TEAL™

Golden Eagle / Teal Air Control
QUICK START GUIDE

Step 1 – Check & Charge the Batteries

1 – Verify the state of charge for each battery by tapping its power button and viewing the charge level briefly indicated by the LEDs.

Battery pack is at 100% charge when all 5 LEDs are lit.

NOTE: Batteries are shipped from the factory in "**Shipping Mode**" and will not function normally in this state. A pack is in Shipping Mode if the **2nd and 4th LEDs** quickly flash 3 times after a push-and-release of the power button.

Exit Shipping Mode by charging the battery pack.

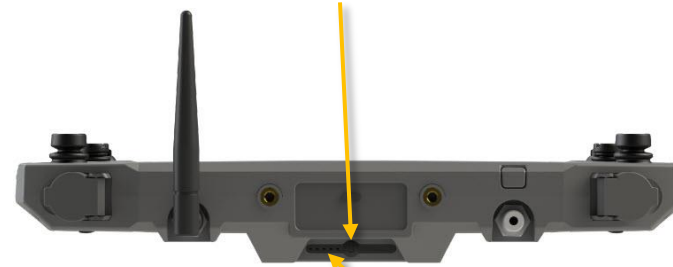2 – Insert the charger power supply output plug into the socket on the charge adapter.

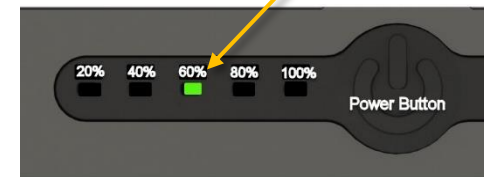3 – Insert the battery onto the charge adapter, fully engaging side latches with the adapter.

4 – Plug the charger power supply AC cord into an AC outlet.

User Action	LED Action	Mode
Tap Power Button	1 - 5 LEDs turn on, then off	Charge Level indication for 2 seconds
Tap Power Button	2nd & 4th LEDs flash 3 times	In low-power Shipping Mode! Charge to exit!
Press & Hold for 4 seconds	Sequential turn-on	Toggles battery Power to ON
Release after 4-sec hold	Middle LED stays on	Battery Power is ON
Press & Hold for 4 seconds	Sequential turn-off	Toggles battery Power to OFF
Release after 4-sec hold	All LEDs off	Battery Power is OFF

Step 2 – Prepare the Teal Air Control (TAC)

1 – Attach the antenna(s) by securely screwing them clockwise onto the TNC connectors on the TAC.

TNC female
TNC male
TNC reverse-polarity female
TNC reverse-polarity male

1800 MHz antenna or 2.4 GHz antenna for MIMO

2.4 GHz antenna for MIMO

2 – Insert and securely latch a fully-charged battery into the TAC battery compartment.

3 – Verify that both battery side latches are fully engaged with the TAC housing to securely capture the battery!
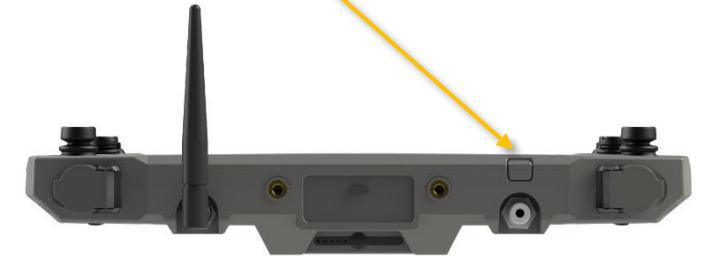
Step 3 – Power UP the TAC

1 – Press and hold the TAC battery pack power button for 4 seconds, (during which the 5 LEDs sequentially turn on), then release.

2 – Verify that the center LED stays lit, indicating battery power is on.

