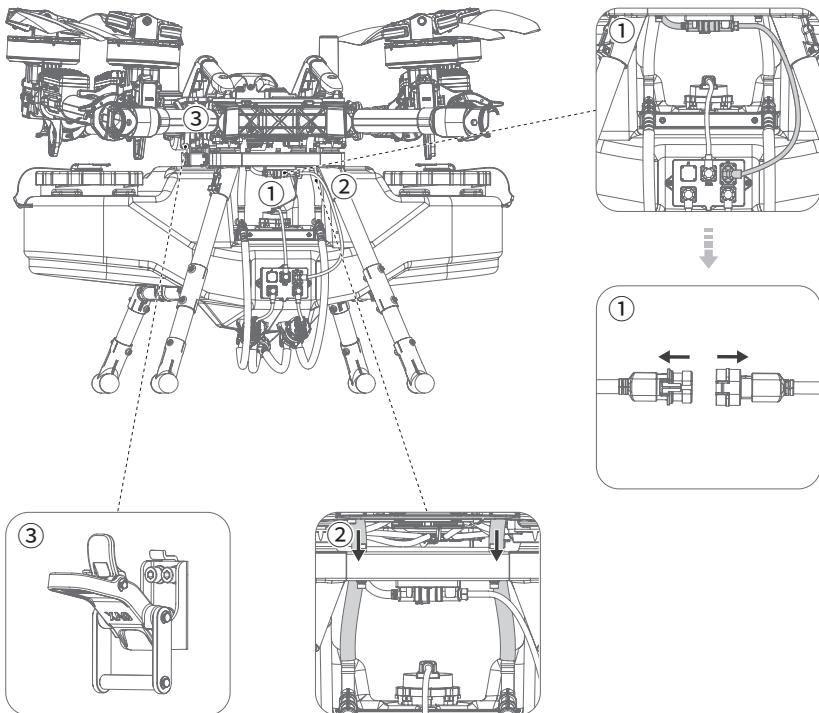


Remove RevoSpray

- ① Remove the airframe payload system cable and the RevoSpray payload system cable from the cable holder and disconnect them.
- ② Disconnect the two liquid tubes connected to the RevoSpray from the airframe.
- ③ Open the airframe hasps (two on each side) and remove the RevoSpray.

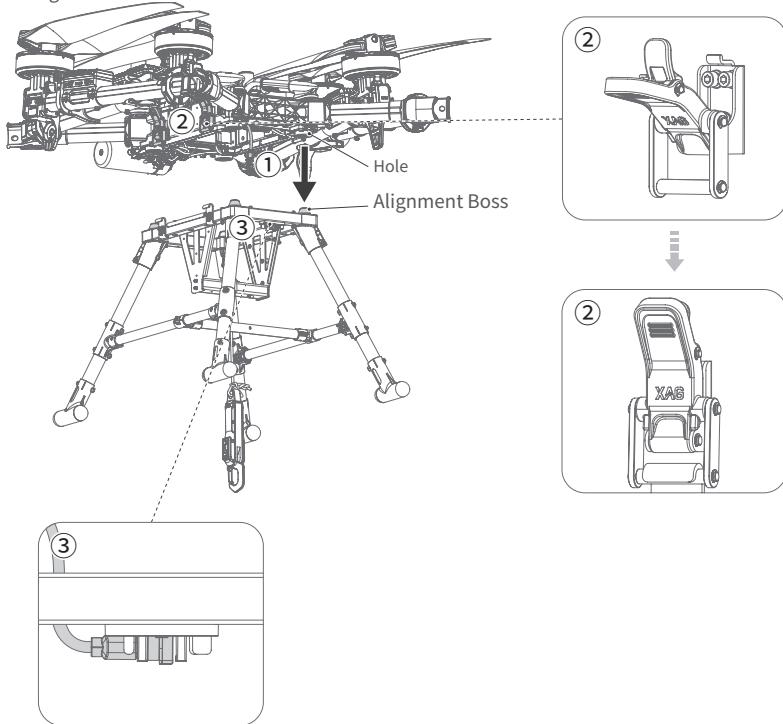


Note

- ⚠ Before removing the RevoSpray, please ensure that any pesticide residue in the liquid tubes has been thoroughly cleaned.
- ⚠ Before installing the RevoSling, be sure to remove all spray rods from the arms. Users shall be responsible for any damage caused by failure to remove the spray rods during RevoSling operations.

