Device OLFY

User guide

Updated on

03/2025

Before using this device, please read these operating instructions carefully and keep them for future use. If you pass this appliance on to another person, please also pass on these instructions for use.

6 rue Léonard de Vinci, 53 810 Changé FRANCE
contact@olfy-official.com
06 80 46 97 95

SUMMARY

6 rue Léonard de Vinci, 53 810 Changé FRANCE
contact@olfy-official.com
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I. Presentation of the OLFY system

The Olfy device lets you add an olfactory dimension to virtual reality experiences. This simple, innovative accessory is adaptable to all virtual reality headsets.

Note : This guide covers basic operation, cleaning and troubleshooting, as well as information on how to contact support and order supplies.

The OLFY system at a glance

These parts are supplied in kit form by OLFY
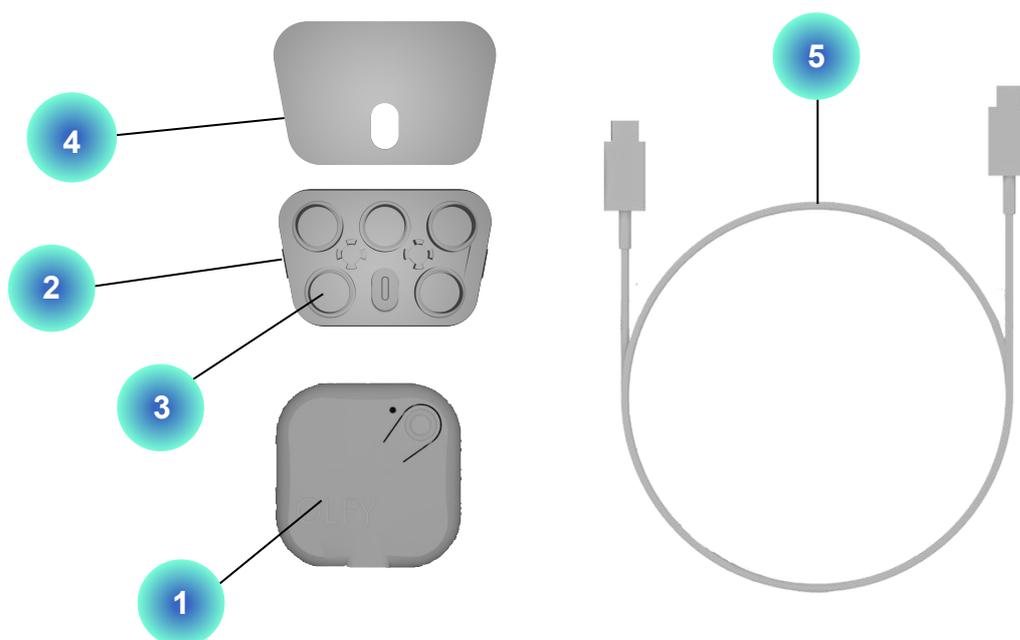
1. Battery, **ON/OFF** switch with indicator light, x1
2. Diffuser, x1
3. Vials, x 5
4. Lid, x1
5. Power cord (USB-C)

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Battery

1. **ON/OFF** switch: switches the OLFY device on or off. To turn off the power completely, press and hold for 3 seconds. switch off the accessory and unplug the power cord.

2. The indicator light (Red, Yellow, Green or Blue) indicates the status of the accessory. The different colors are shown on page 10 of the manual.

3. USB-C port for recharging the accessory and connecting the battery to the diffuser.

Warning : To charge the battery, use a charger that is not Power Delivery (Fast Charge) and that works with USB-A.

Diffuser
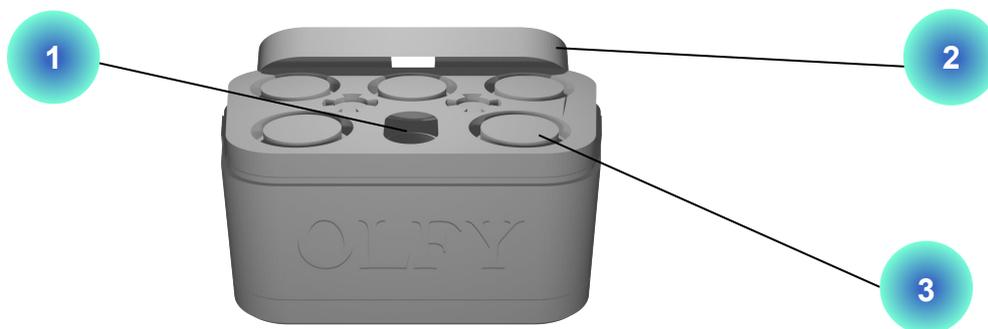
1. USB-C port for connecting the diffuser to the battery/controller
2. Lid
3. Vials (1 to 5)

This is exactly the same configuration for a three-scent diffuser.

