AQUARINO

APP

USER MANUAL



All your Aquarino equipment
on your phone and in the cloud

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Preface

Like every aquarist, I looked for what was best for my fauna and flora; it took a lot of equipment, products and study.

After buying several devices to monitor, control and help me care for my aquarium, I realised that none of them met my needs perfectly. There was difficult setup, high cost and plenty of limitations.

So I decided to use my knowledge of technology, and my own resources, to offer our hobby a new option. That is the moment Aquarino was born.

I am very proud of what we have built. Many aquarists took an active part, sending suggestions. We only reached this result because you believed in the project.

What we want to keep as the essence of Aquarino is direct contact with aquarists, close support and service, and speed in delivering new features and products.

Join our channels to ask questions, send suggestions and talk about the hobby:

- WhatsApp: https://chat.whatsapp.com/Hp9GjAmptpUEzbykjlUCMC
- Facebook: https://www.facebook.com/AquarinoController
- YouTube: https://www.youtube.com/c/aquarino

Aquarino depends on all of us to move forward and become a reference in usability, features and service for aquarists worldwide.

Thank you! We will repay your trust, and take our hobby to a new level.

Laercio M F Junior

Founder and Director of Innovation, Aquarino

How to use this manual

This manual covers the **Aquarino app** — the hub that brings all your equipment together on your phone. The screens of each piece of equipment inside the app (the Controller's outlets, the KH's calibration) belong to each product's own manual; here the focus is on what belongs to the app: account, devices, sharing, notifications and integrations.

Four kinds of highlight appear throughout the text:

> BACKGROUND
> Explains the reasoning behind a recommendation.

> TIP
> A practical suggestion that saves time or improves the result.

> CAUTION
> A situation that can get in the way of using the app. Worth reading.

> EXAMPLE
> A concrete case, to make the concept stick.

> BACKGROUND
> **The screens in this manual**
> The Aquarino app is updated frequently, and the manual follows every update. Small differences from these descriptions are expected and do not indicate a problem.

PART I

Getting to know the app

What the app does and how to install it on your device.

1 What the Aquarino APP is

2 Installing the app

CHAPTER 1

What the Aquarino APP is

The **Aquarino APP** is Aquarino's official app: a single hub that brings all your equipment — Aquarino KH, Controller and Display — to your phone, with access from anywhere through the cloud.

1.1 What it does

- **Brings your equipment together** in a single list, with each unit's online/offline state.
- **Controls each piece of equipment** with the same screens as the Local Manager — outlets, sensors, dosers, rules, graphs.
- **Adds new equipment** with a wizard that handles the network setup from start to finish.
- **Shares access** with people you trust — whoever looks after the aquarium during your holidays.
- **Notifies you** by push, e-mail or Telegram, your choice, equipment by equipment.
- **Integrates**: Alexa, Telegram, and API tokens for partner apps.
- And it also brings **aquarium calculators** — volume, salinity, alkalinity, water change and more.

1.2 Local and cloud, without you thinking about it

The app reaches the equipment through two paths: **directly over your network**, when you are both in the same house, or **through the Aquarino cloud**, from anywhere. The switch is automatic — you open the equipment and the app picks the best path available.

> BACKGROUND
> A few critical actions — configuring Wi-Fi, calibrating, shutting down, resetting the network and factory reset — only work with the phone **on the same network** as the equipment. Away from it, the app lets you know: this is a deliberate protection.

CHAPTER 2

Installing the app

Aquarino is a native app, available in the official stores:

Platform	Where to download	Requirement
Android	Google Play	A recent Android version, with Google Play
iPhone / iPad	App Store	iOS 15 or later

Direct links for installation:

- **Google Play** — https://play.google.com/store/apps/details?id=br.com.aquarino.app.aquarino
- **App Store** — https://apps.apple.com/app/id6748412755

If you prefer, search for **Aquarino** in your device's store. Install it, open it, and the sign-in screen appears: if you already have an account, sign in; if not, Chapter 3 takes care of that.



