

Option of changing the robot name

Robot identification data

Time zone synchronization

DON'T DISTURB" function

Having finished activation, you may set a time interval during which the robot does not carry out actions

Acoustic accompaniment

After activation, the robot would comment its behavior with help of audio messages. Sound volume of the audio accompaniment may be set on a scale.

Function of creating a new map

Enables quick creation of a map without necessity to clean up

Option of mar reset

Robot calibration

Calibration in case of non-standard behavior or movement.

Option of robot firmware update

Administration of spare parts

It is possible to monitor systematic wearing of spare parts, including possibility to reset this time or its purchase

Activation of application automatic update

Administration of robot sharing with other users

Renewal to the factory configurations

USER'S MANUAL FOR ETA NAVAGGIO APPLICATION

Dear customer,

Thank you for your confidence in the ETA brand products. This manual is destined for all owners of the ETA2228 and ETA 4228 NAVAGGIO vacuum cleaners, who want to use in full range its potential by means of ETA NAVAGGIO Application. You can find here simple instructions and procedures how to work with your new robotic friend.

Other information, recommendations and tips about your vacuum cleaner can be also found at our web site:

www.etasince1943.com/navaggio

We permanently update this web site and collect here the latest knowledge about this product.

1. APPLICATION INSTALLATION

You can find this application in the database of Apple Store or Google Play, or can also use this QR code for quickening:



Download and install the application to your mobile phone (tablet).

COMPATIBILITY

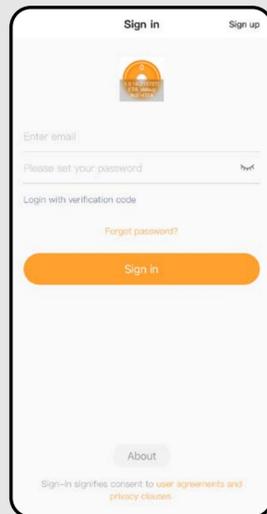
Mobile phone (tablet) operation system	Android 4.4 and higher
	IOS 9.0 and higher
Wi-Fi network	2,4 / 5 GHz (B, G, N+ / AC)
	security WPA1 and WPA2 (WPA2 is recommended)

ATTENTION

The appliance cannot be operated with Wi-Fi networks secured with IEEE 802.1X protocol (as a rule, company's Wi-Fi networks).

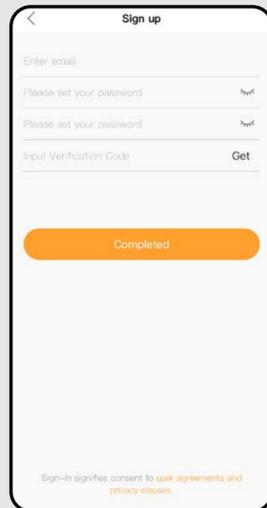
1. ACCOUNT REGISTRATION AND LOGIN

1



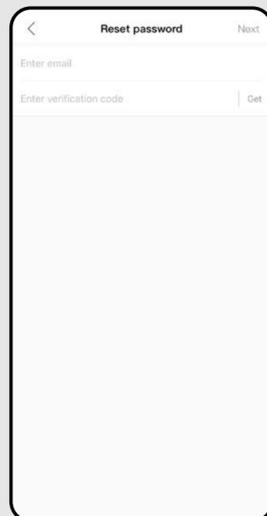
- As soon as you download the application, switch-on it. The basic screen, enabling you to log in, will appear.
- At the same time, it enables switching-over to the registration of a new account, renewal of password in case you lost it, or viewing information on the application.
- If you don't have a created account, click on **"Sign up"**
- To log in, enter the name of your account (e-mail) and password, afterward click on **"Sign in"**.

2



- Enter a valid e-mail address and choose a safe password.
- After that, click on **"Get"**, and system will send a verifying code to your e-mail. Write this code to this field.
- To confirm the procedure, click on **"Completed"**.

3



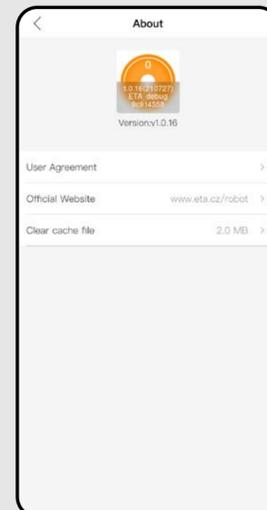
- If you've lost your password, you can renew it by means of the e-mail address used for creating the account.
- Enter this e-mail and as soon as you receive a verifying code, write it to the respective field.
- **Remark: It could take a certain time until the verifying code comes up. Please be patient. At the same time, check that the code is not blocked by the spam basket/ filter of your e-mail client.**

4



- After that, change your password and save it properly.
- You may use the new password to log in to your account.

5



- You may find a version of the application and information pages about the robot in the **"About"** section.

