



MADE IN FRANCE 

WWW.DRONAVIA.COM | +33 (0) 354 400 078 | VERSION 1.1

USER MANUAL & INSTRUCTIONS

ZÉPHYR RESCUE DEVICE FOR DJI MATRICE 30
WITH CO₂ RELEASE DEVICE



SUMMARY

PRESENTATION OF THE PARACHUTE SYSTEM

- 01 The CEO's words
- 02 Parachute system presentation
- 04 Warnings and precautions for use
- 06 The 15 rules to respect

USES OF THE ZÉPHYR M30 PARACHUTE

- 08 Introduction
- 09 Components presentation
- 11 System elements
- 13 Parachute installation
- 18 Parachute installation with accessory (optional)
- 24 Parachute activation
- 26 Parachute disassembly

USES OF THE ZÉPHYR M30 PARACHUTE

- 27 Parachute activation with FTS (optional)
- 28 FTS activation without parachute (optional)
- 29 System status
- 30 Remote control battery checking
- 31 Parachute module battery checking
- 32 Parachute triggering
- 33 System shutdown
- 34 Remote control charging
- 35 Parachute module charging

USES OF THE ZÉPHYR M30 PARACHUTE

- 37 Safety button installation (optional)
- 40 Parachute triggering with safety button (optional)

OPERATING PROCEDURES & MAINTENANCE

- 41 Introduction
- 42 Preventive maintenance
- 43 Post-triggering maintenance
- 44 Our manufacturer maintenance package
- 45 CO2 cartridge replacement

OPERATING PROCEDURES & MAINTENANCE

- 47 Parachute rearming
- 50 Spring and percussion tip checking
- 51 Parachute canopy folding
- 52 Remote control resetting
- 53 Parachute module resetting

MAINTENANCE & GUARANTEES

- 54 Storage of the parachute
- 54 Specific maintenance
- 54 Guarantee
- 54 Liability notice

USEFUL LINKS

- 55 Useful links

CONTACT US

- 56 Contact us





CONGRATULATIONS !
YOU JUST HAVE
ACQUIRED YOUR
ZÉPHYR MATRICE 30
PARACHUTE.

At Dronavia, we have been developing since 2015 a wide range of innovative accessories to secure your professional drones. Based in France, we design and manufacture all our products in our own design office and workshop. The Zéphyr M30 parachute model has been developed and tested, according to the standards imposed by the DGAC and EASA, to ensure that pilots have the best risk management and safety measures during their flying missions. You will fly with your DJI Matrice 30 in complete safety.

Thank you for your trust & enjoy the flight!



Ludovic Pelletey, Dronavia's CEO.