The sign-in screen: enter with your account, recover your password or create a new account.

BACKGROUND

Were you using access through the browser?

Access through the cloud.aquarino.com.br site installed as a PWA is being **discontinued** in favour of the app. Your account is the same — just install the app and sign in with the same e-mail and password.

TIP

The app is available in **Portuguese, English and Italian** — it opens in your device's language, and you can change it in your profile (Chapter 5).

PART II

Your account

Creating, protecting and adjusting the account that ties everything together.

3 Creating and activating the account

4 First sign-in

5 Profile and security

CHAPTER 3

Creating and activating the account

The Aquarino account is what links the equipment to you — it is how you sign in to the app, receive alerts and share access.

3.1 Creating the account

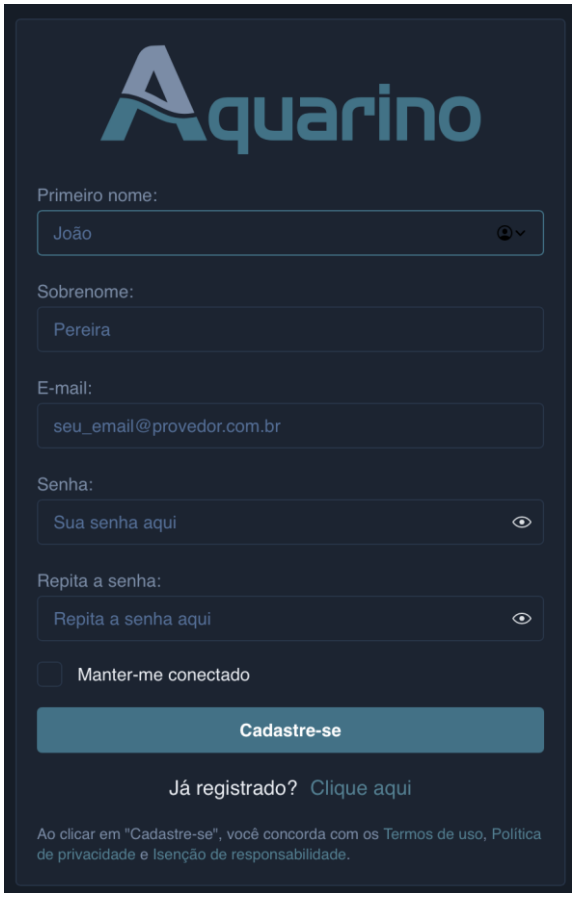
On the sign-in screen, tap **Create an account** and fill in:

Field	What to enter
First Name and **Last Name**	How you want to be identified
Phone	With the country selector. Used by support to reach you
Email	An address you actually check — that is where the activation PIN and the alerts arrive
Password and **Confirm password**	See the requirements below

Password requirements

- 8 to 60 characters;
- at least one uppercase letter;
- at least one lowercase letter;
- at least one number;
- at least one special character.

The app shows the list on screen and ticks off each requirement as you type.



Creating the account: fill in your details and confirm the password.

3.2 Activating with the PIN

Once the registration is complete, you receive a **6-digit PIN** by e-mail. Enter it on the activation screen and tap **Activate account**.

> **TIP**
> Didn't receive it? Check your spam folder and use **Resend activation PIN** — the button shows a countdown between sends, and each new code invalidates the previous one.

3.3 Forgot your password

On the sign-in screen, **Forgot password?** sends a code by e-mail; with it, you set the new password right away. If you already have a valid code, the **I already have a code** option jumps straight to that step.

CHAPTER 4

First sign-in

Right after you sign in for the first time, the app walks you through a quick preferences setup:

1. **Welcome** — a summary of what comes next.
2. **Biometric lock** — protect the app with your fingerprint or facial recognition. Recommended: the app commands your aquarium's equipment.
3. **Push notifications** — equipment alerts straight to your phone's screen. When you turn this on, the app switches your devices' alert preferences to push.
4. **Done** — review the summary and tap **Start**.