3 – Press and hold the TAC tablet power button for 2 seconds, then release.
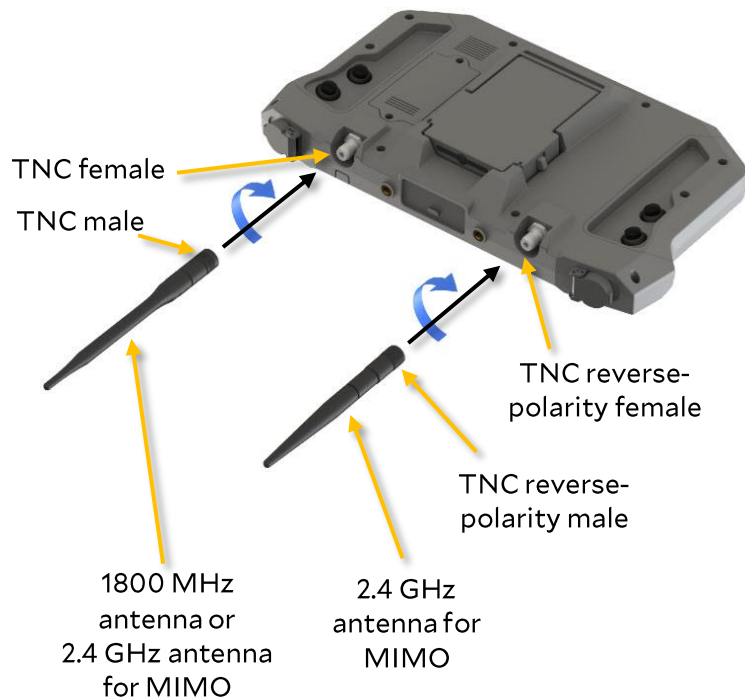
4 – Tablet displays an animated Teal splash screen, indicating successful system start-up. When prompted, swipe up to start the Teal QGC app.
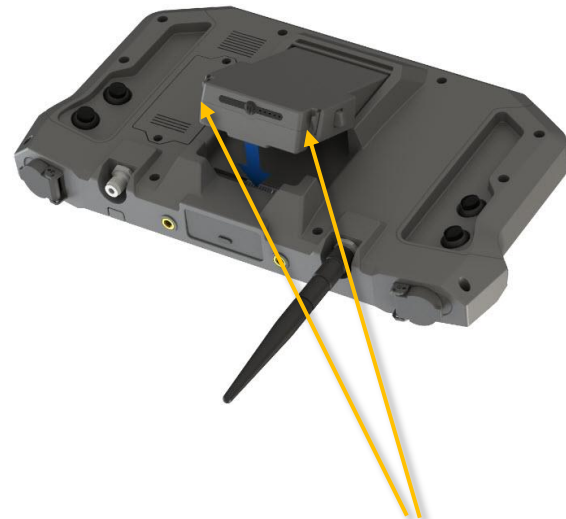
Step 4 – Prepare the Golden Eagle

1 – Unfold arms and securely lock into their fully-extended position.

⚠️ If the arm lock mechanism is worn and does not securely lock, replace the arm.

⚠️ Check that props are not damaged. Replace if nicked, warped, or cracked!

2 – Remove the gimbal protective cover by pulling it straight forward away from the drone.

CW – black rivets
CCW – silver rivets
CCW – silver rivets
CW – black rivets

⚠️ Check that all props are securely locked onto their motor shafts!

