Nova Carter AMR Development Robot

Quick Start Guide
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Getting Started with Nova Carter

**Step 1: Remove the Lidar Cover**
Remove screws holding the LIDAR cover in place using included 2.5 mm hex driver. Reinstall the screws once the cover is removed.

**Step 2: Connect Monitor, Keyboard, and Mouse**
Connect peripherals to the rear IO panel. You may use the provided USB-C to USB-A dongle for convenience.
Getting Started with Nova Carter

Step 3: Power On
Hold the power button to turn the robot on.

Step 4: Start Using Jetson
Begin developing your robot using the familiar NVIDIA Jetson AGX Orin™ Linux environment.
Default Username: nvidia
Password: nvidia
Getting Started with Nova Carter

Emergency Stop Use
Press the Emergency Stop (E-Stop) button to immediately cut motor power. The front indicator light will blink red while the E-Stop is engaged. To release the E-Stop, twist the button clockwise.

Charging the Robot
To charge Nova Carter, connect the included wall charger to the charge port. The charger may be used while the robot is on or off. Nova Carter will not respond to movement commands while charging.
Packing Contents

Nova Carter Robot *1
(3D Mapping Top Module Pre-installed)

Charger *1

AC Cable *1

Tow Hook *1

Hex Wrench *1

Controller *1

Key to Battery Lock *1

USB-C to USB-A Dongle *1

Basic Cargo Top Module *1

Note: Controller model: CFI-ZCT1NA
Product Overview

3D Mapping Configuration
Getting started guide is based on the 3D Mapping Configuration

Basic Cargo Top Configuration
Alternate product configuration
Product Overview

**Left View**
- Fisheye Camera
- Leopard Imaging Owl
- Stereo Camera
- Leopard Imaging Hawk

**Front View**
- Fisheye Camera
- Leopard Imaging Owl
- Stereo Camera
- Leopard Imaging Hawk
- 4X Corner RGB LEDs
- Status Indicator
- Power Button
- Charging Port
- Charging Dock Contacts
Product Overview

Right View

Fisheye Camera
Leopard Imaging Owl

Stereo Camera
Leopard Imaging Hawk

Back View

Fisheye Camera
Leopard Imaging Owl

Stereo Camera
Leopard Imaging Hawk

DisplayPort, USB-C, Ethernet Ports

Tow Hook
E-Stop
## Certifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Standard</th>
<th>Qualified or not</th>
<th>Certification report or not</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB/CE-safety</td>
<td>IEC/EN 62133-2: 2017</td>
<td>Qualified</td>
<td>Yes</td>
</tr>
<tr>
<td>UL2271</td>
<td>UL2271 (sent from UL)</td>
<td>Qualified</td>
<td>Yes</td>
</tr>
<tr>
<td>EU Battery Directive</td>
<td>2013/56/EC</td>
<td>Qualified</td>
<td>Yes</td>
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<tr>
<td>RoHS/REACH/PoPs</td>
<td></td>
<td>Qualified</td>
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<tr>
<td>UN38.3</td>
<td>S/SG/AC.10/11, Article 38.3, Dangerous Goods Transport Simulation Test of United Nations</td>
<td>Qualified</td>
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<td>SDS/MSDS</td>
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<td>EMC</td>
<td>ECE R10</td>
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<tr>
<td>GOST-R</td>
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*Note: Standards mentioned above are about battery certification.*
More Information

Please scan the QR code or visit the link below for more information about Nova Carter.

https://robotics.segway.com/download/
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