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Fragrances

x1 Funnel for each vial
x3 1.2 ml vials

x1 10 ml bottle of fragrance(s)
and/or essential oil(s)

List of parts required

Advice : The following parts are not supplied with the OLFY accessory. We strongly advise you to bring your own:

1. A virtual reality headset and controllers (Oculus, Vive, or other...)
2. A bottle of alcohol (90° pharmaceutical or household) for cleaning.
3. Cotton buds.
4. Attache fil alimentation

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II. Installing the device on the headset

1 **Step 1**

Place the battery pack with the clip on the side of the VR headset.

Note : You can place the battery on either the left or right side of the virtual reality headset.

2 **Step 2**

Place the diffuser on the front of the VR headset. (The diffuser is attached using 3M double-sided tape).

Note : Position it on the bottom of the virtual reality headset so that it is as close as possible to the user's nose.

Warning : Make sure that the diffuser does not hide a camera on the virtual reality headset.

3 **Step 3**

Connect the two devices using the USB-C power cable

Note : You can add clips to the virtual reality headset to stabilize the power cable.

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4 Step 4

Insert the bottles by hand into the dispenser box. Once the bottles have been filled with their scent, open the lid of the diffuser and carefully insert the bottles into the slots provided.

Advice : To make handling easier, it's best to add the vials to the dispenser after placing the dispenser on the virtual reality headset.

Vial locations :

Repeat the operation with the other bottles, then close the lid.

Note : Glass bottles consist of a stopper and a cotton wool pad. Be sure to remove the stopper before inserting it into the diffuser.

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III. Network installation of the device - WIFI part

Note : You only need to connect the OLFY battery to the mains once.
It is not necessary to carry out the following operations each time the power is switched on, as the accessory will connect automatically.

1 **Step 1**

Connect the virtual reality headset to Wi-Fi

Advice : Check the Wi-Fi settings of the virtual reality headset brand.

2 **Step 2**

Connect the control unit to the Wi-Fi network:

Switch on the box by pressing the **ON/OFF** button.

By default, OLFY transmits its own Wi-Fi and this flashes with a yellow LED.

3 **Step 3**

Connect the "control" box to the IP address supplied by OLFY in the API document. Explanation described in P11.

Note : To change Wi-Fi, simply press and hold the button on the box for 5 seconds. Once you've done this, you need to go through the steps described above again with the new Wi-Fi network.

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Meaning LED - WIFI

Flashes red : On - not connected to a wifi network

When the battery is switched on but not connected to the Wi-Fi network,

a red flash appears. This means that it is looking for the Wi-Fi

previously connected.

Constant red : software or hardware problem

When there is a software or hardware problem,

a steady red light appears.

In this case, switch off and restart the box.

If the problem persists, contact OLFY support.

Flashing yellow : on - hotspot mode

Flashes green : connected - Wi-Fi network

Flashes blue : recharging

To check that the box is charging,

switch it on. **If it doesn't flash**

but the colour is still blue, the charge

is complete.

Note : You can recharge the battery with or without power.

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IP address connection

Note : To send the broadcast information, you need to connect the control unit to an Internet Protocol address provided by OLFY.

① Step 1

Switch on OLFY.
Connect OLFY-AP to the following IP address: http://192.168.4.1.

Wi-Fi Connection: OLFY-AP
Password : olfy12345678
IP address : 192.168.4.1

② Step 2

Go to the web page corresponding to the IP address you have been given. This page will scan and display all the networks present in the environment. Then select your network

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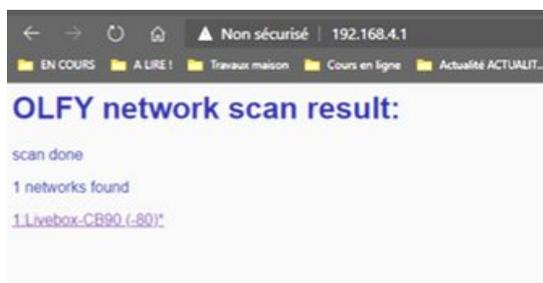
3 Step 3

1. enter the network password
2. click on validate

The OLFY system reboots and connects to the network.

