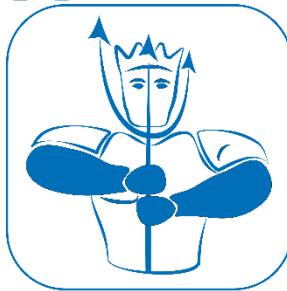


INFORMATION NOTICE

NGC Tool

Smartphone application



NGC Tool

M3S – SAS

TOURVES, October 13, 2025

V1.0

Modification history

Revisions	Dates	Release	Descriptions
1.0	13/10/2025	1.0.1/170	Creation of the document

Thank you for buying a rebreather with the NGC.

Contact:

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WARNINGS

UNDER NO CIRCUMSTANCES DOES THIS INFORMATION NOTICE REPLACE A TRAINING COURSE CARRIED OUT BY A TRAINING ORGANIZATION RECOGNIZED BY M3S.

THE REBREATHER TOGETHER WITH THE NGC MUST NOT BE USED WITHOUT PROPER TRAINING.

THE REBREATHER TOGETHER WITH THE NGC MUST ONLY BE USED WITHIN THE PREROGATIVES OF THE USER'S (DIVER'S) TRAINING.

A NON-STANDARD USE AND/OR USE OF A NGC THAT IS NOT REGULARLY MAINTAINED IN ACCORDANCE WITH M3S GUIDELINES MAY RESULT IN PERSONAL INJURIES OR DEATH.

EACH USER MUST CARRY OUT THE MAINTENANCE OF ITS NGC IN ACCORDANCE WITH THE GUIDELINES GIVEN BY M3S.

THE NGC BATTERIES MUST ONLY BE CHARGED WITH THE PROVIDED CHARGERS.

ENSURE THAT THE B1 BATTERY IS CHARGED AT MORE THAN 50% BEFORE ANY BLUETOOTH CONNECTION WITH THE APPLICATION.

MAKE SURE THAT THE SMARTPHONE IS SUFFICIENTLY CHARGED OR ON MAIN POWER BEFORE STARTING ANY CONNECTION WITH THE NGC.

ENSURE THE STABILITY OF THE NETWORK AND INTERNET CONNECTION (WIFI OR CELLULAR) BEFORE MAKING AN UPDATE (PAY ATTENTION TO CELLULAR DATA COSTS).

DO NOT TAKE PHONE CALLS OR CHANGE APPS ON YOUR SMARTPHONE DURING UPDATES.

DATA CONVERSION

It is **IMPERATIVE to perform an intermediate update in version 3.9/61.2** before performing any update in a higher version

This update is only for formatting the dive data of the electronics for the future logbook.

Following this update, restart your NGC electronics and let them turn themselves off (about 10 minutes).

Turn on your NGC electronics and **upgrade to a higher version to go diving**.

GENERAL APPLICATION

M3S has developed an application to complete the NGC experience. This application allows you to:

- update the TRITON® and NEPTUN® NGC,
- Set your NGC electronics for the TRITON® and NEPTUN® rebreathers from the application.
- In these near evolutions, it will allow you to download the dives into the dive book and to use this data.

This application will allow you to interact with the NGC electronics and not the old electronics containing the Monox.

The NGC Tool application can be downloaded free of charge from the "Apple Store" and "Play Store" platforms on the following mobile devices:

- Apple® iPhone Mobile Phone with operating system iOS® 15 and newer,
- Mobile phone with the operating system Android® 7.0 and newer.



NGC Tool

For the use of the NGC Tool application, the creation of a user account is mandatory. M3S is concerned about the protection of personal data. The "NGC Tool" application is not subject to the processing of personal data. To find out more about how we handle your data, see our privacy policy.

NGC Tool is offered free of charge to users, excluding subscription costs with the mobile phone operator, excluding connection and internet access costs, and excluding any additional cost charged for data loading.

USER PROFILE

2.1 Creation of a user profile

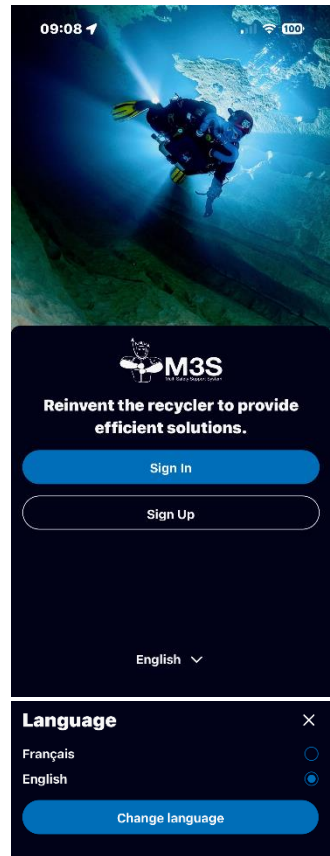
From your smartphone, access the application by clicking on the application's logo.