BASIC RECOMMENDATIONS AND TIPS FOR USE

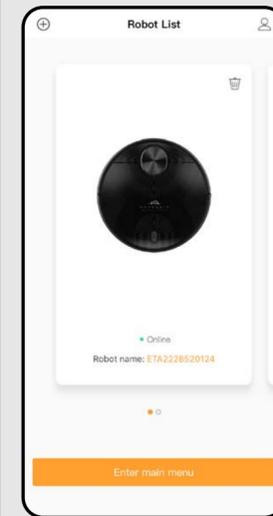
This manual is universal and applies for the both versions of the robotic vacuum cleaner with ETA NAVAGGIO Application. Namely, these are models ETA2228 and ETA4228. In the context of functioning the application, you may take notice of a difference in the mopping function, i.e. ETA2228 contains one universal container for debris with a container for water, and ETA4228 contains 2 containers - one for dry suction, and the second - for mopping. To enable correct course of the function, it is necessary (in case of ETA4228) to have installed the correct container, the container filled in with water and the mounted mopping adapter with a mop.

If necessary, the application itself will warn and instruct you in case of wrong installation or of necessity to insert another adapter.

- The robotic vacuum cleaner with laser navigation is able to navigate excellently in space and thus clean up with high preciseness. Under normal circumstances, it is able to recognize its position if you replace it within one map to another place, although we don't recommend it. Always start the robot, if possible, from the charging station, and - if possible - don't manipulate with it.
- As soon as the robot once creates a map, avoid excessive changes of the environment, which could confuse the robot, or which could cause erasing the map. It could be, for example, replacement of furniture, movement of some persons next to the robot (most frequently, children:)), etc.
- Pay special attention to the doors. If you want to make available a room for the robot, the door has to be open during mapping. To the contrary, close the door. It is also possible not to close the door and prohibit the robot from access by means of a prohibited zone.
- If you transfer the robot to another part of your house (to another map), change this map directly in the application before switching-on the robot. To the contrary (i.e. if you start the robot from another place within a different map), the robot could be confused and could draw a map incorrectly.
- If you are planning to use the robot, we recommend that you fully charge it first.
- Ideally, always let the robot finish the cleaning task. Don't interrupt it and don't enter more orders or operations than is necessary.
- In case of erasing a map or non-standard behavior, at first insert the robot manually into the charging station, and then restart it.

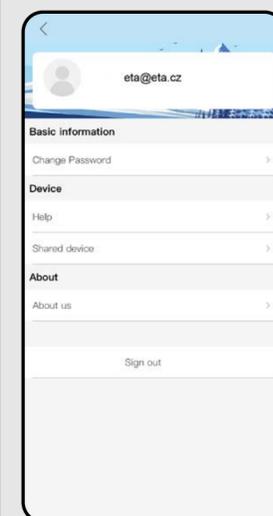
2. INFORMATION ON THE ACCOUNT

1



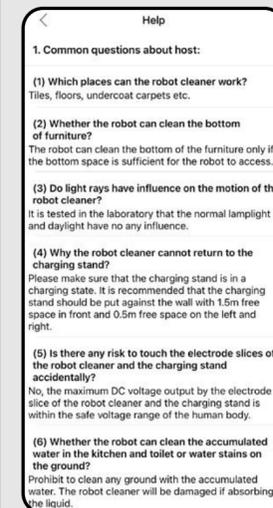
- Click on the **icon** of a person on the basic screen in the right upper corner to move to the section for viewing settings of the account profile.

2



- Click on the field of the picture next to the e-mail address of the account to add a profile photo to the account.
- Then, click on **“Change password”** to change your existing password.
- You may find some basic questions and replies about robot functions in the **“Help”** section.
- The robot can be shared with other users in the **“Shared device”** section.
- The **“About”** section provides basic information on the application, including a review of the user's contract.

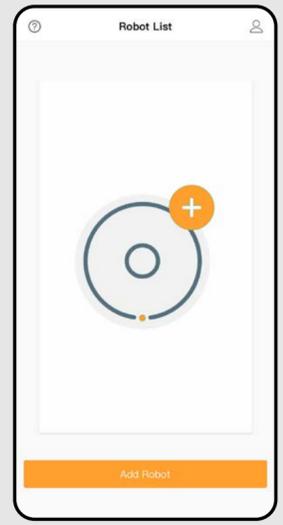
3



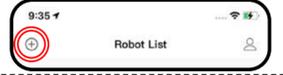
- Preview of **“Help”**, questions and replies.

3. APPLIANCE PAIRING

1



- After a successful login, you can see a screen, in this case without a paired appliance.
 - To carry out pairing with the robot, click on **"Add robot"**
- * In case that you have already paired any appliance, the "+" icon appears. This icon enables you to add the next robot.*



Remarks

Before pairing, we recommend that you fully charge the vacuum cleaner (or at least, 30 % of the accumulator capacity). Follow attentively information and particular steps in the application.