3 – Insert and securely latch a fully-charged battery into the drone battery compartment.
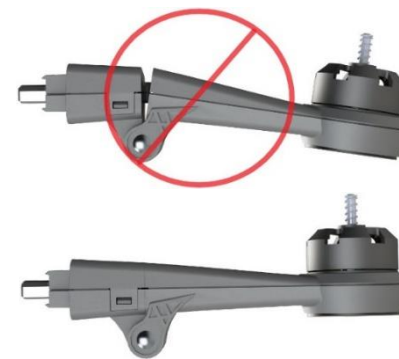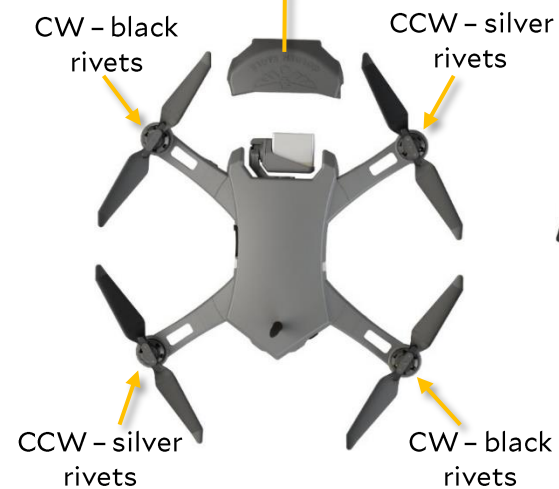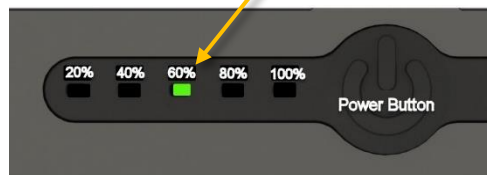
⚠️ Verify that both battery side latches are fully engaged with the drone airframe to securely capture the battery!
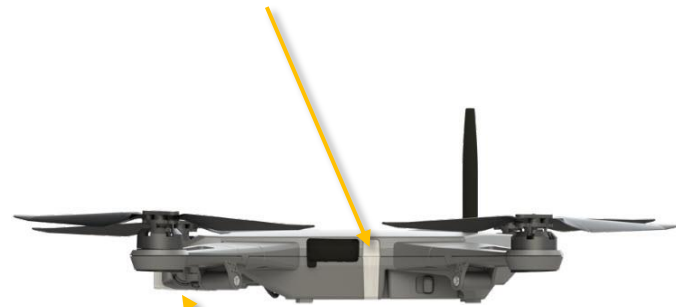
Step 5 – Power Up the Golden Eagle

1 – Press and hold the drone battery power button for 4 seconds (during which the 5 LEDs sequentially turn on), then release.

3 – Listen for exhaust fan start-up. Verify illuminating side panel lights turn on, indicating successful system start-up. Full start-up takes approximately 15 seconds.

2 – Verify that the center LED is lit, indicating battery power is on.

4 – Verify gimbal start-up, indicated by its movement to a properly-centered, level, and forward-facing position.

| 20% | 40% | 60% | 80% | 100% | Power Button |

Step 7 - Connect the TAC with the Golden Eagle

NOTE: Most GE/TAC kits come already paired and only need to be reconnected. The system remembers the relationship and re-establishes link upon Teal QGC launch.

1 - Stand at least 25 feet away from the drone. Transmission power can saturate the radio receivers at close range, causing temporary loss of link.

4 - When the pairing is complete, a "Connection Successful" status will appear.

2 - From Teal QGC, touch the shield icon in the top-right corner of the Fly Screen.

Vehicle Pairing
mk1-00-10-50
Connection Successful
Channel: 20 - 2419 MHz
Done

5 - Select "Done" to exit and return to the Fly Screen. The vehicle ID should now be visible at the top of the Fly Screen.

3 - Select "Connect".

Vehicle Pairing
Available Vehicles
mk1-00-10-50
Channel: 20   Connect
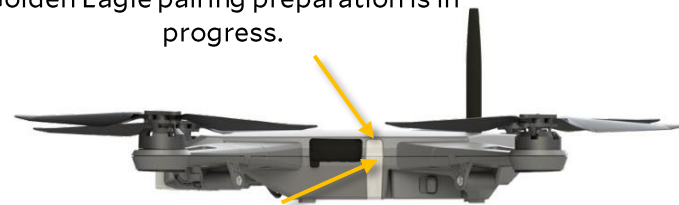Pair another Vehicle

Step 6 - Golden Eagle Pairing

This step is only necessary if the drone did not come already paired with its TAC, such as a replacement or additional drone purchase. Complete this step only if needed and select "Pair" instead of "Connect" in Step 7.