The launch screen appears.

When first connecting, you will be required to sign up. Click on the "Sign up" button.

If you are already registered, click on "Sign in."



2.1.1 Change language from the homepage

The application is by default in French.

If the language application is not adapted, you can change it when launching the application by choosing your language at the bottom of the screen.

Select your language and click on « change language ».

2.1.2 Creation of your account on your first connection

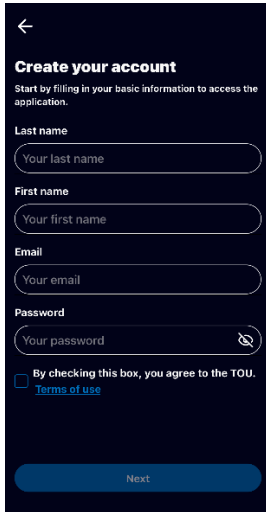
When creating a user account, you will be asked for the following information:

- Your Last name,
- Your First name,
- Your email,
- Password choice,
- TCU acceptance.

Fill in the fields with your details.

Recommendation:

Once the account is created, the email address cannot be changed.



Warning:

The password must have 8 characters with one number and a special character.

Warning:

This password is not automatically added to the smartphone password manager.

Click on « next » (the button is active only if you fill in all fields correctly).

2.1.3 Profile information

The completeness of your user account will only be done once your user profile is completed. It concerns the information:

- Your birth date,
- Your gender,
- Your weight,
- Your size,
- Serial number of your rebreather.

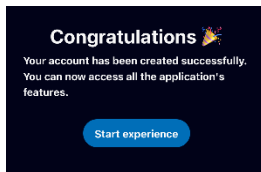
Warning:

The birth date should use the European format: Day, Month, Year.

Information about your age, height, and weight will be used for future updates of the NGC Tool app.

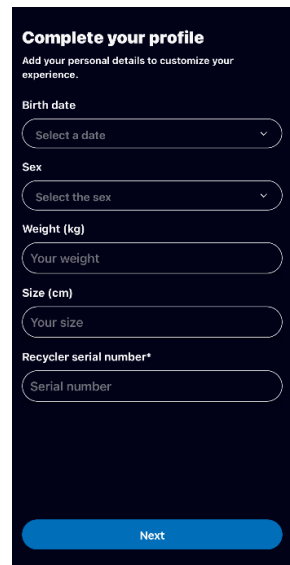
Click on « next » (the button is active only if you fill in all fields correctly).

Congratulations, your account is active!



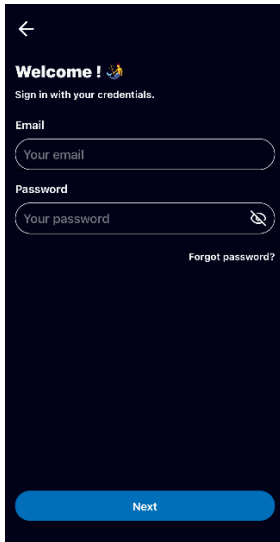
Click on « Start experience » to use the application.

These steps will not be required when launching your application.



2.2 User Account login

When starting the application, if you have a user account, click on « Sign in ».

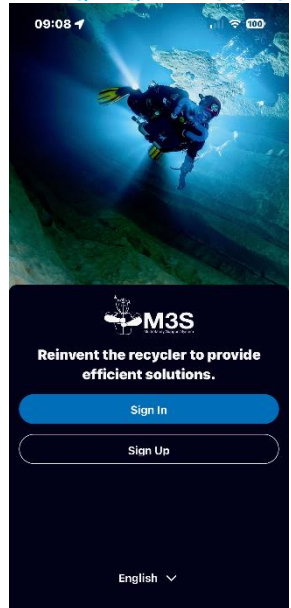


Then fill in:

- The email address used for the user account.
- The password.

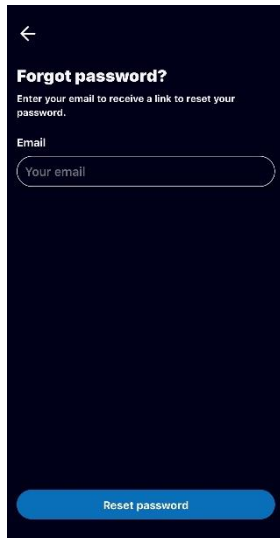
Warning:

This password is not automatically added to the smartphone password manager.



2.3 Forgotten password

If you forget your password, a password reset procedure is possible.

