

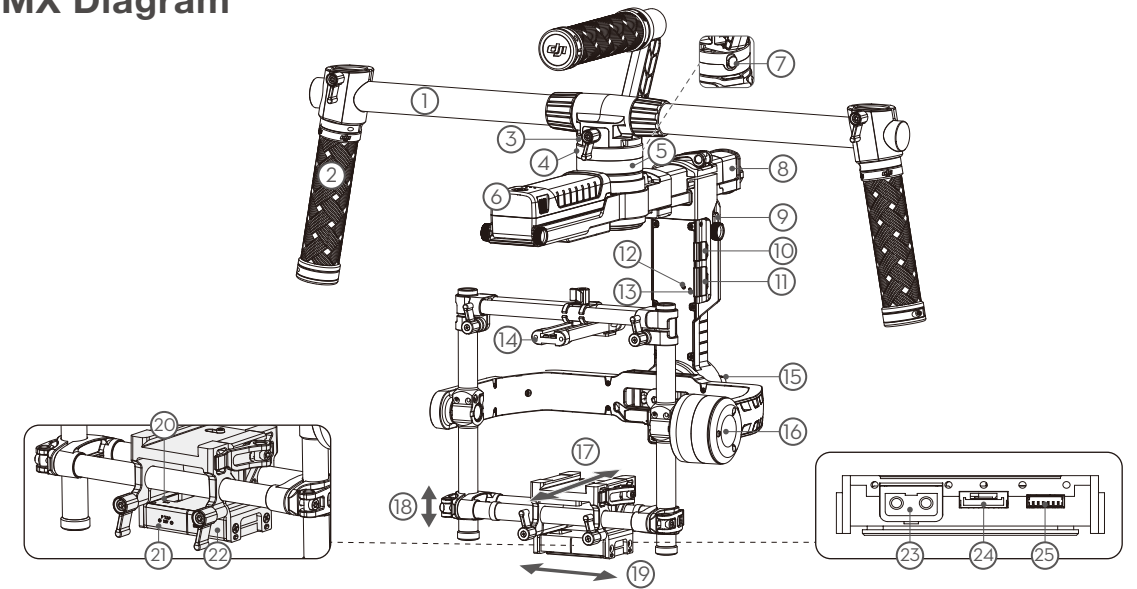
RONIN-MX

Quick Start Guide

V1.0

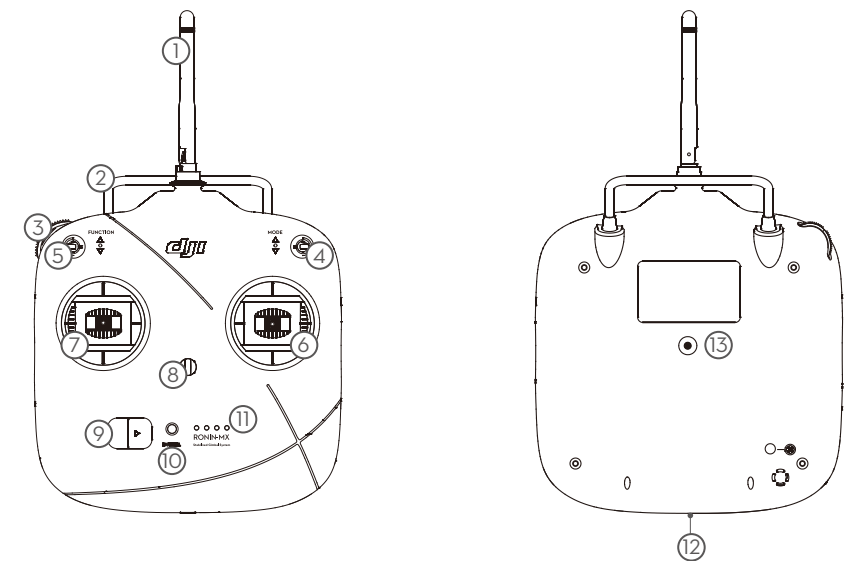


Ronin-MX Diagram



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|--|--|--|
| <ul style="list-style-type: none"> 1. Top Handle Bar 2. Side Handle 3. Gimbal Connector 4. CAN2 Bus Port 5. Pan Motor 6. DJI Intelligent Battery 7. Safety Lock 8. Pan Adjustment Slider 9. Intelligent Battery Power Distributor Mounting Plate 10. D-BUS Receiver Port | <ul style="list-style-type: none"> 11. USB Port & CAN1 Bus Port 12. Bind Button 13. Gimbal LED Indicator 14. Camera Upper Mounting Plate 15. Roll Motor 16. Tilt Motor 17. Fore and Aft Adjustment 18. Tilt Vertical Adjustment 19. Roll Adjustment 20. IMU Port | <ul style="list-style-type: none"> 21. P-TAP Accessory Power Port 22. USB Accessory Power Port 23. P-TAP Port (rear side) 24. DJI Lightbridge Port (rear side) 25. GCU Port (rear side) |
|--|--|--|

Remote Controller



- | | | |
|---|---|--|
| <ul style="list-style-type: none"> 1. Antenna 2. Carrying Handle 3. Left Dial (reserved) 4. 3-Position Switch (MODE) 5. 3-Position Switch (FUNCTION) | <ul style="list-style-type: none"> 6. Right Stick 7. Left Stick 8. Neck Strap Attachment 9. Power Switch 10. Power Indicator | <ul style="list-style-type: none"> 11. Battery Level Indicators 12. Battery Charging & RC Assistant Port (Micro USB port) 13. Reserved Port |
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RONIN-MX

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Quick Start Guide

1 Start

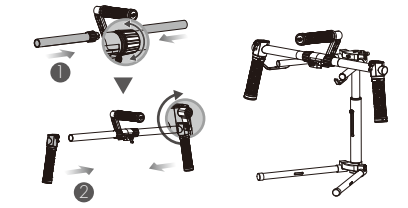
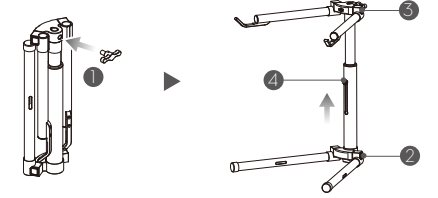