2



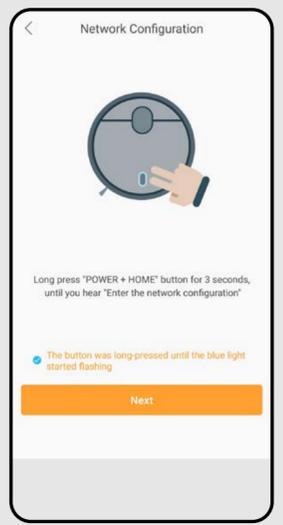
- A list of robotic vacuum cleaners, which the application is destined for, will appear. Select one, which you own.

3



- Reset the vacuum cleaner Wi-Fi network by long pressing the both buttons (approx. 3 seconds) on the control panel of the vacuum cleaner.
- Now you can hear acoustic information on activation of the configuration related to the network. At the same time the both buttons starts to blink.

4

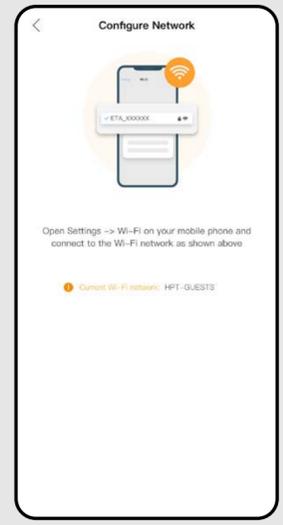
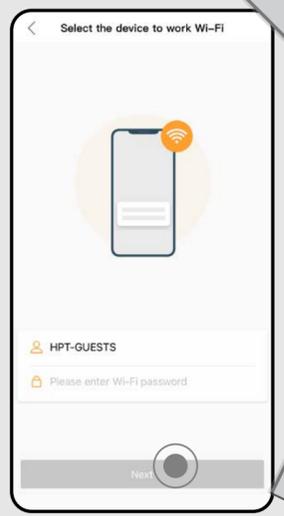


- Click on the wheel next to the orange text in the application to confirm that the both button really blink.
- Afterwards click on **"Next"**

** (Devices with Android OS don't have this step)*

5

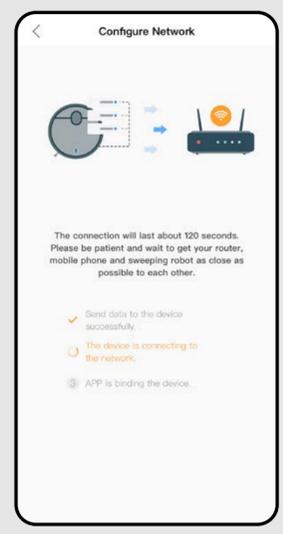
- Now it is necessary to specify a Wi-Fi network (and enter the corresponding access password), to which your phone with the application is connected.
- Having finished this operation, confirm it by clicking on the **"Next"** button.
- The next step depends on the operation system of your device. **Compared with Android, IOS contains one more step.**



- At this moment, you will be asked to leave the application (but don't close it!) and to switch-over your device to the Wi-Fi network settings.

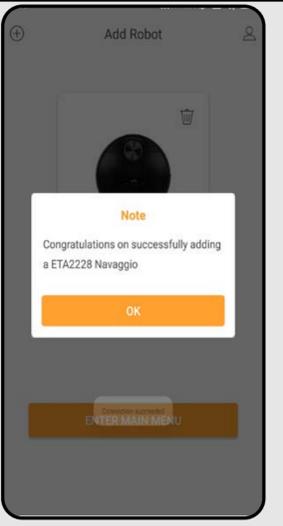


- The robot has its own Wi-Fi network to which now it is necessary to connect manually. The network is named **"ETA-xxxxx"**. Connect to it.
- As soon as you are connected to it, return back to the application.



- Here you can see the last screen, which shows the connecting procedure of the device to the robot and Wi-Fi network.

- If pairing proceeded without problems, this message would appear and the robot would be added to the list of your paired appliances.



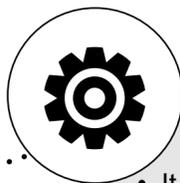
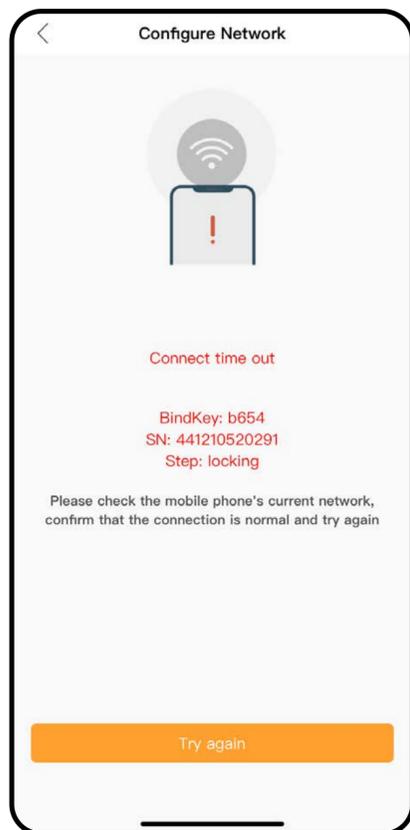
Android will start connection without necessity to go to the phone settings.

