SEAMAN Manual

Installation

SEMAN is a html APP which runs on all html5 compatible browsers as a web-app. SEAMAN can only be bought directly from WetterWelt (e.g. in the webshop), **not** via the App or Play-Stores. For android devices we recommend a use with the google chrome browser.

You first start SEAMAN by putting this address in your browser:
**https://seaman.wetterwelt.de**
We urgently recommend setting up a quick start to henceforth open SEAMAN from the start screen henceforth:

- iPhone/iPad: Via ⬆️, choose add to **home screen**, pick a name (e.g. SEAMAN) and **add**. The necessary offline data is than saved to your device.
- Android: In the browser menu (usually in the upper right ⋮) **add to start screen**, pick the name (e.g. SEAMAN) and confirm. The necessary offline data is than saved to your device.
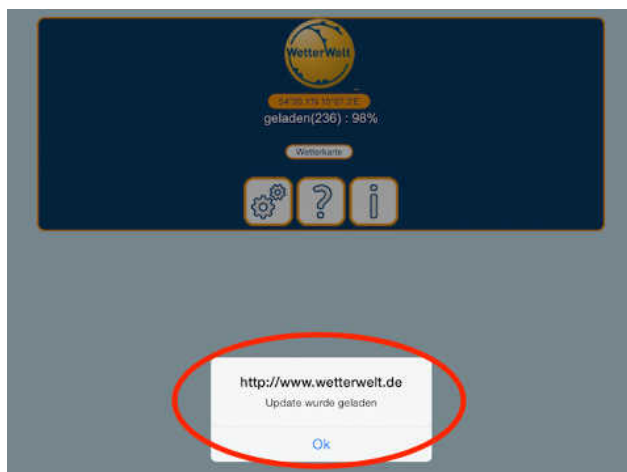
Once all data is downloaded an the message **Update wurde geladen** pops up SEAMAN can be used from the start screen.

You will be asked to allow access to your position, please allow this in order to have your coordinates shown in the app.

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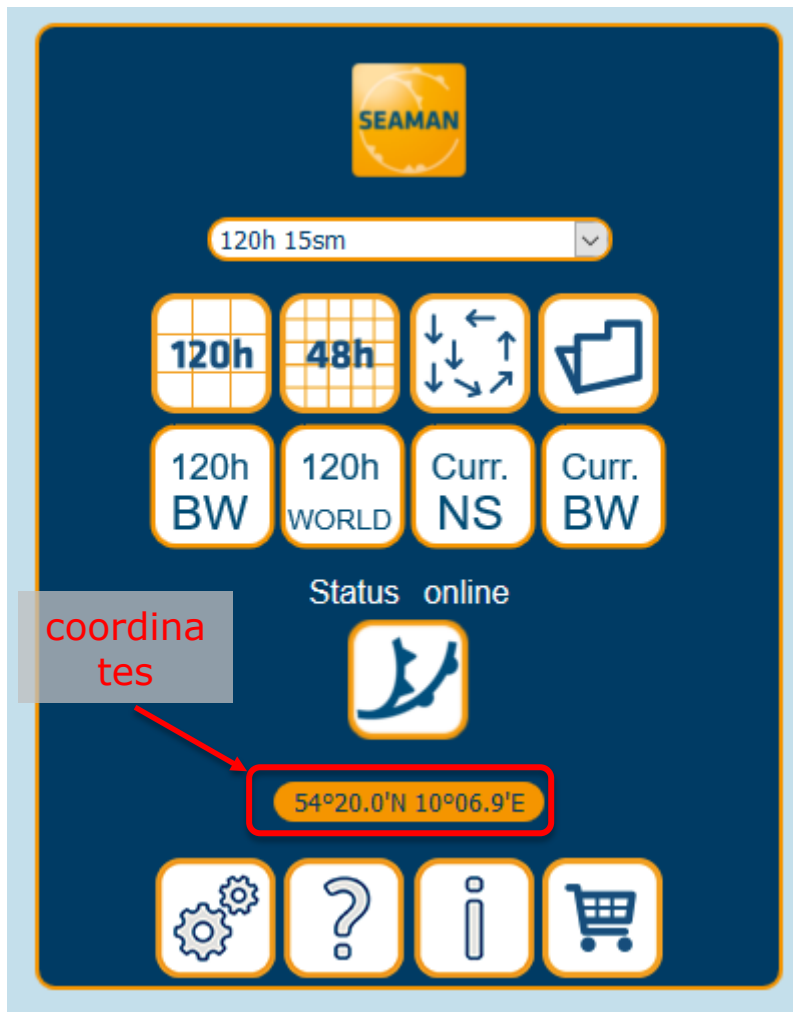
If the orange coordinates bar is empty the SEAMAN is still fully useable with the exception of the marking of your coordinates in the map.

Offline data will be stored on the device. This includes program data, background map and symbols. If you have an internet connection and open the app only forecast data is downloaded. The forecast data is saved to the cache and can also be used offline.

Please input your username und pin in the Setup dialog .
You can also choose your time zone (MEZ = UTC +1) and for the trip planning feature your boat speed at 4 Bft and half wind.
Once you input all this please hit *speichern* and you return to the start screen.

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Bitte tragen Sie Ihren Benutzernamen und Ihre PIN ein.

