



Planet X Bike Box User Manual.

Thank you for buying a new Planet X Bike Box. Designed and assembled in the U.K. we've built these boxes to be lightweight, tough and versatile. All parts of the box are user replaceable, all fixings are threaded, and no pop-rivets are used in its construction.

Disclaimer: Planet X accepts no responsibility for any damage or loss arising from the use of this product. While the Planet X Bike Box is designed to protect your bicycle from typical baggage handling by absorbing impacts and shock loads it cannot guarantee to protect your bike in all circumstances.

Box Contents:

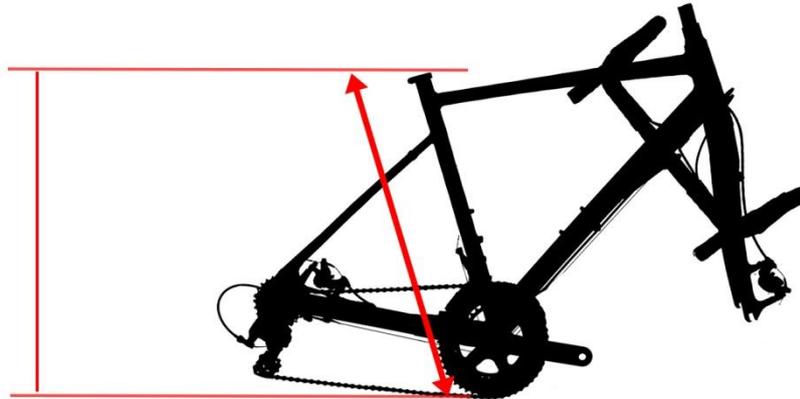
One complete Planet X Bike Box includes eight Velcro frame and wheel fixing straps, removable grab handle and a set of keys. You may require additional straps/zip-ties and padding depending on your bicycle type and size.

The sides of the bike box are wheel and frame specific. If you need to move the straps to better accommodate your own bicycle then it's a simple job to drill new 5mm holes on any flat surface of the box shell and cut a new slot into the foam inserts. **Test fit your bike before you travel, to give yourself plenty of time to customize its fit to your box. Don't leave it until the morning of your first flight!**

If you require additional padding to protect your bike during transit expanded foam pipe lagging is a cost-effective and readily available solution. Should you need to extend the length of any of your straps, or make additional ones this can be done using readily available 'Back To Back Velcro'.

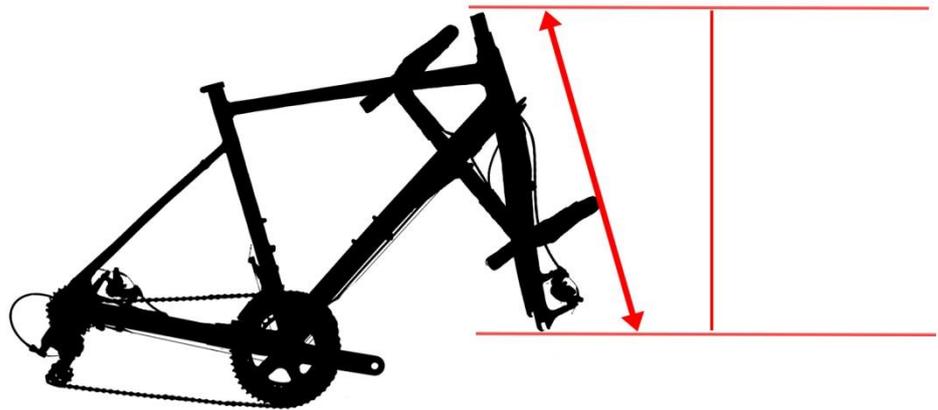
Maximum dimensions:

The maximum bike size that can be placed in the Planet X Bike Box depends on a number of factors. The following numbers are given as a guide, they are not absolute. The bike box will accommodate bicycles up to 72cm from the bottom of the chainset to the top of the seat tube.