Or, if necessary, the application on this screen will ask you to confirm connection to the robot Wi-Fi network („ETA-xxxxx“)



WHAT CAN I DO IN CASE OF FAILURE OF PAIRING?

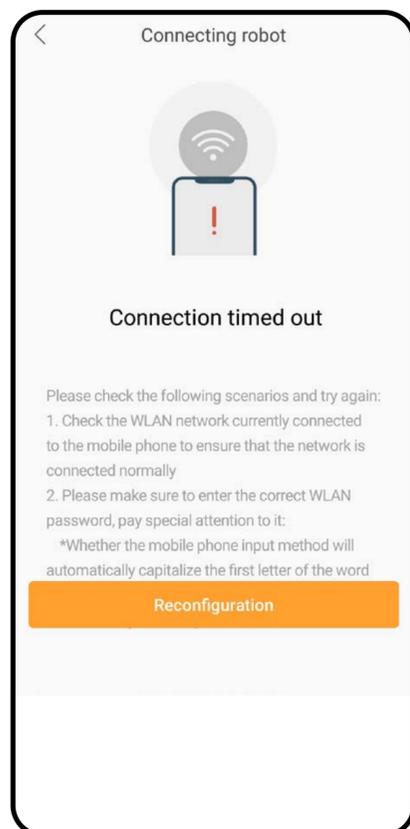
Apple



General recommendations

- It is necessary to have an active home Wi-Fi network with a sufficiently strong signal;
- Have a sufficiently charged battery in the vacuum cleaner (at least 35 %);
- Try to create a new account to exclude problems with wrong activation of the account;
- Check whether the Wi-Fi network settings and the smart device operation system correspond to the defined requirements;
- If the vacuum cleaner has been already paired and at present it is in OFFLINE mode (is disconnected from a Wi-Fi network), you have to remove it from the account first (in the application, click on the bin icon in the list of the appliances and remove it). After it, log out from the account; consequently restart the vacuum cleaner and your phone (preferably, the WI-FI router, too), log in again and repeat pairing procedure

Android



Mobile phone/tablet

- **Make sure that your phone during pairing is connected to the same Wi-Fi network to which you want to pair the vacuum cleaner itself (the same SSID);**
- Use only smart devices with supported versions of the Android and IOS operation systems.
- Keep your smart device close to the vacuum cleaner during pairing (within 2 m).
- Communication between the vacuum cleaner and mobile phone may be disturbed by some programs (for example, VPN, firewall, etc.), which you use in your phone. Switch-off these programs during pairing procedure;
- Try pairing with another phone to exclude problems in this phone;



WI-FI router

- Use a high-quality Wi-Fi router, which covers for a certainty your house with a sufficiently strong signal.
- Verify that the vacuum cleaner is in reach of the Wi-Fi signal;
- The Wi-Fi network name (SSID) has to contain ONLY signs a-z and 0-9 (don't use diacritical signs such as „_, -, *, @, +- or “gap”!). The total number of the signs should be in a range of 8-16;
- In some cases, network oscillation causes a conflict (disturbance) with other WI-FI networks in the surrounding, which work on the same or similar frequencies. If it is not technically demanding for your, try to set transmission of the Wi-Fi router with automatic switching-over of channels, or to set any non-conflict channel (to identify the state of your Wi-Fi network in your home, you may use different Wi-Fi analyzers, which are available for free for the both platform, Android and iOS).
- Complications can be also caused by a non-standard solution of network elements in your home or some types of routers. To avoid such the problems, you may try to create on your mobile device (on which, however, you don't use the application!) so called „hotspot“, the Wi-Fi network of which will be used for temporary pairing of the devices and verifying correct function of the robot.