4 Step 4

When OLFY is connected to the network, a confirmation message is displayed.
Then the LED goes through all the colours before stabilising on green, then white
once the USB-C is connected.

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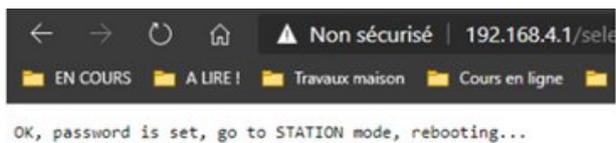
IV. Connecting the device - BLE part

1 **Step 1**

Switch on the device by pressing the ON/OFF button.
OLFY will then appear in your Bluetooth menu, flashing with a green
LED.

2 **Step 2**

Switch on the VR headset and launch the application you want to use with the
device.

3 **Step 3**

Just wait for the application to connect to the OLFY device. You don't have to do
anything, the headset and the device will connect automatically.

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Meaning LED - BLE

Flashes green : On and connected

Flashes blue : charging

To check that the box is charging, switch it on.

If it doesn't flash but the colour is still blue, the charge is complete.

Flashes Whit : diffuser box connected to control box

Note: You can recharge the battery with or without power.

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IV. Switching from WIFI to BLE mode and vice versa

1 Step 1

Turn on OLFY.

2 Step 2

Press and hold 5 times (approx. 1-2 seconds)

3 Step 3

Press and hold 1 time (approx. 3 seconds)

After these operations, the system should reboot and the LED should change colour:
- If you switch from Wifi to BLE, the LED will be green after the reboot.
- If you switch from BLE to Wifi, the LED will be yellow after rebooting.

Note: If this doesn't work then wait 4 seconds and repeat steps 2 and 3.

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V. Setting the broadcast parameters

If you have not been sent any settings to adjust the fragrance diffusion parameters, please refer to the following instructions and to the SDK manual supplied with your device.

The different parameters

To set the parameters for fragrance diffusion, you can adjust the intensity, duration and frequency of vibration. Each parameter is entered in the SDK supplied with the device.

Test with the application

Before entering the various parameters in the SDK, don't hesitate to test the different vials using the application. Refer to the application manual provided.

Select the model of box corresponding to the one you have

Duration: manage broadcasting time

Once you have set the parameters, press the number corresponding to the vial you wish to broadcast.

Intensity : manage the power of

Frequency : parameter to be adjusted according to the viscosity of your fragrance
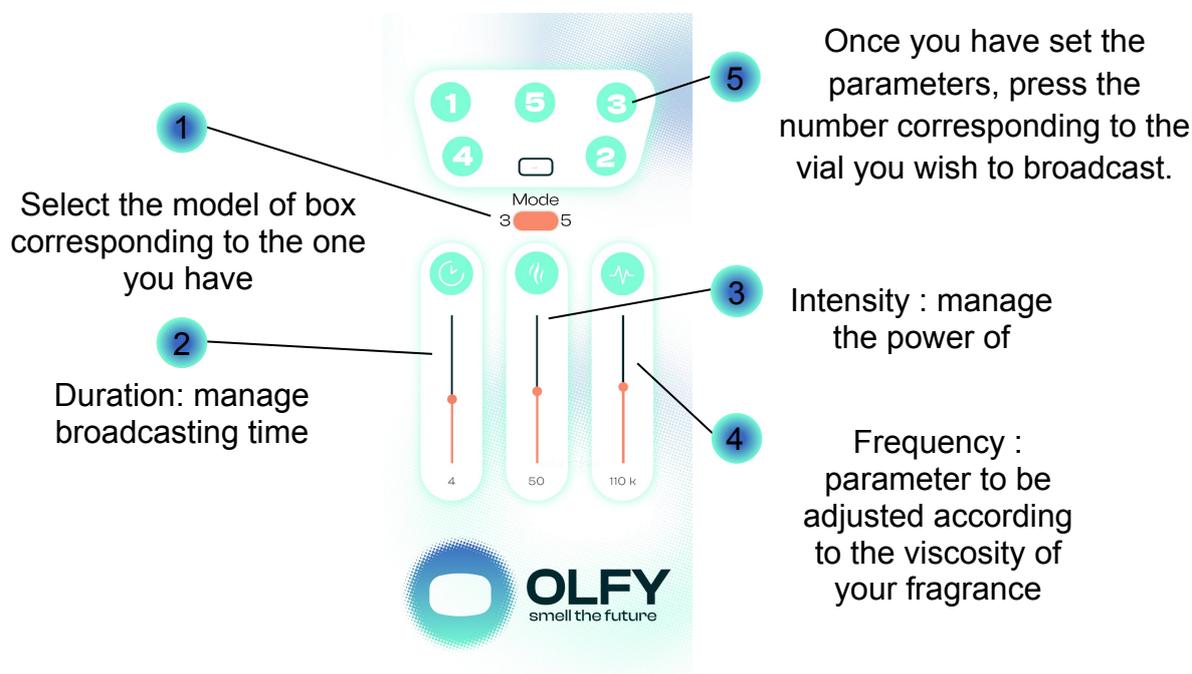
Application links in the store :