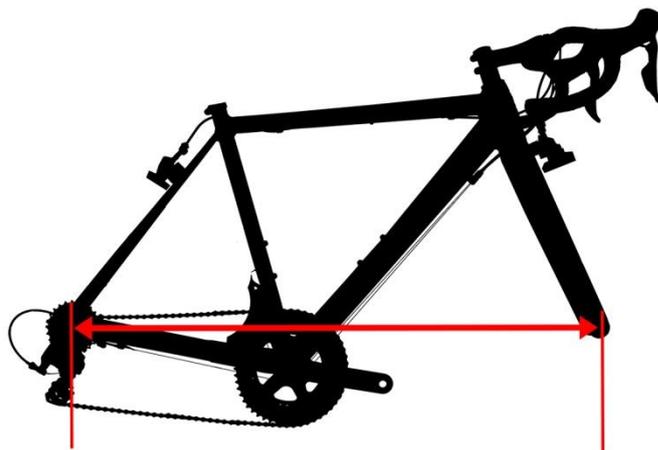
72cm MAX. Top of seat tube to bottom of chainset

The maximum fork length (axle to top of steerer) that can be accommodated without removing the fork is 700mm. MTB Suspension forks will usually need to be removed from the frame and may need to be compressed to travel.



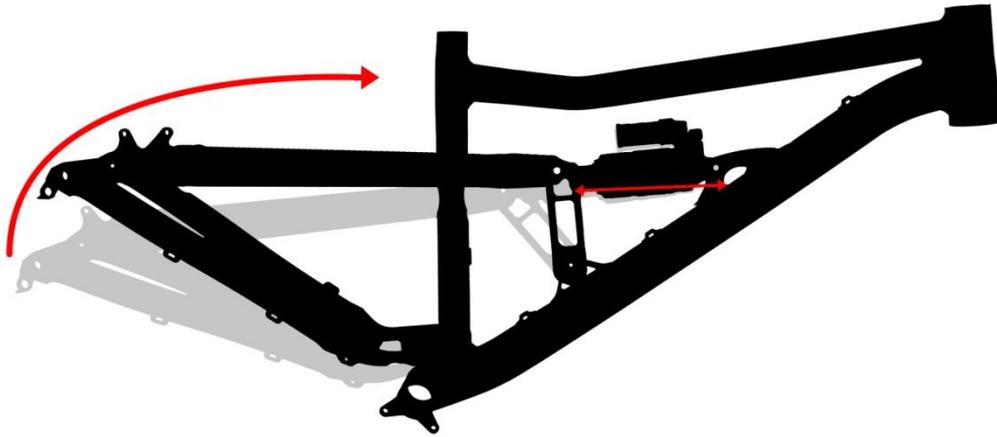
70cm MAX. Top of steerer to centre of front axle

The maximum wheelbase that can be accommodated without removing the fork is 110cm, slightly more if you remove your rear derailleur, turn the forks 180 degrees or are running a single speed.



110cm MAX. Wheelbase, before turning forks

Full suspension MTB's will easily fit in the box with the forks removed, rear shock deflated, and the rear triangle compressed and zip-tied in place.



MTB, deflate shock, compress back end, fasten shock with zip-ties

All of the previously displayed measurements are maximums for any single dimension. If your bike exceeds these dimensions then we'd recommend that you pop into our showroom and see if your bike fits in an actual box.

Actual internal measurements of the bike box are given on the last page.

Packing Your Bike:



The Planet X bike box will take 700c wheels with tyres without removing the tyres. Deflating the tyres is sufficient to enable road 700c wheels to fit in the bike box. 700c gravel wheels will similarly fit with tyres deflated. (Foam liners no longer provided with box)

- Remove the wheels.
- Remove seatpost and saddle if required. Loosen and remove handlebars and stem.
- Remove pedals.
- Fit a rear wheel frame spacer, this protects your frame from crush damage and keeps your rear derailleur out of the way.