4. MAP CREATION

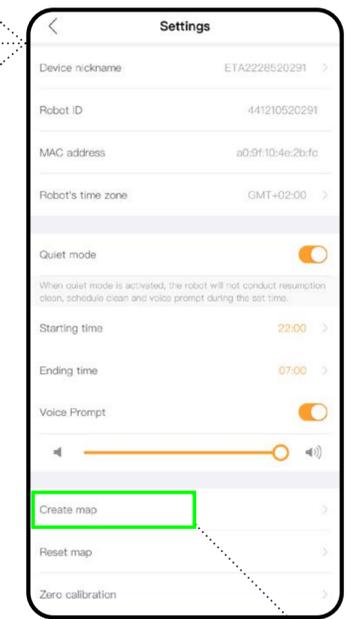
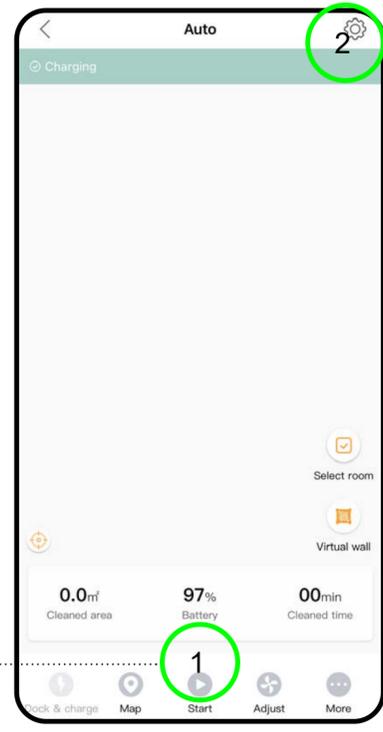
ETA2228 / ETA4228 Navaggio

ETA NAVAGGIO

2.

You have two basic options on the main screen how to create a new map.

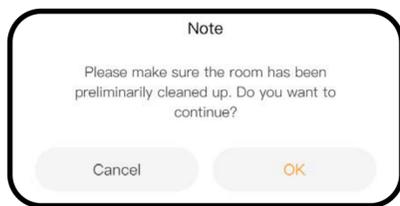
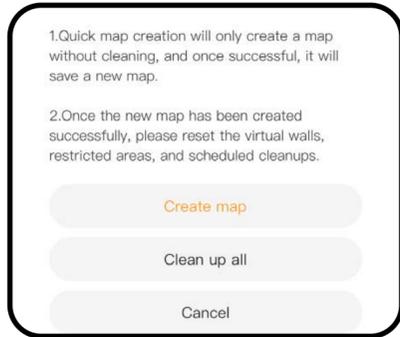
1.



Choose this option always when you want to create one more map next to any existing map.

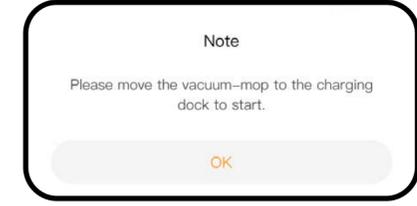
Click on "Create a map" to confirm.

This option will only appear in case that you haven't created a map yet (or you used „Reset map“). Select whether you only want to **create map** quickly or to **create and clean up**, too.

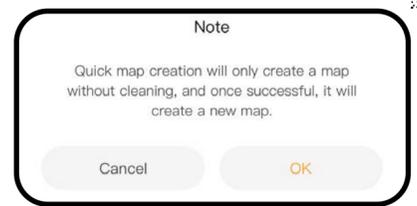
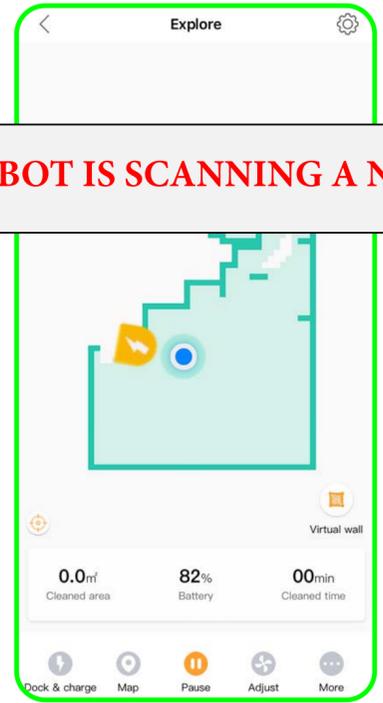


If necessary, adapt the surface of you house according to the user's manual and confirm it to start map creation.

The robot must start from the charging station. Click on "OK" to confirm this fact.



THE ROBOT IS SCANNING A NEW MAP



Confirm it by clicking on "OK".

