



DJI AVATA

STREAMING SETUP GUIDE



This guide walks you through the steps required to stream the DJI Avata through the DroneSense platform.

The setup described below is meant to be a stopgap until DJI either provides an SDK that supports the Avata. As such, this configuration does *not* provide the drone's location or telemetry – only the video livestream.

OPTION 1: HDMI-BASED SETUP

REQUIRED HARDWARE

This workflow will only work with the specific hardware listed below:

- DJI Avata
- DJI Smart Controller or RC Pro (non-Enterprise)
- DJI FPV Goggles V2 (*not* the DJI Goggles v2)
- USB-C to USB-A cable
- HDMI cable
- **MSAT-only:** Android HDMI Capture Card ([link](#)) and an Android phone or tablet (Samsung preferred)

BASIC SETUP

1. Connect DJI FPV goggles V2 to DJI Smart Controller or RC Pro using the USB-C to USB-A cable.
2. Using DJI Fly or FPV Live, pull up the camera feed from the DJI Avata.
3. Connect the HDMI cable to the controller.
4. If you are using Mobile Streaming and Tracking (MSAT), go to the next section. If you are using Media Sharing, skip to that section.

SETUP STEPS FOR MSAT

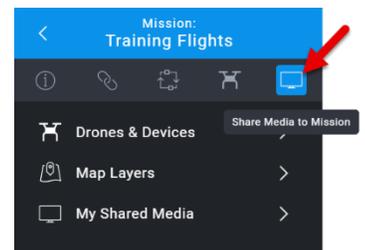
1. Connect the HDMI cable to the HDMI Capture Card and the Capture Card to the Android phone/tablet.
2. Launch the DroneSense Mobile app and select Streaming & Tracking.
3. Select the mission and the DJI Avata and join the mission.
4. From the HUD, use the dropdown to change from Rear Camera to **EXT Cam**.

You are now streaming the DJI Avata through MSAT!

SETUP STEPS FOR MEDIA SHARING

1. Connect the HDMI cable to your computer.
2. Using QuickTime, Media Player, or similar video app, pull up the DJI Avata feed.
3. Open Chrome and login to DroneSense/AXDS and open the Ops Hub tab.
4. In Ops Hub, select the mission you want to stream to and click on it.
5. In the mission window, click the **Share Media to Mission** icon (monitor icon).
6. In this dialog box, give the feed a callsign and a name.
7. For Video Source choose **Desktop Window**, select the program window with the DJI Avata stream, click **Share**, and click **Share** again.

You are now streaming the DJI Avata through Media Sharing!



OPTION 2: SCREEN MIRRORING SETUP

REQUIRED HARDWARE

This workflow will work with the specific hardware listed below:

- DJI Avata
- DJI Smart Controller or RC Pro (*non-Enterprise*)
- DJI FPV Goggles V2 OR the DJI Goggles v2
- USB-C to USB-A adapter
- A computer on the same wifi network

REQUIRED SOFTWARE

This workflow is dependent on an additional mobile app.

On iOS the app is called
Screen Mirroring to Mac or PC:



For Android the app is called
APowerMirror:



SETUP STEPS FOR SCREEN MIRRORING

Complete the following steps to use this screen mirroring option.

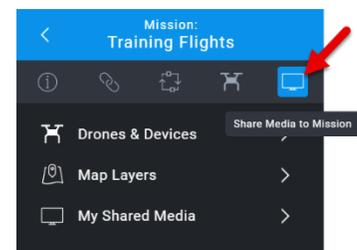
1. Download the mirroring app for your device type (iOS or Android).
2. Set up your Avata for normal operations.
3. Using the USB-C to USB-A adapter, connect your mobile device to the goggles.
4. Launch Mirror Mac PC on your mobile device.

Follow the steps in the app to connect to your computer's web browser.

IMPORTANT: The computer must be on the same wifi network as your controller device.

1. Once you've set up the mirroring app, open DJI Fly to display the Avata feed.
2. On the computer, log in to DroneSense (web.dronesense.com) and open Ops Hub.
3. In Ops Hub, open the mission you want to stream the Avata feed to.
4. Select Media Sharing within the mission and select the mirroring app desktop window.
5. You are now streaming your Avata through Axon Air!

NOTE: Because of the limitations of the mirroring app setup, you will notice some latency on the live feed and at times less than HD resolution.



SCREEN MIRRORING SUPPORT

If you have any questions specific to this screen mirroring solution, please reach out to Joshua Pruitt at joshua@dronesense.com.