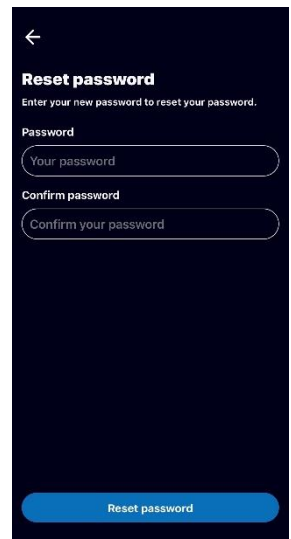


From the connection page, click on « Forgot password? ».

Fill in the field with the email address used for your account and click on « Reset password. »

An email will be sent to this address, with a link to click. From your smartphone, click on the link. The application must open to a new password definition page.

If this link does not work, copy/paste the internet address into an internet browser to set a new password.



2.4 Modifications of the user profile

While using the NGC Tool application, you may need to change some of your user profile information.

At the bottom of the screen, there is a menu bar. For the moment, 2 icons in the menu allow:

- The connection to the NGC,
- The modification of the user profile.

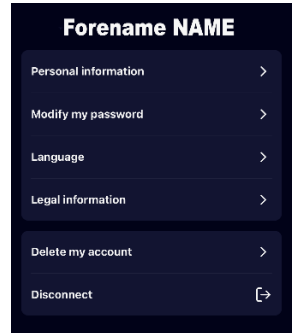


Click on the profile icon  to access the user profile page.

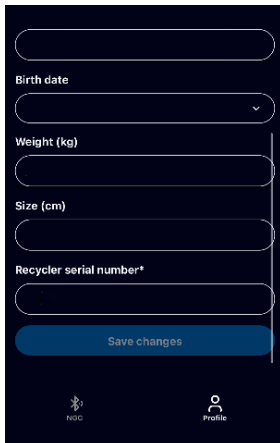
On the top of the Profile page, your first and last name appear at the top of the page.

The following menu allows different actions related to the management of your user account, such as

- « **Personal information** »: you can complete and modify your personal information.
- « **Modify my password** » allows you to change your password.
- « **Language** » allows you to change the language of the application.
- « **Legal Information** » allows you to view the legal information of the application.
- « **Delete my account** » allows you to delete your account.
- « **Disconnect** » allows you to disconnect.



2.4.1 Modifications of your personal information



The only field that cannot be modified is the email address used for this account. The field is grayed out.

All other fields can be modified at any time. Scroll to see all fields.

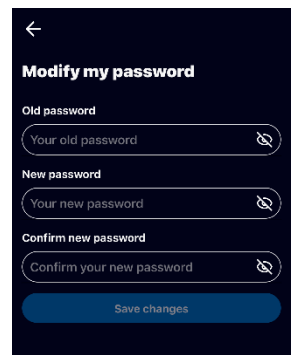
Once the modifications are done, save the modifications by clicking on the button « save changes ».

2.4.2 Modification of the password

From the profile menu, click on "Change my password." A page opens.

To change your password, you must complete all the fields and click on the "Save changes" button to validate this change.

Click on the icon  to see the password you just typed.

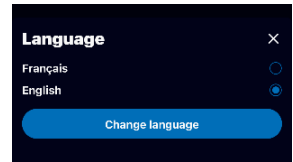


If you forget your current password, you will not be able to save a new one. In this case, disconnect your user account and forget the password.

2.4.3 Modification of the application language

From the profile menu, click on "Language." A window opens at the bottom of the screen.

Choose the desired language of your application and click on the "Change the language" button to validate your choice.



2.5 Disconnection and reconnection

Logging out of your account is possible by clicking on "Logout" from the profile menu.



When you log out, the start page appears, prompting you to log in again.

Warning:

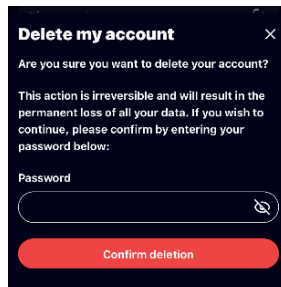
Unless you have personally done so, the password is not automatically added to the smartphone's password manager.

To log in again, fill in the fields correctly and click on the "Next" button. The login page of the NGC opens again.

2.4 Deletion of the account

The deletion of your user account is final. This action is irreversible.