5. MAP MODIFICATION AND ADAPTATION

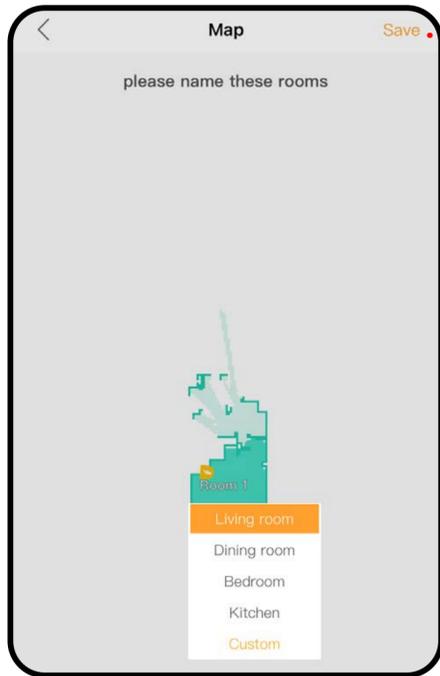
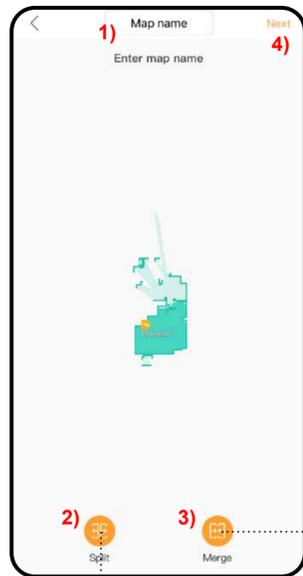


In the next step, you may:

- 1) **Name** the map (for example, "2nd floor")
- 2) **DIVIDE** the proposed rooms as necessary
- 3) **MERGE** the proposed rooms as necessary
- 4) Continue in naming rooms and saving the map by clicking on "**Next**".



Having finished area scanning, the application would offer you to save new maps.



For better lucidity, it is possible to name particular rooms.

Then, click on "**Save**" to save the map.



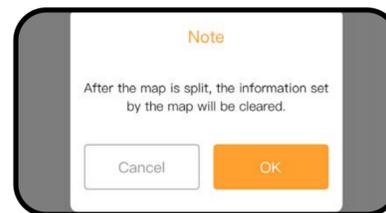
REMARKS

- You may whenever repeat modifications specified in this page in the Map Administration section.
- Layout and correct naming of the rooms facilitates navigation in the application and its control, as well as administration of the planned cleanings.
- Save each map which you would like to use for a long time.
- In total, you can create and save up to 5 maps. This option may be used, especially, in case of multistage houses.

Having finished modifying and saving the changes, return back by clicking on "<"



If the map proposes automatic room division, your modifications will rewrite this division.



splitting



Here you may variously divide rooms by drawing dividing lines. Confirm the change by the "**Completed**" button.

The "**Back**" serves for canceling selection of a particular room.

merging



Here you may variously merge rooms which have been automatically created or proposed by you.

Confirm the change by the "**Completed**" button.

6. UPLOADING OF A SAVED MAP

1	 <ul style="list-style-type: none"> Click on the “Map” icon on the lower panel of the main screen.
2	 <ul style="list-style-type: none"> It is possible to save up to 5 different maps to memory (i.e. of your house or its parts or its storeys) To navigate between the maps, just click on a map and at the same time drag it with a finger. Here you may either modify and adapt a map by clicking on “Edit”, or invoke and start using the robot within its space by clicking on “Use”.

REMARKS:

- In the **“Map”**, you may modify the created maps similarly as is specified in the prior part.
- It is also possible to erase maps by clicking on the bin icon in the right upper corner in the review of the maps.

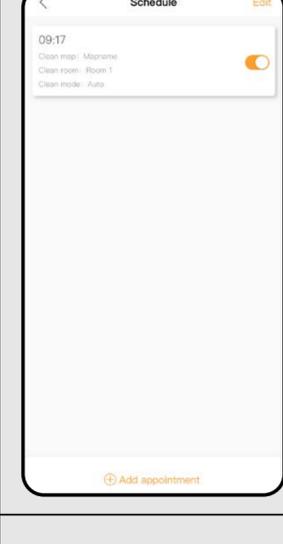
7. PROHIBITED ZONES (VIRTUAL WALL)

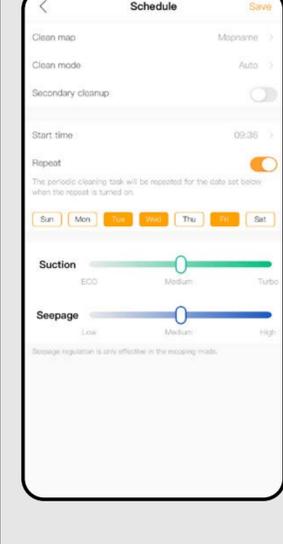
1	 <p>Very useful function are prohibited zones, which will forbid the robot to clean up in the defined place (you might use it for the areas when you have different vases, fragile furniture, in a room where you don't want to allow the robot to move, etc.)</p> <ul style="list-style-type: none"> First of all, select a map, in which you want to create prohibited zones (if there are more than one maps). After that, you may activate the menu for creating and editing prohibited zones by clicking on “Virtual wall”.
2	 <ul style="list-style-type: none"> Click on “Add” to insert a preset prohibited zone in a shape of square (for example, 2x2 m). Click on and drag the square field with a finger to replace the respective zone. Click on, hold and move one of the edges of the square to modify this zone depending on the shape of the room. Click on this zone and consequently on the red “x” to delete the zone. Click on “Save” to save the respective zones.

