TACKINGMASTER™

Sailing Smarter

INSTRUCTIONS FOR USE

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The TackingMaster Setup:

STEP **4:**
SET WINDWARD MARK
BEARING ON **MARK RING**

STEP **3:**
SET WIND DIRECTION
FOR **COMPASS RING**

STEP **2:**
UNTIGHTEN
LOCK RING

STEP **1:**
RESET THE
WIND DIAL

STEP **5:**
TIGHTEN
LOCK RING

The WindDial in details:

The **"Plus/Minus"** at each side of the start line is a reminder of which "sector" is biased. E.g. the example displays the nominal start line at 295º bearing towards port end. If the actual line has a bearing of a higher number e.g. 300º, it is in "Red Plus" sector, meaning Port end is biased.

The **main nominal wind** direction at which the Compass Ring is set at.

The **close haul boats** marks the 45º tackangle.
The markers with one, two and three dots can be used as reference for tackangles at 50º, 40º and 35º repectively.

The **Wind Dial window** displays the resulting windshift in degrees,
but visually also leaves the window in more red or green depending of the direction of the windshift.

The **"Jog" handle** can be used for turning the Wind Dial to follow along with the major windshifts.

The is the **jibe point**, where the wind is from right behind.

The **boats on the reach** marks the 135º true windangle.
The additional line markers have 10º between them for reference.

Windshift scenario example

1

- Starting out with measuring the **mean wind direction**, here set at bearing 025º by adjusting the Compass Ring.

2

- The **windward mark** is found at 035º (10º to the starboard side of the wind) and the Mark Ring is set according to this.

3

- With a **tackangle** of 45º, the starboard tack is expected at 340º and port tack is expected at 070º.

- The **neutral starting line** is supoosed to be found at 295º at the port end and 115º at the starboard end.

4

5

- The Mark ring reveals that the 180º **downwind return** will have a bearing of 215º. It also highlights that starboard is the most dominant reach, since the **jibe bearing** can be found at 205º.

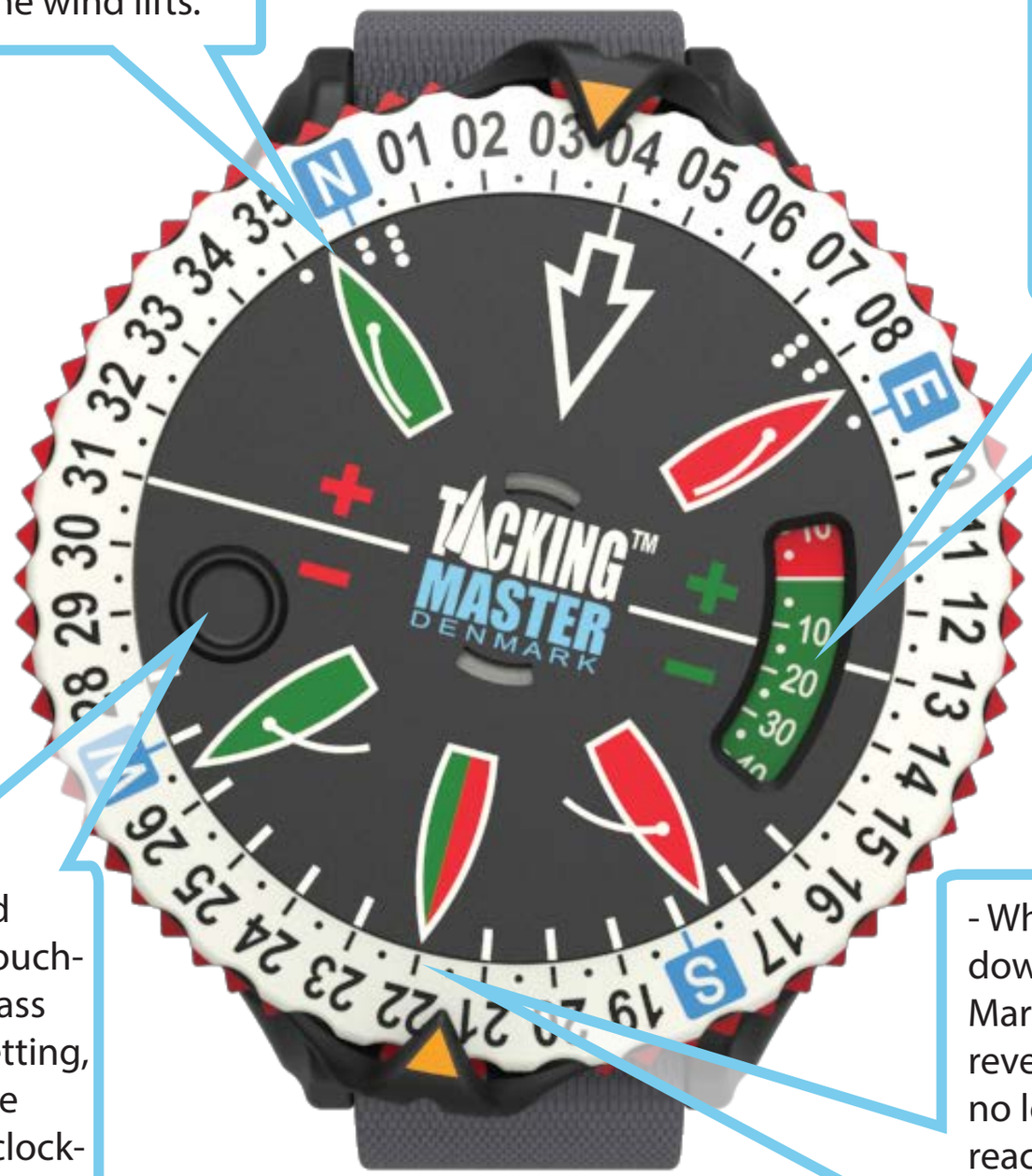
A 15º Windshift to Starboard example:

1

- Assuming during the beat on starboard at 340º, the course changes to 355º as the wind lifts.