> BACKGROUND
> Nothing here is final: biometrics, notifications and language can all be changed at any time in your profile (Chapter 5).

CHAPTER 5

Profile and security

The app's side menu — your name at the top — gathers the account settings.

5.1 Profile

Field	Detail
First Name, Last Name, Phone	Editable at any time
Email	Read-only — it is the account's identity
Language	Portuguese, English or Italian
Telegram Account	Links or unlinks Telegram to receive alerts (Chapter 15)
Biometric lock	When the app asks for your biometrics again: never, immediately, after 5 or 15 minutes, 1 hour or 1 day

5.2 Changing the password

In the side menu, **Change Password** replaces the account password — the requirements are the same as at registration.

5.3 Signing out and deleting the account

- **Sign out** ends the session on the device — the equipment keeps running normally, of course.
- **Account deletion** is done through the site: cloud.aquarino.com.br/auth/request-remove. You enter the e-mail, receive a confirmation PIN, and the removal is permanent.

> CAUTION
> Deleting the account removes your access and preferences. The equipment is left without an owner and will need to be linked to another account again for cloud access.

PART III

Your equipment

The device list, the setup wizard and access sharing.

6 The device list

7 Adding equipment

8 Removing equipment

9 Sharing access

CHAPTER 6

The device list

The device list is the app's front door: one card per piece of equipment, with everything you need to know before opening it.

6.1 The equipment card

Element	What it shows
Product photo	Controller, KH or Display — immediate visual identification
Name	The name you gave the equipment (the hostname)
Status triangle	**Green** = online (seen on the network or in the cloud within the last minute) · **red** = offline
Ownership icon	Person = equipment of **yours** · sharing arrow = **shared with you** (and the card shows the owner's name)
Local IP	The equipment's address on the network, when known
UUID	The unique identifier — the same one as on the System screen

Tap the card to open the equipment. If it is offline, the app lets you know — and offers the **Change network** action, which opens the Wi-Fi reconfiguration wizard.

6.2 Organisation and filters

- Equipment of **yours comes first**, then the shared ones, in alphabetical order.
- The **funnel** filters by ownership (all, mine, shared with me), by type (Controller, KH) and by name. The icon turns blue when a filter is active.
- **Pull the list down** to sync with the cloud.
- The **bell** at the top opens the notification inbox (Chapter 11), with the unread counter.
- The + card at the end starts adding a new piece of equipment.

CHAPTER 7

Adding equipment

The setup wizard takes care of everything: it talks to the equipment, hands over your network password and registers it to your account. There are six steps and it takes just a few minutes.

7.1 Before you start

- The equipment must be **plugged in**;
- Have your **Wi-Fi network name and password** at hand — and confirm the network is **2.4 GHz**;
- Stay **close to the equipment** during the process.

7.2 The six steps

1 · Device type

Choose **Controller**, **KH** or **Display**.

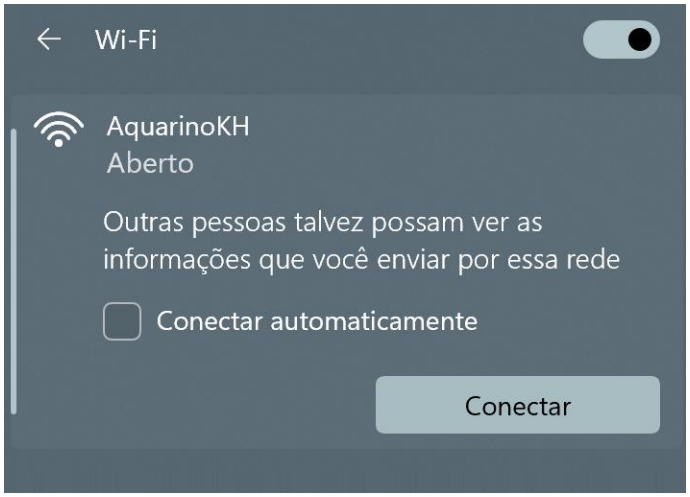
2 · Prepare your device

Power the equipment on and wait for the ready signs: the **startup beep** and the **blinking green LED** — the blinking is what indicates it is in setup mode. If the LED does not blink, unplug it, plug it back in and wait.