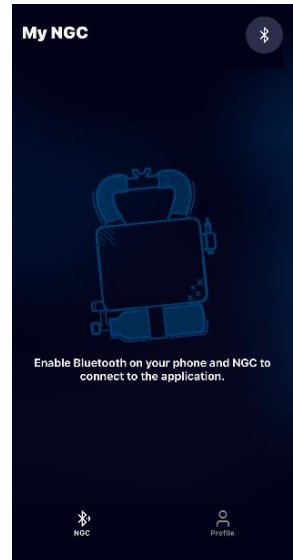
To delete your user account, enter your password and click on "Confirm deletion" to validate this action.



NGC CONNECTION

At the start of the NGC Tool application and when you are already registered and logged in, the application directly searches for the surrounding NGC.

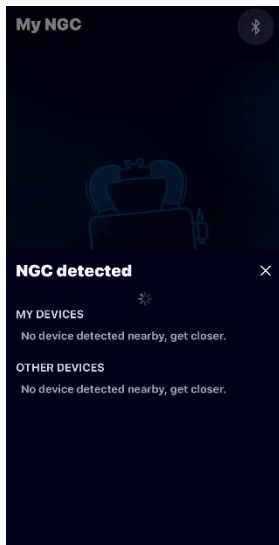
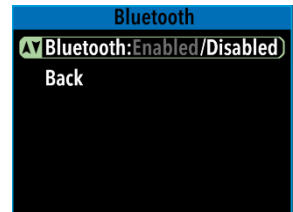
In the application, from another page, you can reach the NGC login page by clicking on the NGC icon at the bottom of your smartphone screen.



3.1 NGC Bluetooth Activation

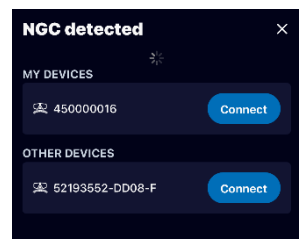
To interact with the NGC electronics (either with the NGC central unit) and your smartphone, the activation of Bluetooth on the NGC electronics as well as on your smartphone is necessary.

For more details on the activation of Bluetooth, please refer to the respective device manuals.



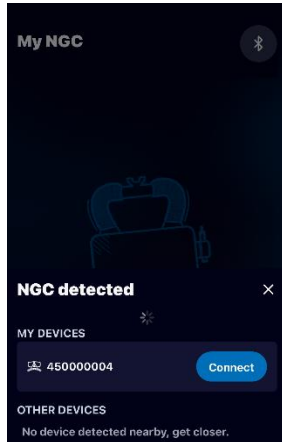
The round button at the top right with the Bluetooth icon allows you to trigger the search for surrounding NGC.

A window at the bottom of the screen opens with the NGC electronics detected.



3.2 First connection of the NGC

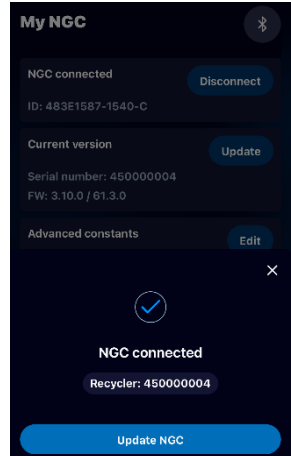
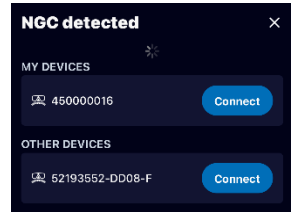
The NGC Tool application will store the NGC electronics that have already been connected to your smartphone. Your NGC will appear in the "My devices" section. NGC in the surroundings unknown to the application will appear in the section "Other devices."



During the first Bluetooth connection of your NGC electronics, the NGC Tool application will identify the surrounding NGC as a Bluetooth address.

Click on "Log in" to reach the NGC and be able to read the information about it.

Once connected to the NGC electronics, the NGC Tool application will remember the connection information and name it according to the serial number of your NGC electronics.



3.4 My NGC

The "My NGC" page has 3 sections:

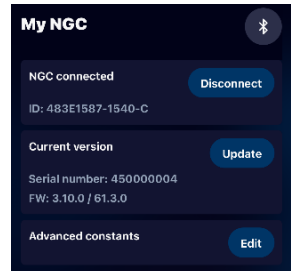
- « **NGC connected**, » allowing you to disconnect your NGC electronics,
- « **Current version** », giving you the information of the current version, available versions and old versions,
- « **Advanced constants** », allowing you to modify the user settings of the NGC electronics directly in the NGC Tool application.

3.5 NGC Update

3.5.1 NGC connection

To update your NGC, trigger the Bluetooth search of your NGC on the NGC Tool application and click "Connect" from your NGC.

A login confirmation window opens. You can close this window and reach the page below by the cross or go to update your NGC electronics by clicking on "Update the NGC."