IOS : https://apps.apple.com/fr/app/olfy/id6456817396?l=en-GB

Android : https://play.google.com/store/apps/details?id=com.Olfy.OlfyApp

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OLFY
smell the future

VI. Cleaning and maintenance

⚠️ **Warning :** Unplug the appliance from the power supply before cleaning.

Control box

The battery is recharged using a USB-C to USB-A power cord connected to a standard mains charger.
If you're not using OLFY, you can store it in the box.

Diffusion box

1 **Step 1**

Switch off the battery (OFF button for approximately 5 seconds)

2 **Step 2**

Disconnect the diffusion part of the power cable connected to the battery, then remove the diffusion box from the headphones for easier handling.

3 **Step 3**

Take a cotton bud soaked in pharmaceutical alcohol and clean the membranes (top and bottom).

💡 **Advice :** It is advisable to wash your hands after cleaning the diffuser or to clean directly with a pair of gloves that you change
each time you handle the bottle..

💡 **Advice :** We recommend that you clean, remove and store the bottles separately after each use, to avoid any odor pollution..

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VII. Precautions for use

Advice

Advice : We recommend that you use the same bottle on the same diffusion site, to avoid mixing odours.

Advice : It is also preferable to refill the perfume in an empty bottle that has previously contained the same scent.

Advice : We recommend storing the OLFY accessory in its packaging in a dry place.

Important additional information

– In diffusion mode, the OLFY must be used in a temperature range between 15°C and 25°C.
– In charge mode, OLFY must be used in a temperature range between 0°C and 45°C.
– For storage, the OLFY must be kept at a temperature above 0°C and below 45°C.
– Under normal use and load, OLFY should be used at around 1,01325 bar.
– The minimum age for using or handling the OLFY system is 12 years. Under this age the use of the system is forbidden.
– There is no height limit for using the OLFY.
– In normal use, the voltage at the output of the control box and the current at the input of the diffuser box is 16V and the current is 75mA.

– Replacement of a battery with an incorrect type that may defeat protection (in the case of certain types of lithium batteries, for example);
– Disposal of a battery in a fire or hot oven, or mechanical crushing or cutting of a battery, which could cause an explosion;
– Keeping a battery in a very high-temperature environment, which could cause an explosion or leakage of flammable liquid or gas;
– Battery subjected to extremely low air pressure, which could cause an explosion or leakage of flammable liquid or gas.
– OLFY uses water for its diffusion tests. Users are responsible for checking the flash point when using or ordering any other liquid.

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VIII. Composition perfumes

Composition of a perfume vial

Note : When putting together a vial of fragrances, make sure you follow the instructions below. If the instructions are not followed, the device may not trigger.

The device only works with the fragrances specified in the estimate and included in the box.

Warning : If the composition changes, the device will not be able to trigger the diffusion of odours because they are not adapted.

Fragrance refills

To refill your fragrance vial, take the bottled fragrance(s), the empty vials, a funnel and a pipette.
For the contents of the perfume bottle into the vial using the funnel or pipette.