REMARKS:

- It is possible to create up to 10 different prohibited zones.
- Always, however, leave ample space for manipulation so that the robot can get to all places which are not prohibited (in case of unsuitable settings of the zones, you could make it impossible for the robot to move, for example, to another room, etc.)

8. PLANNED CLEANING

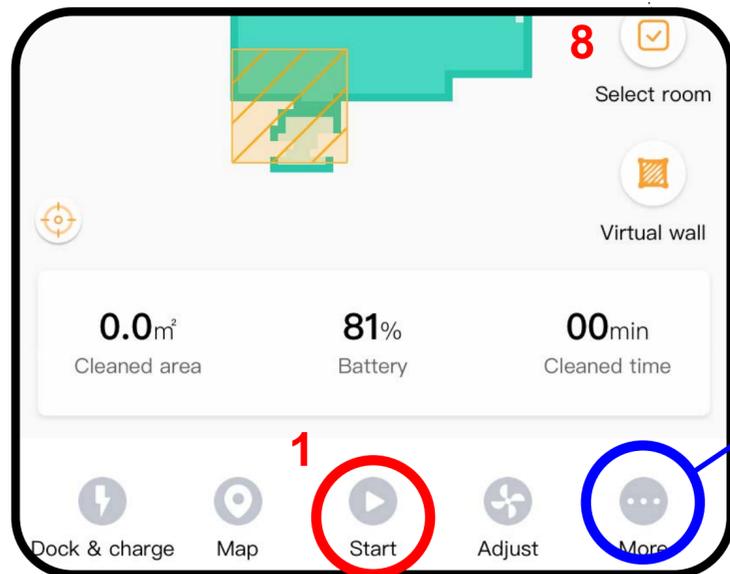
1	 <ul style="list-style-type: none"> On the main screen, click on “More”. After that, click on “Schedule”.
2	 <ul style="list-style-type: none"> Consequently, a screen will appear on which the already-saved plans will be available. Click on “Edit” and then select the particular plan to modify the created plans. Also, you may activate and deactivate them by clicking on the wheel in the right part of this plan. Click on “Add appointment” to go to the parameter setting for the plan of cleaning.

3	 <ul style="list-style-type: none"> During creation of a plan, it is possible to define different cleaning parameters. First of all, select a map, on which the cleaning should be performed. Then, select one of three possible cleaning modes and tick off whether you want to perform doubled cleaning within this mode. After that, define a start time, tick off whether this plan has to be repeated or should be carried out only once. Afterwards, choose days in which the respective cleanings should be carried out, including settings of the parameters of the suction power and mopping intensity. Click on “Save” to create this plan.
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9. CLEANING MODES

8 Room cleaning

You may choose an option of cleaning of a selected room (or several rooms at one time) on the main screen. Click on the "Select room", then click on a room/rooms which you want to clean up, and then click on "Start" to confirm it.



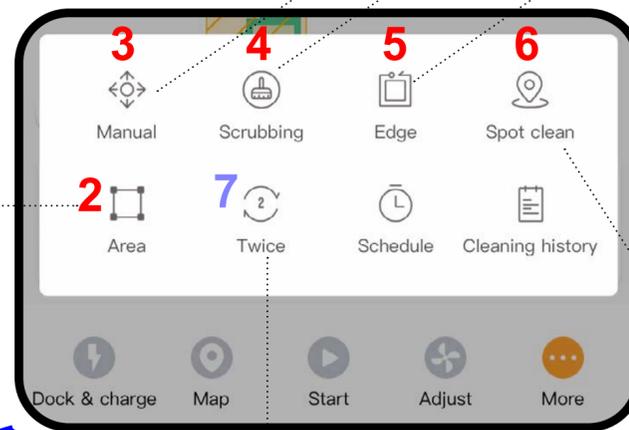
1 Automatic cleaning

It is basic and most frequently used cleaning mode, in which the robot systematically cleans up the whole available area within the respective map. Automatic cleaning may be also used with the mopping function. In this case, however, it is necessary to prevent the vacuum cleaner from driving onto a rug. If you have rugs in your house, use the Prohibited Zones function.

Click on "Start" to start automatic cleaning by the robot.

2 Zonal cleaning

Within the saved map, this mode enables creation of up to 10 different zones, which can be - depending on selection - cleaned up individually. Principle: creation and modifications of the zones is the same as in case of prohibited zones (chapter 7). Click on the respective zone (or several zones) to select a zone of cleaning and click on "Start" to confirm that the robot returns to the charging station after finishing the cleaning.



7 Doubled cleaning

The application enables activation of the doubled cleaning function. If this function is active (has an orange background), the respective mode will carry out cleaning twice.

3 Manual control

It enables manual control of the robot by means of arrows displayed on the application display.