Benutzer: jejacobs

PIN: ••••

Zeitzone: +2

Bootsgeschwindigkeit (Halbwind / 4 Bft): 6.5 kn

zurück reset speichern

(one time) input of user and pin

set time zone

set boat speed at 4 Bft and half wind

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Data Sets

You can choose between 4 data sets on the start screen.

120h 15 sm	48h 6sm (only wind)	currents	Lokaly Saved Data

After your choose a data set please choose the area from the drop down menu. SEAMAN will than load and open that data.
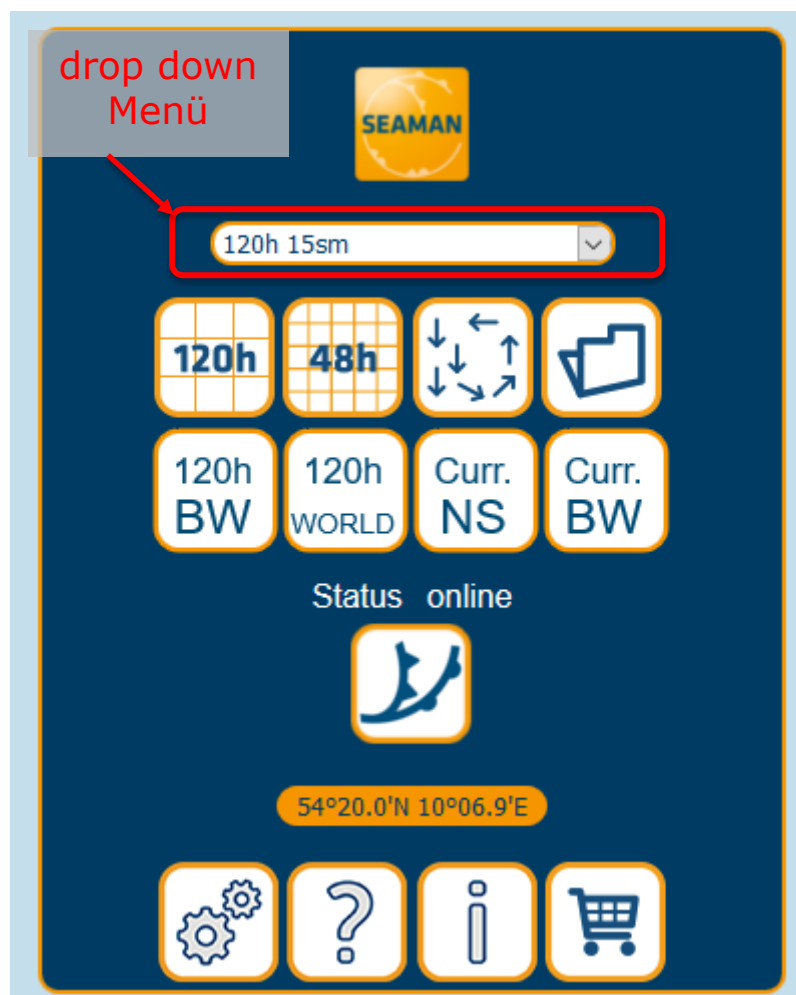
Forecast Data that was downloaded online is stored on your device and can be accessed offline for the next 24 hours by clicking on the locally stored data symbol.

New data is available daily around 1:00UTC und 13:00UTC.

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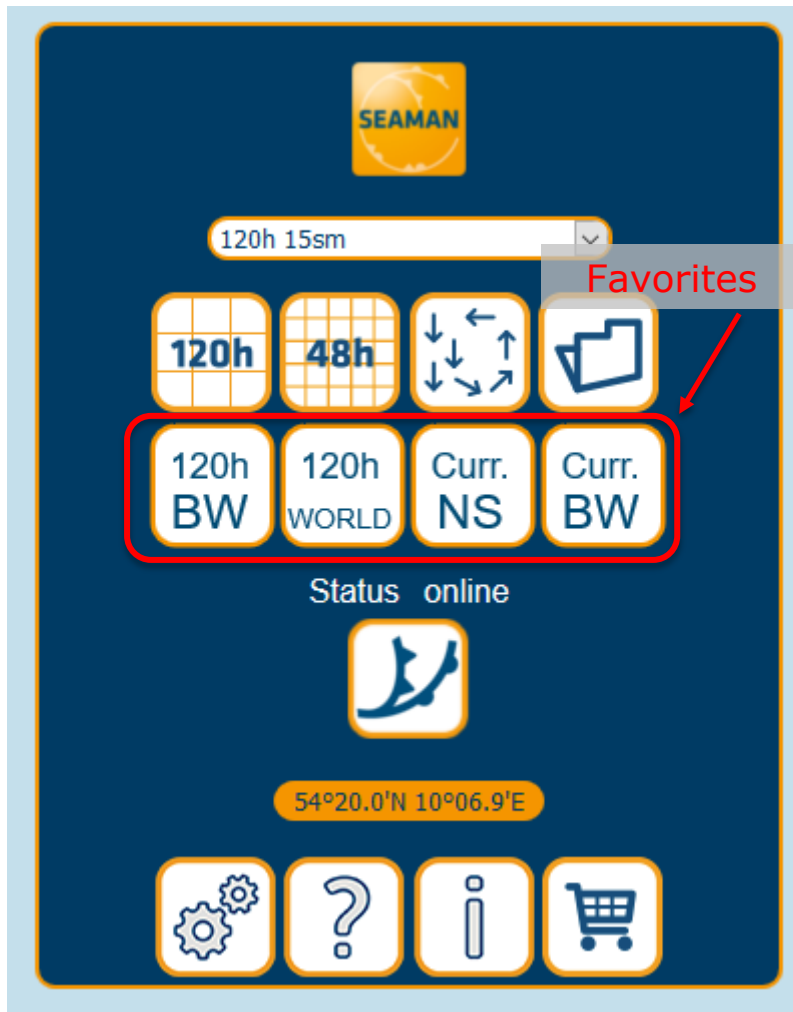
Favorites