3.5.2 Update list

Warning:

Case of versions earlier than 3.10:

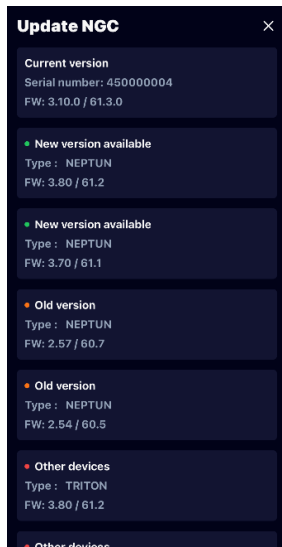
It is **necessary to carry out an intermediate update** under version **3.9 / 61.2** before any update under a higher version.

The "Current Version" section of the "My NGC" page gives information about the serial number and firmware (FW) version of your NGC electronics. This section also allows you to directly see if an update is available for your NGC electronics.

If your NGC electronics are already up to date, then a green icon will indicate that no updates are available.

On the other hand, if your NGC electronics are not up to date, an "update" button is visible.

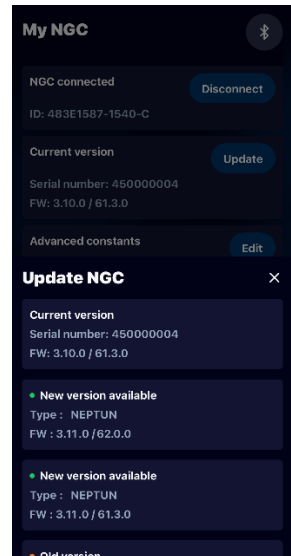
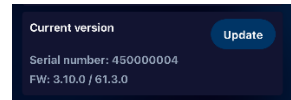
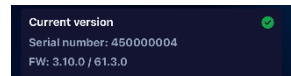
To update your NGC electronics, click the "Update NGC" button. A window at the bottom of your smartphone screen opens with a list of available updates. It allows you to choose which update you want to apply.



A **green dot** lets you know that the new update is superior to your NGC electronics.

Outdated updates (obsolete) are marked with an **orange dot**.

Updates not related to your device/rebreather are marked with a **red dot**.



3.5.3 Update a new version

Warning:

Case of versions earlier than 3.10: It is **necessary to carry out an intermediate update** under version **3.9/61.2** before any update under a higher version.

Recommendation:

During an update, we advise to:

- Not to take a call,
- Do not change the application.
- Have the main battery of your NGC electronics greater than 50%.
- Perform the update of your electronics with your smartphone charged or connected to the mains.

From the list of versions, click on the row of the desired update to perform the update.

The 'Firmware update' page opens. It allows you to know the overall progress during the update of your NGC electronics.

The update is divided into 3 steps:

- The downloading of the firmware,
- The installation of the firmware for the Main PCB,
- The installation of the firmware for the handset PCB.

There are 2 FW updates that run consecutively. The whole update process lasts for about 40 min.

At the end of the update process:

- The NGC Tool application shows you the success of updating the NGC electronics.
- The NGC electronics restart by asking you to choose the batteries. Also remember to update the date and time.

Update firmware



This will take a few minutes, please wait and do not close the application.

Updating firmware...
Global Progress: 0% (37/13704 commands)
Main PCB:
Progress: 1% (37/2772 commands)
Handset PCB:
Progress: 0% (0/10932 commands)
Phase: programming

Warning:

CAS **3.9 / 61.2**: This update is only used to format the diving data of the electronics for the future dive book.

Following this update, restart your NGC electronics, and let it turn off on its own (about 10 minutes).

Turn on your NGC electronics and upgrade to a higher version to go diving.

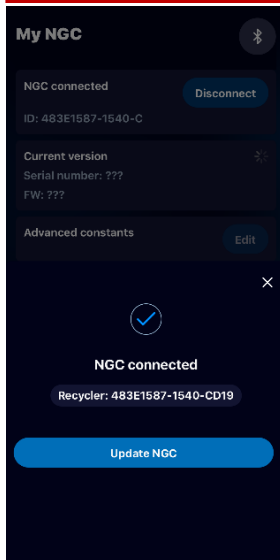
Warning:

If during the update procedure you switch to another application, NGC Tool will continue running in the background. However, a difference in functionality is present between Android® and iOS. iOS caps the background task at 10 min outside of the application; it is then necessary to return to NGC Tool before 10 min. Android does not apply a time limit for now.

3.5.4 Rescue mode

Warning:

In case of an update interruption, especially do not remove the batteries.



