

COMPASS MANUAL

RACE PLATE COMPASSES

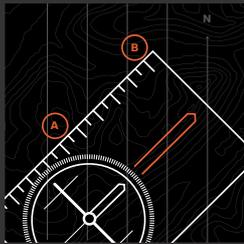
HOW TO NAVIGATE

ORIENTING THE MAP TO NORTH

The easiest way to use a map and compass together is to orient the map towards North. Simply align the map meridians with the compass needle so that "up" on the map is pointing North. Now everything on the map is in the same direction as on the ground. When travelling along your route, remember to keep the map oriented at all times. By doing this it will be very easy to follow your route since turning right on the map also means turning right on the ground! Properly orienting the map is quick, easy and the best way to avoid unnecessary mistakes during your trip!

EASY AS 1-2-3

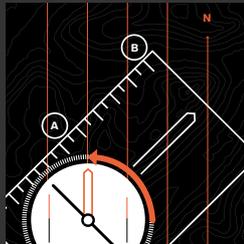
THE SILVA 1-2-3 SYSTEM



1-2-3

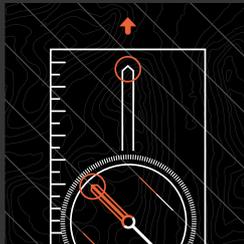
Place your compass on the map and use the **baseline** to make a straight line between your current position and your destination.

Make sure the **sighting line** points towards your destination.



1-2-3

Turn the **compass housing** until the **orienting lines** are parallel with the **map meridians**.



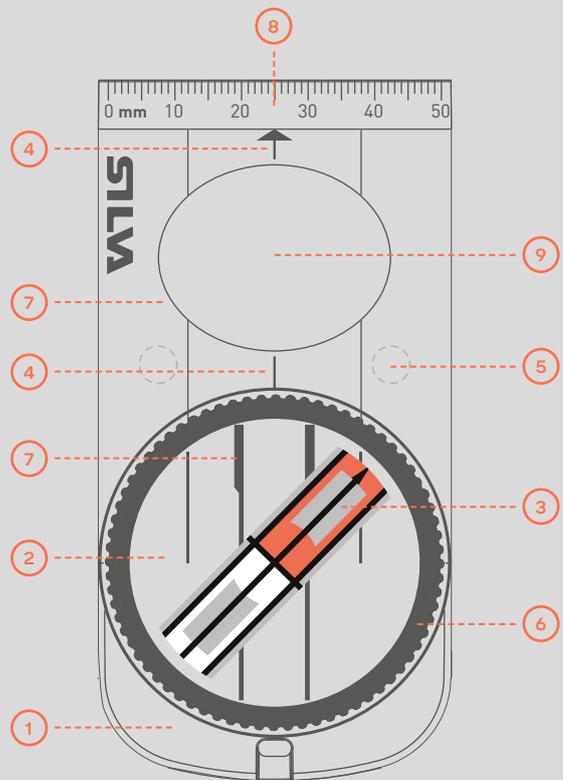
1-2-3

Lift your compass from the map and hold it horizontally in your hand. Turn yourself and the compass until the **needle** is aligned with the **orienting lines**. Now the **direction of travel arrow** will point towards your destination. Take a landmark and start moving. Enjoy!

BASIC COMPASS FEATURES

RACE PLATE COMPASSES

These compasses are perfect for the Orienteer or anyone who needs a compass with outstanding quality and a fast, stable needle. If you are looking for an elite baseplate compass without fuss, you should go for the Race Plate compass. If you also are in need of a magnifier, you should go for the Race Plate Zoom.



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|---|---|---|--|
| 1 | BASEPLATE | 6 | TURNABLE COMPASS HOUSING |
| 2 | LIQUID FILLED CAPSULE | 7 | ORIENTING LINES |
| 3 | COMPASS NEEDLE | 8 | RULER |
| 4 | SIGHTING LINE / DIRECTION OF TRAVEL ARROW | 9 | MAGNIFYING LENS*
(* Race plate zoom only) |
| 5 | RUBBER FRICTION FEET | | |

COMPASS MANUAL RACE PLATE COMPASSES

BASIC COMPASS FEATURES

RACE PLATE COMPASSES

1 BASEPLATE

Highly durable baseplate in acrylic plastic with lots of transparency to increase the map visibility. Use the edge of the baseplate to get your bearing. The curved up back end makes the compass sit more ergonomic in your hand.

2 LIQUID FILLED CAPSULE

The capsule is filled with anti-static liquid (customized formula) that ensures clear reading, fast settling time, perfect dampening, stability and accuracy of the needle.

3 COMPASS NEEDLE

The magnetic needle features a combination of a sapphire jewel bearing and a hardened steel pivot that minimises friction, which in turn gives rapid and accurate movements. Magnetic North direction accuracy: 1 degree. The orange end points to magnetic north!

Our race plate compass are equipped with our top-notch JET needle.