3 · Connect to Aquarino

The equipment creates a **temporary Wi-Fi network** — **Aquarino** for the Controller, **AquarinoKH** for the KH, **AquarinoDisplay** for the Display. The app shows the name and the **Open Wi-Fi Settings** button:

5. Connect your phone to the indicated network.
6. It has no password and no internet — when the phone warns you, **choose to stay connected**.
7. Return to the app and tap **I am connected**.



The equipment's temporary network in the Wi-Fi settings: open, no internet — and that is by design.

> **CAUTION**
> If the app detects the phone is on another network, it asks before moving on — "it looks like you are connected to X, not AquarinoKH. Continue anyway?". If the phone insists on jumping back to your home network, disable automatic network switching in the Wi-Fi settings.

4 · Network

The app lists the networks the **equipment** can see, from strongest to weakest. Pick yours, enter the password and tap **Configure**. Your network didn't show up? **Refresh networks** runs the scan again, and the **Manual SSID** option covers hidden networks.

5 · Configuring

The app sends your e-mail to the equipment — that is what links it to your account —, hands over the network and restarts it. The screen shows a **5-minute** countdown and stays awake until the end; the app polls the cloud every few seconds until the equipment shows up as registered.

6 · Done

Product photo, green icon, **Done**. The equipment joins your list and is already responding — from home or from anywhere.

7.3 If something fails

Situation	What to do
The 5-minute countdown ran out	It is almost always the **Wi-Fi password typed wrong**. Run the wizard again, checking the password carefully

Situation	What to do
The temporary network does not appear	Confirm the green LED is blinking. Equipment that was configured before does not open the network — use Reset Network on its System screen
The app does not list the networks	Confirm the phone really is on the equipment's network and tap Refresh networks
Configured, but it does not appear in the list	Check that the equipment connected (solid green LED) and pull the list to refresh

TIP

The guided assistant

Besides the classic wizard, the app has a **conversation mode** that guides you through the same steps in chat format — including **changing the network** of equipment that has moved house. It is the same process, with more company.

CHAPTER 8

Removing equipment

The trash icon on the card removes the equipment from your list. The effect depends on your role:

If you are...	What happens
Owner	You stop being the owner: the equipment leaves your list, your notification preferences are erased and it is left **without an owner** — ready to be linked by another account (or yours, again)
Guest (shared with you)	The equipment simply leaves **your** list. Nothing changes for the owner

> BACKGROUND
> Removing it from the app does not shut down or erase anything **on the equipment** — it keeps running the aquarium normally, with all its settings. The removal only breaks the link with your account.