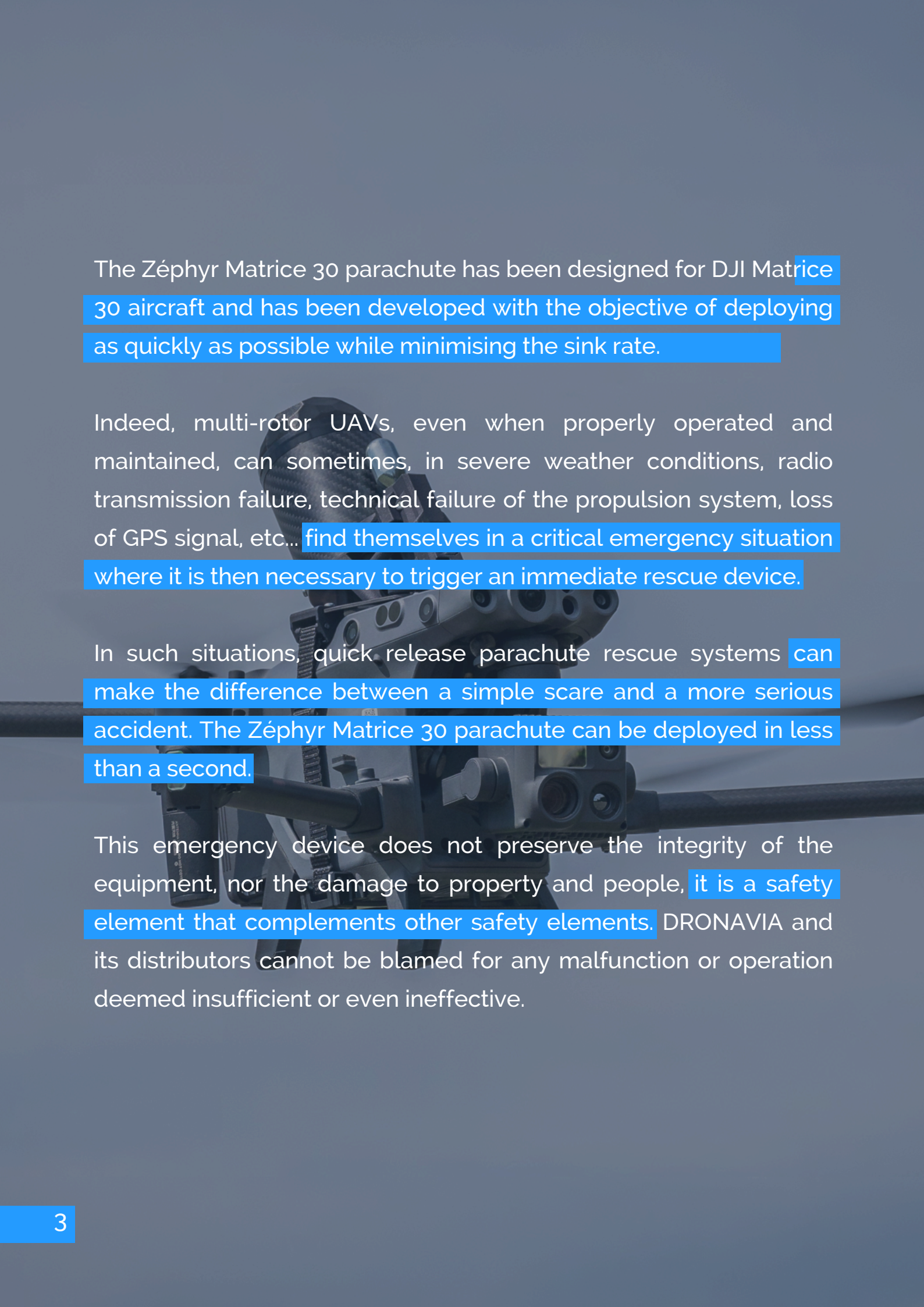
PRESENTATION

Dear customer,

Congratulations on the purchase of your new **DJI Matrice 30 CO2 Rescue Parachute: Zéphyr Matrice 30.**

You have chosen the device that we are sure **is the most efficient system of its kind.** A lot of research and testing has been done on this system **to make it as safe and effective as possible.** However, we would like to inform you that as there is no testing or certification centre for drone rescue systems, we cannot claim to be operating to any operational standard.

Based in Remiremont, France, DRONAVIA is at your service to advise you on the purchase of your Matrice 30 parachute and to answer any technical or commercial questions.



The Zéphyr Matrice 30 parachute has been designed for DJI Matrice 30 aircraft and has been developed with the objective of deploying as quickly as possible while minimising the sink rate.

Indeed, multi-rotor UAVs, even when properly operated and maintained, can sometimes, in severe weather conditions, radio transmission failure, technical failure of the propulsion system, loss of GPS signal, etc... find themselves in a critical emergency situation where it is then necessary to trigger an immediate rescue device.

In such situations, quick release parachute rescue systems can make the difference between a simple scare and a more serious accident. The Zéphyr Matrice 30 parachute can be deployed in less than a second.

This emergency device does not preserve the integrity of the equipment, nor the damage to property and people, it is a safety element that complements other safety elements. DRONAVIA and its distributors cannot be blamed for any malfunction or operation deemed insufficient or even ineffective.

⚠️ WARNINGS AND PRECAUTIONS FOR USE

Dronavia may suspend the warranty and disclaim any liability to any person who fails to observe the basic safety instructions set out below.

Dronavia accepts no responsibility for damage or injury caused directly or indirectly by the use of CO2 cartridges or by the use of CO2 cartridges that do not meet the safety requirements and standards.

Before handling the Zéphyr Matrice 30 device, you must read this manual carefully. It provides information on how to use the parachute. In addition to the important notes and information mentioned in this manual, the owner of the device must follow all the important instructions listed below.

WARNINGS AND PRECAUTIONS FOR USE

The Zéphyr Matrice 30 parachute is a safety device which, under certain conditions, prevents the free fall of the drone equipped with it. This equipment does not prevent technical problems from occurring on the drone.

Any flight with a drone implies the existence of a danger for the equipment and the people in the vicinity, independently of the equipment used. The use of the Zéphyr Matrice 30 parachute should not increase your risk taking. Therefore, please respect the rules below.



THE 15 RULES TO RESPECT

1. It is forbidden to carry out any manipulations other than those specified in the manual.
2. The device should only be used by or under the supervision of a responsible adult. Always keep the device out of the reach of children. Do not let them play with it.
3. Under no circumstances should you disassemble the various parts of the device, except during the maintenance provided for this purpose and in accordance with the indications provided in this manual.
4. Do not place the device in a damp or wet environment and keep it out of direct sunlight.
5. Do not expose the system to high temperatures, severe shocks, contact with chemicals, acids, long term storage in high humidity or dust. Improper use may cause the CO2 cartridge to burst and endanger your life. The maximum operating temperature is 40°C and the minimum operating temperature is -15°C.
6. The condition of the Zéphyr Matrice 30 parachute system should be checked before each use. Do not use the device if it is damaged, malfunctioning or leaking. If necessary, contact your dealer.
7. The Zéphyr Matrice 30 parachute cannot prevent the drone from malfunctioning.
8. Any flight with a drone implies the existence of a risk for the equipment and people in the vicinity, with or without a Zéphyr Matrice 30 parachute.





THE 15 RULES TO RESPECT

9. The use of a Zephyr Matrice 30 parachute should not in any way increase your risk-taking.
10. The Zephyr Matrice 30 parachute attempts to counteract the free fall of a malfunctioning UAV. However, there are drop situations where the effectiveness of the Zephyr Matrice 30 parachute may be limited or impeded.
11. The Zephyr Matrice 30 parachute must be actively activated by the user. Regular training is necessary to be able to react correctly in an emergency.
12. The CO2 cartridge and the ejection system only work once. They must be returned to your dealer to be recharged to maintain the system's warranty. However, you can recharge the system yourself by following the instructions in this manual. It is your responsibility to ensure that the system's warranty is maintained.
13. When reloading the device, it is forbidden to do so with people nearby, and especially with the barrel pointing in their direction. You must take the same precautions as when handling a loaded rifle. In case of untimely firing during this stage or of bad handling, the firing pin can be ejected and cause serious injuries.
14. After the device has been triggered, it is recommended that each component be carefully inspected to ensure its integrity. If in doubt, contact your dealer.



15. After switching on the system, if the LED changes to a steady red state, do not use it and contact your dealer for service.

In this section you will find all the information you need to use your Zéphyr M30 parachute.

The activation of a drone rescue system is not a harmless act. It should only be done in an emergency situation. We remind you that limiting the impact on the ground does not guarantee the preservation of the aircraft, nor the absence of damage to the ground or injury to persons.