- A. Download and install the DJI™ Assistant app. Search “DJI Assistant” on the App Store and then follow the instructions for iOS installation. Search “DJI Ronin™” on the Google Play and then follow the instructions for Android installation.
- B. Before you start using your Ronin-MX, be sure to charge the DJI Intelligent Battery first. Pressing the Intelligent Battery power button once will display the current battery level. Press and hold for 1 second to turn on/off.
- C. On the Remote Controller, slide the power switch to the right to power on. The battery level indicators display the current battery status. If the low voltage alert sounds, recharge the battery via the micro USB port.



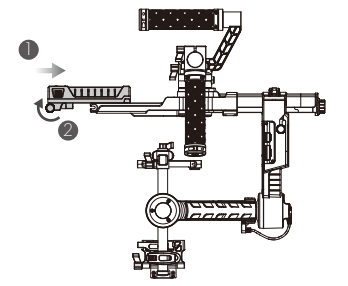
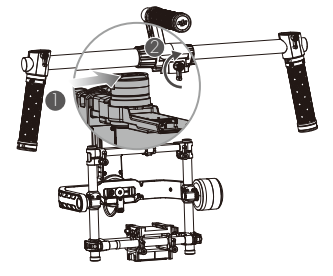
! Use a mobile device that runs iOS 7.1 or above or Android 4.3 or above.

2 Assembling the Ronin-MX

- A. Deploy the tuning stand as shown. Tighten the knob. Press the buttons on the outside of the lower legs and rotate the legs downward, away from the stand. Then press the buttons on the outside of the upper support arms and pull them upward, away from the stand. Press the button on the vertical support and slide it up to extend the stand.
- B. Assembling the handle bar. Attach the bars to both sides of the top handle and tighten the grip screws. Attach the grips to the bar and lock them in the preferred position. Place the handle assembly on the tuning stand.

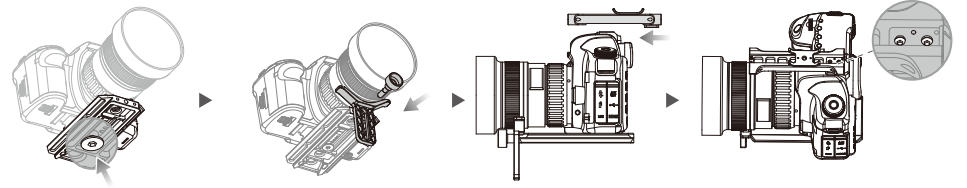


- C. Attach the Ronin-MX to the handle. Slide the gimbal horizontally into the handle bar. Tighten the knob when you hear a “click”, which indicates that the safety lock has engaged.
- D. To mount the DJI Intelligent Battery on the Ronin-MX, loosen the thumb screws on either side of the battery and slide it directly into the gimbal. Tighten the thumb screws.



