the Air Beams.
5. Fold down the gazebo and place back into storage bag along with wall panels.



# ROOF LOAD CARRYING.

Roof bars can be fitted to your OPUS® Camper to take advantage of the load carrying platform. Roof bars can be purchased directly from OPUS® Camper as an optional extra, along with bike and kayak carriers.

The roof bars used require clamp on feet which grip onto the rails fitted on the roof lid ribs.



*ROOF BAR FEET, CLAMP OVER THE GRIP RAILS FITTED ON THE ROOF LID RIBS.*

**THE ROOF PANELS ON THE OPUS® ARE NOT WEIGHT-BEARING. DO NOT PLACE ANY ITEMS/WEIGHT ON THE ROOF PANELS AS THIS COULD CAUSE DAMAGE TO THE ROOF.**



Check the sealants on the roof panels to ensure there has been no separation of the sealant to the panel or the frame of the Camper; this is important to prevent water ingress into the Camper and keep the roof water tight, to maintain this feature DO NOT stand on the panels of the OPUS®.

Up to 2 sets/pairs of roof bars may be fitted on the Camper (1 set on each roof lid) for the lids to carry loads independently. If required or preferred a pair may be fitted across both lids (1 piece of roof bar on each lid) to keep the load on the Camper more central. This may be needed to keep/maintain the proper loading of the Camper. If the roof bars are fitted across both lids be aware if bicycle carriers etc are fitted these will need to be removed before the OPUS® can be set up.

**DO NOT OVER TIGHTEN ROOF BARS, BIKE CARRIERS OR ANY ACCESSORIES USED ON THE ROOF BARS TO AVOID DAMAGE.**

Each roof half (bed tray lid) should NEVER be subjected to a load more than 100kg - including the weight of the roof bars & fittings. It may be desirable to have the load(s) spread across both roof lids depending on the requirements - as shown in the left image above.



ROOF BARS ACROSS BOTH LIDS (1 SET)



ROOF BARS ON EITHER/BOTH LIDS (1/2 SETS)

**MOST ROOF BARS ARE NOT DESIGNED TO CARRY ANY WEIGHT ABOVE 75KG. THIS EFFECTIVELY BECOMES THE 'LOAD CAPACITY CEILING' FOR ANYTHING TO BE CARRIED ON ROOF BARS.**

Loads on the roof must be loaded and secured appropriately; The MTPLM (1050kg) of the Camper MUST NEVER be exceeded, this includes the weight of the Camper and everything inside and on it.

Ensure the trailer has the proper weight and balance and the nose weight is between 50-75kg and within the capacity of the towing vehicle.

If a roof box is to be used, it may be desirable to have this on the 'rear lid' to negate the need of removing it for every setup (front lid would cause issue with gas locker box). Ensure the load is within the limits and does not upset the weight and balance of the Camper to avoid adverse handling effects.

Refer to the loading illustration in the Sensible Loading Section for distribution of loads - Page 7/8

The bicycle/kayak carriers can be used in the following configurations:

1 set of roof bars can hold:

- Up to 3 bicycle carriers
- 1 kayak carrier and up to 2 bicycle carriers
- 2 kayak carriers

2 sets of roof bars can hold:

- Up to 6 bicycle carriers
- 1 kayak carrier and up to 4 bicycle carriers
- 2 kayak carriers

**IF TOWING WITH ROOF BARS FITTED, IT IS ESSENTIAL THAT THE LOAD CARRYING ROOF COVER IS EMPLOYED (IT CAN REMAIN IN SITU FOR THE LENGTH OF YOUR STAY, COURTESY OF A VELCRO CENTRE SEAM, ALLOWING THE LIDS TO OPEN). FAILURE TO ADOPT THIS COULD RESULT IN SIGNIFICANT WATER INGRESS IF THE SEAL HAS BEEN IMPINGED IN PACK DOWN (OR HAS BEEN COMPROMISED OR TORN AS A RESULT OF NORMAL USE). THE STANDARD ROOF COVER SHOULD BE REFITTED AFTER YOUR TRIP ONCE THE OPUS® HAS BEEN INSPECTED FOR STORAGE.**

# STORAGE & MAINTENANCE.

## STORAGE

**THE OPUS® CAMPER MUST NOT BE STORED WITH A WET OR DAMP INTERIOR. IF PACK DOWN WAS UNAVOIDABLE IN WET OR DAMP CONDITIONS, THE CAMPER MUST BE OPENED UP WITHIN 24 HOURS AND FULLY LEFT TO DRY INTERNALLY AND EXTERNALLY (TENT) BEFORE BEING REPACKED (PLEASE ENSURE THIS INCLUDES UNDER THE WINDOWS) AND STORED UNDER THE ROOF COVER PROVIDED. PLEASE ALSO CONSIDER YOUR AWNING/CANOPY CANVAS.**

**IF THE OPUS® IS ERECTED FOR LONG PERIODS, PLEASE INSPECT REGULARLY FOR SIGNS OF WATER INGRESSION AND THE EFFECTS OF DAMP. REFER TO 'CARING FOR YOUR CANVAS' WITHIN THE USER MANUAL.**

If you have an awning, it can also be stored in the trailer. To do this, ensure it is packed and stored properly. DO NOT store a wet/damp awning inside the Camper. If your payload/packing prohibits the awning pieces to be stored together, fold the individual pieces and store neatly in with the units maximising the use of space.

