



Skydio X2D Return Behaviors

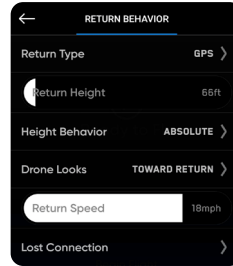
For best results set return behaviors pre-flight. Identify a clear, level surface where you want your X2D to land. Skydio X2D will retain its current obstacle avoidance setting while returning.

Set the Return Behaviors:

Step 1 - Select  settings

Step 2 - Select the Drone tab

Step 3 - Select **Return Behavior**



Step 4 - Select **Return Type** to set navigation:

- Set to **VISION** for GPS degraded/jammed environments for flights during daylight

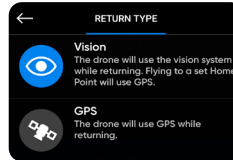
Step 5 - Select **Return Height**

- Set to at least 30 meters to avoid detection
- X2D needs to be close enough to the ground for good visual navigation

Step 6 - Select **Return Behavior**

- Set to **RELATIVE** for alternating terrain

Step 7 - Select **Drone Looks** while flying to the



return destination

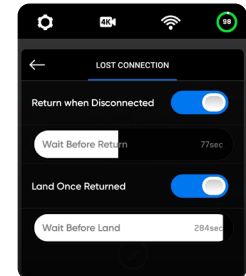
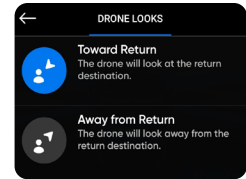
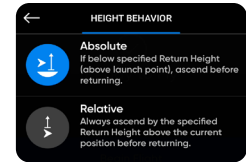
- Set to **AWAY** from Return to track enemy behavior on the return trip

Step 8 - set the return speed

- Set return speed to 10 m/s

Step 9 - Select Lost Connection to choose how your want X2D to behave if the signal to your controlling device is lost:

- Toggle ON Return when Disconnected
- Set Wait Before Return to 5 seconds - a low loiter time means X2D is moving so that it is not an easy target
- Toggle ON Land Once Returned
- Set Wait Before Land to 135 seconds



WARNING: It is important that you set the return behaviors and lost connection behavior before launch, in the event that you encounter any RF interference.