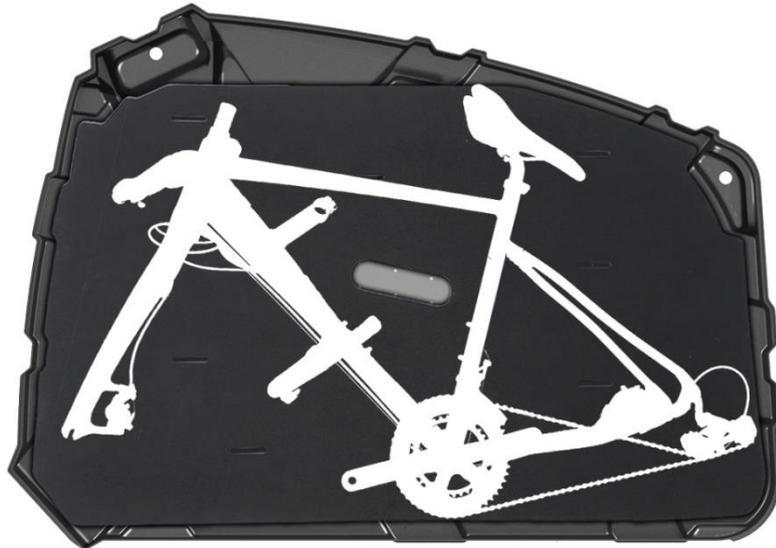


- Place frame and fork in the box. Chainset faces towards wheel side of the box.
- Place additional material between handlebars and frame if required.
- If bike's forks have been removed place additional packing material between forks and frames.
- Fix frame and fork into the box with Velcro straps.
- Ensure everything is snug and nothing is rattling around, Use additional padding if required to protect your frame.
- Always place some padding material between the underside of your chainset and the bottom of the bike box. This will protect your chainset.

Depending on the proportions of your bike there are a number of different ways to arrange the handlebars and frame within the box. You can remove and reposition the Velcro straps anywhere within the bike box, simply drill a new 5mm hole in the case. You can arrange your bar down the fork.



You can arrange your bars along the down tube.



Or you can arrange your bars diagonally across the top and down tubes.



The best method will depend on the proportions of your frame and fork and also the routing of your brake and gear cables. Whichever way you choose, be sure to check that the wheels do not foul the frame and bars when the box is closed.

MTB Specific Guidance:

The Planet X bike box will take 26" wheels with tyres deflated, 27.5" and 29er wheels will fit with the tyres removed. Always deflate your tyres if flying with your bike. Fat Bike wheels will not fit due to the width of the rims and axle lengths.

- Deflate suspension fork and rear shock if fitted and travelling by air.
- To gain extra space with full-suspension bikes you can tie the rear triangle up in the compressed position using zip-ties after deflating the rear shock.
- Suspension forks should be removed from the frame and secured into the frame side of the bike box.
- Ensure that exposed fork stanchions are suitably protected. A double layer of rolled corrugated cardboard cut to length is excellent for this purpose.
- Once deflated suspension forks can also be compressed to reduce volume. Use a strap or zip tie to hold in place.



TT/Triathlon Bike Specific Guidance:

It is possible that some TT bikes may not fit in the bike box due to the shape of the rear triangle and position of the seat stays. TT bikes with low and wide seatstays may foul the axle placement of the rear wheel.

It is usual that the handlebars will need to be removed entirely from the bike and may possibly require the brake and gear cables to be loosened to allow the bars to be placed in the bike box. Removing the bars and fork from the frame will give you the greatest number of positioning options inside the box, as will removing the armrests and risers from the bars. If you're going to be a frequent traveller with your TT bike consider running a little bit of excess inner cable on both your front and rear brakes to make packing your bike easier.

Packing Your Wheels:

- Remove QR skewers/thru axles from wheels.
- Always deflate tyres if travelling by air.