The front edge of the roof cover fits into an aluminium awning channel on the front panel of the Camper. This provides a secure fitment and MUST be attached in this manner when using the cover in transit.

**THE ROOF COVER MUST BE USED WHENEVER YOU ARE NOT USING YOUR OPUS®. DO NOT USE THE LOAD CARRYING COVER FOR PROLONGED STORAGE NOR THE STORAGE COVER WHICH IS DUST PROOF ONLY.**

**IF YOUR OPUS® HAS BEEN STORED OR TRANSPORTED IN HEAVY WEATHER CONDITIONS WITHOUT THE ROOF COVER, IT NEEDS TO BE OPENED AND INSPECTED FOR WATER INGRESS AS SOON AS POSSIBLE. THIS IS TO ENSURE THE SEALS WERE CORRECTLY SEATED DURING THE PACK-DOWN AND THAT THEY HAVE NOT BEEN DAMAGED WITH TIME.**

The larger storage cover (optional extra) is advised for an extended period of storage outdoors to keep your camper in pristine condition. Please note this is NOT WATERPROOF and must be used in conjunction with the full roof cover only.

It is strongly advised you clean off dirt and grime on the unit from travelling/terrain to keep your Camper in good condition and maximise its longevity.

If a leisure battery is fitted, please ensure it is charged immediately after use and for the required period. Do not leave the battery stored in a partly discharged state for longer than 48 hours. Charging the night before use is not a recommended principal.

Ensure the water and waste carriers are emptied after each use and contain no liquids if being stored.

## RETURN TO THE ROAD

Ensure that your Camper and accessories are fit for the road and you adhere to all local laws.

Check the wheels and tyres and ensure they are in good condition with the bolts correctly torqued. Check the tyre pressures before driving - 44 PSI / 3 BAR

Check the lights and fittings and ensure they are functioning correctly.

The chassis/running gear and the gas installation of your OPUS® Camper should be checked on an annual basis by a qualified service centre see - [www.approvedworkshops.co.uk](http://www.approvedworkshops.co.uk)

The applicable manual is titled 'Knott Maintenance and Operational Instructions - Light Trailer range 550kg-3500kg'

## INFLATABLE TECHNOLOGY

The technology used in your ALL-ROAD OPUS® comprises of inflatable bladders, retained within a specially constructed grey tube which is held in position with a retaining sleeve within the tent/flysheet. The zips on the grey sleeves are fastened with a fabric tie and should only be untied if you need to replace or repair a bladder. If you remove the ties fastening the zips, please ensure you secure the zips with the ties, in a closed position before re-inflation.

**UNDER NO CIRCUMSTANCES REMOVE FASTENING TIES AND UNFASTEN ZIPS WHILE BLADDERS ARE INFLATED. FAILURE TO FOLLOW THIS INSTRUCTION WILL RESULT IN BLADDER FAILURE.**

Please note that it may be necessary to monitor the AIR pressure in your AIR tubes from time to time, especially if the weather is fluctuating or the temperature is higher than average or colder than average.

Hot Weather - when the outside temperature rises it is probable that the pressure in the AIR tubes may increase and it will therefore be necessary to monitor the AIR tubes and release AIR using the external valves as required.

Cold Weather - a drop of pressure should not be considered a leak or puncture until further investigated. When the outside temperature drops it is probable that the pressure in the AIR tubes may decrease and it may therefore be necessary to monitor the AIR tubes and top up the AIR pressure as necessary.

A repair kit is enclosed with your AIR tent and includes an emergency repair patch for repair of small holes in your bladder.

## WEATHERING FABRIC

Your OPUS® Tent has been manufactured using a polyester/cotton fabric. Before a polyester/cotton canvas is used for the first time, it is important that the tent is

weathered. Inflate the AIR tent following the inflation instructions when rain is expected. When the cotton becomes wet for the first time, the weave of the cotton will close. There is no predetermined time for weathering so please do not be surprised/concerned if there is a small amount of leakage through the canvas and seams the first few times it rains.

Your OPUS® Tent is made from the best available materials. On first examination, you may find some slight variances in colour, thick threads, pigment stains and changes due to the weather and the environment. These are all normal and will not affect the performance of the product and are not faults or errors.

When your ALL-ROAD OPUS® is not inflated, the window material may pick up some impressions from zips, tape, seams etc. This is quite normal and some of these impressions will disappear over time but some may remain. This is not a fault.

Please ensure your AIR tent is only packed away when completely dry. A wet/damp canvas will develop mildew/mould very quickly and damage your canvas permanently.

The inside and outside of your AIR tent can be cleaned but only with fresh clean water and a damp cloth. UNDER NO CIRCUMSTANCES MUST DETERGENTS OR CHEMICAL CLEANERS be used as these will damage your tent.

You may also experience, depending on the weather and use, condensation. This should not be confused with leakage. To reduce the risks of condensation, please ensure your ALL-ROAD OPUS® is adequately ventilated. Please note that under certain conditions, all tents will suffer from internal condensation depending on atmospheric conditions, the weather, the amount of moisture in the air/ground, evening and night time temperatures etc. Condensation can be quite severe causing a film of water on the inside of your tent (roof and sides) which may drip onto items in your ALL-ROAD OPUS® and in severe conditions can leave puddles of water.

Zips should be treated with care, use two hands when closing and opening and do not step on them during set up or take down. Never force a zip. If a zip opening is tight it is more than likely due to the fact that your awning is not pitched correctly. Candle wax may be used to help a zip run more smoothly.