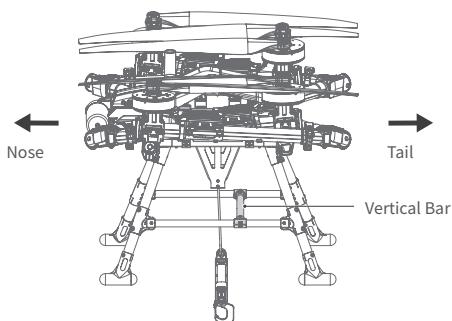
Install RevoSling

- ① Secure the airframe onto the RevoSling by aligning the holes of the airframe with the alignment bosses on the RevoSling.
- ② Open the airframe hasps (two on each side) and fasten the airframe to the RevoSling.
- ③ Affix the airframe payload system cable to the cable holder to complete the installation of the RevoSling.



Note

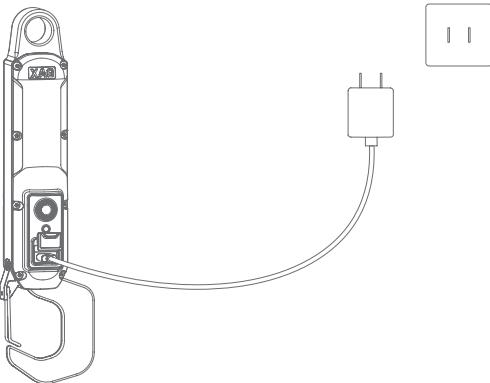
⚠ With the drone's nose facing forward, the vertical bar of the landing skid should be positioned on the side closer to the drone's tail.



Use of RevoSling

Charging

Insert the Type-C cable into the charging port of the Smart Hook (hereinafter referred to as "hook"), and connect the other end to the power adapter and plug it into a power source. When you hear a "beep" sound and the status indicator light stays solid blue, the hook is fully charged.



Power On/Off

When the device is off, press and hold the power button for 2 seconds. Release the button after hearing a "beep". The status indicator light will turn on, indicating successful startup.

When the device is on, press and hold the power button for 2 seconds. Release the button after hearing a "beep". The status indicator light will turn off, indicating successful shutdown.

Bind Device

Before using the RevoSling for the first time, you need to bind the Smart Hook to the drone in the "XAG One" app. Follow the steps below to bind:

1. Power on the SRC5 Smart Remote Controller (hereinafter referred to as "SRC5") and the drone.
2. In the "XAG One" app, go to the drone's Device Details – "General", tap "Bind Remote Controller", and select the SRC5 to bind.
3. Power on the Smart Hook by pressing and holding the button. Then, in the "XAG One" app, go to the drone's Device Details - "Payload System", tap "Switch to Transportation System" (please ensure the spraying/spreading system has been removed first), select "RevoSling", and enter the "Bind Hook" screen.
4. When the hook's indicator light flashes yellow slowly, it is in pairing mode. Wait for the drone and hook to automatically complete the binding. The indicator light will turn green once the hook is successfully bound.

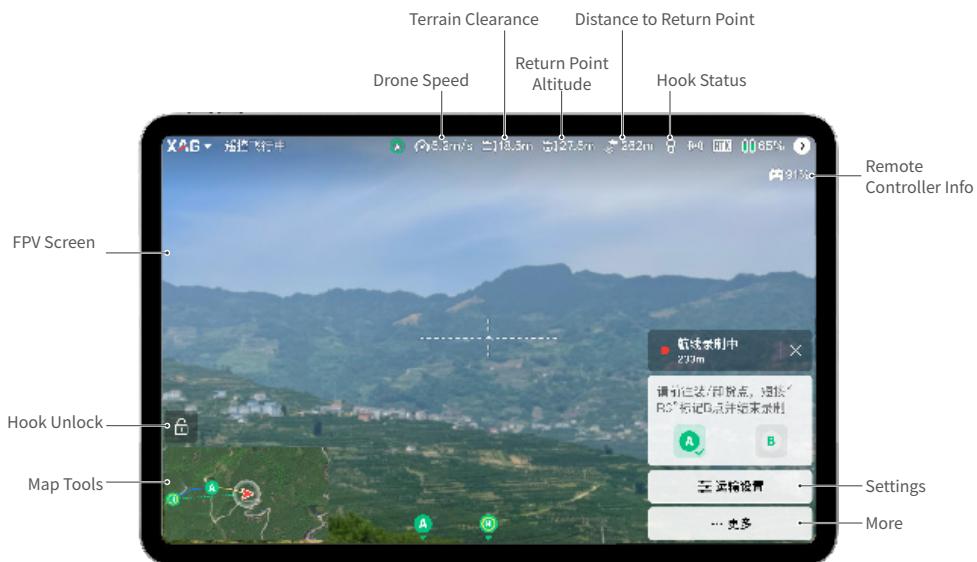
Firmware Update

Before using the device, you need to check whether the current firmware version is up to date. If the firmware is not the latest version, please make sure to update it.