● WHEEL STRAP LOCATIONS

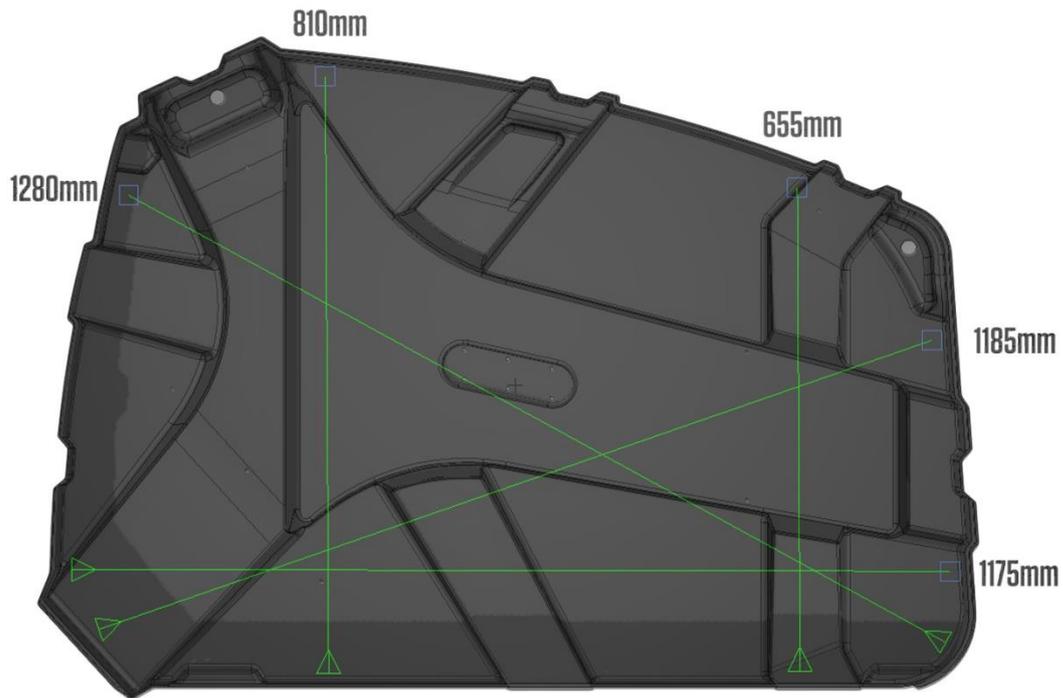
● ZIP TIE OR CUSTOMER'S OWN VELCRO WRAPS



- Remove disc brake rotors if required. Otherwise, ensure they cannot contact by facing them towards the outside of the bike box shell.
- Place wheels in the wheel side of the box. Face cassette towards the inside of the bike box.
- The front wheel sits over the fork side of the frame and should be placed in the box first. The rear wheel sits over the rear triangle part of the frame and should be fitted after the front wheel.
- Fix wheels securely in the box with Velcro straps.
- Additional Straps/ Zip-ties can be used to secure the wheels to each other at the points where the rims cross.
- Wheels spares, QR skewers should be protectively packaged and placed between the wheels and the foam insert.
- If you want to additionally secure your wheels with a QR skewer through the shell of the box we strongly recommend using a turbo trainer QR set with steel axles- not your fancy lightweight QR skewers!
- Two spare washers are included in the box with your keys for mounting between the inside shell of the box and the ends of your wheel axles when securing your wheels to the shell of the box with heavy duty QR skewers.
- Aero Disc wheels cannot be fixed directly using the normal wheels straps, or with the anti-crush tubes fitted. Fix disc wheel to the bike box with a heavy-duty QR skewer then use bungee cords, stretched between the Velcro straps to secure disc wheels. Ensure the wheel is securely fixed in place and will not move during transit. **-NB removing the anti-crush tubes to fit a disk wheel will reduce the protection offered by the bike box. We prefer to fly with a separate wheel bag.**
- Place some light packing material between your frame and wheels.

Never pack loose, unprotected items in your bike box with your bicycle. Always ensure that all items in the bike box are carefully fitted, protected with padding where necessary and securely tied down.

Bike Box Dimensions:



EXTERNAL DIMENSIONS 1265mm X 900mm