Please remember that your AIR tent is a temporary structure made from natural fibres. Please note that in fibre products used in outdoor applications, product life may be low because of attack from UV or acid rain. Discolouration of the fabric may be an early indication that your tent has been attacked. To limit damage by UV, where ever possible, please site your ALL-ROAD OPUS® in a shaded area avoiding direct sunlight. Please be aware that continuous exposure is a more serious problem than intermittent exposure, since UV attack is dependent on the extent and degree of exposure. Fabrics can be weakened by prolonged exposure to sunlight and use for extended periods in strong sunlight will soon cause deterioration. UV degradation is not covered under the ALL-ROAD OPUS® warranty. The warranty does not cover air tents used permanently or for display purposes.

## WEATHERING OF SPECIAL THREAD USED FOR SEWING

Your OPUS® tent has been manufactured using a special thread which expands and swells to close the holes made when stitching the product. The thread swells and

expands when wet. It may take a few times for the holes to completely close.

## CARING FOR YOUR CANVAS

The tent of your OPUS® is made from poly-cotton, a canvas type material. This has many benefits as it is breathable and results in a cooler interior in warm/hot weather and a warmer interior when in use in cooler weather conditions.

In order for the OPUS® to give you years of camping pleasure, the tent section needs to be cared for and **MUST NOT** be left wet/damp when packed away.

It is, of course unavoidable at times that you will have to pack down your OPUS® when the canvas is wet. It is very important that the OPUS® is opened up to dry off as soon as possible and should be done within 24 hours.

It is possible, due to the nature of the canvas that there may be a small amount of water ingress during the first few uses in wet weather; this is normal as the tent goes through 'weathering' or 'conditioning'. If this persists, please notify us as soon as possible. Please refer to 'Water Ingress' under [troubleshooting](#).

- Except for the supplied gas hob, do not use an open flame or gas appliance inside the OPUS® and do not subject the tent to fire.
- Maintain adequate ventilation in the Camper at all times, especially when sleeping.
- Allow condensation to clear and dry before packing/storing the Camper.
- Regularly check the seams of the tent and if required apply some seam sealer such as Kampa Seam Sealer or [suitable alternative](#). Follow the products instructions and allow to fully dry before packing.
- Regularly check the velcro straps and seams, along with the clips on the inner tents.
- Never force the zips of the tent to open or close; inspect for any issues and rectify as necessary.
- Ensure the zips are used and cared for properly, if needed a zip lubricant can be used to allow for smooth operation.
- Regularly inspect the tent for holes, rips/tears and damages and have a suitable tent repair kit for use in emergencies.
- Ensure the awning beading is situated centrally and within the awning channel rails before fully tensioning the Camper tent.
- Always zip up the tent door before tensioning to ensure the tent is tensioned with all the sections situated correctly and to avoid tears.
- Take care when setting up and packing down the Camper to ensure the tent, and the awning beading is not caught or snagged, should this occur retrace the steps and retry making sure the issue is rectified.
- Should a rip/tear occur assess the damage before taking action, if unsure contact us on 01473 601200 for advice. Small rips/tears can be repaired using the appropriate repair kit and procedure and may not require a professional or return

to us for repair; should the damage be significant or exceed your capacity please contact us.

- Clean the tent with warm water and a soft sponge (without a scourer), this may require complete set up of the Camper (fully tensioning of the tent) depending on the location/severity of the stain; allow the tent to completely dry before packing.
- Do not use washing up liquid, detergent or anything stronger as this could adversely affect the tent or result in some damage.
- The tent is NOT machine washable.
- For further cleaning and reproofing information please read 'Specialist Products For Your OPUS® Canvas' below - The same products that are also recommended for your Sun Canopy and Full Awning (optional extras).
- Always extend and retract the Camper poles evenly in increments to prevent damage to the tent.
- Do NOT over tension the tent canvas.
- Tent canvas tension can be checked using the tent/awning beading flap; when tensioned this will be taut but not tight.
- AVOID sharp objects near the tent canvas; sharp/pointed objects and poles should be stored on the floor away from the tent to avoid damage.
- When the Camper is packed ensure nothing is sticking out and a proper seal is achieved around the periphery and the centre (seal to seal contact).

## SPECIALIST CANVAS PRODUCTS

1. Kampa Seam Sealer
2. Grangers Fabsil Waterproofer
3. Fenwicks Cleaner for Awning and Tents
4. Zip Lubricant



## EXTERNAL CARE

- Inspect the outside panels of your OPUS® including the roof (bed lids) for any damages and cracks.
- Inspect the sealant around the panels to verify that there is adequate bonding around the body panels and exterior features such as the battery box. This is especially important after an impact/accident to the Camper to ensure the integrity of the body's resistance to water ingress.
- Regularly check the seals (centre and perimeter) of the Camper, to ensure there has been no damage. Some minor tears may occur at the ends of the centre seals. These will not worsen with usage and do not compromise the ability of the OPUS® to prevent ingress. Ensure the Camper is packed properly to seal the Camper and prevent water ingress.
- Keep the body and the roof of the Camper clean, it is best to clean any mud and

dirt off the Camper immediately after every journey to maintain the clean finish of the Camper.