1. Open the "XAG One" app, tap "Me" – "Device", select the drone related to the operation to enter the Device Details screen. Tap "88" to enter the "General" screen, then tap "Firmware Update" to check for firmware updates.
2. If an update is available, tap "Download and Update". Once the firmware update is complete, tap "Complete" to return to the Device List screen. Check whether all operation-related devices have been updated to the latest firmware version. If not, repeat the update process until all updates are complete.

App UI

Operation Screen



Map Tools: Tap to expand the map toolbar

Hook Unlock: Tap to unlock the Smart Hook

FPV Screen: "First-Person View"; displays the drone's current flight view

Drone Speed: Current flight speed

Terrain Clearance: Drone's current relative altitude above the ground

Return Point Altitude: Drone's current altitude relative to the return point

Distance to Return Point: Distance between the drone's current position and the return point

Hook Status: Current status of the Smart Hook

Remote Controller Info: Information about the remote controller bound to the drone

Settings: Tap to enter the Settings screen

More: Tap to perform more actions

Manual Test

Before performing RevoSling operations with the drone, a "manual test" of the RevoSling system must be performed to ensure the hook functions properly.

1. Press and hold the hook button to power it on. The status indicator light will turn on.
2. Press the hook button; the adjustable hook will automatically open (do not attach any load at this stage).
3. Manually close the adjustable hook; it will not automatically open.
4. Repeat the above steps three times to ensure the hook is functioning properly. Once confirmed, the manual test of the hook is complete.

RevoSling Operation

After installing the RevoSling system on the drone, users need to open the XAG One App, go to the drone's Device Details screen - Payload System, tap "Switch to Transportation System" and select RevoSling. Once the hook is bound and the manual test is complete, the drone is ready to start RevoSling operations.

1. Open the "XAG One" app and tap "Operation" on the home screen.
2. On the operation screen, tap "⊕", then tap on the satellite map to add target point (or connect a mapping device to add target point).
3. Tap "Transportation Settings" to set RevoSling operation as needed.
4. Move both joysticks of SRC5 diagonally downward to manually take off. After reaching a certain altitude, hover the drone, then fly it above the cargo and vertically lift the cargo to an appropriate height.
5. Tap "Auto Flight"; the drone will automatically fly to the target point.
6. Upon arrival, manually control the drone to descend. Tap "Unlock" to open the hook's safety latch. When the cargo touches the ground, the hook will automatically open to complete unloading.
7. Fly the drone to ascend to an appropriate altitude to proceed with the next transport operation or return home.

Note

- ⚠ When manually taking off with the remote controller, check the rope for any entanglement, knots, or other issues that could affect transport. If such issues are found, please land the drone and reorganize the rope before proceeding.
- ⚠ When loading or unloading cargo, you must monitor the FPV screen and manually control the drone to hover steadily above the takeoff or target point. Ensure the drone and hook are stable before performing any loading or unloading operations.
- ⚠ When loading or unloading cargo, ensure there are no people, animals, or other obstacles beneath the drone.

Settings

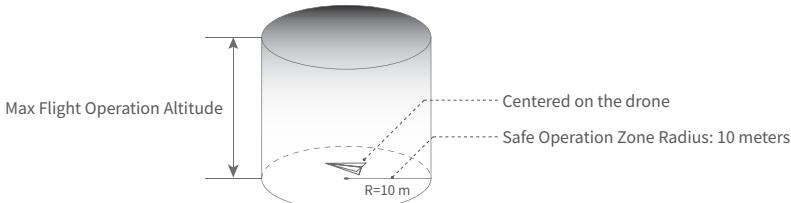
- "Auto Flight": Configure the drone's automatic flight altitude and speed, as well as enable or disable terrain following and obstacle avoidance.
- "One-tap Return": Configure the RTH altitude and speed, and enable or disable terrain following during return.
- "Rope Length": Be sure to set it to the actual rope length before starting operation.

More

- During operation, tap "More" on the operation screen to perform RTH, Landing, or Terminate Operation.