Below the 4 buttons for the data set you can find your personal favorites for an even quicker access. These are the (up to) 4 last data sets you viewed on your device which are loaded again if you click these buttons.
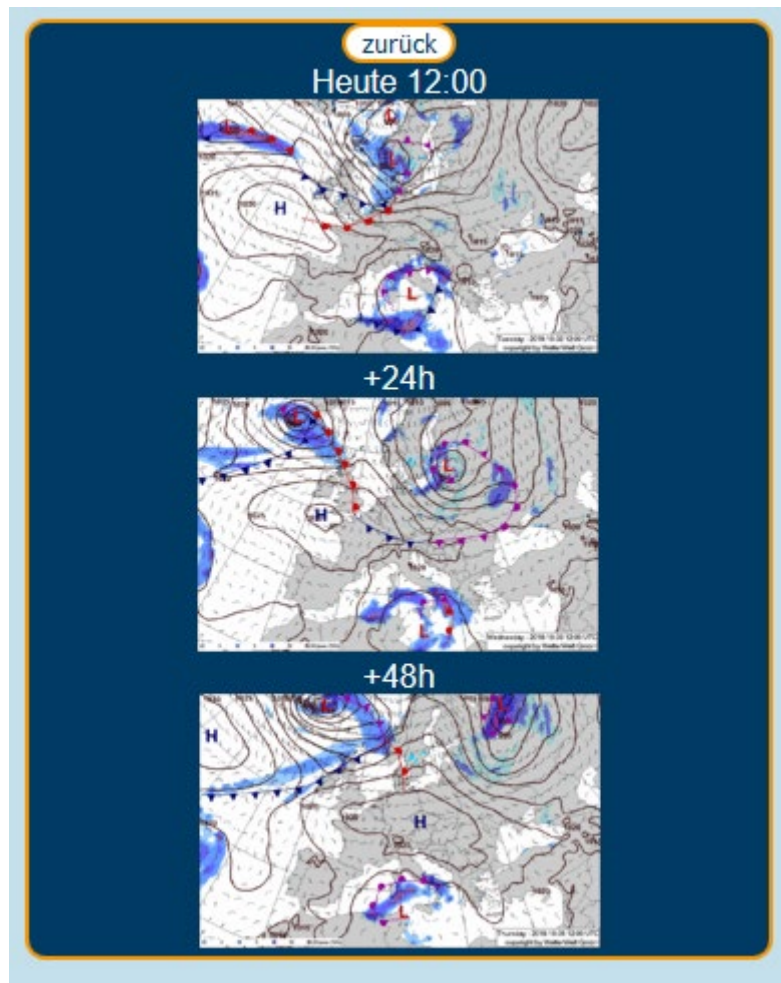
In the picture above the following data sets are favorites:
- Baltic West 120h 15 sm
- World 120h 360 sm
- Current North Sea
- Current Baltic West

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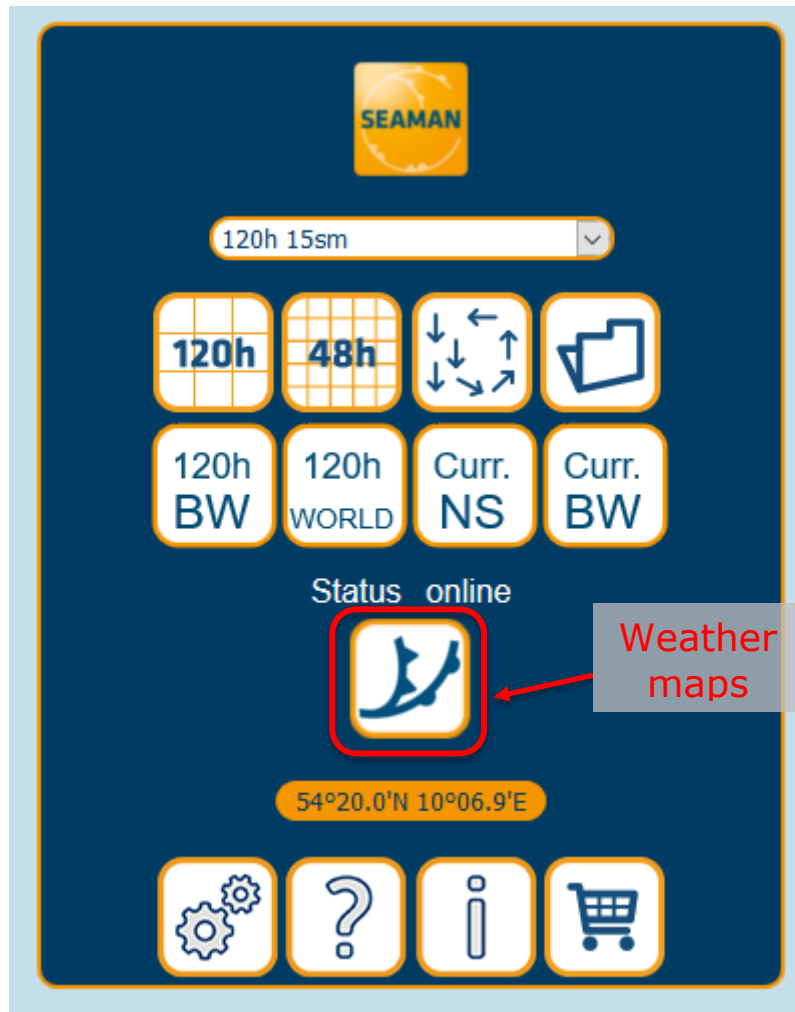
Weather maps