- Prolonged exposure to mud, dirt and salt may deteriorate the finish of the Camper.
- The body of the Camper can be washed with soap and water using a soft sponge, rinse-off the Camper thoroughly after washing.
- A damp cloth may be preferred especially for small spots and dirt.
- Specialist products such as Care-avan Waterless Wash & Shine may be used where/when adequate water is not readily available. Read and follow the instructions carefully and it is advisable to try any product to be used on the Camper on a small inconspicuous spot to ensure/verify it is suitable before full use.
- For storage, the roof cover must be used at all times (and in conjunction with the storage cover if supplied) to prevent ingress and to keep the body clean.
- Any form of damage or scratch to the paint work or finish of the Camper on the body may be repaired or cleaned by using a suitable 'touch up' stick/paint. Contact OPUS® Camper directly for further information.
- If your Camper has been Vinyl Wrapped to a custom colour care must be taken to prevent peeling of the wrap if a scratch or tear has occurred on the body panel.
- Caring for the roof cover is important; ensure the awning beading at the front is inserted properly without snagging the material. A suitable lubricant can be used to aid this. Pull the front corners over the body and repeat at the back, the roof cover should have a snug fit without stress at any of the corners. Secure the cover using the bungees on the button cleats attached to the side and rear body panels around the Camper.
- The button cleats are primarily for the tent and NOT all are required to secure the roof cover.
- The roof cover MUST be fitted whenever the Camper is not in use/in storage.
- The cover may be left on when the Camper is set up; it simply needs to be folded/rolled neatly towards the front of the Camper and laid on the gas/storage locker.

## INTERNAL CARE

- All units in the Camper should be kept clean for maximum longevity; stains can be wiped off with a small cloth. A damp cloth may be all that is required to remove most stains.
- Wipe off any spills and water residue on the units as soon as they occur to prevent damage to them or other features of the Camper such as the electrics.
- AVOID using abrasives including sponge scourers to clean the units as these may cause scratches and issues with the finish of the units.

**ENSURE THE COOKER/HOB UNIT HAS COOLED COMPLETELY BEFORE ATTEMPTING TO CLEAN.**

- AVOID placing hot objects/containers (cups/saucepans etc.) on the units directly;



use a suitable mat/cover to prevent marking the surfaces of the units.

- When packing down the Camper, pack the units with adequate protection/padding (especially the middle shelves and table top) and avoid a layout which may encourage sliding of the units and shelves whilst in transit as this may result in issues with the finish.
- The cushions inside your OPUS® Camper are durable and simply require proper care and use.
- Clean off stains and dirt on the cushions as soon as they occur, this can easily be done using a damp cloth. Avoid soaking the cushions or prolonged exposure to water and ensure it is thoroughly dry before packing the Camper.
- Vacuum the cushions (and the trailer) regularly or as often as needed depending on level of use. Pay extra attention to the trims as these may contain some dirt or undesirable items.
- AVOID stepping on the cushions with shoes or placing dirty items on them.

Depending on the optional accessories fitted to your OPUS® you will find all relevant paperwork/manuals for these in the middle drawer of the kitchen area. Please read all of the relevant information within these user manuals to ensure correct usage.

## **PREVENTION OF COLOUR TRANSFER**

The OPUS® interior now contains a mix of technical fabrics of contrasting colour. Some of the darker fabrics are dyed and consequently this could transfer on to lighter fabric. The likelihood of this is increased when the OPUS® is packed down, and materials are hard pressed against one another for long periods at differing temperatures.

To avoid the possibility of colour-transfer, our recommendations would be as follows:

Turn the dark cushions upside down, exposing the felt backing to the tent (there is no conflict between the colour-fast felt material and the tent material). This will help separate contact between the dark grey cushion tops and the tent, but you may wish to protect the cushion surfaces from the cupboard hinges by laying a suitable material between the two items.

Alternatively, A light-coloured, colour-fast material (such as a sofa throw or blanket) could be used to cover the cushion tops, before packing down.

Should colour transfer from dark to light material, we wish to reassure you that it will not affect the longevity or functionality of the material, but we appreciate the appearance is less than desirable and best avoided if possible.

## **SPARE WHEEL & CARRIER**

Optional extra

If you have the Spare Wheel and Carrier fitted (optional extra) ensure it is fit for use.

It is secured by a 19mm hex bolt which can be loosened using a standard wheel wrench.



LOCATION OF SPARE WHEEL

**YOU MUST ENSURE THE SPARE WHEEL CARRIER BOLT IS FULLY TIGHTENED TO A TORQUE SETTING OF 55Nm. ENSURE THE SPARE WHEEL PRESSURE IS CHECKED REGULARLY.**

**THE CORRECT PRESSURE IS 44 PSI or 3 BAR.**

## CONDENSATION

Condensation needs to be considered in both the OPUS Camper and Full Awning (optional extra).

Condensation is caused by warm, moist air coming into contact with cold surfaces. Condensation can occur inside most tents and awnings, which may sometimes be misinterpreted as the fabric leaking.

There is always moisture in the air when you pitch a waterproof fabric above damp ground; however the situation is made worse by adding people who are breathing out warm water vapour. When the warm moist air inside comes into contact with the fabric of the OPUS Camper tent or the awning material, which is cooled by the outside air, condensation forms.

During rain more condensation can form due to lower outside temperature and drops can form and run down seams or fall on internal poles, giving the appearance of a leak.

