



USER MANUAL

Congratulations on the purchase of your new 9th Wave product! You have purchased a quality product made by 9th Wave. Follow the instructions in this manual to keep your warranty valid!

WARRANTY

9th Wave stands for high quality, durability and functionality in development, production and assembling of rims, wheels and other high-end bicycle parts. To ensure that your high-quality 9th Wave product provides you with loads of fun and riding pleasure for many years, please follow the advice described below and in your manual.

UP TO 7 YEARS WARRANTY

9th Wave offers a minimum of **2 YEAR** warranty from the date of purchase on all products. For carbon rims this warranty can be extended with 5 years to a total of **7 YEARS** after registering your product online.

Read the complete warranty conditions online. Or download a copy from our website. We can also send you a copy on your request.

CRASH REPLACEMENT SUPPORT

It's our goal to make our customers 9th Wave fans for life. Therefore 9th Wave offers crash replacement support. This support program covers accidents which are not covered by warranty or extended warranty for any reason.

9th Wave products are designed to be ridden under all conditions. But still, situations can occur that even our products can't handle. Think of trees suddenly crossing path, your bike falling off a cliff or any other crash so to speak. For this kind of cases we offer a 50% discount off the actual list price on parts. Shipping or rebuilding is not part of this support. You will have the choice to have the wheel rebuild or replaced at 9th Wave Cycling or in other cases by your approved 9th Wave dealer.

Register your product!



Make sure you register your product within 30 days from the date of purchase in order to use the crash program in the future and to get 5 year extra warranty on most rims!

GENERAL INFORMATION

This user manual is intended for the user of 9th Wave wheels or rims. It includes information on the installation, handling, maintenance and care of the wheels, along with the provisions of the warranty. For further information on warranty and crash replacement check www.9thwave-cycling.com.

The manual must be read and understood by the user before using the component. Third-party users

must also be informed about the following provisions. Keep this instruction manual safe in case you need to refer to it later.

	A digital version of this document in different languages is available online at www.9thwave-cycling.com .
	Een digitale versie van dit document in verschillende talen is online beschikbaar op www.9thwave-cycling.com .
	Eine digitale Version dieses Dokuments in verschiedenen Sprachen ist online unter www.9thwave-cycling.com verfügbar.

SAFETY



Incorrect handling, installation, maintenance or servicing can lead to accidents causing severe injuries or death! Compliance with the following provisions is a prerequisite for accident-free use and faultless functioning.

- Assembly and maintenance of the wheels requires a basic knowledge of handling bicycle components. If in any doubt, consult your retailer.
- The wheels should be used only in accordance with their intended use. Otherwise the user shall assume full responsibility.
- The wheels must be compatible with all parts of the bicycle.
- Only use original 9th Wave spare parts.
- The wheels must not be changed or modified.
- The wheels must not be used if they are damaged or there are any signs of damage. If in any doubt, consult your retailer.



Risk of death caused by incorrectly assembled or faulty wheels!

- Check that the wheel is attached correctly before each ride.
- Check the wheel for damage before and after each ride.
- Regularly check the spoke tension, rotation, and wear of the wheel.



Risk of death caused by failure or reduction of the brake performance when using wheels for rim brakes!

- When carbon rims are used, only original 9th Wave Orange Brake pads for Shimano or blue brake pads for Campagnolo may be used. Otherwise the user shall assume full responsibility.
- The braking power of carbon rims is generally lower than that of aluminium rims. If using new wheels or brake pads, or when using the wheels

in wet conditions, the braking power is reduced. Adjust the manner of cycling accordingly.

- If brake pads have previously been used with aluminium rims, these must not be used with carbon rims.
- New brake pads develop their full braking performance only after a few spells of braking. With new brake pads, expect reduced braking performance at first.



Braking correctly (ROAD Carbon)

- Brake using both brakes! When riding downhill brake only briefly, with pauses in between. Avoid sliding and permanent braking, as the wheel will overheat thus causing failure of the rim, tire or inner tube.
- Correct braking significantly affects the working life of wheels which have carbon brake surfaces. The following points should be noted:
- Carbon wheels have a different braking behaviour to aluminium wheels. Especially when it is wet, a lower braking effect must be expected.
- First ride on roads with little traffic in order to familiarise yourself with the changed conditions.
- Never let the brakes rub. Brake only for a short time, but hard. The longer the pauses between spells of braking, the better.
- If overheating occurs, the carbon lamination becomes loose, and the wheel distorts irreparably. This may even result in a blown tire and a serious crash! We do not recommend carbon clincher wheels for mountain descending. Worn or damaged brake surface caused by overheating of the rims are usually not eligible for warranty service.



Risk of damaging the wheel by selecting incorrect components or tools!

- Do not use metal tire levers. These can damage the surface of the rim, tire or inner tube.
- Use only valves with a suitable diameter and of an adequate length. The valve hole must not be modified.
- The maximum tire pressure of the wheel and of the tire used must not be exceeded.
- Use only rim tapes, inner tubes and tires which fit the dimensions of the rim.
- Carbon rims must not be used with latex tubes.