3

- This reveals a 15º shift in "green" in the WindDial window, leaving a reminder that a windshift to starboard is present.



- This can be visualized temporarily without touching the original Compass Ring and Mark Ring setting, but instead turning the WindDial a few clicks clockwise until the starboard closehaul boat points at 355º.

2

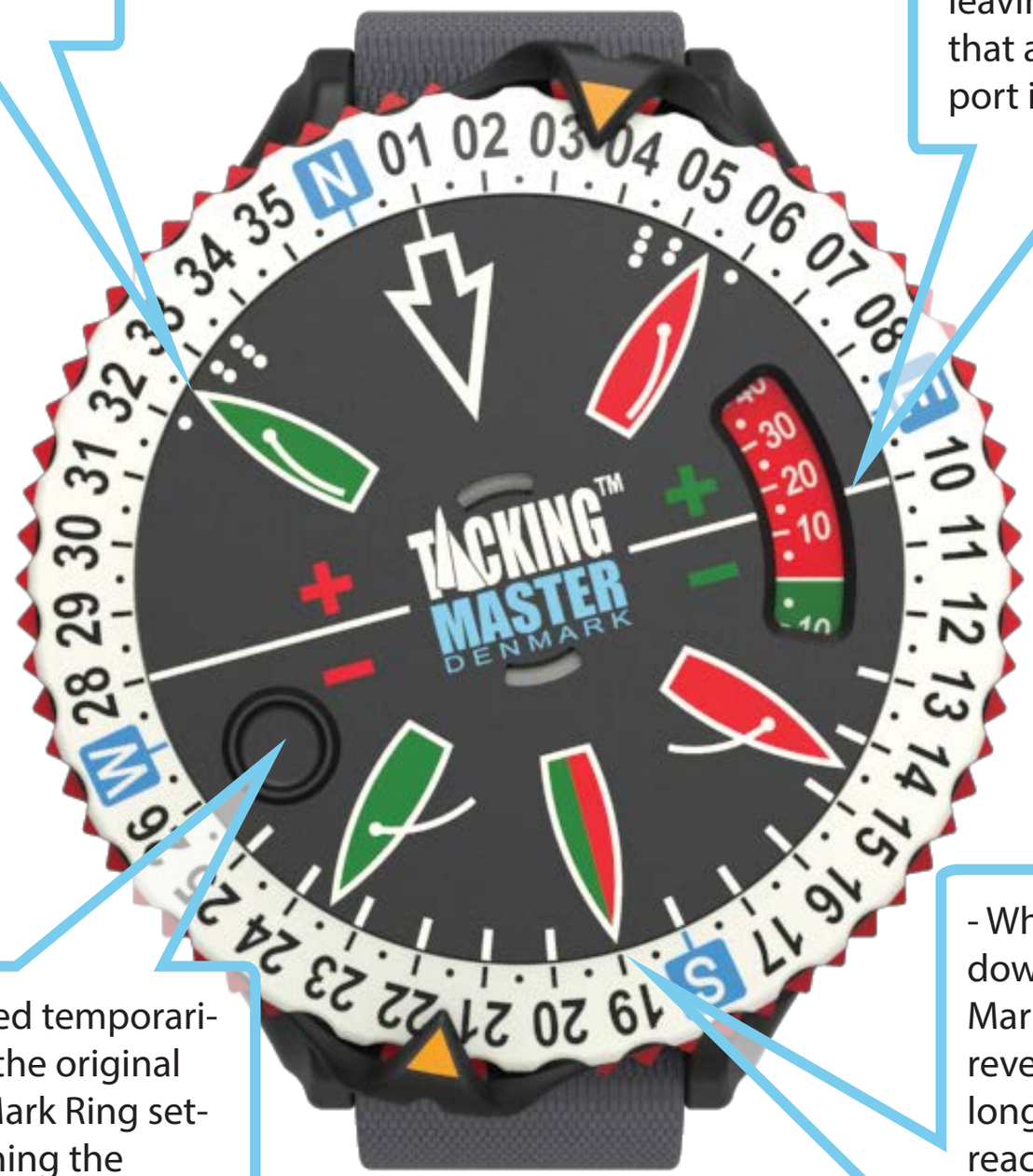
4

- When looking at the downwind mark on the Mark RIng, it is now revealed that starboard is no longer the dominant reach, as it has shifted to be 5deg port dominant. The Jibe bearing is now expected at 220º.

A 15º Windshift to Port example:

1

- Assuming during the beat on starboard at 340º, the course changes to 325º as the wind is heading.



3

- This reveals a 15º shift in "red"in the WindDial window, leaving a reminder that a windshift to port is present.

- This can be visualized temporarily without touching the original Compass Ring and Mark Ring setting, but instead turning the WindDial a few clicks clockwise until the starboard closehaul boat points at 325º.

2

4

- When looking at the downwind mark on the Mark RIng, it is now revealed that port is no longer the dominant reach, as it has shifted to be 25deg starboard dominant. The Jibe bearing is now expected at 190º.