There are a few main causes of condensation:

- Ground moisture rising inside your awning. Your breath - when sleeping at night you will exhale approximately 1 litre of water. This water vapour is trapped within your OPUS®/Full Awning - this will escape through opening windows, doors or vents.
- Storing damp or wet clothes.
- Cooking by gas - 0.5 hours of cooking can produce 0.5l of water.

It is natural for the body to perspire (sweat) during the night; please ensure the Camper is WELL VENTILATED to avoid excessive condensation which could result in issues such as mould or damp if adequate care is not taken.

After a night's sleep please INSPECT AND FLIP the mattress to ensure no condensation is present and the mattress is properly aired.

**Suggestions below of tips & products that could help combat condensation.**

Products:

- Vent-Air or any condensation preventing mesh matting
- Unibond Aero 360 moisture absorber
- Portable Dehumidifiers

Tips:

- Store wet items outside.
- Ventilate the tent - open windows wherever possible
- Refrain from touching the sides of the tent - pressure applied to canvas walls will promote water to seep through.
- Pitch in a spot with a natural breeze.
- Turn heater off when not required - contrary to what people may think, this won't help dry out condensation as warm air can support more moisture.
- Pitch away from water - humidity is always higher around rivers, lakes and ponds.

## VENTILATION

Ventilation is more important than is generally realised - your OPUS® Camper/ Full Awning has several windows/vents that can be opened to help increase air ventilation. An increase in ventilation will result in a decrease of condensation.

**The chassis/running gear and the gas installation of your OPUS® Camper should be checked on an annual basis by a qualified service centre see - [www.approvedworkshops.co.uk](http://www.approvedworkshops.co.uk)**

## LEGIONELLA AND BACTERIA

To help prevent the build-up of water-borne bacteria, we recommend the following:

**Reduction of water storage:** Reduce the amount of stored water by emptying or purging water pipes and tanks after usage. Allow accessible pipes and tanks to dry out in the open.

**Taps and Showerhead descaling and disinfection:** Legionnaires' disease is normally contracted by inhaling tiny, airborne droplets (aerosol) of legionella bacteria. Taps and Showers are a notorious source of aerosol, therefore the hose, inserts and heads must be dismantled, cleaned, flushed, descaled and disinfected on a quarterly basis using a product such as Puri Sol or similar.

The build-up of limescale within a hot water is a common cause of systems not working efficiently. It can result in both a reduction of water flow and poor temperature control. Chemical cleaning can remove limescale which both reduces the risk of legionella using a product such as D Scale or similar.

# TROUBLESHOOTING.

## ELECTRICS

### RUNNING LIGHTS

If you are experiencing any problems with the running lights:

- Inspect the Camper's cable to the towing vehicle and ensure there has been no split, rips, damage to the connector or anything unusual.
- Check the towing vehicle for the trailer lights fuse to verify it hasn't blown.
- Check that the bulb on the light is not blown; it is unusual/highly improbable for more than one bulb to blow if there are no other issues with the wiring. Therefore a blown bulb should be fairly obvious as it is well isolated.

If the lights are blinking too fast or erratically or not turning on at all (this might be encountered if you change your towing vehicle):

- Rapid blinking may occur if the towing vehicle senses the low resistance of the LED lights used in the Camper and interprets this for a blown bulb; a resistor may be all that is required to put the 'expected load' on the towing vehicle's electrics.
- Recent advancement in vehicle technology requires some vehicles CAN Bus to be recoded when tow bar and tow electrics are fitted; check with your tow bar fitter to see if your vehicle requires this.

Symptoms:

OPUS® Lights flashing/OPUS® lights flickering/OPUS lights not working at all

Troubleshooting:

Ensure that the 13pin connector on your vehicle is functioning correctly, this can be tested either at your local main dealer or by connecting another trailer if available to see if the issue persists.

Plug-in Smart Load Relay may be required\*

\*The towing vehicle CAN Bus system continually sends pulses to the towing sockets to detect the presence of a trailer. This is fine with conventional bulb lighting, but depending on the sensitivity of the CAN BUS system of the towing vehicle it may not detect the modern LED lighting used on the OPUS. This is because LED bulbs draw very little current (which is why they are so efficient). This means that some vehicles cannot sense that the OPUS is connected. The solution is to simulate the current draw of conventional bulb lighting so the towing vehicle recognises the fact it is actually hitched up the OPUS.

### HEATER

The heater will only operate on 240v/mains power supply. If the heater is not turning on, check the safety switch underneath the seat - below cushion 1 (Page 16). If the switch is on and the heater is still not functioning its fuse might be blown. The heater only needs to be turned on for a short time to warm up the inside of the Camper when required and should be switched off afterwards, the Camper's insulating properties will maintain this temperate condition. Never leave the heater on overnight, when sleeping, unattended or for a prolonged period of time.

**NEVER OBSTRUCT THE HEATER.**

## FRIDGE

The fridge runs off 'mains' electrics; the dedicated fridge 12v socket is available for use (with compatible tow vehicle electrics) simply to keep the fridge 'cool' during transit.

The fridge should not be used on gas inside the Camper or in an enclosed space.

## 12v & FUSES

If any of the 12v sockets are not working, the fuse for the 12v appliances may have blown, check and replace if necessary.

If a LED light or polarity sensitive appliance is not working on the 12v sockets but is functional then the polarity of the affected socket will need to be reversed. Please contact us on 01473 601200 for advice.

## MAINS SOCKETS & CIRCUIT BREAKER

If the mains sockets are not working check the circuit breaker underneath Seat 1 (Page 16) to see if the switch has been tripped, reset this if necessary.