Any use on a drone other than a DJI Matrice 30 is prohibited.

The configuration of the parachute system must not be modified (ejection mechanism, connection elements, lines, etc.) so as not to jeopardize its proper functioning.

COMPONENTS PRESENTATION



ADDITIONAL ACCESSORIES SUPPLIED

- 1 2mm allen key
- 1 Micro-USB cable



COMPONENTS PRESENTATION

OF THE ZÉPHYR M30 PARACHUTE

TOTAL WEIGHT	330G (WITH CARTRIDGE)
DEVICE EJECTOR	CO2 CARTRIDGE 4 GRAMS
MINIMUM HEIGHT EFFICIENCY	FROM 15 METERS
COMMUNICATION WIRELESS RADIO	SRD860 WITH ENCRYPTED KEY (868 MHZ / 100 MW)
RANGE OF THE REMOTE CONTROL	1500 METERS
PARACHUTE AUTONOMY	5 HOURS (UNLIMITED IF CONNECTED TO THE FTS)
REMOTRE CONTROL AUTONOMY	30 HOURS
GROUND IMPACT ENERGY	< 50 JOULES
OPERATING TEMPERATURE	-15°C À 40°C

SYSTEM ELEMENTS

The Zéphyr parachute module contains the system's dedicated electronics, the wireless communication module and a power supply battery independent of that of the UAV. It is composed of an ignition button, located on the back, and an indication LED (Figure 1).

The Zéphyr module also integrates the CO2 device consisting of a 4G threaded CO2 cartridge allowing the ejection of the parachute canopy. A micro USB port is available to recharge the system's internal battery as well as an extension port allowing the system to be connected to a USB-C socket.



SYSTEM ELEMENTS

The remote control module consists of a red adhesive base, an oval ignition button on the back, a triangular parachute release button, an indicator LED, three white battery level LEDs, an extension port on the left side and a USB port on the right side for recharging (Figures 2, 3 & 4). The carbon ejection tube contains a parachute cloth (Figure 5).



FIGURE 2



FIGURE 3



FIGURE 4



FIGURE 5

PARACHUTE INSTALLATION

The Zéphyr Matrice 30 parachute system can be installed in a few minutes. To install the parachute, please follow these instructions in order:

- 1 Unscrew the plug cover using a small cross-headed screwdriver.



FIGURE 6

- 2 Carefully position the parachute on the drone, taking care when inserting the parachute's USB-C socket into the drone's USB-C socket.



FIGURE 7

PARACHUTE INSTALLATION

- 3 Once the Zephyr parachute system is perfectly positioned, screw in the hand-screws (figure 8). Let the straps hang down on both sides of the drone (figure 9)



FIGURE 8

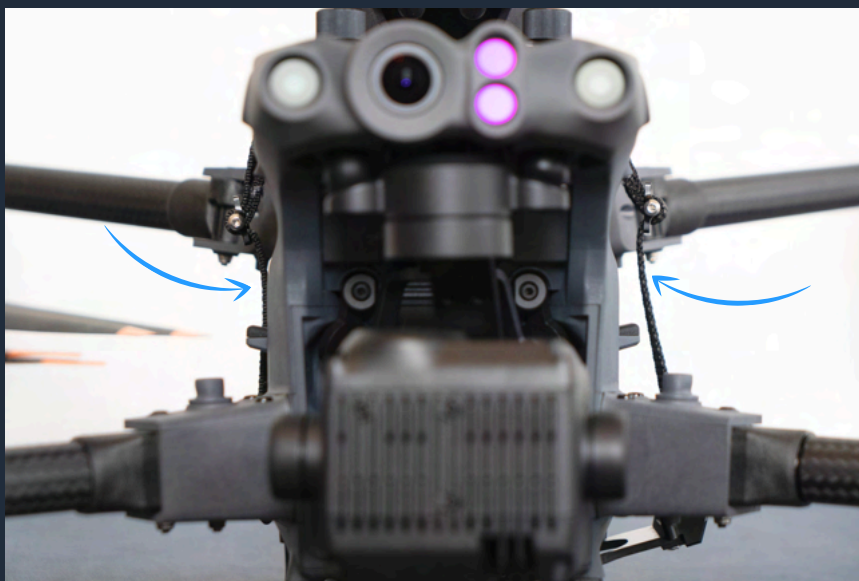


FIGURE 9

PARACHUTE INSTALLATION

4

Centre the bottom plate on the bottom of the drone (figure 10)



FIGURE 10



Handle your Matrice 30 drone with care when turning it over.

PARACHUTE INSTALLATION

5

Insert the latch on the dedicated part of the bottom plate (figure 11). Lock the strap latch on the bottom plate by lifting the latch (figure 12,13)



FIGURE 11



FIGURE 12



FIGURE 13

PARACHUTE INSTALLATION

6

Install the Zephyr trigger remote control on its red base and then attach the remote control with the adhesive provided to the DJI Matrice 30 radio control (figure 14 & 15). Before gluing the base permanently in place, carry out a positioning test.

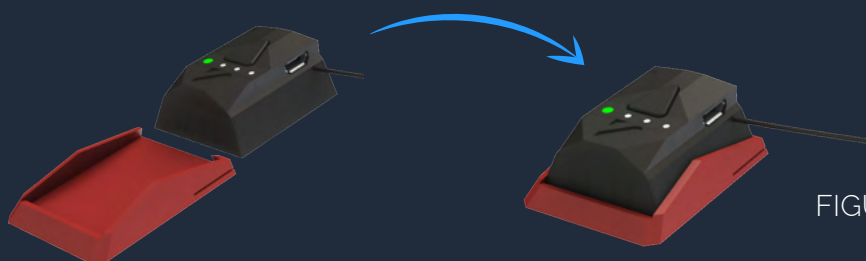


FIGURE 14



FIGURE 15



Your Zéphyr M30 parachute is operational !