4 Mopping

Mode of cleaning with a mopping adapter for wiping the floor. Click on "Scrubbing" to initiate automatic cleaning with special movements of the vacuum cleaner.

Remark: As soon as the mopping adapter is installed, it is possible to use, of course, other functions (for example, zonal cleaning), during which the robot will suck and at the same time mop; only at automatic cleaning, however, it exercises special wiping movements which increase effectiveness of wiping.

5 Along walls

If you click on "Edge", the robot will only clean up boundary parts of a room and after that will return to the charging station.

6 Local cleaning

It is an ideal choice for cleaning a selected particular place (with a squared shape).

When selecting, just click on a place in the map to add a small flag here, afterwards confirm it by clicking on "Start". Having finished cleaning of the respective area, the vacuum cleaner will return to the charging station.

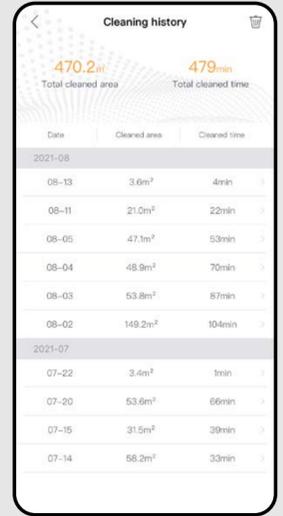
10. HISTORY OF CLEANING

1



- On the main screen, click on **“More”**.
- After that, click on **“Schedule”**.

2



- A list of all historical cleanings, including the total statistics of the cleaned up area and total time of cleaning, will appear.

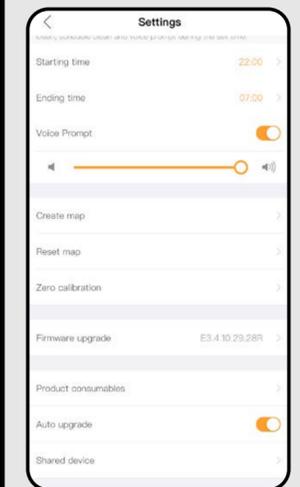
3



- You may unroll particular records and check details of the respective cleaning.
- In the right upper corner of the list of cleanings and in the preview of particular cleanings, a bin icon is displayed. By means of this **icon**, you may collectively or separately delete chosen cleaning records.

11. APPLIANCE SHARING

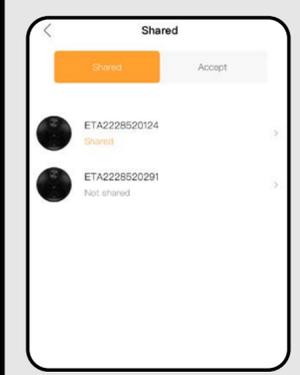
1



- The application enables sharing the robotic vacuum cleaner between users. Using the sharing function, you may use one robot with several different accounts and phones.
- The **“Shared device”** function may be found, among others, in the **“Settings”** part.

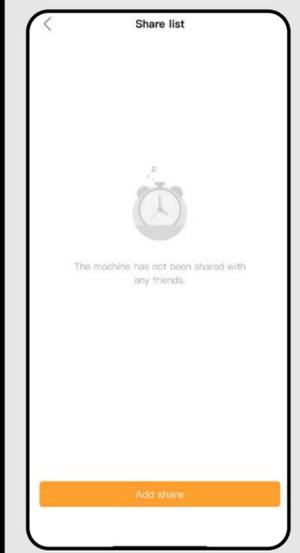
Remark
OS Android can have this section in a different part of settings than OS for APPLE.

2



- The sharing section itself contains 2 main parts. **“SHARED”** and **“ACCEPT”**.
- The **“SHARED”** shows all robots which you have paired with your account and which you may share with other users.
- The **“ACCEPT”** contains approved appliances and appliances awaiting for approval.
- Click on the robot, which you want to share, in the **“SHARED”** section.

3



- Consequently you can see a list of addresses with which you share the robot. In this case, the list is empty - you may add the first use.
- To add, click on **“Add share”**.
- After that, enter e-mail address of the account for ETA NAVAGGIO Application, with which you want to pair and click on **“OK”** to confirm it.
- Consequently, the counter party (the designated address of the account) will need to accept this sharing in the sharing section, or, if necessary, the application itself will ask him/her to do so after initiation.
- After confirmation, you may monitor the robot and control it jointly. If you want to cancel sharing, drag with a finger to the left to the respective shared address to display the erasing option.

In case of whatever problem, first of all make sure whether you use actual version of the application and firmware of the robot. At the same time, try to use the “gold rule of IT” - restart all what you could and is available for you - i.e. the application itself, phone, robot and - if necessary - Wi-Fi router itself. These rules often can remove big part of complications and problems. If no basic recommendations help you, you may try to return the robot in the factory configurations in the **Settings** section.