If the circuit breaker was tripped by a fault/issue that has not been resolved (breaker will trip after reset) then this needs to be investigated further.

## SOCKETS AND EXTENSIONS

Extension sockets may be used on the 12v and 240v mains electric if required but must be of adequate rating for the required function/load to avoid an electric/fire hazard.

If an issue occurs on a socket or electric appliance using an extension then it may be overloaded.

AVOID daisy chains of extensions and check that the rating (total) of the appliances being used does not exceed the stated extension socket/Campers rating.

## BATTERY, RECHARGE & HOOK UP

The battery is recharged in transit if compatible electrics are used. If this is not the case or the Camper is being stored for a prolonged period of time then an alternative

charger should be used to keep the battery in a working condition.

The 12v electrics may not function properly or at all if there is insufficient charge in the battery, the battery charge can be monitored by the meter located on the main electric panel by the door of the Camper. Please refer to Page 21 for more information.

Please note the green LED light on this panel is only shown when connected to a main supply, normally when the battery is being charged.

## **AIR TENT/CANVAS**

### **PARTIAL TENT DEFLATION**

Please ensure you have not left the inlet house in the white master valve. This must be removed and the cap replaced. Please ensure all external valves are fully closed. If the deflation persists, please listen for air loss at the internal bladder valves.

### **CHANGING AIR TUBE/BLADDER WHILST INFLATED**

It is recommended and advised within your instructions that when your OPUS® tent and awning are in use that all internal valves are closed. If this is the case then your faulty AIR tube/bladder will already be isolated and the impact of the faulty bladder will be minimal. Please check this is the case. If not please close all internal valves.

1. Disconnect the end of the tube which connects the faulty beams to the rest of the AIR system.
2. Unzip the flysheet retaining sleeve holding the grey tube and remove the grey tube from the sleeve.
3. Undo the ties holding the zips on the grey tube together and unfasten the zip.
4. Remove the bladder from the grey tube. When you remove the bladder, you will remove the bladder and the plastic tube and valve.
5. Take your replacement bladder (with connected valve and tube) and position it in the grey tube so that the valve and plastic tube line up with the relevant aperture in the grey tube.
6. Push the valve through the hole in the sleeve.
7. The bladder is longer than the grey tube and it is essential that you carefully and tightly roll the bladder at both ends and fit carefully into the grey tube. Rolling the bladder on both ends is essential for the bladder to function correctly. Failure to do this will result in the bladder splitting at the ends and bladder failure.
8. Once this has been done, fasten the zips carefully on the grey tube making sure you don't catch the bladder in the zip and secure the fastening ties.
9. Put the grey tube back into the flysheet retaining sleeve.

10. Connect the tube (previously disconnected faulty bladder and tube) to the rest of the AIR system - connect the tube into the black valve. This may take a short while of pushing and manoeuvring. Please ensure inserted fully into the black valve otherwise the AIR system will not work.

## CHANGING AIR TUBE/BLADDER WHILST DEFLATED

1. Carefully locate the faulty beam taking care not to damage zips and other components on your AIR tent.
2. Disconnect the end of the tube which connects the faulty beams to the rest of the AIR system.
3. Unzip the flysheet retaining sleeve holding the grey tube and remove the grey tube from the sleeve.
4. Undo the ties holding the zips on the grey tube together and unfasten the zip.
5. Remove the bladder from the grey tube. When you remove the bladder, you will remove the bladder and the plastic tube and valve.
6. Take your replacement bladder (with connected valve and tube) and position it in the grey tube so that the valve and plastic tube line up with the aperture in the grey tube.
7. Push the valve and tube through the aperture in the sleeve.
8. The bladder is longer than the grey tube and it is essential that you carefully and tightly roll the bladder at both ends and fit carefully into the grey tube. Rolling the bladder is essential for the bladder to function correctly. Failure to do this will result in the bladder splitting at the ends and bladder failure.
9. Once this has been done, carefully fasten the zips on the grey tube ensuring that you don't catch the bladder in the zip and secure fastening ties.
10. Put the grey tube back into the flysheet retaining sleeve.
11. Connect the tube to the rest of the AIR system - connect the tube into the black valve. This may take a short while of pushing and manoeuvring. Please ensure inserted fully into the black valve otherwise the AIR system will not work.
12. Screw the cap on tightly, so it also holds the connecting tube.
13. If you are satisfied the replacement bladder has been inserted correctly and the tube is fully inserted into the valve then your ALL-ROAD OPUS® is ready for use.
14. Inflate your ALL-ROAD OPUS® as per the inflation instructions provided. If there are any issues with the replacement valve isolated it and ensure the bladder is inserted correct and that the tube is fully inserted into the valve (ensuring no AIR leakage is occurring).

## PUMP

- Pump not working
  - > Check that the 12v system of your ALL-ROAD OPUS® is turned on.
  - > Check 20A fuse (yellow) on the fuse panel in the unit under the fridge, replace if needed.
- Pump seems to cut out before tent is fully inflated
  - > Check that the pump pressure dial is set to the correct setting on 8PSI.
  - > Ensure that AIR poles are not folded, which would restrict AIR flow, on occasion they may need gentle assistance in popping up.
- The main tent is taking a longer time than usual to inflate
  - > Ensure that all external AIR release valves are in the closed position.
  - > Ensure that your ALL-ROAD OPUS® leisure battery is fully charged.
- The awning is taking a longer time than usual to inflate.
  - > Ensure that all AIR release valves are in the closed position.
  - > Ensure that your ALL-ROAD OPUS® leisure battery is fully charged.
  - > Ensure that the pump extension hose is fastened properly, as any AIR leaks will prevent the pump from reaching its correct pressure.

