ArrowCrab AI Diver

User Guide · Version 2.2

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Arrowcrab Diver is the dive-log edition of ArrowCrab AI Dive Studio: the same engine, focused purely on your dives — imports, trips, the dive table, buddies, charts and gas analysis. It has no photo, video, or slideshow features. Dive log files are fully interchangeable with the other Arrowcrab apps: a log saved here opens complete in ArrowCrab AI Dive Studio (including any pictures it already contained — they are simply not shown here).

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1. OVERVIEW

Arrowcrab Diver organizes your scuba dives and trips in one place. Everything is stored locally on your computer in dive log files (.db) — no accounts, no cloud.

The main screen has a header bar (import, dive log, settings), a tab bar (Trip Dashboard, Trip Details, Dive Table, Charts, Gas Analysis, Buddies), and the content area. Every button shows a tooltip when you hover over it.

In the header title bar:
- click the circled ? after the title to open this guide
- click the "Arrowcrab Diver" title for the About box (version, author, contact)
- hover over the ArrowCrab logo for "Ask ArrowCrab AI" (section 6)

The stat tiles under the header are shortcuts: click Dives to open the Dive Table, a chart tile to open that chart, and the Trips tile to filter everything by location or jump to Trip Details.

2. GETTING DIVE DATA INTO THE APP

Three ways to import dives:

A) Shearwater phone app export
On your phone: Profile > Options > Export (*.db), send the file

to yourself, then in the app: Import Dives > Import DB from Shearwater Dive DB and pick the file. (The welcome screen's (i) icon shows these steps too.)

B) Direct download from the dive computer (Bluetooth or USB)
Import Dives > Download from Dive Computer (Bluetooth / USB). The app scans Bluetooth LE and USB for any supported computer (Shearwater, Suunto EON/D5, Aqualung i330R / Apeks DSX, Oceanic, Mares, Scubapro, OSTC, Cressi, Ratio, ... about 350 models via libdivecomputer) and shows what it found; pick one if there are several. Bluetooth computers must be in their Bluetooth/transfer mode (Shearwater: Settings > Connectivity > Bluetooth > On; i330R: open its Bluetooth screen - the first time it shows a 6-digit code to type into the app). For a USB serial cable you choose the model from a list. Already-imported dives are skipped and each dive is stamped with the exact computer model. Every computer you import from is remembered in the dive log's computer table (Settings > Dive Computers).

C) FIT / UDDF dive-log files (Garmin, Suunto, Apple Watch)
Import Dives > Import FIT / UDDF file. Pick one or more files:
- Garmin Descent: Garmin Connect > open the dive > menu > Export Original (.fit)
- Suunto Ocean, D5, EON Core / EON Steel, Nautic S: Suunto app > open the dive > Share > Export as FIT (.fit)
- Apple Watch Ultra with Oceanic+: Oceanic+ app > open the dive > Share > Export UDDF (.uddf)

After every import the app asks how to organize the new dives:
Group by time dives close together in date become a trip; dives near an existing trip join it
Import all into one log no time grouping — every dive goes into a single trip named "DiveComputer Load" (you can carve real trips out of it later — see section 4)
Then you choose the starting "actual dive number" for the new dives.

3. DIVE LOGS (SAVING AND LOADING)
A dive log is one .db file holding everything: dives, trips, buddies, settings.

Save As New Dive Log first save / "save as" with a name
Quick Save one click back into the current file
Load Dive Log open an existing dive log
New Dive Log start fresh
Default log Settings > set current log as default; it loads automatically at startup

Save location — local or cloud
When you save, a "Save Location" chooser appears first (only if a

cloud drive is detected on this computer): the app's own projects folder, or a cloud folder (iCloud Drive, Google Drive, OneDrive, Dropbox). A cloud folder makes the file reachable from your phone and other computers signed into the same account.

The header's date line always shows which log is open and updates when you load a log or save it under a new name.

Dive logs saved by the iPhone use its own .acdsproj format; the desktop app opens those too (Load Dive Log lists both .db and .acdsproj). Saving from the desktop always writes the .db format, which every device reads.

Files live in the "projects" folder — next to the app on Windows, in ~/Library/Application Support/ArrowcrabDiver on macOS. Closing the app prompts you to save unsaved changes.

Logs are interchangeable with the other Arrowcrab apps — anything photo-related a log already contains is preserved untouched, just not shown here.

4. TRIPS

Trips are created automatically from imported dives (grouped by time/location), or manually with "Add Trip" (name, dates via calendar pickers, place of stay, description). Each trip card shows dive count, hours, max depth, and average gas, with a unique color. The dates on the trip tile always span from the trip's first dive to its last dive.

Adding a trip with a date range MOVES matching dives into it: any dive whose start date falls inside the range and that is not already in a real named trip (i.e. dives sitting in "DiveComputer Load", "Individual Dives", or with no location) becomes a member of the new trip. This is how you carve real trips out of a bulk "Import all into one log" download: add each trip with its dates and the dives sort themselves. Dives already in a named trip are never taken.

Two trips can share a location (e.g. Roatan 2025 and Roatan 2026): they are fully independent — each dive belongs to exactly one trip, and adding, editing, or deleting dives in one never affects the other.