INTENDED USE

The intended use of 9th Wave wheels is divided in different categories from road biking to Enduro mountain biking. If you are not sure what the intended use of your wheels is, you can look this up in our website. Only use 9th Wave wheels within their intended category (or lower). Otherwise the user shall assume full responsibility.

FITTING TUBELESS TIRES

- Put sealant fluid into the tires. Comply with the instructions of the sealant manufacturer.
- Assemble the wheels according to the manufacturer's specifications. We recommend using soapy water or installation fluid.
- Pump the tires up to their maximum permitted pressure. Do not exceed the max pressure. This may cause damage to the rim or blow the tire off the rim! We recommend taking out the core of the tubeless valve to allow a free air flow into the tire. The larger amount of air entering the tire at once will help the tire to pop onto the rim faster.
- Check the tire seat. The tire must contact the rim evenly around its entire circumference. Have the tire seat checked by a professional if in any doubt.
- If necessary, reduce the tire pressure to the desired operating pressure.

FITTING TIRES WITH A TUBE

- Attach the rim tape if necessary. (Usually pre-installed by 9th Wave)
- 9th Wave Tubeless Ready Tape can be used as rim tape.
- Assemble the inner tube and tire according to the manufacturer's specifications. We recommend using soapy water or installation fluid.
- Pump the tires up to their maximum permitted pressure. Do not exceed the max pressure. This may cause damage to the rim or blow the tire off the rim!
- Check the tire seat. The tire must contact the rim evenly around its entire circumference. Have the tire seat checked by a professional if in any doubt.
- If necessary, reduce the tire pressure to the desired operating pressure.



Potential damage to the rim from unsuitable sealant fluid!

- 9th Wave recommends sealant fluid not containing materials which increase corrosion. In doubt, you must contact the manufacturer.
- The rim base and spoke nipples must be inspected regularly for corrosion damage. If there is visible corrosion, the rim must not be used further.
- In the case of corrosion clearly caused by the use of unsuitable sealant fluid, 9th Wave declines any liability and warranty whatsoever.

FITTING WHEEL WITH QUICK RELEASE



Incorrect installation of the quick release can result in serious injuries or even death.

- Before every ride, ensure that the wheel is securely mounted in the frame or fork. If in any doubt, consult your retailer.
- Bring the lever for the quick release into the "OPEN" position.
- Position the wheel between the fork dropouts. The axle must lie along the radius of the dropout at both ends.
- Move the quick release lever from the "OPEN" to the mid-position. Tighten opposed nut hand-tight.
- Close the quick release lever. The closing force must be such that the lever can just be brought by hand into the closed position. If the closing force is too low, move the lever to the mid-position, slightly modify the clamping force of the nut, and move the lever back to the closed position.
- Confirm that the wheel is correctly seated. Before every ride, ensure that the wheel is securely mounted in the frame or fork.

TRANSPORT

Correct transport avoids damage to the wheels. The following points should be noted:

- Do not put carbon wheels under pressure.
- Do not place objects on the wheels.
- Transport preferably in 9th Wave wheel bags.

Transport on a vehicle:

- When transporting at the rear of a vehicle, a sufficient distance must be ensured between the exhaust and the wheel. 9th Wave recommends a minimum separation of 50 cm behind the exhaust and at least 25 cm above it.
- Cushion the rims before lashing straps or ratchet systems are fitted.

Transport in a vehicle:

- When transporting in a vehicle, cover the wheels in order to shield from direct sunlight.
- If carbon wheels are transported in a vehicle and the outside temperature is high, release pressure from the tires.

STORAGE FOR LONGER PERIODS

Careful storage prolongs the life of the wheels. The following points should be noted:

- Do not hang carbon wheels from hooks.
- Release pressure from the tires.
- Clean the wheels. In particular, completely remove salt residue.
- Remove sealant fluid. The corrosion-accelerator properties of some sealant fluids can damage Aluminium rims.

MAINTENANCE INTERVALS

Task	Interval
Maintenance of the hub: Under normal operating conditions: Under extreme operating conditions	Annually As required
Check the spoke tension, rotation and wear of the wheel.	25 operating hours
Check the wheel for damage.	Before and after every ride
Clean with a soft sponge and a suitable cleaning agent. Do not use high pressure cleaners or aggressive cleaning agents!	After each ride
Check that the wheels are secured correctly.	Before each ride
Check air pressure.	Before each ride
Wheels for rim brakes: <ul style="list-style-type: none"> • Remove any contamination (especially oil and traces of grease) from the brake surfaces. • Check the degree of wear of the brake pads. • Remove any embedded dirt such as grit or small stones from the pads. • Check the degree of wear on the brake surfaces of the rim. If in doubt, or if there is any visible wear, have them checked by a professional. 	Before each ride