## AWNING RAIL

The awning rail is the anchor for the tent canvas to attach to the Camper's body; the awning beading should remain central on the awning rail.

If the tent gets caught or snagged on the awning rail, retrace the setup/pack down steps to guide the awning beading to prevent damage to the tent.

It is normal for the tent's awning beading to be able to move within the rail unless movement is hindered; DO NOT over tension the tent and NEVER force the tent to move along the rail, inspect for the hindrance and rectify before moving the tent's awning beading.

## RIPS & TEARS

Small holes, rips and tears can be rectified using a suitable tent repair kit or sealer. Always keep a kit with you in case of emergencies.

Larger damages may require the services of a professional, if in doubt or require any assistance please contact us on 01473 601200 for advice.

## STITCHES & VELCRO

AVOID putting strain on the wrap around velcro straps that retain the poles on the tent as this may damage the stitching on the tent and/or encourage water ingress through enlarged holes.

If damage to the stitching occurs, this needs to be repaired as soon as possible. For small damage use a fabric repair/sewing kit, otherwise seek a professional service or



contact us.

Once a damage has occurred or a repair have been done on the tent stitching, consider using a 'seam sealer' or an appropriate repair kit to seal any needle holes or stitching gaps and keep the tent waterproof.

## BUNGEEES & BUTTON CLEATS

The bungees of the tent are made of durable elastic and will last for a very long time if not overstretched or abused.

If damage occurs on the bungees then it can be replaced by using a suitable alternative; depending on the section damaged this may require stitching/sewing or a knot at the ends of the bungee to retain it in the tent.

## STAINS

Stubborn stains can be removed using specialist products such as Fenwicks cleaning for awnings and tents.

When using a new/unfamiliar product try it on a small inconspicuous area and only use when satisfied with the suitability and result of the product.

Depending on the location and extent of the stain, the Camper may need to be set up to clean the tent. The tent may need to be re-proofed after cleaning, see section on the following page.

## REPROOFING & SEAM SEALER

Reproofing is required as part of the maintenance of the tent to help restore its water runoff properties after prolonged used and exposure. Frequency of reproofing will depend on the use of the Camper.

Reproofing may also need to be done if some cleaning products have been used on the tent.

Areas to be mindful of are where tent panels are connected together or experience stresses i.e. stitches and seams. Grangers Fabsil Waterproofer or a suitable alternative may be used for this purpose.

## WATER INGRESS

If water ingress/leaks occurs which are not as result of condensation or incorrect pack down procedure then determine the location(s) and possible causes for the leak.

It is possible that minor leaks are due to the fact that the canvas has not been subjected to a weathering process. We selectively use Cotton Canvas on the OPUS® due to the materials superior durability and breathability. This means, as with all natural Cotton Canvas tents, the OPUS® has to go through a weathering process before all the cotton fibres in the weave will swell and nestle into each other. This may result in drops of water passing through the canvas on its first few uses in wet

conditions. The good news is those last few drips will go and you will be left with a perfectly waterproof tent and one that will give you years of good service if it is looked after.

If the leak is a result of holes, rips or tears (visible) damage then repair/address as described in the Rip & Tears section. Otherwise contact us or a professional for advice.

## **ZIPS**

If it is difficult to zip the awning to the tent or side skirts etc. examine the zip(s) for any damage or cause of obstructions. Never force the zip.

If the zips are different on the tent section to the awning section/side skirts then zip adapters may be required. Contact us on 01473 601200 for more information.

## **HOB UNIT**

If the hob is not functioning correctly:

- Check that the gas bottle is 'open' and that the hobs flexible hose is connected and switched on. When the gas hob has just been connected or a new gas bottle has just been fitted or turned on, it will take a while for the gas to flow to the burners. Keep the gas hob knob open whilst pressing the piezo igniter button, the gas will light up as soon as it exits the burner.
- If the hob doesn't ignite after a few tries of the step above; turn off the hob knob, valve and gas bottle and ensure there are no leaks or any other issues.
- If the steps above do not resolve the issue consider the amount of gas that may be in the gas bottle, it may be time for a refill.

DO NOT leave the gas flowing or the gas hob on if the burner is not in use.

Ensure the gas bottle is connected properly every time the gas bottle is changed.

Follow the manufacturers procedure/recommendations for any issues pertaining to the gas hob itself.

## **SINK UNIT/WATER SUPPLY**

If the water supply has been set up correctly then fresh water should flow out of the tap and waste water out of the external outlet respectively.

If water is not flowing out of the tap check the hoses and connections, next check the pump and switch and that the fresh water container has enough water and the pump is fully submerged.

The waste water hose of the sink unit should be connected to the provided aperture on the kitchen base unit, the outlet (on the exterior) of the Camper should also be opened to prevent blockage or back flow of water. The supplied convoluted hose should also be connected to the outlet and into a suitable container or drain.

## PUMP & FLOW

The pump should be submerged in a suitable container filled with water. NEVER run the pump dry.

The pump must be connected to the external socket, for it to function properly and supply water to the sinks tap.

