

MINIMUM REQUIREMENTS

- Windows 7 Professional (64-bit), Service Pack 1; Windows 10 Pro (64-bit)
- Processor: Quad Core, 2.2 GHz, 6MB Cache
- Memory: 4GB DDR3 1600 MHz
- Graphics Card: 1GB GDDR5 Dedicated Memory
- DirectX 11.0
- Storage: 64 GB

REQUIRED RESOURCES

- INEXA™Control Software Installed and licensed
- Unmanned Vehicle Plugin for ArduCopter
- ArduCopter Simulation Plugin
- Quadcopter with ArduCopter / APM:Copter firmware
- Telemetry radio with USB connection
- Online Map Service: Broadband Internet Connection separate from vehicle specific communication hardware requirements
- Offline Map Service: ESRI ArcMap 10.1; Broadband Internet Connection for creation of offline maps from online sources within INEXA Control

1. Ensure your quadcopter is running ArduCopter/APM:Copter firmware version 3.3 or higher.

APMVERSION: APM:Copter U3.3.3

If you need a tool to display the firmware version, Mission Planner can be used for this purpose and can be downloaded here:
<http://firmware.ardupilot.org/Tools/MissionPlanner/>

2. Follow manufacturer's guide to power up the controller.



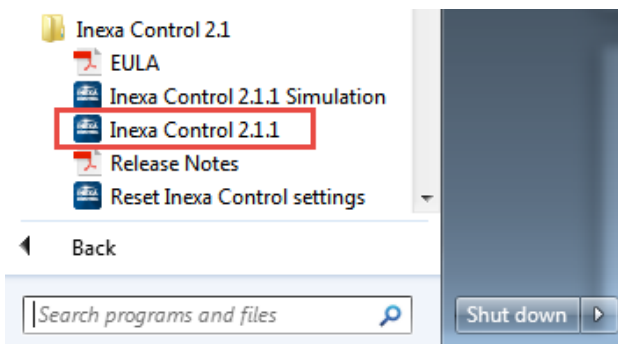
3. Plug the telemetry radio into a USB port on your INEXA Control machine. Windows should automatically install the USB drivers.



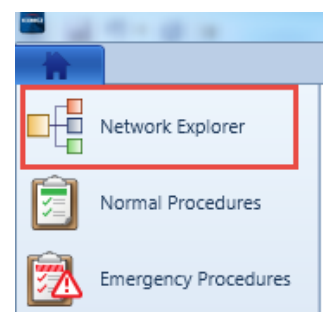
4. Power on the quadcopter.



5. Launch INEXA Control 2.1.1 program



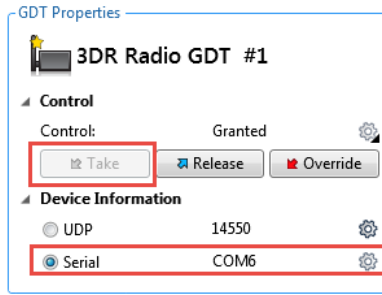
6. From INEXA Control, click on the home icon and then click Network Explorer.



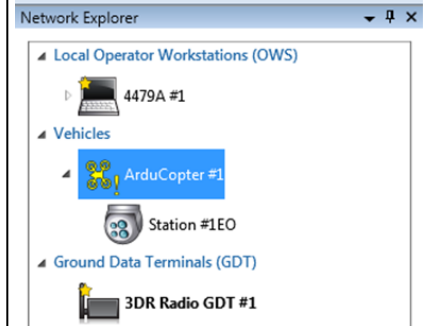
7. From the Network Explorer, select **3DR® Radio GDT** under **Ground Data Terminals (GDT)**



8. Under GDT Properties area **click the cog** to expand the options then **click "Take"** to take control of the GDT. Click to expand Device Information, **select Serial**, and click cog to select **COM port associated with the Ground Radio**.



9. From the Network Explorer, click the ArduCopter icon.

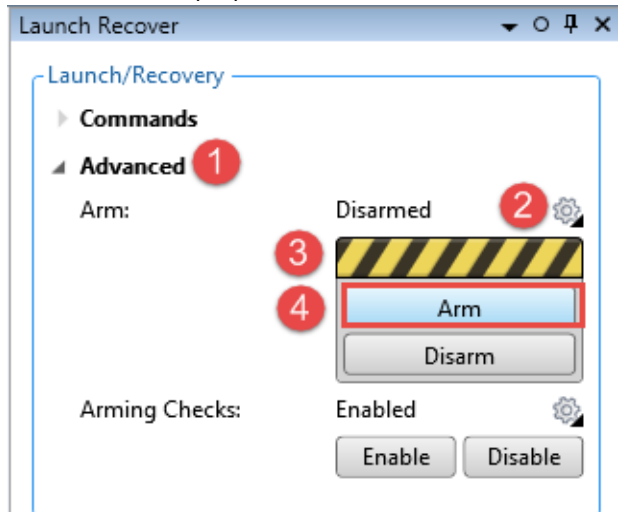


10. Under Vehicle Properties, **click the cog** to expand the options and then **click "Take"** to take control of the ArduCopter.



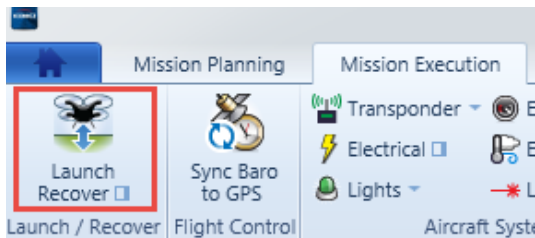
12. Test communication by starting the ArduCopter's propellers. Perform the steps below from the **Launch Recover** pane:

1. **Expand Advanced**
2. **Click the cog** to expand the options
3. **Click yellow and black warning tape** to unlock
4. **Click Arm** to start propellers.



The propellers should begin to rotate, but will stop within seconds if no further commands are issued.

11. Click Mission Execution Tab → **Launch Recover**



FLY SAFE!

Always adhere to all local and federal rules and regulations.

Find out current operating guidance for your location:

<http://www.icao.int/safety/RPAS/Pages/UAS-Regulation-Portal.aspx>

NEXT STEPS:

[-INEXA Control Operator's Manual](#)

[-Unmanned Vehicle Plugin for ArduCopter Guide](#)

[-Mission Planning Quick-Start Guide](#)

WE'RE HERE TO HELP

Web Support:
<https://insitu.com/support>

Email Support:
missionsystemssupport@insitu.com

