HELP

Identify a fish live

Recognise species with the iPhone camera during the dive, tune the sensitivity and check the detections afterwards.

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Written with the help of an AI

What it is for

During the dive, the iPhone in its housing recognises the fish passing in front of the camera and notes the species you meet. Back at the surface, you check the list and it joins your logbook.

Before you start

- An iPhone running iOS 17 or later, in a waterproof housing rated for your depth.
- Camera access granted to Reefwise.
- No connection is needed underwater: recognition runs on the phone.

Identify during the dive

1. In the main menu, tap **New Session** (“Identify fish live”). The camera opens and the session starts at once.
2. Leave the **Analysis** switch on and frame the fish. A green box surrounds it when it is spotted.
3. Read the banner at the bottom of the screen: the species name and **Dangerous** or **Not dangerous**, with a red or green hand. With no fish recognised, it shows “No detection”.
4. Carry on with your dive: each recognised species is added by itself to the **Species detected** line, with the number of times it was seen (“Name ×3”). You have nothing to validate underwater.
5. To finish, tap **End** at the top right. The “Session saved” screen sums up the media and the recognised species, and tells whether the session goes to your logbook. The back arrow also ends the session, without this summary.

> The first time a dangerous species is recognised during the session, the iPhone vibrates on top of the “Dangerous” label; it does not vibrate again for the same species, and plays no sound. A species can be misidentified or missed altogether: never rely on the app to approach or touch an animal.

Check the detections after the dive

1. Open **Session History**, then the session.

2. The **Camera detections** section lists each species with its confidence level and, when there are any, **Other proposals**.
3. For each species, tap **Confirm**, **Correct** or **Not this fish**.
4. Your checks go to your logbook with the next sync, which starts by itself when you leave the detail if you are signed in (see “Add a dive session”).

Only confirmed or corrected species count in **Validated species**. In the web space, the same check is offered in the dive detail.

Tune the recognition

In **Settings**, section **Identification**:

Setting	Effect	Starting value
Minimum confidence	Below this score, the species is neither shown nor noted. Lower it to see more proposals, at the cost of more mistakes.	80%
Analysis interval	Time between two analyses of the image. Shorter: more responsive, but heavier on the battery.	2 s
Keep the screen awake during the session	Prevents the screen from sleeping in the housing.	On

The **Model & fish database** section lets you choose the **Active model** and load it with **Download / Update**. A model weighs around 180 MB: do it on Wi-Fi, before you leave.

Good to know

- Without a connection, recognition works with the model already on the phone. The connection is only used to download a model, update the fish database and sync.
- The confidence level and the other proposals are not shown underwater: you read them after the dive.
- A detection has no photo. To keep an image, use the photo or video button of the screen: the media is attached to the session with the species shown at that moment. After the dive, you can also add photos from your library in the session detail (**Add photos or videos**).
- If a species is not in the fish database, the banner shows a technical identifier instead of the name.
- The screen stays on for the whole session: leave with a charged battery.
- Live identification does not exist in the web space.

Going further

Correct a misidentified species: see “Change the detected species”. To have a photo taken with another device analysed: see “Analyse a photo”.

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