PARACHUTE INSTALLATION

with accessory

OPTIONAL

- 1 Unscrew the plug cover using a small cross-headed screwdriver. (figure 16)



FIGURE 16

- 2 Unscrew the spacers from the hand screws. (figure 17)



FIGURE 17

PARACHUTE INSTALLATION

with accessory

OPTIONAL

3

Carefully position the parachute on the drone, taking care when inserting the parachute's USB-C socket into the drone's USB-C socket. (figure 18)



FIGURE 18

4

Place the accessory on the drone. Secure the accessory using the screws supplied with it. Connect your accessory using the remote USB-C socket located on the parachute. (figure 19 & 20)



FIGURE 19 & 20

PARACHUTE INSTALLATION

OPTIONAL

- 5 Once the Zephyr parachute system is perfectly positioned, screw in the hand-screws (figure 21). Let the straps hang down on both sides of the drone (figure 22)



FIGURE 21

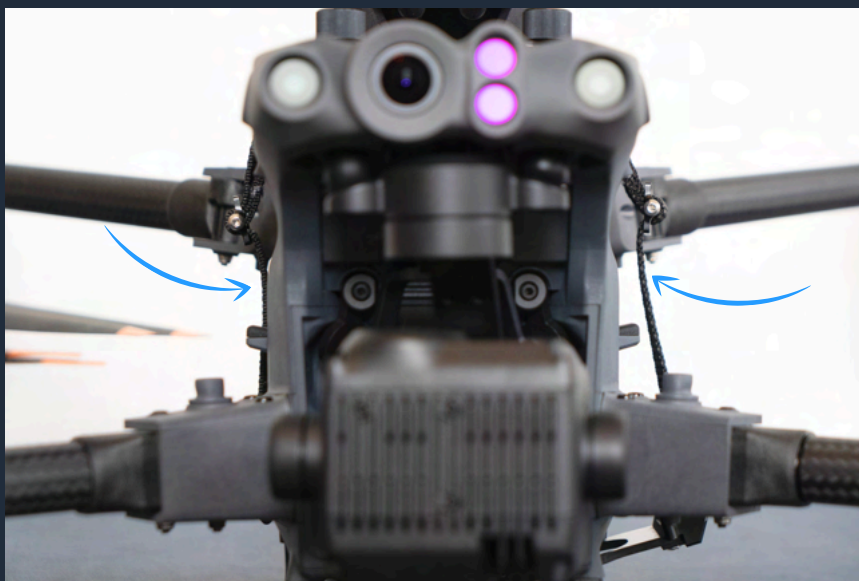


FIGURE 22

PARACHUTE INSTALLATION

OPTIONAL

- 6 Centre the bottom plate on the bottom of the drone (figure 23)



FIGURE 23



Handle your Matrice 30 drone with care when turning it over.

PARACHUTE INSTALLATION

OPTIONAL

7

Insert the latch on the dedicated part of the bottom plate (figure 24). Lock the strap latch on the bottom plate by lifting the latch (figure 25,26)



FIGURE 24



FIGURE 25



FIGURE 26

PARACHUTE INSTALLATION

OPTIONAL

8

Install the Zephyr trigger remote control on its red base and then attach the remote control with the adhesive provided to the DJI Matrice 30 radio control (figure 27 & 28). Before gluing the base permanently in place, carry out a positioning test.

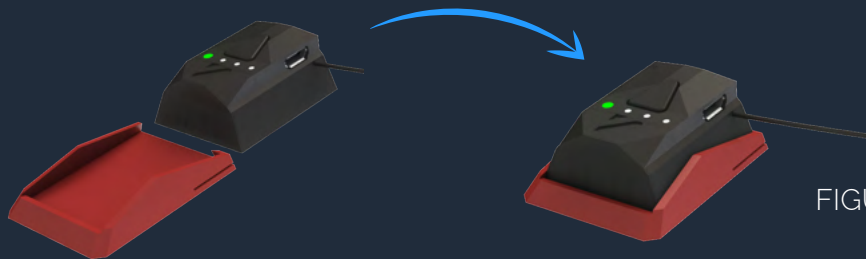


FIGURE 27



FIGURE 28



Your Zéphyr M30 parachute is operational !

PARACHUTE ACTIVATION

To activate the parachute, follow these steps in order:

1

Turn on the remote control module by pressing the power button (on the back of the remote control) for 2 seconds. (figure 29)

2

If you have connected the parachute to the drone using the supplied cord, turn on the drone and the parachute will automatically turn on.

3

Otherwise, turn on the parachute module by pressing the ignition button for 2 seconds. (figure 30)



FIGURE 29

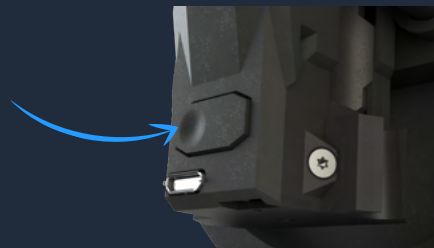


FIGURE 30



Your Zéphyr M30 parachute is active !



➤ YOUR ZÉPHYR M30
PARACHUTE IS
ACTIVE &
OPERATIONAL!



PARACHUTE DISASSEMBLY

1

To remove the system, simply follow the installation instructions in reverse order.

The remote control module can remain installed on the DJI M30 radio without disturbing its operation.