The icon brings you to the weather maps our meteorologist draw every day.
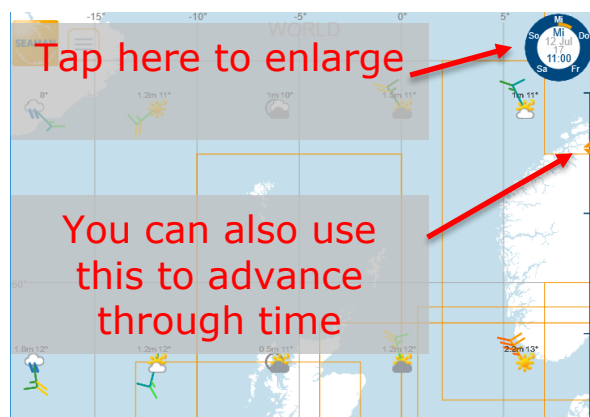
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If you click on a map you get a bigger picture, click on it again and you return to
the weather maps overview, "zurück" brings you back to the start screen.
The maps have a size of about 80 kb each.

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Use of Data Set 120h

With the 120h data sets SEAMAN offers detailed information on wind direction and speed, gust potential, weather and air temperature, pressure as well as wave direction and height. The development of all weather parameters for any point in the data areal can be shown as a chart or a graph (=meteogramm). You can also plan trips.

You can choose your areal from the start screen or from the top oft he weather screen. The 120h data has a spartial resolution of 0,25° (=15sm), the only exception is the **world** data set with 6° (360sm).

selection of areas

Tap here to enlarge

You can also use this to advance through time

Enlarged view
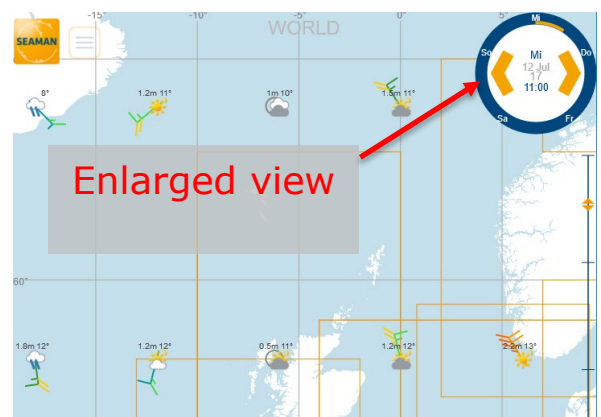
The forecast time step is displayed in the upper right hand corner. You have two option for going to the next time step: either tap the circle, is enlarges and you can use the orange arrows to go back and forth. Or use the orange marker on the time line (the blue markers show 24 hours).

The forecats for the first 3 days is in 3 hour steps, after that it's 6 hour steps. By tapping any position on the map a short overview of the weather for the next 24 hours is opened.

Tapping the blue area opens the large chart for the complete forecast time.

Wind = wind
Mittelwind = average wind
Boen = gusts
Welle = waves
Zeit = time

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	Wind	Wind Mittel / Böen	hPa T °C	Welle
Mi 11:00		SW (218°) 2 / 7 Bft 6 / 33 kn	1006 16°	266° 0.8m
14:00		N (5°) 6 / 7 Bft 21 / 33 kn	1008 15°	291° 1.4m
17:00		N (350°) 6 / 8 Bft 23 / 36 kn	1011 15°	35° 1.7m
20:00		NW (333°) 6 / 7 Bft 25 / 33 kn	1014 15°	27° 2.1m
23:00		NW (323°) 6 / 7 Bft 22 / 31 kn	1017 16°	9° 2.4m
Do 2:00		NW (322°) 6 / 8 Bft 22 / 34 kn	1018 15°	360° 2.4m
5:00		NW (319°) 6 / 7 Bft 21 / 31 kn	1019 15°	352° 2.3m
8:00		NW (314°) 5 / 7 Bft 19 / 30 kn	1021 15°	344° 2.1m
11:00		NW (307°) 5 / 7 Bft 16 / 27 kn	1021 15°	337° 1.9m
14:00		NW (298°) 4 / 6 Bft 12 / 25 kn	1022 15°	336° 1.5m
17:00		W (290°) 4 / 4 Bft	1021 15°	336° 1.3m

