

ISJSSLE ISJSSLE EVO by ③ notilo plus

QUICK START GUIDE

Aug-20

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DRONE FIRST START UP

For the first start up, the IBUBBLE drone needs an update. Please follow the 4 following steps.

1. DRONE START UP

<u>Required Equipment :</u> the drone with its remote and battery, a device (smartphone or JXD Controller)



Do not forget to fully charge all the equipment: battery + remote + the phone

1. Place the battery inside the drone

- Unscrew the battery compartment under the drone.
- Place the battery inside the compartment.
- A slight "bip" confirms the battery is in position.
 - Screw the cover until tight.

2. Turn on the IBUBBLE drone

- **Turn on the drone's remote** by pressing the "Selec." button on the top of the remote.
- Put the remote on the drone.

Do not remove the remote until the end of the setting up process.

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TAPT

2. CONNECT TO THE IBUBBLE APP

- 1. <u>Download the iBubble App</u> Available on App store and Google Play Store
- 2. Open the IBUBBLE App on the device.
- 3. <u>Register your iBubble drone in the App</u> Your device must be connected to internet
 - Scan the QR Code on the drone's Box
 - or



Drone

DRONE ID: 30391

FOLLOW MODE

ROV MODE

• Write manually the drone's serial number



If you do not have the QR code anymore, you will find your serial number in the WiFi name of the drone.

iBubble-<mark>B827EBXXXXXX</mark>

GR Code not found or not working?



The drone is registered when the screen indicated "Your iBubble is now registered".

You can enter your information and accept the terms.



Reconnect to vour iBubble

STEP 9/9

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- 0 Your IBubble emits a WiFi signal to which you need to connect to in order to update.

In order to facilitate the mmunication between the app and subble, Please turn off your mobile



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STEP 8/9

We're nearly

done!

iBubble is almost ready!

It will now restart several times to complete the update process.

Leave the remote on iBubble until the update is completed. The remote will then display "DISARMED - Ready".

Once the DISARM scenario is displayed you can press the Next step button.

Next step

30V MODE



1. The latest version of the firmware will download

The latest version is being downloaded

Do not close the application. It won't take long.

has been

3. DOWNLOAD THE UPDATE



Continue

batterv The battery must be fully charged and plugged to iBubble in order to update Once the battery is plugged in, press

Ready

2. Turn on the remote by pressing few seconds the "Select" Button on top of the remote. Put the remote on the drone in its dedicated dock, and leave it there unti the end of the update process. Your drone turns on. You can now proceed to the next step by pressing the button below. Important: Do not remove the remote from its dock until the end of the initial rom its dock until the end of the initia sotup. If the installation fails, you can turn off the remote by pressing the three buttons at the same time, then resume the update process by starting over from the beginning.

Next step

STEP 7/9

(1)

STEP 6/9

Updating

iBubble

To update your iBubble and its remote please follow these steps:

Make sure the iBubble battery is lugged in and iBubble is turned off.

4. UPDATE THE DRONE

1. Connect the device to the drone's WiFi. The drone's WiFi signal under the following format (→) "iBubble-B827EBXXXXXX" If you do not detect the WiFi signal bring the device closer to the drone.

Connect to your iBubble	
Your iBubble emits a WiFi signal to hich you need to connect to in order to update.	
Go to your phone's settings and onnect to the following WiFi channel	į
ibubble-B827EBDB5FD7	
After you are connected to the network, reopen the application and refrech the page.	

In order to facilitate the communication between the app and Bubble, Please turn off your mobile data services to connect to your

> Open the WIFI networks list It cloesn't work

When the drone will be ready it will update the remote still on the drone.

to reconnect to the WiFi's drone.

app. Be patient.

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2. Update the drone

STEP 8/1

You can now

update your

iBubble to the

latest version.

Update my iBubble

(→

d to your iBubble

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Once you are connected the app invite you to update the drone

STEP 8/9

Installing the

latest version

Do not close the application.