PARACHUTE ACTIVATION WITH FTS

OPTIONAL

To activate the parachute on a drone equipped with a FTS, follow these steps in order:

- 1 Turn on the remote control module by pressing the power button (on the back of the remote control) for 2 seconds.
- 2 Turn on the drone.
- 3 If you have connected the parachute to the drone or to the external FTS using the supplied cord, the parachute should automatically turn on when the drone is turned on. Otherwise, turn on the parachute module by pressing the power button for 2 seconds.



Your Zéphyr M30 parachute is active !

FTS ACTIVATION WITHOUT PARACHUTE

OPTIONAL

It is possible to activate only the FTS on a drone equipped with a parachute and a FTS, for example in a S2 scenario flight. To activate only the FTS on a drone equipped with a parachute with a FTS, follow these instructions in order:

- 1 Disconnect the connection cable at the back of the parachute module
- 2 Turn on the remote control module by pressing the power button (on the back of the remote control) for 2 seconds.
- 3 Turn on the drone.
- 4 Wait 30 seconds. After 30 seconds, the remote control stops searching for the parachute and only communicates with the FTS.



After a flight without a parachute, if you wish to reactivate the parachute, it will be necessary to switch the remote control module off and on again so that it reconnects to the parachute.

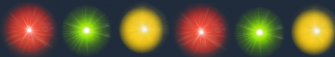


This procedure allows you to test the engine shutdown alone on the ground before take-off without triggering the parachute.

SYSTEM STATUS

Two LED indicators on the remote control and parachute side help you check the system status in real time. Here is a summary of the different states:

NORMAL FUNCTIONING



System initialisation



Operational system (Parachute only or FTS only)

SLOW FLASHING



Parachute only or FTS only triggered

RAPID FLASHING



Operational system (Parachute and FTS)

SLOW FLASHING



Parachute and FTS triggered

RAPID FLASHING

SYSTEM & BATTERY ALERT



No remote control signal

SLOW FLASHING



Low battery

SLOW FLASHING



System error

PERMANENT LED



Battery charging

PERMANENT LED



Battery charged

PERMANENT LED

REMOTE CONTROL BATTERY CHECKING

Four indicator lights allow you to check the battery level of the zéphyr remote control. A short press on the remote control's power button indicates the remaining battery level according to the number of indicators lit (figure 31).



FIGURE 31

PARACHUTE MODULE BATTERY CHECKING

A short press on the parachute module's ignition button indicates the remaining charge level by the number of times the indicator flashes. (figure 32)

1X	●	25%
2X	● ●	50%
3X	● ● ●	75%
4X	● ● ● ●	100%



FIGURE 32



PARACHUTE TRIGGERING

To activate the parachute, follow these instructions:

- 1 Never attempt to activate the parachute on the ground. Refer to the "System Maintenance" chapter on page 35, if necessary.
- 2 The Zéphyr Matrice 30 parachute is designed to be activated at a minimum height of 15m / ground in standard atmospheric conditions.
- 3 For a fall from a height of 15 m, the impact on the ground is approximately 45 Joules with the Zéphyr Matrice 30 parachute system, compared to 1180 Joules without any device.

This data may vary depending on the altitude in relation to sea level, the relative wind and many other external factors. This is why we recommend a minimum height of 15 m / ground to trigger the Zéphyr Matrice 30 parachute system and sufficiently limit the impact of your drone on the ground.

PARACHUTE TRIGGERING

In order to keep the possibility of triggering the parachute at your fingertips and to be as reactive as possible, a simple gesture allows you to trigger the parachute system and to cut the motors (if a FTS is installed) of the DJI Matrice 30.

Simply press the triangular button on the remote control. For safety reasons, it is necessary to hold the position for at least 1 second until the LED flashes green or turquoise rapidly and to make sure that the contact is made correctly (figure 33).

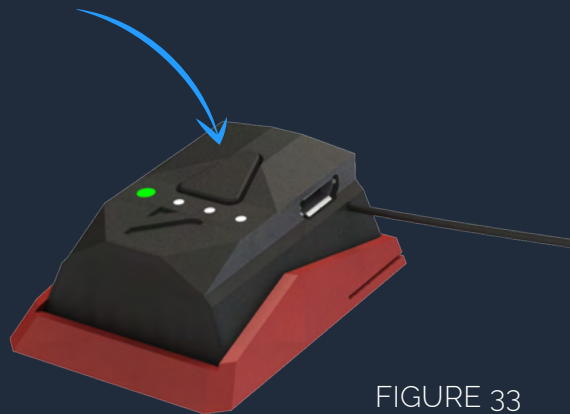


FIGURE 33



Once the LED flashes green or turquoise rapidly, the system has been successfully triggered.

SYSTEM SHUTDOWN

To stop, turn off and reset the parachute, follow these steps in order:

- 1 Turn off the parachute module by holding down the ignition button for 5 seconds. (figure 34)
- 2 Turn off the remote control module by holding down the power button for 5 seconds. (figure 35)
- 3 Turn off the drone.



FIGURE 34



FIGURE 35

REMOTE CONTROL CHARGING

To charge the remote control battery, simply connect a micro USB cable to the micro USB socket on the right and connect the cable to a computer (figure 36). The status LED will turn solid yellow to indicate charging and solid green once the battery is fully charged.