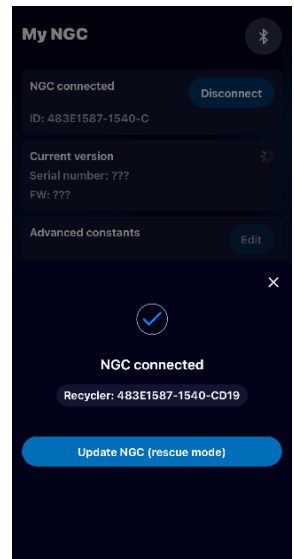
If the update is interrupted, your NGC will be stuck under an « awaiting update » mode.

Restart the NGC Tool application; it will detect the NGC via Bluetooth and will search for information for about 2 min.

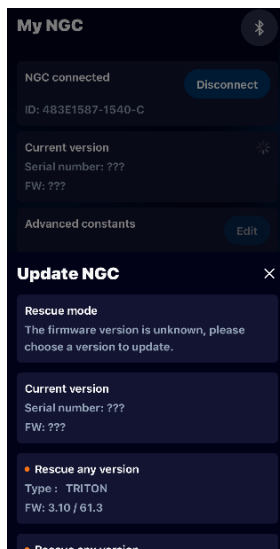
As the NGC Tool application does not detect the version of the NGC electronics ("Serial: ??? FW: ???")

NGC Tool will suggest you carry out the update under the rescue mode.

Current version
Serial number: ???
FW: ???



To restore your NGC update, click on the button « NGC update (rescue mode) ».



The NGC Tool app informs you that it is in rescue mode and gives you access to a list of firmwares (FW).

Please choose the FW adapted to your rebreather model.

Warning:

The NEPTUN® operating system will be operating on a TRITON® NGC and vice versa. However, some functions will not be adapted to your rebreather.

We therefore suggest you carry out a standard update (automatic choice).

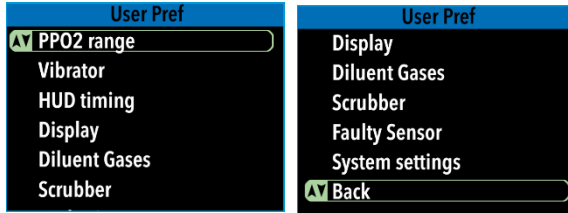
Following this awakening of your electronics, update to the version you previously wanted to install.

DIVING LOGBOOK

To come in the next release

SETTING UP THE NGC SETTINGS

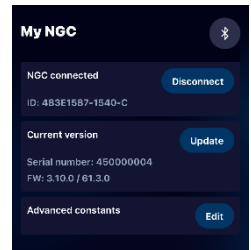
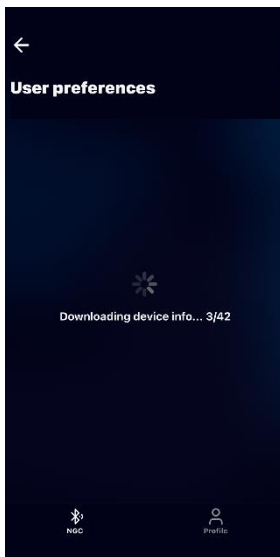
The application allows you to view and modify the settings of your NGC electronics. We call them your constants. In the NGC electronics, these are all the data that can be found in the menu "User Preference."



5.1 Constant Connection

To make changes to the constants from the NGC application, it is necessary to connect the NGC electronics to your smartphone.

From the "My NGC" page, click on "Edit" in the line "Advanced Constants."



The "User Preferences" page opens.

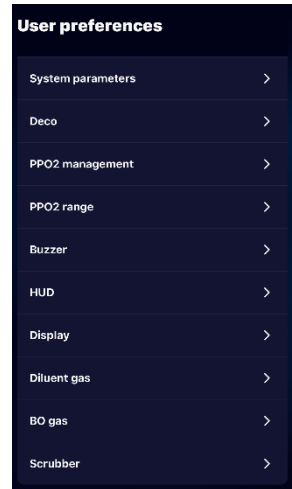
The NGC Tool application downloads your settings from your NGC electronics.

5.2 Modification of user preferences

Once the settings have been downloaded on your smartphone, the NGC Tool application allows you to access the list of "User preferences" that you can view and/or modify.

This list includes:

- « **System parameters** » allows access to the menu of system parameters such as language, units, and water type.
- « **Deco** » allows access to the decompression configuration menu.
- « **PpO₂ management** » allows the management mode of the PpO₂ and the configuration of set points and their changes—only for the NEPTUN®.
- « **PpO₂ range** » 'allows the configuration of the HUD's PpO₂ ranges.
- « **Buzzer** » allows the configuration of the vibrator.
- « **HUD** » allows the configuration of the frequency and intensity of the HUD.
- « **Display** » allows the customization of the display screen settings.
- « **Diluent gas** » allows the configuration of diluent gases.
- « **BO gas** » allows the configuration of bail-out gases.
- « **Scrubber** » allows the configuration of bail-out gases.