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By tapping the icon **METEO** you can view a meteogramm.
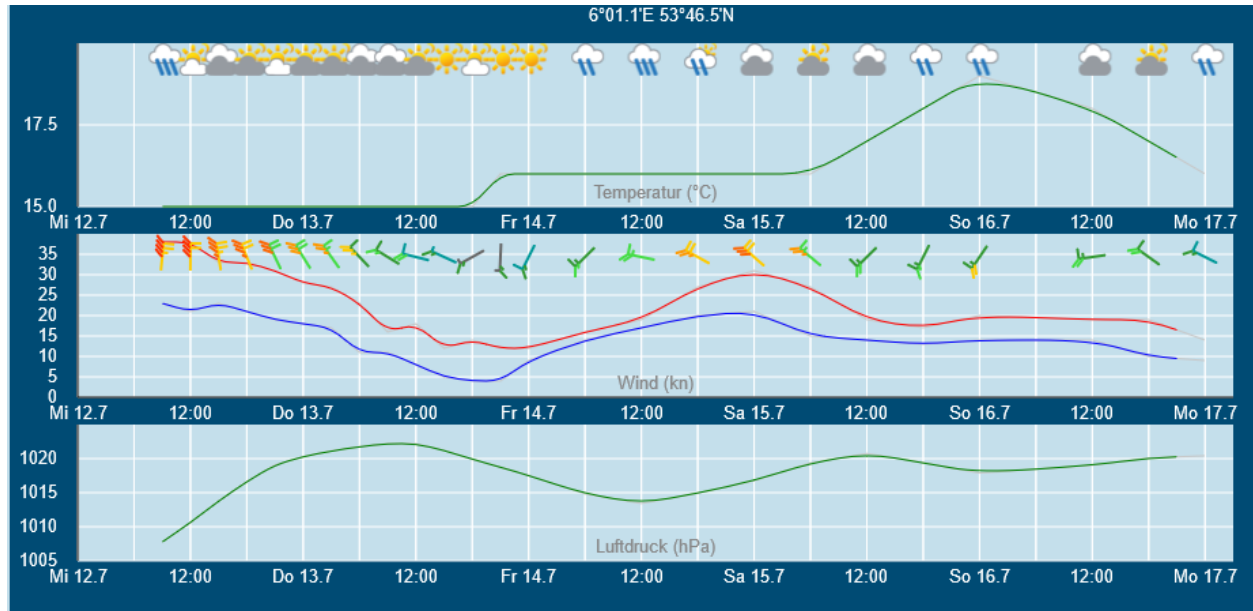
Tap again anywhere on the chart or the graph to return to the map.

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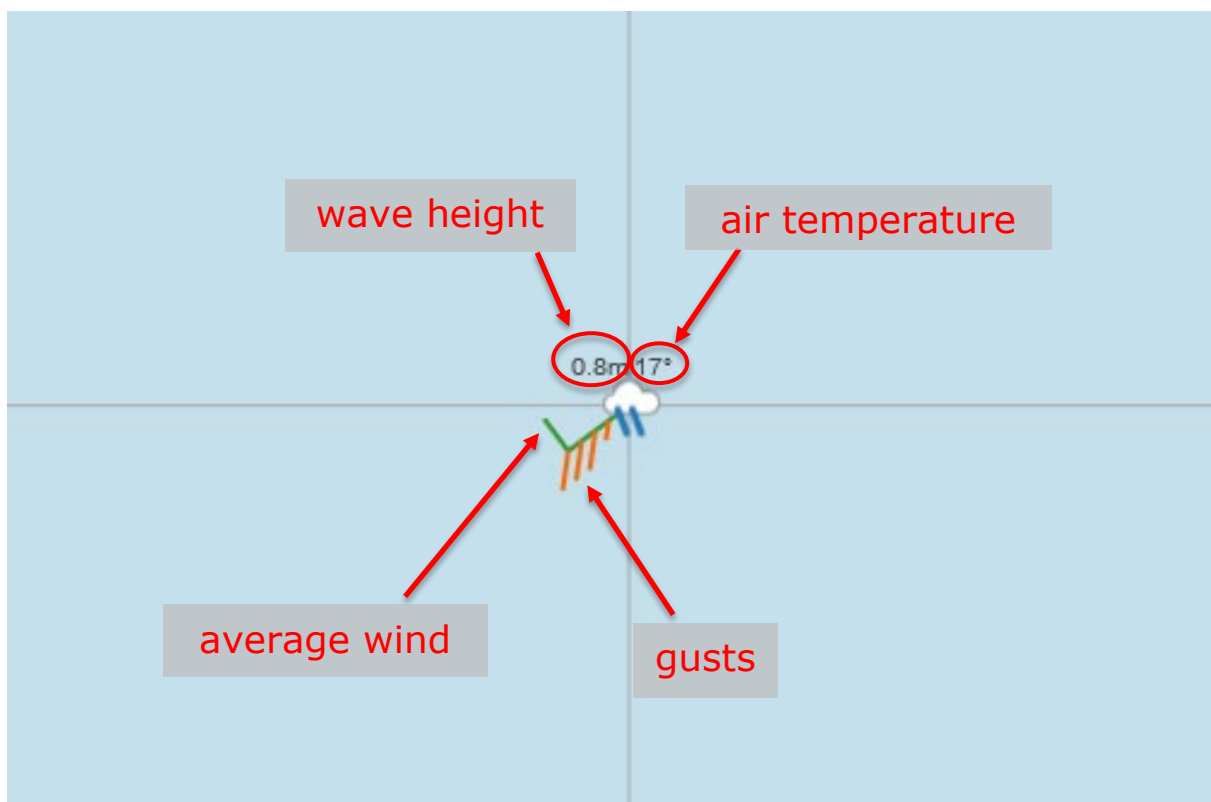
Context menu/functions