3 Mounting the Camera on the Mounting Plate

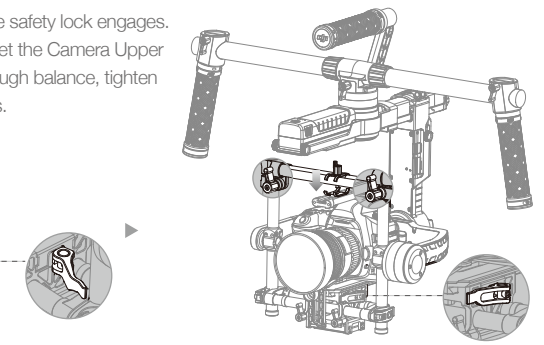
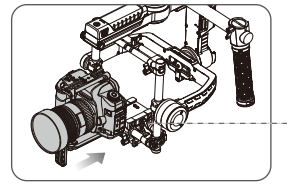
- A. Attach the camera to the mounting plate and tighten the screws.
- B. Attach the lens support to the mounting plate. Apply upward pressure to the lens support and tighten the screw.
- C. Mount the Camera Upper Mounting Plate to the top of the camera through the hot shoe and then tighten the screws.



! The steps above are suitable for most cameras. When mounting a RED or ARRI camera, the proper camera accessories must be used.

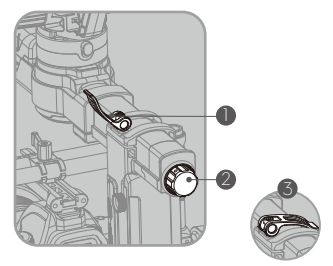
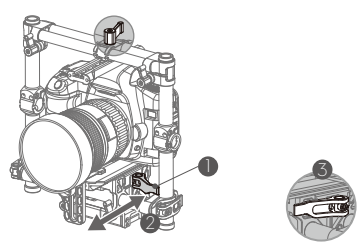
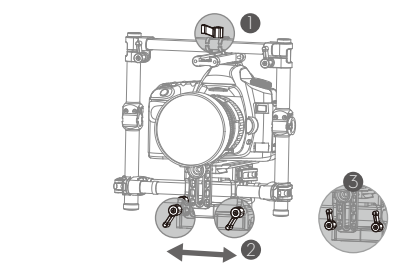
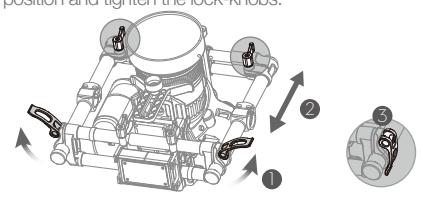
4 Mounting the Camera on the Ronin-MX

- A. Slide the mounting plate into the receiver until the safety lock engages.
- B. Adjust the vertical position of the crossbar to meet the Camera Upper Mounting Plate. When the camera achieves a rough balance, tighten the camera base side clamp and the lock-knobs.



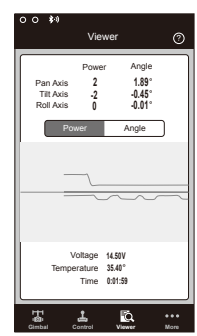
5 Balancing

- A. Balancing the Vertical Tilt. Rotate the Tilt Axis so that the camera lens is pointing upward and loosen the two vertical adjustment tabs and the lock-knobs on the top crossbar. Gently slide the camera mount crossbar forwards or backwards until the camera points upwards when released. Latch the tabs back into their closed position and tighten the lock-knobs.
- B. Balancing the Roll Axis. Loosen the three lock-knobs to slide the camera left or right until the Roll Axis remains level, and then tighten the three lock-knobs.
- C. Balancing Depth for the Tilt Axis. Open the side clamp and loosen the lock-knob on the crossbar to slide the camera forwards or backwards until the Tilt Axis remains level and then tighten the side clamp and lock-knob.
- D. Balancing the Pan Axis. Open the clamp on the Pan Axis and turn the knob to slide the assembly. Tighten the clamp after balancing is completed.