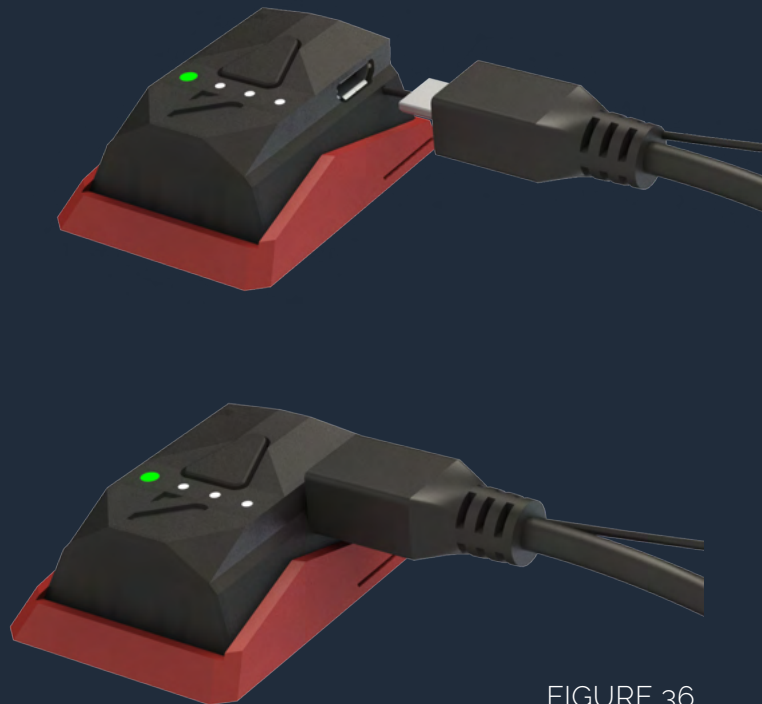


FIGURE 36

PARACHUTE MODULE CHARGING

To charge the parachute battery, simply connect a micro USB cable to the micro USB socket near the ignition switch and connect the cable to a computer (figure 37). The status LED will change to a solid yellow to indicate charging and to a solid green once the battery is fully charged.



FIGURE 37

1X	●	25%
2X	● ●	50%
3X	● ● ●	75%
4X	● ● ● ●	100%



SAFETY BUTTON INSTALLATION

OPTIONAL

You have the option to purchase and install an optional safety button. The safety button adds a second release button to the system to prevent unwanted triggers from inadvertently pressing the release button on the Zéphyr remote. The security button comes with a connection cable, to connect it to your Zéphyr remote control, simply connect the cable between the security button and the remote control (figures 38, 39, 40 & 41).

+ 10 H AUTONOMY (40H)

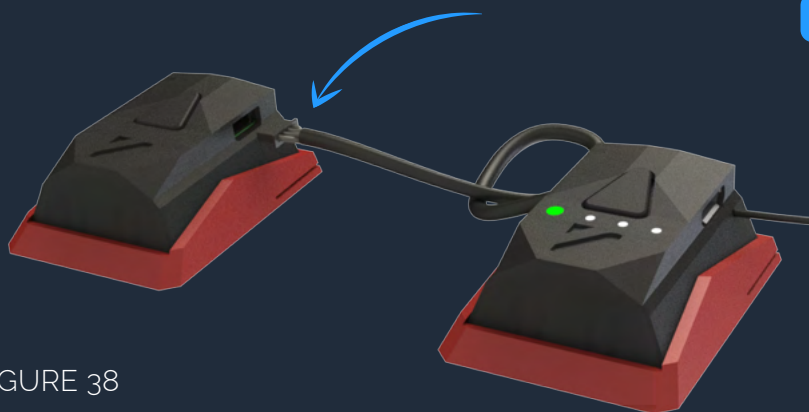


FIGURE 38



FIGURE 39

SAFETY BUTTON INSTALLATION

OPTIONAL

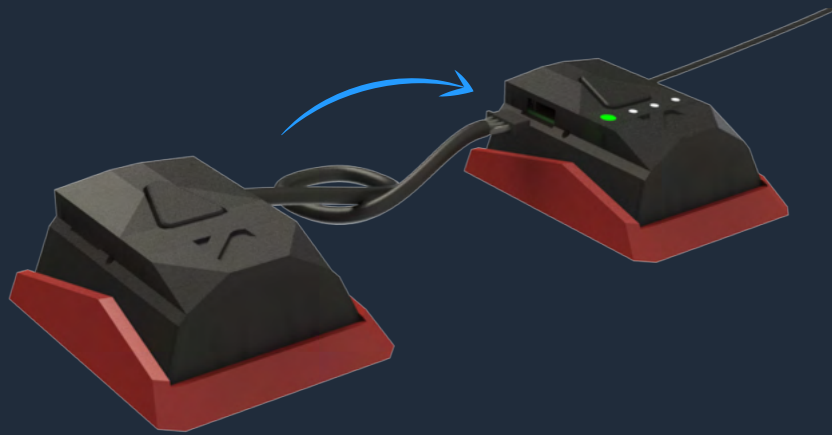


FIGURE 40



FIGURE 41



Check before each take-off that the safety button is correctly connected to the zéphyr remote control.

SAFETY BUTTON INSTALLATION

OPTIONAL

The Zéphyr remote control and safety button can be positioned on the matrice 30 remote control as shown in figure 42 below.



FIGURE 42

PARACHUTE TRIGGERING WITH SAFETY BUTTON

OPTIONAL

If your Zéphyr remote control is equipped with an optional security button, simply press the two triangular buttons on the remote and the security button simultaneously.

For safety reasons, it is necessary to hold the position for at least 1/2 second until the LED flashes green rapidly and to ensure that the contacts are made correctly (figure 43). Once the LED flashes green rapidly, the motors have been correctly switched off.