JET needle: The world's fastest, highly transparent



4 SIGHTING LINE / DIRECTION OF TRAVEL ARROW

The direction of travel arrow shows the direction that you want to travel along or the bearing you are taking. It is fixed parallel to the sides of the **baseplate**.

5 RUBBER FRICTION FEET

Silicon rubber friction feet for precision map work. Placed at the bottom side of the **baseplate**.

6 TURNABLE COMPASS HOUSING (BEZEL)

Use the turnable compass housing by rotating the grip ring when navigating with the SILVA 1-2-3 system. The unique feature of a turnable compass housing on a race compass gives you the opportunity to use a fast race compass even if you are used to navigating with a traditional baseplate.

7 ORIENTING LINES

Our race plate compasses have lines/markings in the **capsule** bottom to ensure easy settling. The lines are fixed within the **compass housing**, rotates along with the grip ring and are designed to be aligned with the map meridians. The lines are used to align the **compass housing** with the map in step 2, when navigating with the **SILVA 1-2-3 system**.

8 RULER

If the map scale is 1:50 000, and your compass has the corresponding **map measuring scale**, use this to measure distance.

If your compass lacks the corresponding **map measuring scale**, use the regular Metric ruler found on the edge of the **baseplate**.

Example: If the map scale is 1:50 000, then 1 mm on the map = 50m in the terrain.

9 MAGNIFYING LENS

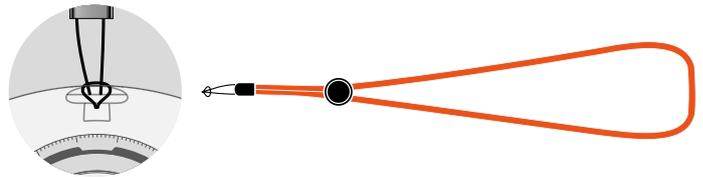
Built in magnifier for detailed map reading.

COMPASS ACCESSORIES FEATURES

RACE PLATE COMPASSES

WRIST STRAP

The wrist strap is adjustable to make it fit perfectly on your wrist and minimizes the risk of dropping or damaging the compass.



SCALE CARD

The SILVA scale card is a great complement when you need to do detailed map work, measurements and preparations, but you don't have a baseplate compass with the scales that correspond to your map.

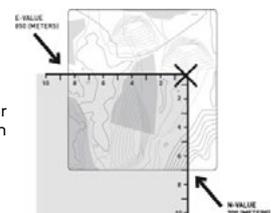


MAP MEASURING SCALES

A map is a reduced picture of the terrain. The determined proportion between the distances on the map and the corresponding distance on the ground is called a map scale. To obtain the corresponding distance in the field, the distance on the map must be multiplied by the divider of the scale. The most common scales are 1:10 000, 1:15 000, 1:25 000 and 1:50 000. For example, the scale 1:10 000 means that 1 cm on the map corresponds to 10 000 cm = 100m in the terrain.

ROMER SCALES**

Use the Romer coordinate scales on the scale card to measure distance or accurately work out a six-figure grid reference that lets you determine the coordinates of a known position on the map (or to determine the position of known coordinates on the map).



STENCIL HOLES

The scale card also has stencil holes for adding map symbols/markings positions on map with pen/pencil – increasing precision.



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MORE INFORMATION

CAN I USE MY COMPASS IN ANY PART OF THE WORLD?

Most SILVA compasses are balanced for one of three magnetic zones. Using your compass in the "wrong" zone will cause the needle to tilt and may result in it getting stuck against the roof/floor of the capsule and showing an incorrect north.

SILVA's compasses are balanced in three different zones:
MN (Magnetic North), ME (Magnetic Equator), MS (Magnetic South).
Make sure to buy a compass for the magnetic zone you will navigate in.



TAKE CARE OF YOUR COMPASS

A SILVA compass will, if treated carefully, be a navigation partner for many, many years. Always check that your compass is functioning properly before heading out.

- Never expose your compass to extreme temperatures (above 60°C or below -20°C) – this can deform the plastics with a leaking compass capsule as a result.
- Avoid dropping the compasses on hard surfaces and handle it with care.
- Don't store or place the compass close to strong magnetic fields such as knives, mobile phones, radio speakers, magnets etc. This can cause reversed polarity of the compass needle which will result in it pointing south instead of north.

WARRANTY

SILVA warrants that, for a period of five (5) years, your SILVA product will be substantially free of defects in materials and workmanship under normal use. SILVA's liability under this warranty is limited to repairing or replacing the product. This limited warranty extends only to the original purchaser. If the product proves defective during the warranty period please contact the original place of purchase. Make sure to have your proof of purchase on hand when returning the product. Returns cannot be processed without the original proof of purchase. This warranty does not apply if the product has been altered, not been installed, operated, repaired, or maintained in accordance with instructions supplied by SILVA, or has been subjected to abnormal physical or electrical stress, misuse, negligence or accident. Neither does the warranty cover normal wear and tear. SILVA is not responsible for any consequences, direct or indirect, or damage resultant from use of this product. In no event will SILVA's liability exceed the amount paid by you for the product. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty is valid and may be processed only in the country of purchase.