Keep your WiFi connection active

It won't be long.

STEP 8/9

Uploading the

latest version

Iplaad complete in 2 minutes

Do not close the application

Keep your WiFi connection active

It won't be long.

At the end of the process the drone will restart

It can take few minutes. During that time, the app will ask you

As the drone is restarting it is not able to connect to the

At the end, the remote indicates "Disarmed Ready" and you can see the drone's status on the iBubble App.

(Connecte Up to date

Get to know your iBubble's scenario and behaviour underwater right here

Scenarios & behaviour

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FOLLOW MODE

The drone autonomously follows the diver

To dive with the iBubble drone, please follow the 3 following steps.

<u>Required Equipment :</u> the drone with its remote and battery.



 \dot{Q} Do not forget to fully charge all the equipment: battery + remote.

Caution

- The diver must enter in the water before the drone or at the same time
- Do not throw the drone in the water.
- Do not activate / Arm the drone out of water.
- When activated, the drone emits a sound signal and position itself at a depth of 50cm to 1m. Keep a safe distance.
- Do no immerse the drone in water less than 1m deep.
- Obstacle avoidance is deactivated between 0 and 2m deep. You are ٠ responsible of the drone's movements.
- The drone must be disarmed before any handling (put in/out of the • water).
- In case of emergency immediately disarm the drone.

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DRONE START UP 1.

- 1. Place the battery inside the drone
 - Unscrew the battery compartment under the drone.
 - Place the battery inside the compartment.
 - A slight "bip" confirms the battery is in position.
 - Screw the cover until tight.

2. Turn on the IBUBBLE drone

- Turn on the drone's remote by pressing the "Selec." button on the top of the remote.
- Put the remote on the drone. Do not remove the remote until the end of the starting up process.



The drone turns on and test all its components (lights activation, propellers, sound signal).



At the end of process, the drone's remote indicates "Disarmed Ready" and the front green LED is constant.

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2. PREPARE TO DIVE

- 1. Position the remote on the diver
 - The remote in the hand.
 - The transmitter at the back of the head.



The transmitter must float around 20cm above the diver's head to ensure drone's detection in the water.

2. Going to the water

- First the diver.
- Then the drone.
- The diver can then activate a scenario with the "Scen." menu on the remote.

Caution

When activated, the drone emits a sound signal and position itself at a depth of 50cm to 1m. Keep a safe distance.

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3. AT THE END OF THE DIVE

- 1. Bring the drone back to the surface
 - **Disarm the drone** by choosing « **Disarmed** » **scenario** or by pressing simultaneously both external buttons on the remote.
 - Bring back the drone to the surface.
 - The diver gets out of the water after the drone.
- 2. Turn off the drone
 - Turn off the drone's remote by pressing simultaneously the three buttons
 - Put the remote on the drone
 - The drone will flashes its lamps
 - Remove the remote drome the drone
 - The drone will turn off.



- 3. <u>Rinse the drone with clear water.</u> Thanks to a jet water stream or by immersing the drone in a water container.
- 4. <u>Remove the battery.</u> Put it in charge for the next exploration.
- 5. Let the drone dry before storage.



START UP



ROV MODE

You control the drone from the surface

To control de drone in ROV Mode, please follow the 4 following steps.

Required Equipment : the drone with its remote and battery, the Explorer cable & WiFi Reel, a device (smartphone or JXD Controller)



Do not forget to fully charge all the equipment: battery + remote + Explorer cable & WiFi Reel + device

Caution

- Do not throw the drone in the water.
- Do not activate / Arm the drone out of water.
- When activated, the drone emits a sound signal and position itself at a depth of 50cm to 1m.
- Do no immerse the drone in water less than 1m deep
- In ROV Mode the obstacle avoidance is deactivated. You are responsible of the drone's movements.
- The drone must be disarmed before any handling (put in/out of the water).
- In case of emergency immediately disarm the drone.

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DRONE AND EXPLORER CABLE START UP 1.