The Trips stat tile filters everything by location: click it, pick a location (or All Locations) and the dashboard, table and charts show only that location. The same menu jumps to Trip Details.

The buddies icon on a trip tile opens the Trip Buddies popup: add a buddy once and it applies to all the trip's dives (and to dives you add to the trip later).

Trip card icons / Trip Details table actions:
plus add a dive to the trip
buddies see who dived with you
pencil edit trip details
trash delete the trip

5. DIVES
The Dive Table lists every dive; click a column header to sort, click a row for the detail view (stats, tank pressure chart).

The Actual Dive # is every dive's identity — it must be unique and it is the number shown everywhere (table, detail view, tooltips, charts). Computer imports pick unused actual numbers automatically starting from the number you choose.

Row icons: edit dive, buddies, computer type. The ✎ edit window lets you change everything, including the dive computer data (depths, duration, temperature, pressures, O2 %, GF99), the date, and the times.

"Add Dive" (or the plus icon on a trip) opens a compact entry form with three sections:
Dive Info date, shown as MM/DD/YY (type 7/15/26 or 7/15/2026, or click the calendar icon to pick it), optional start/end time (duration is auto-computed when both are set, or type it in yourself), and Actual Dive # — required, unique, pre-filled with the lowest unused number.
Location type any location or pick one from the pull-down of places you've dived before. Picking a date auto-fills the location from the trip date range until you type your own. The Site suggestions follow the location.
Dive Data depth, duration, tank pressures, O2%, temperature

Tick "Add Detail Dive Data" for the rest: log type, computer type, objective, dive type, visibility, conditions, verifier, comments.

"Add Another Dive" saves the current dive and keeps the form open for the next one: the date, location, and O2 % carry over, and the Actual Dive # moves to the next available number. The ▲ / ▼ arrows choose the direction — ▲ counts up by 1 (default), ▼ counts down, handy when entering an old logbook newest-to-oldest.

6. ASK ARROWCRAB AI (DIVE LOG CHAT)
Hover over the ArrowCrab logo in the top-left of the header and an "Ask ArrowCrab AI" button appears (only when an API key is set in Settings). Click it to open a chat window.

Ask anything about the current dive log in plain language — for example "what was my deepest dive?", "which trip had the most dives?", "who did I dive with in Bonaire?", "summarize my 2025 diving". The conversation remembers earlier questions so you can

ask follow-ups. Only the dive log data is sent, and only when you press Send.

7. BUDDIES
The Buddies tab manages your dive buddy list: contact info, home town, photo, comments. Assign buddies per dive with the buddy icon in the dive table. Buddy statistics show how many dives you've shared.

8. CHARTS & GAS ANALYSIS
Charts tab: depth trends, durations, temperatures, dive frequency, location distribution, tank pressures. Gas Analysis tab: consumption rate over time and by location, start/end pressure profiles, SAC rates, O2 mixes. Units are feet, Fahrenheit and PSI.

Charts are labeled by Actual Dive #, and every measurement chart includes only dives that actually have that data. Clicking a bar or point jumps to the dive's detail view. The ■ on any chart title opens that chart as a single large chart; tooltips and click-to-dive work there too.

Every chart — small or large — can be zoomed: click the ■ / ■ icons on the chart title, scroll the mouse wheel (or pinch on iPhone) over a chart to zoom the dive axis, drag to pan while zoomed, and double-click to reset.

9. SETTINGS
API keys Anthropic / OpenAI for Ask ArrowCrab AI
Preferred provider which AI to use
Owner profile name, contact, license, certifications (appears on the dashboard header)
Keep My Data reuse your owner profile in new logs
Background choose any photo as dashboard background
Default log auto-load on startup
Dive Computers every computer this log has imported from

10. TROUBLESHOOTING
Blank window at startup (Windows)
Install the Microsoft Edge WebView2 runtime:
https://developer.microsoft.com/microsoft-edge/webview2/
(macOS uses the built-in WebKit — no runtime needed.)

Bluetooth download can't find the dive computer
Enable Bluetooth on the computer (Settings > Connectivity > Bluetooth > On) and keep it awake near the PC. If several computers are nearby, pick yours from the list shown.
macOS: the first download asks for Bluetooth permission — click Allow (re-enable later in System Settings > Privacy & Security > Bluetooth if you declined).

Windows SmartScreen blocks the app
Click "More info" then "Run anyway" (the app is unsigned).

macOS says the app is from an unidentified developer / "damaged"
The app is unsigned. Right-click (Control-click) the app, choose "Open", then "Open" again. On macOS 15+ approve it under System Settings > Privacy & Security > "Open Anyway". Or clear the quarantine flag once in Terminal:
xattr -dr com.apple.quarantine "/Applications/Arrowcrab Diver.app"

Crash on launch: "Failed to resolve Python.Runtime.Loader.Initialize"
Windows blocked the app's files because the zip was downloaded from the internet. Fix: open PowerShell and run (adjust the path to where you extracted the app):
Get-ChildItem "C:\ArrowcrabDiver" -Recurse | Unblock-File
(To avoid this next time: right-click the zip before extracting, choose Properties, tick "Unblock", click OK.)