6 Pairing with the DJI Assistant App

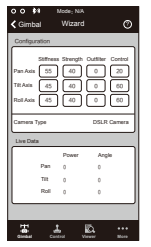
- A. Power on the Ronin-MX. Switch on your mobile device's Bluetooth and launch the DJI Assistant app.
- B. Connect your mobile device to the Ronin-MX within the DJI Assistant app.
- C. Check balance on the Viewer page. If a particular motor axis indicates a power greater than 10, rebalance the camera.



! Activation is required when using the Ronin-MX for the first time, otherwise the gimbal will not work. To activate your Ronin-MX, connect your mobile device to the Internet, then enter the “More” page in the DJI Assistant app and tap the “Activate” button.

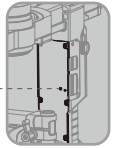
7 Using the Ronin-MX on the Ground

- A. DJI Assistant App Tuning
 - ① With the Ronin-MX on the tuning stand and a properly balanced camera, tap Camera Type and select DSLR Camera or RED Camera.
 - ② Switch on/off Briefcase Mode and SmoothTrack, and adjust the control speed as needed.



! You can also use the DJI Assistant software for PC/MAC to activate and configure the Ronin-MX. For more information, refer to the User Manual.

- B. Connecting the Remote Controller to the Ronin-MX
 - ① Turn on the Ronin-MX. Press the recessed Bind Button of the Ronin-MX once with a pointed object.
 - ② Turn on the Remote Controller. If the LED on the gimbal turns solid green, the Remote Controller and the Ronin-MX have been successfully bound.



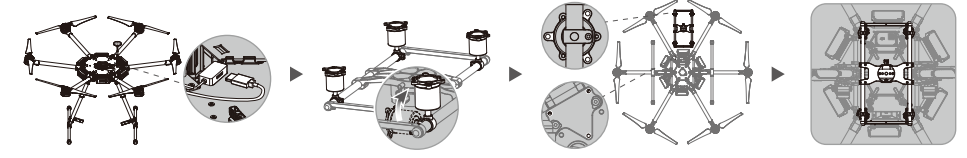
- C. Remote Controller Operation
 - ① FUNCTION Switch:
 - i. Select the SmoothTrack speed according to the following positions:
 - Position 1: -Fast
 - Position 2: -Normal
 - Position 3: -Slow
 - ii. Quickly flipping the FUNCTION switch up and down 3 times will enable/disable Motor Kill.
 - ② MODE Switch: For toggling SmoothTrack.
 - Position 1: -Free, SmoothTrack Off
 - Position 2: -Free, SmoothTrack On
 - Position 3: -Reset to Center, SmoothTrack On



8 Using with the Matrice 600

Ensure the Ronin-MX has been activated, the camera is mounted securely and the balance is adjusted properly. Ensure the upper cover and lower cover of the Matrice 600's center frame and the expansion mounting kit have been removed.

- A. Mounting the Ronin-MX onto the Matrice 600
 - ① Connect one end of the provided CAN cable to the CAN1 port on the Matrice 600's main controller, and pull the other end through the outlet of the center frame. Then re-mount the Matrice 600's upper and lower covers.
 - ② Adjust the Ronin-MX vibration absorption mounting plate, then tighten the screws on the connector.
 - ③ Mount the vibration absorber onto the bottom of the Matrice 600 with the lock-knob facing forward, then tighten the 12 vibration absorber mounting screws provided.



- ④ Slide the gimbal into the gimbal connector of the vibration absorber, then tighten the lock-knob when you hear a “click”.
- ⑤ Connect the CAN cable to the CAN2 port on the Ronin-MX.



! Be sure the Ronin-MX is mounted properly and firmly, and all the connections are correct and will not obstruct the Ronin-MX's movements.

- B. DJI GO App Tuning
 - ① Set the App Output Mode in the DJI GO app: Tap HD, disable the EXT Port, and then adjust the Bandwidth Allocation to ensure that the “HDMI” percentage is more than 0%. Set the App Out Mode to HDMI.
 - ② Tap > Camera Type to configure the gimbal.
- C. Use the Matrice 600's Remote Controller to control the Ronin-MX.