1 – Press and hold the black Multi-Function Button for 5 seconds, then release.

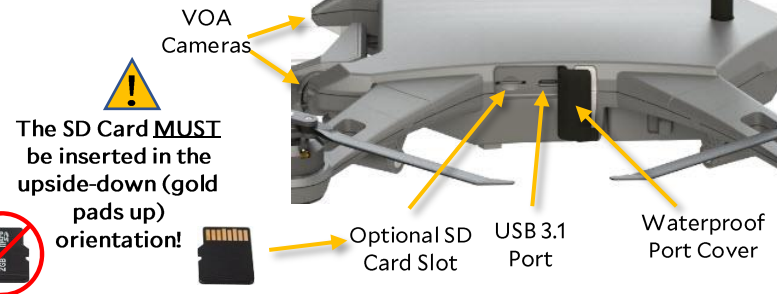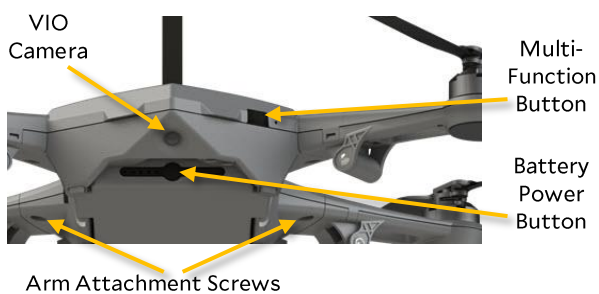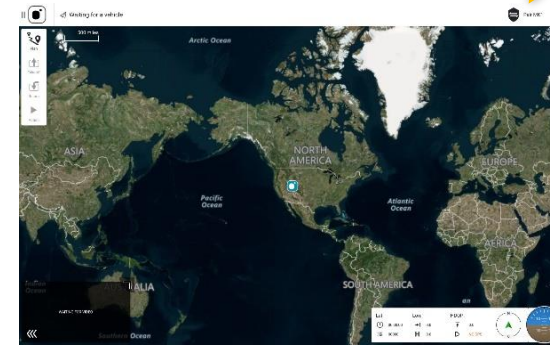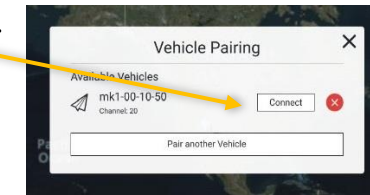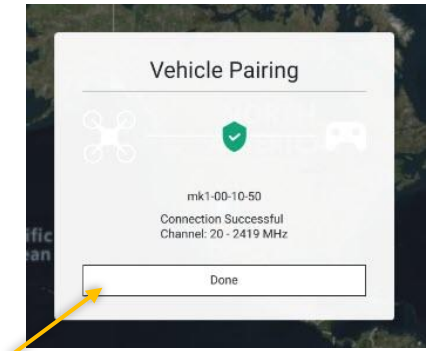⚠️ Pressing this button will remove any previous connection/pairing to a TAC.

2 – Verify that the illuminating side panel lights begin flashing, indicating that Golden Eagle pairing preparation is in progress.

3 – Wait for the illuminating side panel lights to stop flashing, indicating "ready to pair".

Golden Eagle Controls & Ports

VIO Camera

Multi-Function Button

Battery Power Button

Arm Attachment Screws

VOA Cameras

⚠️ The SD Card **MUST** be inserted in the upside-down (gold pads up) orientation!