Operation Safety Requirements

To ensure operation safety, agricultural drones must operate within designated altitude and distance limits at takeoff, landing, hovering, and surrounding operation zones. Specifically, within a radius of 10 meters centered on the drone, extending vertically up and down as well as horizontally left and right to the maximum cylindrical operation space of the drone (as shown in the figure below), no personnel, animals, or any obstacles are allowed to be present.



Maintenance

- After operation, clean the RevoSling thoroughly to prevent damage caused by attached mud, liquid, and other foreign objects. Follow the steps below:
 - ① Visually inspect the hook latch. If there is any mud, grass residue, or other foreign objects, remove it with a clean tool.
 - ② Wipe the hook surface with a wrung-out damp cloth to remove stains and adhered dirt.
 - ③ Visually check the condition of the rope. If there are signs of damage such as wear or bulging on the surface, replace the rope promptly.
- It is advisable to apply lubricant to the safety latch and adjustable hook every 6 months of operation.
- It is advisable to replace the hook servo of the smart hook every 6 months of operation.

Transportation and Storage

Transportation

- The smart hook must be securely placed before transporting RevoSling. If necessary, wrap it with shock-absorbing materials to prevent tangling, collision, or accidents during transportation.
- Never place the smart hook near heat sources or inside closed high-temperature environments (above 45° C), such as in closed vehicles or compartments.
- The smart hook should be transported in a dry environment (ambient humidity below 75%). Do not store the hook in humid conditions.
- Do not store or transport the smart hook with flammable, explosive substances or metal objects.
- Never charge or discharge the smart hook during transportation.

Storage

- When not in use, the smart hook should be thoroughly cleaned and stored horizontally in a cool, secure location.
- If the smart hook is not used for a long period, it must be charged and discharged every 90 days to maintain battery activity. Otherwise, the hook may malfunction due to battery degradation.
- Do not store functional batteries together with defective ones.
- Batteries should be stored in an open area, free of flammable materials, debris, or equipment that could generate sparks (e.g., chargers, switches, power sources) within 10 meters.
- Batteries should be stored in a clearly defined or marked area and managed by designated personnel.

Battery Warnings

- Please use the battery at ambient temperatures from 0 ° C to 45 ° C. Using it in high temperatures (above 45° C) may lead to fire or explosion.
- Never connect the battery's positive and negative terminals with wires or metal objects, otherwise, it will short-circuit.
- If there is liquid or debris on the battery connector, wipe it clean and keep it dry. Otherwise, it may cause poor contact, power loss, or charging failure.
- Handle the battery with care. Do not disassemble, puncture, or apply external pressure to the battery.
- When charging, keep the battery and charger away from flammable or explosive materials. Never charge in closed or confined areas. Monitor the battery during charging to prevent accidents.
- Store the battery in a dry environment with appropriate temperature^[1]. Do not expose it to water, moisture, or direct sunlight.
- The liquid inside the battery is highly corrosive. If it contacts human skin or eyes, rinse it off immediately with clean water and seek medical attention.
- In case of a short circuit during charging, immediately disconnect the charger and place the battery on the ground or in a fireproof sand bucket. Cover the flames with an asbestos blanket (or similar) and extinguish them with fireproof sand on the blanket.
- Please dispose of batteries in accordance with local laws and regulations. Do not discard batteries improperly and help protect the environment.

[1]: Battery Storage Temperature: -20° C to 23° C (over 3 months but less than 1 year); -20° C to 45° C (over 1 month but less than 3 months); -20° C to 60° C (less than 1 month)

Specifications

Model	M4XRSP80A
Dimensions	859×595×532 mm (landing gear only) 283×71×59 mm (hook only)
Weight	5.6 kg
Max. Payload	80 kg
Required Rope Length	5 ~ 15 m
Charging Voltage/Current	5V / 2A
Operating Temperature	10 ~ 45 °C
Storage Temperature	-20 ~ 60 °C
Compatible Remote Controller	XAG SRC5 Smart Remote Controller
Compatible Drone	XAG P150 Max Agricultural Drone

Compliance Information

FCC Compliance Notice

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense .

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

FCC Supplier's Declaration of Conformity

Brand name / model number: M4XRSP80A

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Suppliers Name(FCC): Pegasus Spray Inc

Suppliers Address (FCC): 18571 State Hwy 6 Lewistown, MO 63452, United State

Suppliers Email Address: arthur@pegasusrobotic.com

EU Compliance Statement

“Hereby, [Guangzhou Xaircraft Technology CO.,LTD.], declares that this [XAG RevoSling] is in compliance with the essential requirements and other relevant provisions of 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
www.xa.com/en/service/downloads”

Brand name / model number: M4XRSP80A

Suppliers Name(EU): NIK ELECTRONICS LTD

Suppliers Address (EU) : Sofia, 11B Brussels Blvd., fl.13

Suppliers phone number and / or internet contact information: 00359899952228



KCC Warning Message

이기기는 업무용 환경에서 사용할 목적으로 적합성 평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파 간섭의 우려가 있습니다.