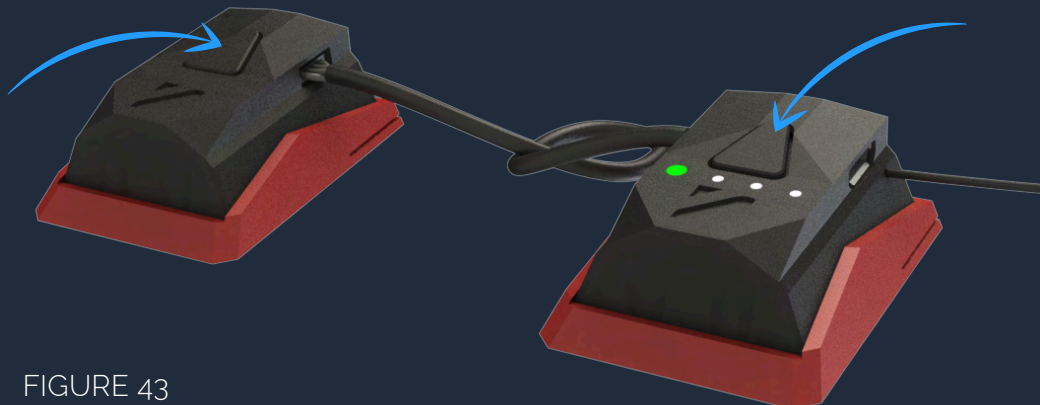


FIGURE 43

OPERATIONAL PROCEDURES & MAINTENANCE

To keep your parachute functioning optimally, it is necessary to carry out regular checking and maintenance procedures.

Replacing your CO2 cartridge, rearming your parachute, checking the spring of your parachute, folding the canopies, all these procedures are to be carried out either in a preventive way, or after a triggering. Some procedures being complex or dangerous, we advise you to opt for the manufacturer's maintenance service that Dronavia offers.

If you wish to do it yourself, Dronavia disengages its responsibility for the system, in addition to cancelling the warranty if you choose to rearm the system yourself.





PREVENTIVE MAINTENANCE

You should carry out preventive maintenance on your parachutes every year.

1

Change the spring every year. A spring that has been left in compression for too long will gradually lose its elasticity. It is therefore recommended to replace it preventively in order to maintain an optimal percussion speed with the CO2 cartridge.

2

Unfold, check, ventilate and refold the canopies every year. A tarpaulin that remains folded inside the ejector barrel becomes marked over time and may take longer to open than a newly folded tarpaulin. It is therefore recommended to unfold it, visually inspect it and refold it periodically.



POST-TRIGGER MAINTENANCE

You must carry out post-trigger maintenance after each activation of your parachutes.

- 1 The CO2 cartridge must be replaced after each activation (see CO2 cartridge replacement).
- 2 Check the tip of the hardened steel firing pin. The impact of the firing pin on the lid of the CO2 cartridge can wear out the tip and make it less prominent. The tip must be replaced systematically after a maximum of 4 firings.
- 3 Visually inspect the carbon ejection cylinder to ensure that it is not damaged as a result of parachute ejection (e.g. barrel cracks).
- 4 Visually inspect the canopies for damage, holes or contamination.
- 5 Inspect the lines for damage. More generally, check for external damage.
- 6 Ventilate the parachute for about 12 hours.

OUR MANUFACTURER MAINTENANCE PACKAGE

PRICE: 130€ EXCL.

In order to keep your system in optimal working condition, a manufacturer's maintenance package is available. This maintenance includes all the different maintenance steps presented in the sections "Preventive maintenance" and "Post-trigger maintenance".

This package also covers the return transport costs for the parachute system and its remote control.



+33 0 54 40 00 78



atelier@dronavia.com



www.dronavia.com

CO2 CARTRIDGE REPLACEMENT

The CO2 cartridges are single-use and must be changed after use. The new cartridge must be installed in line with the firing pin. We recommend the use of 4G CO2 cartridges, which have the following technical characteristics:

TYPE	CO2 CARTRIDGE
VOLUME	4 CC
TOTAL WEIGHT	18G (+/- 2G)
CAPACITY	4G (+/- 1G)
LID	WELDED
CONTAINER	UNWELDED STEEL
RECYCLING	100% RECYCLABLE STEEL
TRANSPORTABILITY	PLANE / TRAIN / BOAT



FIGURE 44



Dronavia offers cartridges specifically adapted to our systems for sale. Please contact us for more information.

CO2 CARTRIDGE REPLACEMENT

- 1 Make sure to keep the CO2 cartridge at a temperature below 45°C
- 2 Do not leave full cartridges in the car when the temperature is too high.
- 3 In case of prolonged inactivity, store your CO2 cartridges at normal temperatures of 10 to 20°C. CO2 cartridges can burst at temperatures above 70°C.
- 4 High temperatures can increase the pressure in the cartridge and this can prevent the device from working, possibly damaging it.
- 5 Avoid hitting the cartridge.
- 6 If corrosion spots appear on the surface of the cartridges, change them immediately.
- 7 Make sure the used cartridge is completely empty before removing it.
- 8 Do not cut or puncture the cartridge.
- 9 Install a gas cartridge of the same brand, size and content as the one sold with the device. (4 grams)
- 10 Once the gas cartridge is installed, do not attempt to unscrew or remove it.
- 11 Do not throw the cartridge into a fire.
- 12 Keep out of reach of children.
- 13 In order to avoid installing an unperforated cartridge that has been emptied of gas because it has failed (an extremely rare occurrence), we recommend weighing the new and used cartridges to check that the weights differ by about 4g.

PARACHUTE REARMING

After a trip, the system can be reused if it is reset according to the following procedure, but if this is not done correctly, it may not work properly. Therefore, Dronavia advises you to return the system for a factory reset and disclaims its responsibility for the system, in addition to voiding the warranty if you choose to reset the system yourself.