Ordering scent vials

We invite you to contact OLFY support if you wish to :
- obtain existing fragrances ;
- a particular fragrance;
- order empty refillable vials

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IX. Trouble-shooting, guarantee and end of life

This chapter contains troubleshooting information relating to the OLFY accessory. In particular, it provides information on problems relating to installation, configuration, certain aspects of use and end of life. For further troubleshooting or end-of-life information, please contact the company.

Trouble-shooting

Troubleshooting common problems encountered during installation :
- Wi-Fi network too weak
- Diffusion vial(s) incorrectly positioned
- Battery depleted

In this case, proceed as follows:
1. Disconnect the USB-C cable from the battery and the device
2. Disconnect the Wi-Fi from your computer
3. Restart your computer
4. Turn off the battery, wait a few minutes, then restart the device
5. Remove all the vials from their positions
6. Clean the diffuser completely
7. Place the vials in their correct positions, making sure to close the lid tightly.
8. Reconnect the battery to the Wi-Fi and enter the API access address
9. Launch the video or immersive content

Advice : You can manually test the diffusion from your computer on each fragrance vial output before launching the immersive content.

WARNING : risk of fire or explosion if the battery is replaced by an inappropriate type.

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Before calling customer support

Proceed as follows:

1. Make sure that :
   a. The Olfy battery is correctly connected to the diffuser and powered up.
   b. The scent vials are correctly installed
   c. The coding for sending the information for diffusion is correctly filled in.
2. Re-configure the Olfy device

Contact support

For more information, please contact support at : contact@olfy-official.com

In your e-mail, be sure to include all of the following information:
- Your company name
- Your surname, first name, e-mail address and telephone number
- Date of purchase and order number
- MAC number of the system on the battery pack.
- Describe the problem encountered in detail, as well as your troubleshooting attempts
- Write down the serial number (which will be given to you when you order)

Advice : By providing as much information as possible, you will enable assistance to respond to your request as effectively as possible.

Advice : Keep close to the OLFY device to make it easier to talk to support when they contact you again.

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Guarantee

The warranty period for OLFY accessories begins on the date of purchase by the consumer. The warranty lasts for 2 years. Interventions under the terms of the guarantee shall not have the effect of extending the duration of the guarantee.

All breakdowns or defects rendering the product unfit for use and resulting in the return of the product by the consumer during the warranty period are covered.

All damage, breakdowns, failures or defects resulting from :
- Use or installation that does not comply with the instructions in the manual supplied
- Damage resulting from a cause external to the product.
- Following modification of the technical characteristics by the user
- Personal, non-professional use
- Parts subject to wear and tear (e.g. power cord, perfume bottles and vials, etc.).

The guarantee applies only to SAS OLFY. In the event of a problem or defect, you must always go to OLFY in order to benefit from warranty coverage.

Any after-sales service request can only be processed if :
- proof of purchase is provided (invoice)
- the product is strictly identical to the one purchased.

For further information, please contact OLFY.

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End of life of the Olfy system

If one of the OLFY components is no longer working and is affecting the overall operation of the system, return it to the manufacturer.
The manufacturer will analyse the problem and recycle it if necessary.

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Appendix

Table of symbols :

Symbols	Meaning
	Indicates that it is a system user manual
	Indicates a note
	Indication requiring the user's special attention
	Indicates advice for use
	the "crossed-out wheeled garbage can" means that used appliances or waste electrical and electronic equipment must never be thrown in the household garbage.
	"DC current" means the presence of a direct current.

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Version table :

Versions	Modification date	Changes made
V1.0	24/11	Mixing version 3 and version 5 in a single document
V1.1	25/01	Modification 'II. Installation of the device on the helmet' with the addition of the item "double-sided tape". Addition of a section concerning the environment of use in 'VII.Precautions for use' named 'Additional important information'. Addition of information on 'Troubleshooting' and 'End of life of the system' in 'IX. Troubleshooting, warranty and end of life'. Addition of a table of symbols
V1.2	25/01	Addition of the voltages and currents at the output of the control box to the diffuser in 'VII.Precautions for use' named 'Additional important information'.
V1.3	17/02	– Addition of two symbols to the symbol table – Precision additions to additional information
V1.4	26/03	– Precise process for switching off the control unit – Added download links for our test application.