Disclaimer

1. Please read this Disclaimer carefully before using this product, as it has much to do with both operational safety and your legitimate rights and interests. You shall be deemed to have read, known, understood, agreed to, and accepted all the terms and conditions as well as information stated herein upon the use of this product.
2. Not being a toy and with certain safety risks, this product is not suitable for those who are under 18 years old, those who have limited or no capacity for civil conduct, or those with mobility impairments as stipulated by law.
3. This product is a payload system designed specifically for the XAG P150 Max Agricultural Drone and is intended solely to be mounted on XAG agricultural drones for the carriage of farming-related materials for agricultural applications - such as farming, forestry, animal husbandry, and fisheries. Before using this product, please carefully read the User Manual to understand your legal interests, rights, responsibilities, and relevant safety instructions. Failure to do so may result in property loss, accidents, or personal injury.
4. This product is intended for use with XAG agricultural drones. You must obtain the appropriate operator certification required by law for operating conventional agricultural unmanned aerial vehicles. Extra caution must be taken when operating this product in areas where children, crowds, or animals are present.
5. You undertake to use the product within the bounds of the law for legitimate purposes only and agree to the terms and conditions stated herein as well as potential related policies and norms formulated by XAG. You understand and accept that flight records and data created during use will be uploaded and saved to XAG's server. XAG shall resume no responsibility for the failure to analyze such flight records and data caused by the unsuccessful saving for any reason attributable to the user.
6. To the maximum extent permitted by law, under no circumstances shall XAG offer an implicit or explicit guarantee for this product, including but not limited to implicit guarantees pertaining to vendibility, fitness for a particular use, or non-infringement.
7. Please install, use, transport, and maintain the product under the instructions in this User Manual. Do NOT modify, convert, or disassemble this product on your own as any malfunction or damage arising therefrom or resulting from your improper use will not be covered by the warranty, and you shall solely assume the liability arising therefrom, both financially and legally.
8. To the maximum extent permitted by law, XAG shall not be liable for any loss caused by your use of this product outside the instructions in this User Manual. Furthermore, XAG shall not be liable for any indirect, consequential, punitive, accidental, special or exemplary damage, including any loss incurred as a result of your purchase, use, or inability to use the product, even if you have been advised of the possibility of such loss.
9. You understand that in the use of any products, accidents may occur as a result of a single or combined factors, including but not limited to improper operation, surroundings and communication networks. You understand that the aforesaid accidents are reasonable and acceptable in the use of the product, and that XAG shall not be held accountable for such accidents.
10. On any account, purchasers or users shall comply with the laws and regulations of the country and region where the product is used. XAG shall assume no liability arising from the violation of the aforementioned laws and regulations by the purchaser or user.
11. Please note that the use of this product on agricultural drones might involve the laws and regulations in connection with the collection, storage as well as processing of the geographic information and data of farmland. Before using this product, be sure to comply with local laws and regulations related to the collection, storage, or processing of such geographic information and data. Make sure that you use this product in accordance with the law. Any financial and legal liability arising from user's violations of the laws and regulations shall be borne solely by the user.
12. As exclusion clauses may be prohibited by certain laws and regulations, your rights may vary. However, this does not imply that certain or all terms contained in this Disclaimer are necessarily invalid. For any reason that partial terms stated herein are deemed void, other terms shall remain in effect.
13. To the extent permitted by law, XAG reserves the right for final explanation and revision of the terms and conditions stated hereinabove. XAG also has the right to update, modify or terminate these terms and conditions via its official website, User Manual, online apps, etc., without prior notice.

Warning

Before using this product, user is required to read through the User Manual and hold the appropriate operator certification required for operating conventional agricultural unmanned aerial vehicles. Operating the agricultural drone or its peripherals without the required certification, or improper operation, may cause injury to the user or others, or cause damage to the product and property loss. Any financial or legal liability arising from such actions shall be borne by the user. Safety awareness is of great importance during operation. Please install, maintain, and use the product in strict accordance with the User Manual and applicable laws.



overseas@xa.com



@XAGofficial



@xag_official



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