There are two ways to open the menu: longer tapping of any spot on the map or a short tap on the upper display edge.
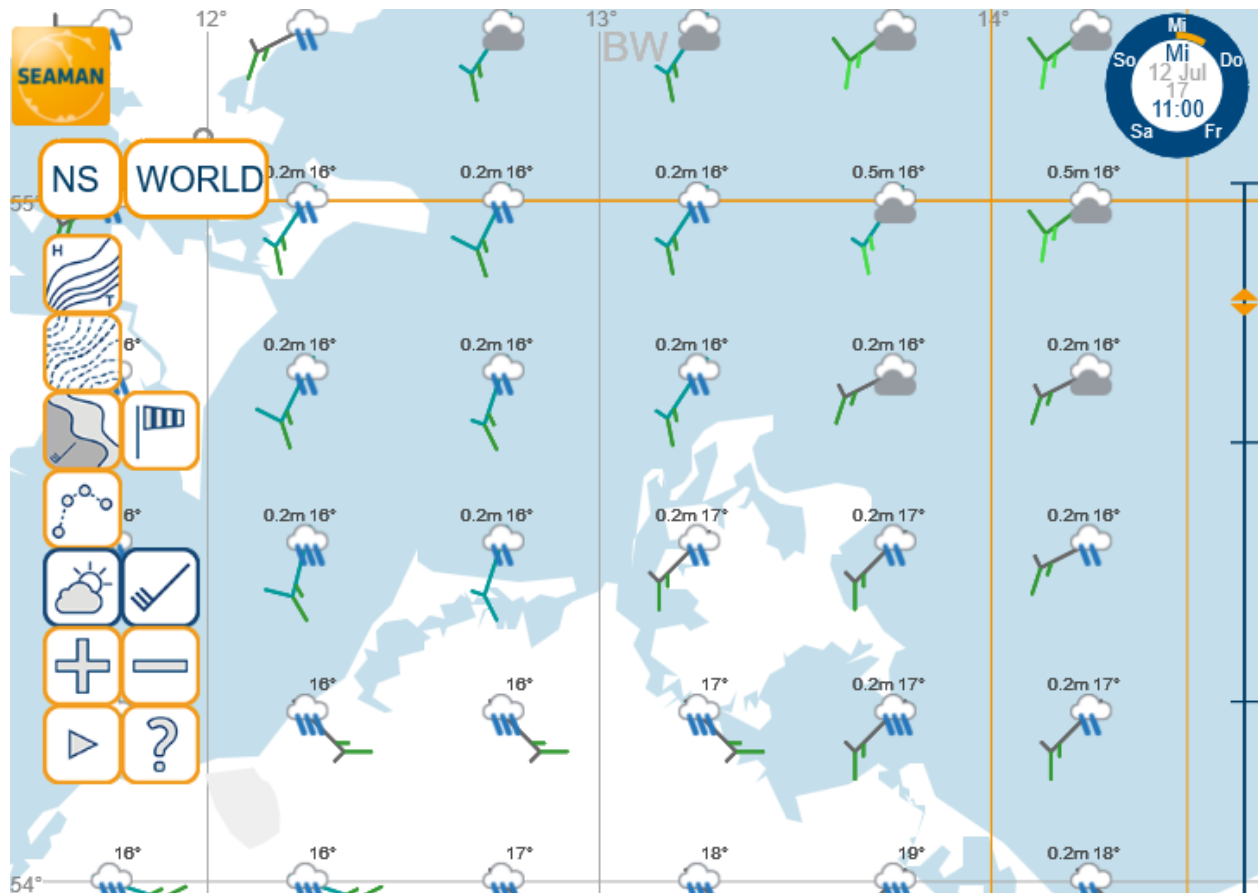
At the top of the menu you can see all additionally available areas for the map. Above those are NS (Northern Sea), CE (Central Europe) and World. (The current package is named in the center in light gray.)

The following functions can be activated via icons in the menu:

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Icon	Description	Icon	Description
	Show Isobare (5hPa for World else 1hPa)		Show wind flow
	Show average wind as area (starting at 5kn)		Show gusts (area) (starting at 25kn)
	Trip mode on		
	Fade out weather symbol (grid)		Fade out wind (grid)
	Zoom in		Zoom out
	Start animation		Show help

Color oft he icon frame:
orange = show / activate
blue = fade out / deactivate

If a function was activated the frame color changes, tap it again to deactivate it.
Taping the SEAMAN logo in the upper left hand corner always brings you back to the start screen.

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Trip planning

The trip planning takes into account the influence wind (direction and speed) has on your speed and quickly shows you parts the require you to beat.
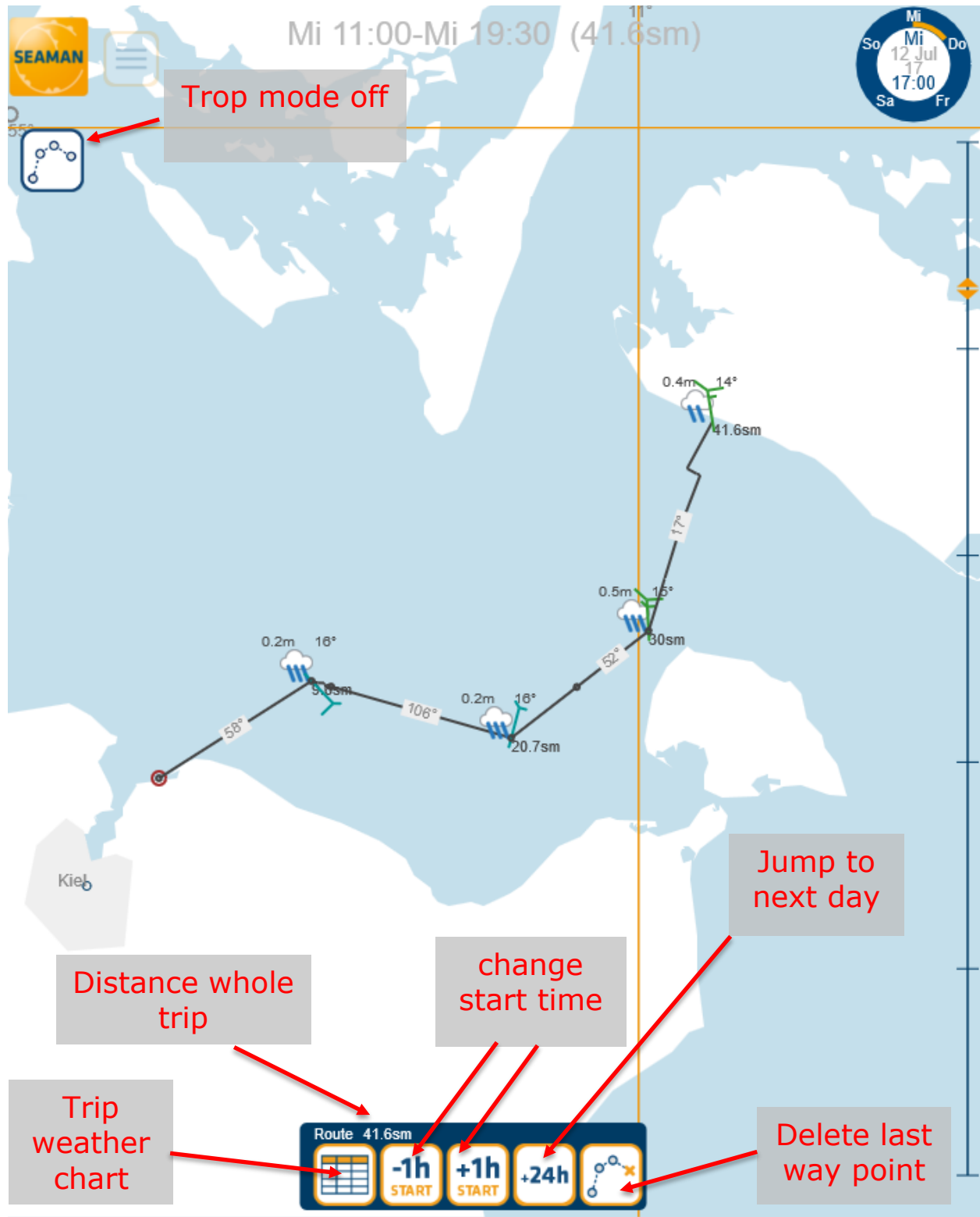
Set the start time with the time circle or time line. Start the trip planning by tapping on the icon. No tap the start point and waypoints of your trip. You can see the distances (direct line) and weather along the trip right away.

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By clicking on the +24 icon before setting another waypoint the trip plans for a break till the start time of the first day is reached again.

By clicking on the weather chart icon you can see the trip weather with all parameters.
This includes the influence that the wind conditions have on your speed. The base speed is your speed at 4Bft and half wind as you input it in the setup dialog

AWA = apparent wind angle
TWA = true wind angle
COG = course over ground
sm = sea miles over ground (shortest distance, not including extra miles for portions you have to beat)

Wind = wind
Mittelwind = average wind
Boen = gusts
Welle = waves
Zeit = time
Kurs = course

Start: Mi 11:00 12.7.17							
Zeit	Lon / Lat		Wind/Böen	Kurs / COG / sm	AWA / TWA	hPa / °C	Welle
Mi 11:00	10°16.0'E 54°25.6'N		2/4 Bft 3/14 kn	58° 0	36° 78°	1007 15°	-
13:45	10°30.0'E 54°30.8'N		3/4 Bft 8/14 kn	58° 9.6	45° 78°	1007 16°	193° 0.2m
14:00	10°31.8'E 54°30.5'N		3/4 Bft 8/14 kn	106° 10.7	-38° -65°	1006 16°	-
15:40	10°48.3'E 54°27.7'N		2/4 Bft 5/13 kn	106° 20.7	-56° -91°	1006 16°	182° 0.2m
17:00	10°54.3'E 54°30.4'N		4/6 Bft 15/25 kn	52° 25.1	-41° -58°	1007 15°	23° 0.6m
17:40	11°00.9'E 54°33.4'N		4/6 Bft 14/23 kn	52° 30	-39° -56°	1007 15°	15° 0.5m
19:30	11°06.8'E 54°44.5'N		4/6 Bft 13/22 kn	17° 41.6	-19° -26°	1007 14°	295° 0.4m

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Specifics data set 48h

The data sets 48h with a resolution of 1h and 6sm is avaiable fort he following areas:

BE	Baltic East	BI	Biscay
BN	Baltic North	BW	Baltic West
CE	Central Europe - (D, NL, A, CH)	MC	Mediterranean Central
ME	Mediterranean East	MW	Mediterranean West
NS	Northern Sea	PT	Portugal
SFH	Shetlands/Faroes/Hebrides		

The handling is the same as for the 120h data, but only for the parameter wind.

	Show Isobare (1hPa)		Show wind flow
	Show average wind as area (starting at 5kn)		Show gusts (area) (starting at 25kn)
	Zoom in		Zoom out
	Start animation		Show help

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Specifics current data

Available or the following areas:

Curr. GB	N North Sea German Bright	Curr. Fi	N North Sea Fisher
Curr. SK	N Skagerrak	Curr. BS	B Baltic S
Curr. BE	B Baltic SE	Curr. BW	B Baltic SW
Curr. KT	B Kattegat	Curr AN	M Adria North
Curr. AS	M Adria South	Curr. AE	M Aegean
Curr. SI	M Sicily	Curr. CO	M Corsica Sardinia
Curr. BA	M Balearic	Curr. GI	M Gibraltar
Curr EE	N English Channel East	Curr EM	N English Channel Middle
Curr EW	N English Channel West		

The handling is the same as for the 120h data, but only for the parameter current.

	Show current as flow		
	Zoom in		Zoom out
	Start animation		Show help

The length of the arrows indicates the strength of the current.

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Datentransfer/Updates

SEAMAN was optimized for minimal Data transfer.

The first download is about 7MB large.

New weather data is available twice daily at around 1 and 13 UTC.

The 120h data sets range in size between about 115 and 350 KB

SEAMAN is updated and improved regularly. We will inform you via our newsletter when and update is pending which will than cause a bit higher volume of data transfer the next time you start the app.

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Legend

Wettersymbols

☀	sunny	🌤	sunny with some clouds	🌥	sunny with clouds
☁	overcast	🌤	hazy / early morning fog	☰	fog
🌦	a little rain	🌧	rain	🌦	alternating clouds and rain showers
🌨	Alternating clouds and snow showers	❄	a little snow	🌧	strong rain
🌨	rain and snow	❄	snow	⛈	alternating clouds and thunderstorms
⛈	thunderstorm	⛈	heavy thunderstorms with snow/ sleet/ hail		

Wind

You can tell the direction and speed from the wind arrows. A short line is 5kn a long on 10kn a triangle 50kn. A circle means less than 3 kn.
The average wind is marked by the line with the 90° angle, the gusts by the slanted lines.

Farbcodierung: <4kn (black), 5-9kn (blue), 10-14kn (dark green), 15-19kn (light green), 20-24kn (yellow), 25-29kn (orange), 29-34kn (orange red), 35-39kn (red), 40-44kn (dark red), >=45kn (purple)

5-9 kn 2-3 Bft	10-14 kn 3-4 Bft	15-20 kn 4-5 Bft	21-24 kn 5-6 Bft	25-29 kn 6-7 Bft	30-34 kn 7-8 Bft	35-39 kn 8 Bft	40-44 kn 9 Bft	<=45 kn 9 Bft +

in Bft	kn-Fieder	kn	m/s	km/h
0	O	< 1	0 - 0,2	< 1
1	O	1 - 3	0,3 - 1,5	1 - 5
2		4 - 6	1,6 - 3,3	6 - 11
3		7 - 10	3,4 - 5,4	12 - 19
4		11 -15	5,5 - 7,9	20 - 28
5		16 - 21	8,0 - 10,7	29 - 38
6		22 - 27	10,8 - 13,8	39 - 49
7		28 - 33	13,9 - 17,1	50 - 61
8		34 - 40	17,2 - 20,7	62 - 74
9		41 - 47	20,8 - 24,4	75 - 88
10	▲	48 - 55	24,5 - 28,4	89 - 102
11	▲	56 - 63	28,5 - 32,6	103 - 117
12	▲	> 63	> 32,6	> 117

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Forecast areas:

BE	Baltic East	BI	Biscay
BN	Baltic North	BW	Baltic West
CAE	Caribbean East	CAW	Caribbean West
CE	Central Europe (D, NL, A, CH)	CN	Canaries
CU	Cuba	CV	Cap Verde
IE	Ireland	MC	Mediterranean Central
ME	Mediterranean East	MW	Mediterranean West
NO	Norway	NS	Northern Sea
PT	Portugal	SFH	Shetlands/Faroes/Hebrides