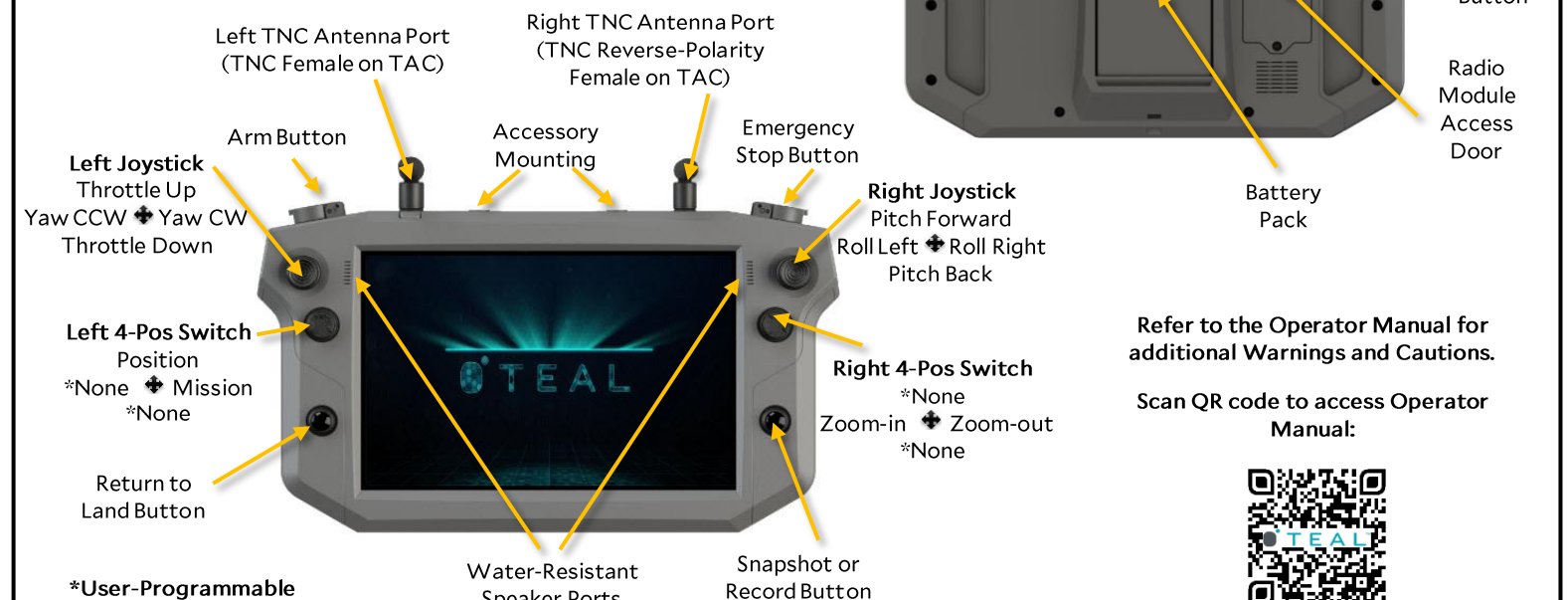Optional SD Card Slot

USB 3.1 Port

Waterproof Port Cover

Default TAC Flight Controls & Ports

⚠️ This Guide is intended for experienced pilots. Until you are more experienced, always fly in Position Mode!

⚠️ Familiarize yourself with the button and joystick assignments below before attempting flight!

⚠️ The protected Emergency Stop Button will immediately disable the motors in flight, causing the vehicle to fall!

Gimbal Up Button

Gimbal Down Button

Toggle EO/IR Camera Button

Toggle Video/Still Button

Radio Module Access Door

Left TNC Antenna Port (TNC Female on TAC)

Right TNC Antenna Port (TNC Reverse-Polarity Female on TAC)

Arm Button

Accessory Mounting

Emergency Stop Button

Battery Pack

Left Joystick
Throttle Up
Yaw CCW ✚ Yaw CW
Throttle Down

Right Joystick
Pitch Forward
Roll Left ✚ Roll Right
Pitch Back

Left 4-Pos Switch
Position
*None ✚ Mission
*None

Right 4-Pos Switch
*None
Zoom-in ✚ Zoom-out
*None

Return to Land Button

Water-Resistant Speaker Ports

Snapshot or Record Button

*User-Programmable

Refer to the Operator Manual for additional Warnings and Cautions.

Scan QR code to access Operator Manual: