

XC Therm in XCSoar

Step-by-step guide to integration and use

What does the forecast show?

The XC Therm forecast shows the vertical lift of the air mass – the decisive signal for wave and convergences. Available for the regions **CH** (Alpine arc) and **UK** (United Kingdom) at different altitudes.

Offline use: The hourly forecasts can be downloaded for 18 hours so that, for example, you have all forecasts available for long wave flights. An intelligent caching mechanism only overwrites old forecasts when the new ones are fully loaded.

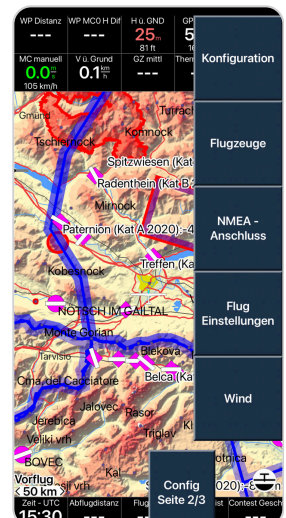
1 Open configuration menu

To enter the access credentials for XC Therm, open XCSoar's main menu.

Tap **Config.** in the bottom menu bar and select the top item **Configuration** in the following menu to open the main settings.



Open main menu



Select configuration

2 Enter access credentials

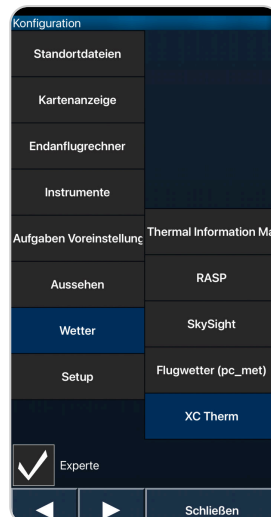
Configuration → Weather → XC Therm

In Configuration, choose the **Weather** tab and tap **XC Therm**.

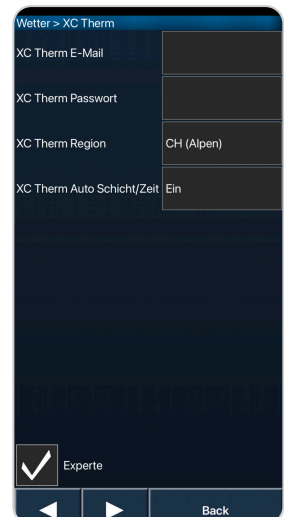
Enter your XC Therm email and password *once*. Also select your desired region (CH or UK).

Recommendation: Auto layer/time = On

If this option is enabled, XCSoar will **automatically adapt the displayed weather map to your current GPS altitude and the current time** during flight. You therefore don't need to switch maps manually when climbing in wave.



Weather tab in Configuration



Set login & auto setting

3 Switch to the Info menu

Menu → Info → Weather

After the account is linked, navigate to the **Info menu** for regular operation (downloads, etc.).

Tap **Weather** there to open the XC Therm download center.

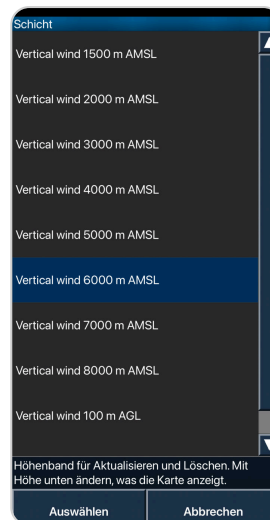


Open weather info

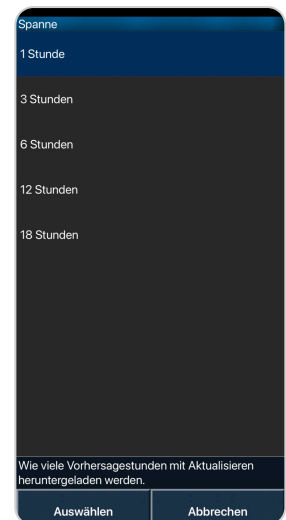
4 Choose layer and range

Now decide which weather data to download:

- ✓ **Layer:** Choose the desired altitude band (e.g. Vertical wind 3000 m AMSL).
- ✓ **Range:** Define how many hours ahead (1, 3, 6, 12 or 18 h) the forecast will be loaded for.



Altitude band (layer)

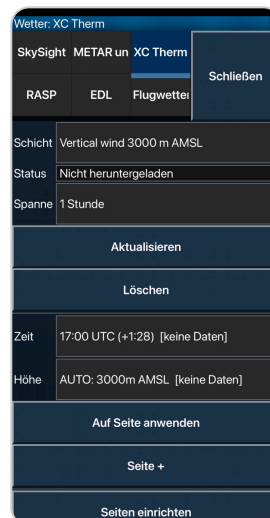


Time range (span)

5 Download forecast

Tap **Refresh** to start the data download.

In the *status field* you can monitor whether the data has been downloaded. The entry **Issued 2026-XX-XX YY UTC** indicates the model run. This is updated several times a day. So it's worth refreshing once during long wave flights if you have mobile data available. The slices are loaded sequentially.



Status before download



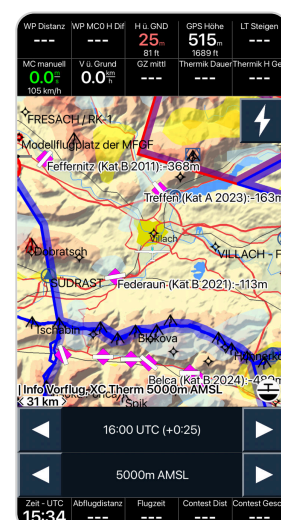
Successfully updated

6 Display on the map

In the overlay menu you can select the height and time at any time if you want to change them manually.

Tap **Apply to page** to activate the overlay. In other menu items (such as **Setup pages**) you can also configure on which pages the XC Therm overlay should be shown permanently and where not.

Clicking on a colored area on the map also displays the rendered vertical lift value as a precise numeric value.



Active XC Therm overlay