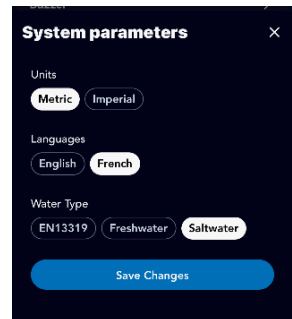


The arrows allow you to enter the desired menu section.

5.2.1 Modification of NGC system settings

The system settings can be modified as follows:

- The units (metric or imperial).
 - Metric.
 - Imperial.
- The language of your NGC electronics.
 - English.
 - French.
- The type of water.
 - EN 13319.
 - Freshwater.
 - Saltwater.



Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.

If you only had a look or do not wish to apply these changes, just close the window by clicking on the cross.

5.2.2 Modification of deco settings

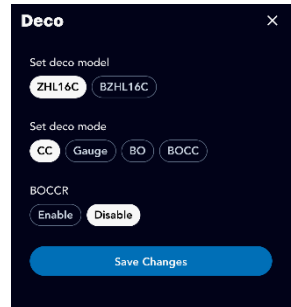
The decompression settings ("Deco") can be changed as follows:

- The decompression type (for the functions to come).
 - ZHL 16C – standard.

- BZHL 16C – optional.
- The way the NGC is used.
 - CCR.
 - Gauge.
 - BO.
 - BOCC.
- To activate the BOCCR mode.

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.



Deco

Set deco model
☒ ZHL16C ☐ BZHL16C

Set deco mode
☒ CC ☐ Gauge ☐ BO ☐ BOCC

BOCCR
☐ Enable ☒ Disable

Save Changes

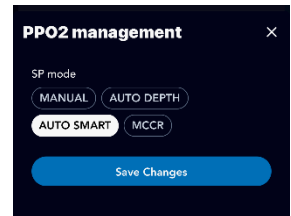
If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.

5.2.3 PpO₂ management – only on NEPTUN®

The parameters of the PpO₂ management are available **only on the NEPTUN®**.

The choice of PpO₂ management mode can be modified as follows:

- Manual.
- Automatic depth—Auto Depth.
- Auto Smart.
- Mechanical – mCCR.



PPO2 management

SP mode
☒ MANUAL ☐ AUTO DEPTH
☒ AUTO SMART ☐ IMCCR

Save Changes

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.

If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.

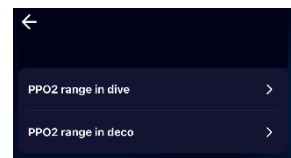
5.2.4 Modification of PpO₂ range

The settings of the PpO₂ range allow you to modify the HUD alarm presets in 2 presets:

- Dive.
- Deco.

5.2.4.1 PpO₂ range in dive

On each range, you can modify the low and high value using the cursor. For each value, the variation is possible between 0.7 and 1.6.



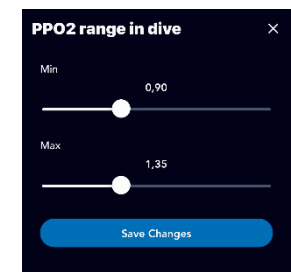
←

PPO2 range in dive >

PPO2 range in deco >

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.



PPO2 range in dive

Min 0,90

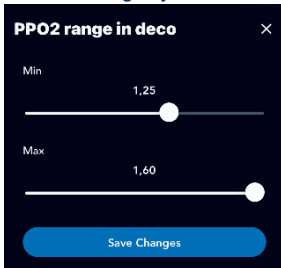
Max 1,35

Save Changes

If you have only consulted, or do not wish to apply the modifications, simply close the window by pressing the cross

5.2.4.2 PpO₂ range in deco

On each range, you can modify the low and high value using the cursor. For each value, the variation is possible between 0.7 and 1.6.



Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

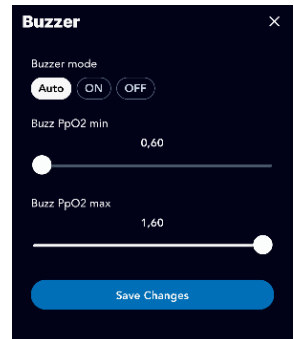
Restart device to apply changes.

If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.

5.2.5 Modification of vibrator settings

The parameters of the vibrator can be modified as follows:

- The operating mode,
 - Auto.
 - ON – enable.
 - OFF – disable.
- The low trigger value—possible variation between 0.7 and a high value.
- The high value of the trigger—possible variation between low value and 1.6.



Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.

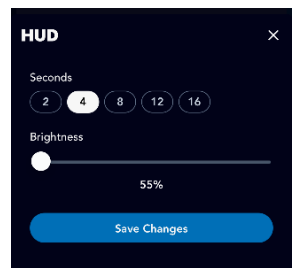
If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.

5.2.6 HUD settings

The HUD settings will allow you to modify:

- the LED flashing frequency
 - 2 seconds.
 - 4 seconds.
 - 8 seconds.
 - 12 seconds.
 - 16 seconds.
- the brightness of the LED using a cursor.

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.



Restart device to apply changes.

If you have only consulted, or do not wish to apply the modifications, simply close the window by pressing the cross

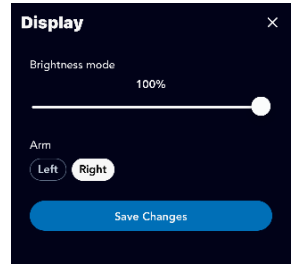
5.2.7 Modification of display settings

The settings of the display allow you to modify:

- the brightness of the screen using a cursor.
- the orientation of the screen,
 - right arm.
 - left arm.

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.



If you have only consulted, or do not wish to apply the modifications, simply close the window by pressing the cross

5.2.8 Modification of gas diluent settings

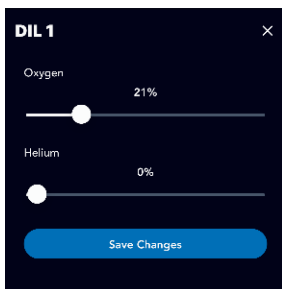
The settings of the gas diluent allow you to display the list of diluents, to change their values, and to select the active diluent.

The arrows, at the end of the line, allow you to modify the desired diluent gas.



5.2.8.1 Modification of one diluent gas

In the settings menu of "Diluent Gas," click on "DIL ..." (1 to 5).



Using the slider, change the percentage of oxygen, then the percentage of helium.

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.

If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.

5.2.8.2 Modification of main diluent

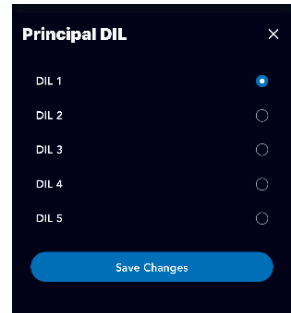
In the "Diluent Gas" settings menu, click on "DIL Principal."

Select the desired diluent between the 5th.

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

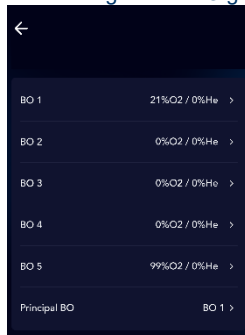
Restart device to apply changes.

If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.



5.2.9 Modification of bail-out gas settings

The settings of the BO gas allow you to display the Bail Out list, to modify their values, and to select the default BO.

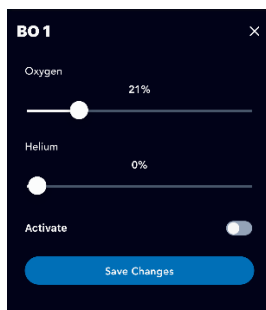


The arrows, at the end of the line, allow you to modify the desired bailout gas.

5.2.9.1 Modification of one BO gas

In the settings menu of "Gaz BO," click on "BO..." (1 to 5).

You can modify the oxygen and helium percentage using a cursor.



Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.

If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.

5.2.9.2 Modification of main BO

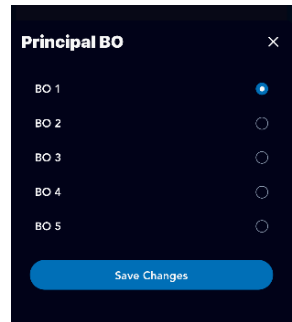
In the "BO Principal" settings menu, click on "BO Principal."

Select the desired Bail-Out (BO) gas between the 5ths.

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.

If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.



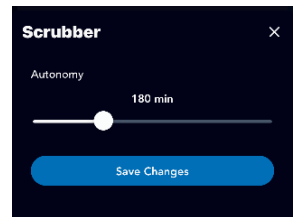
5.2.10 Modification of scrubber settings

At last, you can change the maximum scrubber time using a cursor. The variation of the autonomy is possible between 0 and 360 minutes.

Once the modifications are done, click on « Save Changes » to save the settings. The message "Restart device to apply changes" appears.

Restart device to apply changes.

If you have only consulted or do not wish to apply the modifications, simply close the window by pressing the cross.



NOTES