CHAPTER 9

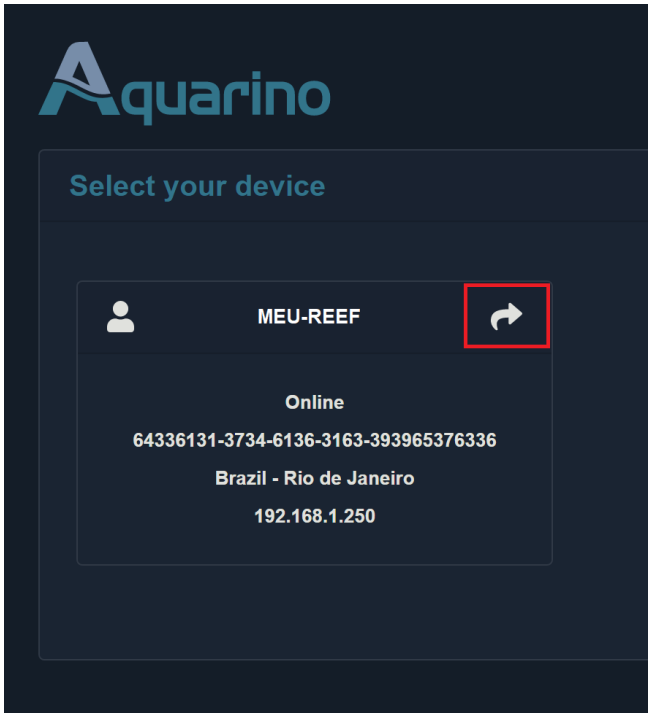
Sharing access

A beautiful aquarium demands constant attention, and travelling does not have to be a source of anxiety: share access with someone you trust, who watches and acts while you are away.

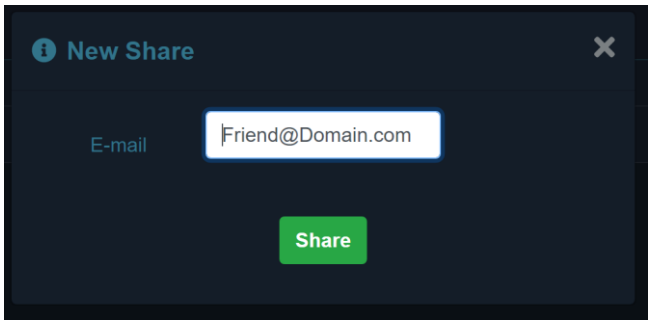
8 On the card of a piece of equipment of **yours**, tap the **share** icon.

9 Enter the person's **e-mail** and confirm with the +.

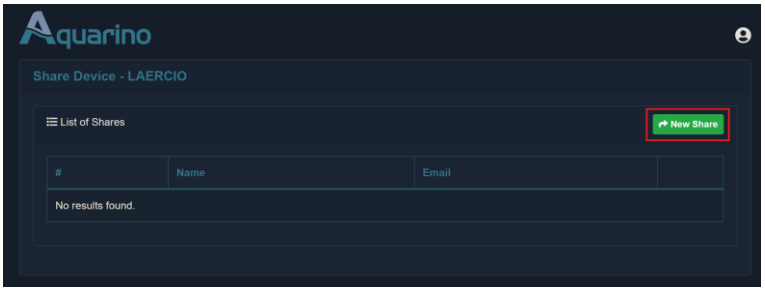
10 The person now sees the equipment in their list, marked as shared.



The equipment in the list, with the sharing shortcut highlighted.



Enter the e-mail of the person receiving access and confirm.



The list of people with access to the equipment — and where revocation happens.

- Only the **owner** shares — and revokes: the trash icon next to each guest removes the access instantly.
- The guest must **already have an Aquarino account** with the given e-mail; without an account, the app warns that the user was not found.
- Each guest picks their **own** notification preferences for the equipment — the alert that reaches you does not bother someone who did not ask for it.

> EXAMPLE
> A two-week holiday: you share the Controller with an aquarist friend. They watch the sensors, receive the alerts they chose and can act in an emergency — and on the day you return, one tap on the trash icon ends the access.

PART IV

Day to day

Navigating your equipment, getting the right alerts and using the tools.

10 Navigating a piece of equipment

11 Notifications

12 Calculators

13 Diagnostics

CHAPTER 10

Navigating a piece of equipment

When you open a piece of equipment, the bottom bar builds that product's areas — the same screens as the Local Manager, with the same names:

Product	Areas
Aquarino Controller	Home · Outlets · Sensors · Feeding · Dosers · Rules · Graphs · Logs · Custom. · System
Aquarino KH	Home · Graphs · Logs · Custom. · Configuration · System
Aquarino Display	Display · Logs · Custom. · System

The content of each screen belongs to each product's manual — the behaviour is identical to local access. What changes in the app:

- The **Aquarino** icon at the start of the bar goes back to the device list.
- Through the cloud, the **graphs** gain more resolution and longer periods than in local access.
- Critical actions — **Configure Wifi, Calibration, Shutdown, Reset Network and Factory Reset** — require the phone on the same network as the equipment. Away from it, the app explains: "this feature is not available remotely".

> BACKGROUND
>
> **Up-to-date firmware**
>
> The app requires the equipment to have up-to-date firmware. Outdated equipment appears blocked, with an update request: update it through the Local Manager (the update icon in the equipment's status bar) and come back.

CHAPTER 11

Notifications

11.1 Choosing the channel, per equipment

In the side menu, **Notification Preferences** lists your equipment, each with its own alert channel:

Channel	When it makes sense
Push	The fastest path — the alert on your phone's screen. Recommended for your main equipment
Email	The alert that stays on record in your inbox
Telegram	For those who live on Telegram — requires the linked account (Chapter 15)
Don't sent	Silence from this equipment — you still see everything in the app

> BACKGROUND
>
> The channel is **one per equipment**: choosing push disables e-mail and Telegram for that equipment, and vice versa. And the choice is **yours** — each person with access to the equipment sets their own channel.

11.2 The notification inbox

The **bell** on the device list keeps everything that arrived: sensor alerts, activations, system notices. When you open it, the phone's notifications are cleared; when you leave, everything is marked as read. The local history keeps the last **30 days**.

> TIP
>
> **The right alert on the right channel**
>
> The recipe that works: **push** for the urgent, **e-mail** for what needs to stay on record, and the equipment's own beep for whoever is next to the aquarium. And keep the equipment quota in mind — 50 e-mails a day each — when tuning your alerts: too many alerts become noise.

CHAPTER 12

Calculators

In the side menu, **Calculators** gathers the everyday sums of the hobby — without leaving the app:

Calculator	What for
Water volume	The aquarium's real volume, discounting what is not water
Sand bed	How much sand for the desired height
Salinity	Conversions between density, conductivity and salinity
Linear dilution	Adjusting solution concentrations
Partial water change	The effect of the water change on your parameters
Alkalinity · Calcium · Magnesium	Corrections of the big three, by product
GFO media · Carbon media	Sizing the reactor media
Energy bill	How much the aquarium costs per month
Heating · Cooling	Sizing the heater and chiller for your volume

CHAPTER 13

Diagnostics

When something seems off — equipment that does not show up, a flickering status — the **Diagnostics** screen (side menu) shows the health of the app's own communication:

- **MQTT** — the connection to the cloud: connected or not.
- **Local discovery (SSDP)** — the scan of your network, with the time of the last search.
- **Local probing** — the direct test of the known IPs.
- **Counters** — how many devices, how many online over the network, how many through the cloud.

The **export session logs** button generates a protected file to send to support — it is the X-ray that speeds up any assistance.

PART V

Integrations

Aquarino talking to the rest of your world.

14 Integration tokens and API

15 Telegram

16 Alexa and partner apps

CHAPTER 14

Integration tokens and API

Want to take your sensor data to a system of your own, an automated spreadsheet or a partner app? The **Integrations** menu creates **access tokens** — keys that grant read access to one piece of equipment's sensors, without handing over your account.

14.1 Creating a token

11 In the side menu, open **Integrations** and tap **Add**.

12 Give the token a **name** — the service that will use it, for example.

13 If you want, set a **password** and an **expiry** (up to 10 years, or no expiration).

14 Choose **the equipment** — one token grants access to a single piece of equipment.

15 Save and use the **Copy** button to take the token to the destination service.

The list shows the active tokens, with creation date, expiry and the **edit** and **revoke** actions — revoking cuts the access instantly, without affecting anything else.

14.2 The sensor API

The token grants access to the Aquarino cloud's read endpoint:

- `GET cloud.aquarino.com.br/api/integrations/sensors` with the token in the `Authorization: Bearer` header;
- The response brings the equipment, the firmware and the list of sensors with values and units;
- Limit of **12 calls per hour** per token — the recommendation is **one call every 15 minutes**, which matches the data refresh pace.

> CAUTION
> Treat the token like a password: whoever has it reads your sensors. If it leaks, **revoke** it and create another — it takes a minute.

CHAPTER 15

Telegram

With your Telegram account linked, equipment alerts arrive as messages from the **@AquarinoBot** bot — and you pick the Telegram channel per equipment in Notification Preferences.

16. In your **profile**, on the Telegram account option, tap to link — the app opens @AquarinoBot with the link ready to confirm.
17. Manual alternative: in Telegram, send @AquarinoBot the command `/start your@email.com` with your Aquarino account's e-mail.
18. Return to **Notification Preferences** and switch the desired equipment to **Telegram**.

To unlink, same place in the profile — the equipment that was using Telegram then needs another channel.

CHAPTER 16

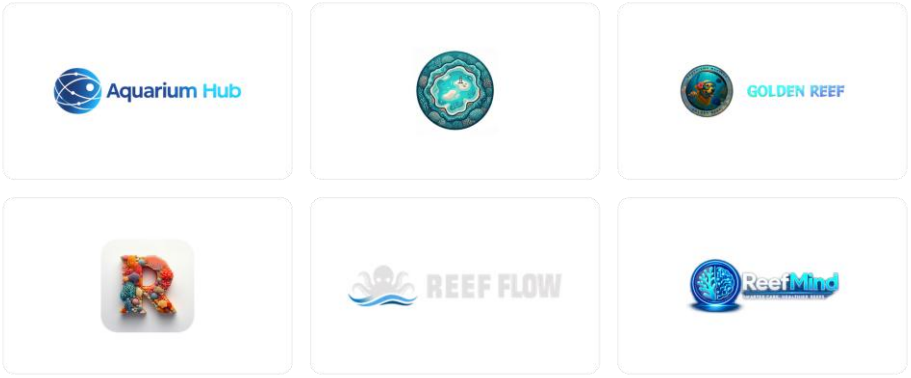
Alexa and partner apps

16.1 Alexa skill

With the **Aquarino** skill enabled in the Alexa app, you query and command your equipment by voice. The linking uses your Aquarino account: when you enable the skill, Alexa asks for the login and, once authorised, your equipment becomes available by voice. The skill's manual details the commands.

16.2 Approved partner apps

The Integrations screen also lists the **approved partner apps** — the ones that work with Aquarino data through the official API. The path is the same: create a token (Chapter 14) and enter it in the partner app.



The current approved partners: Aquarium Hub, Atol IA, Golden Reef, Reefability, ReefFlow and ReefMind.

Partner	Address
Aquarium Hub	https://aquariumhub.com.br
Atol IA	https://atol-ai-app.com.br
Golden Reef	https://www.goldenreef.com.br
Reefability	https://reefability.com
ReefFlow	https://reefflow.com.br
ReefMind	https://reefmind.ai

BACKGROUND

Partners use the same API read limit. One token per partner is the organisation that avoids headaches — and lets you revoke one without affecting the others.

PART VI

Maintenance and support

Solutions to the most common problems, and how to reach us.

17 Troubleshooting

18 Frequently asked questions

19 Requirements and specifications

20 Support

CHAPTER 17

Troubleshooting

Symptom	What to do
I did not receive the activation PIN	Check spam and junk folders; use Resend activation PIN — the new code invalidates the previous one. Confirm the registration e-mail is correct
Equipment shows offline, but it is on	The status considers the last minute. Pull the list to refresh; check the equipment's Wi-Fi LED and the Diagnostics screen (Chapter 13)
Equipment offline after changing router or moving house	The network stored in the equipment has changed. Tap the card and use the **Change network** action — the wizard reconfigures the Wi-Fi
The setup wizard fails at the final step	It is almost always the Wi-Fi password. Try again checking the password, and confirm the network is 2.4 GHz
I can't calibrate / configure Wi-Fi / reset from the app	These actions require the phone **on the same network** as the equipment — it is protection, not a defect. Connect to your home Wi-Fi and try again
Push does not arrive	Check the app's notification permissions in the phone's system settings, and the equipment's channel in Notification Preferences
Telegram does not arrive	Confirm the link in your profile and the Telegram channel on the desired equipment. Redo the `/start` with the account's exact e-mail
Sharing says the user was not found	The guest needs to create their Aquarino account first, with the same e-mail you are entering
The app asks for a firmware update on the equipment	The equipment is below the supported minimum. Update it through the Local Manager and come back
The app asks for my biometrics all the time	It is the biometric lock interval in your profile — set a longer interval, or turn it off

If it persists, export the **session logs** on the Diagnostics screen and send them to support along with a description of the problem.

CHAPTER 18

Frequently asked questions

Is the app free?

Yes — the app, the account and cloud access come with Aquarino equipment at no cost.

Can I have more than one piece of equipment on the same account?

Yes, as many as you like — the list gathers them all, yours and the ones shared with you. And the filters help when the list grows.

Can I access the same account on two phones?

Yes. Sign in with the same e-mail and password; notification preferences apply per account, and each device asks for its own push and biometrics permissions.

What can the guest of a share do?

See and operate the equipment through the normal screens. What they can **not** do: share with third parties, revoke access or remove ownership — that belongs to the owner alone.

Does it work without internet?

On the same network as the equipment, yes — the app talks to it directly. Away from home, internet is required (the cloud is what bridges the gap).

I sold a piece of equipment. Now what?

Remove it from your list (Chapter 8): it is left without an owner and the buyer adds it to their account with the wizard. The equipment's internal settings remain — a factory reset before handing it over is worthwhile, if you prefer.

Where does my data live?

Equipment readings and events are synced with the Aquarino cloud for remote access, graphs and notifications. The full policies are at cloud.aquarino.com.br, on the Terms of Use and Privacy Policy pages.

How do I delete my account?

Through the site: cloud.aquarino.com.br/auth/request-remove, with confirmation by e-mail PIN (Chapter 5).

CHAPTER 19

Requirements and specifications

Item	Specification
App	Aquarino
Platforms	Android (Google Play) and iPhone/iPad (App Store)
Minimum iOS	15.0
Languages	Portuguese, English and Italian
Account	E-mail with PIN activation; password of 8 to 60 characters with uppercase, lowercase, number and special character
Security	Optional biometric lock (fingerprint / facial recognition), with configurable interval
Equipment	Aquarino Controller, Aquarino KH and Aquarino Display, with up-to-date firmware
Access	Local network (automatic discovery) and Aquarino cloud, with automatic path selection
Notifications	Push, e-mail or Telegram — one channel per equipment, per user
Sharing	Unlimited, by Aquarino account e-mail, with revocation at any time
Integrations	API tokens (12 reads/hour per token), Telegram, Alexa skill and partner apps
Tools	13 aquarium calculators and a diagnostics screen that exports the app session logs

CHAPTER 20

Support

Whenever you need guidance or assistance, talk to us. We are here to help.

Channel	Address
E-mail	aquarinocontroller@gmail.com
WhatsApp — user group	https://chat.whatsapp.com/Hp9GjAmptpUEzbykjlUCMC
Website	https://www.aquarino.com.br/
YouTube	https://www.youtube.com/c/aquarino
Facebook	https://www.facebook.com/AquarinoController

TIP

How to speed up your support case

Provide your account e-mail and the **UUID** of the equipment involved;

Describe what you observed and since when;

If the problem is communication, send the **session logs** exported from the Diagnostics screen.

Thank you for choosing Aquarino. Happy reefing!