- 1. Place the battery inside the drone
 - Unscrew the battery compartment under the drone.
 - Place the battery inside the compartment.
 - A slight "bip" confirms the battery is in position.
 - Screw the cover until tight.

2. Connect the Explorer cable & WiFi Reel to the drone

- Unscrew the two black caps on the drone and at the end of the Explorer cable.
- Put the Explorer cable on the drone's connector according to the guide.
- Screw manually the ring. There is no need to use strength.
- If it does not screw easily, check the position of the cable on the drone's connector.

Do not use any tool to screw the ring.

- Screw the two black caps together to avoid them to (\rightarrow) hana.
- Secure the cable on the drone with the carabiner.

3. Turn on the Explorer cable & WiFi Reel

- Press once the ON button and wait few seconds.
- The LED flashes once in white then quickly in blue.







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- 4. Turn on the IBUBBLE drone
 - **Turn on the drone's remote** by pressing the "Selec." button on the top of the remote.
 - Put the remote on the drone.

Do not remove the remote until the end of the setting up process.

The drone turns on and test all its components (lights activation, propellers, sound signal).



The Explorer cable & WiFi Reel is connected to the drone when the blue LED on the WiFi Reel flashes slowly.

2. CONNECTION TO THE IBUBBLE APP

- 1. Connect the iBubble App in WiFi with the drone
 - The drone's WiFi signal under the following format "iBubble-B827EBXXXXXX". If you do not detect the WiFi signal bring the device closer to the drone.

The App displayed the drone's status.

2. Start the Explorer Mode

- Access the Menu of the App by selecting the three lines at the top right of the screen
- At the bottom of the menu choose "Explorer Mode"



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Get to know your iBubble's scenarios and behaviour underwater right here!

Up to date

- 3. The App invites you to connect to the Explorer Cable & WiFi Reel
 - If there is a red banner, **check you WiFi connection**, you should be **connected in WiFi to the drone.**



- The App then display the name of the beacon and the password
- Copy the password



• Access the WiFi parameters of the device and connect to the Explorer Cable & WiFi Reel

The Explorer Cable & WiFi Reel signal is under the following format "iBubble-(→ beacon-XXXXXX".

• Paste the password when asked



Come back to the iBubble App, you can now see the live video from the drone.



3. START THE EXPLORATION

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Remove the drone's remote from the drone. You would not need it until the end of the exploration.

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- 1. Secure the Explorer cable & WiFi Reel to the ground To avoid it to be carried away by the drone.
- 2. Put the drone in the water
 - The carabiner is properly attached to the drone.
 - The drone is disarmed before to be handle.



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- 3. Arm/Activate the drone
 - On the screen with the propeller symbol.
- 4. Start the Exploration
 - Use the joystick and the commands on the phone to control the drone.



START UP



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4. AT THE END OF THE EXPLORATION

- 1. Bring back the drone to the surface
 - **Disarm the drone** with the device, selecting the propellers symbol.
 - Pull out the cable's part attached to the drone with the carabiner.

2. Turn off the drone

- Turn off the drone's remote by pressing simultaneously the three buttons
- Put the remote on the drone
- The drone will flashes its lamps
- Remove the remote drome the drone •
- The drone will turn off. ٠
- 3. Disconnect the drone and the Explorer cable & Wifi Reel.
 - Dry the connectors.
 - Unscrew manually the ring. There is no need to use strength.

If it does not screw easily, check the position of the cable on the drone's connector. Do not use any tool to screw the ring.

- Unhook the carabiner.
- Dry the inside of the connectors and screw back the black caps.
- 4. Turn off the Explorer cable & Wifi Reel
 - Long press the ON button and wait few seconds. The LED becomes orange then red and shut down.

START UP

FOLLOW MODE

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- 5. Rinse the drone with clear water. Thanks to a jet water stream or by immersing the drone in a water container.
- 6. Remove the battery. Put it in charge for the next exploration.

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7. Let the drone dry before storage.



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