The parachute resetting operation is an operation that presents potential risks of injury at certain stages. We recommend that you be particularly vigilant and attentive to the following steps.

PARACHUTE REARMING

- 1 To reset the system, please follow these steps in order. Turn off the parachute module and then the remote control module.
- 2 Remove the CO2 cartridge (figure 45) & Insert the reset tool into the hole left by the CO2 cartridge (figure 46).



FIGURE 45



FIGURE 46



In the case of a ground test,
use the threaded reset tool.



PARACHUTE REARMING

3

Screw the tool in until it stops (figure 47). A force must be applied against this operation.



FIGURE 47

4

Switch on the remote control and the electronic module. Wait for the module to initialise. The force described above should disappear and the LED on the module should flash green (if this was not the case, repeat steps 4 and 5 until the force disappears and the LED flashes green)

5

Turn off the parachute module.

6

Remove the tool, install a new CO2 cartridge.

7

Fold the canopy into the carbon tube (see section on folding the canopy).



SPRING AND PERCUSSION TIP CHECKING

To check the system's spring or percussion tip, follow these steps in order:

- 1 Turn on the remote control module and then the parachute module.
- 2 Remove the CO2 cartridge.
- 3 Insert the arming tool as far as it will go, holding it firmly in place.
- 4 Trigger the parachute.
- 5 Gently pull out the tool and remove the firing pin and spring for inspection.
- 6 Follow the reset steps to restore the system to working order.

PARACHUTE CANOPY FOLDING

Folding the canopies of the Zéphyr Matrice 30 requires methodology and rigour as it is essential to fold the canopies according to precise criteria and a defined chronology. If you do not feel capable of doing this, we strongly advise you to call on competent or specialised people, or to contact Dronavia for a workshop return.

Before folding, take the opportunity to :

- 1 Visually inspect the canopies for damage, holes or contamination.
- 2 Inspect the lines for damage.
- 3 Ventilate the canopies for a dozen hours.



In the manufacturer's maintenance package offered by Dronavia, the inspection and folding of the canopies is included.

REMOTE CONTROL RESETTING

To reset your remote control, follow these steps :

In case of a malfunction, a bug or if the system does not respond anymore, a reset manoeuvre on the remote control can solve your problem.

1

To reset the remote control, you will find a small hole on the left side (figure 48). Slip in a paper clip or other thin object, a short press will reset the remote control.



FIGURE 48



If your problem persists, contact your reseller.

PARACHUTE MODULE RESETTING

To reset your parachute module follow these steps :

In case of a malfunction, a bug or if the system does not respond anymore, a reset manoeuvre on the parachute module can solve your problem.

1

To reset the parachute module, you will find a small hole on the left side (figure 49). Slip in a paper clip or other thin object, a short press will reset the parachute module.

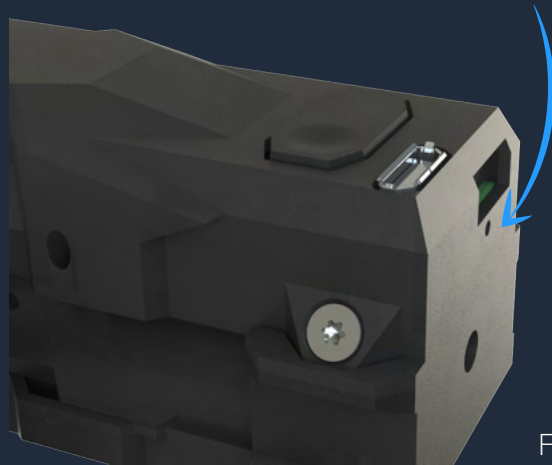


FIGURE 49



If your problem persists, contact your reseller.

MAINTENANCE & GUARANTEES

PARACHUTE STORAGE

Store the Zéphyr Matrice 30 rescue parachute in a dry, cool, clean and UV protected place.

SPECIFIC MAINTENANCE

In case of contact with moisture, you must dry the canopies immediately to avoid mould. Contact with petrol or other solvents and chemicals can considerably reduce the strength of the canopies. The parachute and lines should be cleaned only with water without soap and then dried.

GUARANTEE

Dronavia takes great care in the design and production of its products. We guarantee our parachutes for one year from the date of purchase against any defect or design fault that may occur in the course of normal use of the product. Any abuse or incorrect use, any exposure to aggressive factors (high humidity, high temperature...) that would lead to damage will invalidate this warranty.

NOTICE OF LIABILITY

Flying a drone, whether manual or automatic, is an activity that requires attention, specific knowledge and good judgment. Be cautious, train in appropriate structures, take out insurance and comply with the requirements defined by the DGAC orders of 11 April 2012 and 17 December 2015.

USEFUL LINKS

For France, we recommend that you consult the website of the Ministry of Ecology, Sustainable Development and Energy if you have any doubts or questions.

WEBSITE OF THE MINISTRY OF ECOLOGY & SUSTAINABLE DEVELOPMENT AND ENERGY

<http://www.developpement-durable.gouv.fr/quelle-place-drones-dans-ciel-francais>

DETAILS OF THE ORDER OF 11/04/2012 :

<https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000025834986>

DETAILS OF THE ORDER OF 17/12/2015:

<https://www.legifrance.gouv.fr/eli/arrete/2015/12/17/DEVA1528469A/jo>

MAP OF DRONE RESTRICTION AREAS BY THE IGN

<https://www.geoportail.gouv.fr>

THE DIRECTORATE GENERAL OF CIVIL AVIATION (DGCA)

<https://www.ecologie.gouv.fr/direction-generale-laviation-civile-dgac>



Remember that you are flying under your own responsibility!

CONTACT US



+33 0 54 40 00 78



distri@dronavia.com



www.dronavia.com