The pump switch is located on the control panel by the door of the Camper and must be turned on for it to work. After initial turn on of the pump it may operate for a short while, this is normal and simply 'primes' the pump to readily supply water on demand.

Depending on location and flow of the water, if the flow of water is not as desired, the pressure may require adjustment. This can be adjusted via a rotary switch at the back of the pump socket which is accessible from the inside of the Camper (underneath the Kitchen base unit). Further information can be found [here](#).

## TYRES/WHEELS

If the wheel on your Camper has to be changed please remember to re-torque the bolts to the correct torque setting. For alloy wheels the correct setting is 130Nm and for steel wheels the correct setting is 88Nm.

You should check the pressure of your tyres regularly and before each journey with your OPUS®. The correct pressure is 44PSI or 3BAR. This is correct for tyres/wheels supplied with your OPUS® if you have modified the tyres/wheels please adhere to the recommendations of the tyre/wheel manufacturer.

If you have chosen the Spare Wheel and Carrier option this will always be supplied in the form of a steel wheel. Please note that if the spare wheel is required for use then the torque setting is less than that of the alloy wheels usually used on the OPUS®.

Tyres have a finite lifespan and when exceeded should be replaced regardless of how much tread is left.

# WARRANTY.

FOR WARRANTY AND AFTER SALES, PLEASE CONTACT YOUR SUPPLYING DEALER IN THE FIRST INSTANCE.

OPUS® guarantees the camper for leisure usage for 12 months from the date of collection. The AIR tube technology is covered for a period of 24 months from this date.

OPUS® will bear the costs of labour and parts (transportation excluded) on goods repaired under this warranty provided that:

- Faults are attributable to flaws or defects in materials or workmanship only.
- The directions in the owners manual have been thoroughly observed at all times.
- Unauthorised repairs have not been carried out.
- Items or Repairs not covered under this warranty include:
- Defects resulting from wear and tear through normal use.
- Defects resulting from misuse, accidental, storm or wilful damage.
- Damage resulting from improper storage or maintenance.
- Negligence or damage resulting from unauthorised repairs.
- Bladder damage including, but not limited to, over inflation, unnecessary release of the sealed zips on the black holding tubes etc. Please note that the inflatable bladders are subject to wear and tear and are a replaceable item.
- General wear and tear to flysheet and all components including but not limited to guy lines, storm straps, ladder pegging bands etc.
- Slubs within the fabric which are a natural characteristic.
- Damage caused by packing your tent/awning away wet including but not limited to colour transfer/dark coloured fabric transferring to lighter coloured fabric, mould etc.
- Damage caused by or as a result of extremes of weather including but not limited to storms, wind, cold etc.
- Moisture appearing on the inside of the flysheet caused by condensation including but not limited to weather conditions, insufficient ventilation etc.
- Leakage through seams due to excessive abrasion.
- Damage caused from misuse of the pump, including but not limited to tampering with the pump system, adjusting the pre set pressure of the pump etc.
- Leakage through seams including main seams where it has not been possible to apply seam sealant during the manufacturing process or where tape has peeled away, or where taping is broken during the manufacturing process because of the necessity to incorporate tie points, suspension points etc.

- Damage due to over-tensioning including but not limited to, damaged seams, zips, pegging points etc.
- Broken or damaged zips caused by undue force, jamming, incorrect pegging etc.
- Broken buckles/pegging points subjected to over tensioning/undue force etc.
- Damage sustained due to cooking inside or near the awning/tent.
- Damage caused by UV degradation or acid rain to the tent/awning and its components.
- Damage caused by jumping, bouncing, launching yourself onto or off any AIR tube or twisting, bending, wrenching or handling any AIR tube in any such manner which will inevitably cause damage.
- Products used on permanent sites, displays or commercial use by rental companies.
- Transportation or shipment costs to and from the manufacturer or their recognised agents/dealers for repair or assessment against a warranty claim.

### **THIS DOES NOT AFFECT YOUR STATUTORY RIGHTS.**

The manufacturer and/or their recognised agents/dealers, directors, employees or insurers will not be liable for consequential or other damages, losses or expenses in connection with or by reason of the inability to use the product for any purpose.

**Any claim(s) arising due to missing parts or faulty goods MUST be made before use. The manufacturer will not be responsible for any claims regarding missing parts or faulty items where the product has not been checked by the user prior to use.**

Once you have received authorisation, please return the OPUS® to your place of purchase for inspection. The cost of transportation is not covered under this warranty. In the event of the product being returned for assessment, it must be sent in a completely dry and clean condition. Please ensure all personal possessions are removed. Failure to do this will also deem the product unfit for inspection.

This warranty is not transferable.

Register your OPUS® warranty online within 14 days of collection at:  
[www.purpleline.co.uk/product-registration](http://www.purpleline.co.uk/product-registration)



**General Enquiries:**

[enquiries@opuscamper.co.uk](mailto:enquiries@opuscamper.co.uk)

**Marketing Enquiries:**

[marketing@opuscamper.co.uk](mailto:marketing@opuscamper.co.uk)

**Warranty Enquiries:**

[warranty@opuscamper.co.uk](mailto:warranty@opuscamper.co.uk)

**[www.opuscamper.co.uk](http://www.opuscamper.co.uk)**

**01473 601200**

OPUS® Terms & Conditions and Warranty information can be found online at:  
[www.opuscamper.co.uk/terms-conditions.html](http://www.opuscamper.co.uk/terms-conditions.html)

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