SEGWAY ROBOTICS
CFI-ZCT1NA AMR Development Robot

SEGWAY ROBOTICS CFI-ZCT1NA AMR Development Robot User Guide

Contents

SEGWAY ROBOTICS

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Product Information

Specifications

- **Product Name:** Nova Carter AMR Development Robot
- **Configuration:** 3D Mapping Top Module Pre-installed
- **Controller Model:** CFI-ZCT1NA
- **Certifications:** CB/CE-safety, UL2271 EU Battery Directive, RoHS/REACH/PoPs, IEC/EN 62133-2:2017, UL2271, 2013/56/EC, UN38.3, S/SG/AC.10/11, Article 38.3, SDS/MSDS EMC, GOST-R, ECE R10

Product Usage Instructions

Getting Started with Nova Carter

1. **Step 1: Remove the Lidar Cover**
   Remove the screws holding the LIDAR cover in place using the included 2.5 mm, hex driver. Reinstall the screws once the cover is removed.
2. **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.
3. **Step 3: Power On**
   Hold the power button to turn the robot on.
4. **Step 4: Start Using Jetson**
   Begin developing your robot using the familiar NVIDIA Jetson AGX OrinTM Linux environment. Default Username: nvidia Password: nvidia

Emergency Stop Use

- Press the Emergency Stop (E-Stop) button to immediately cut motor power.
- The front indicator light will blink red while the EStop 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.

FAQ

- **Q:** Where can I find more information about Nova Carter?
- **A:** You can scan the QR code or visit the link provided for more information: **https://robotics.segway.com/download/**

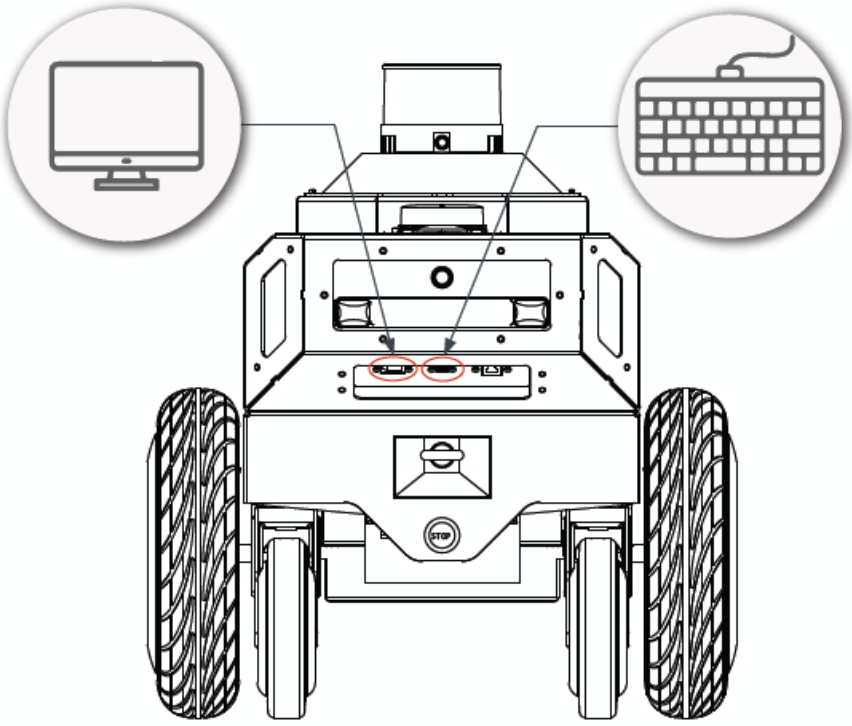
Getting Started with Nova Carter

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.

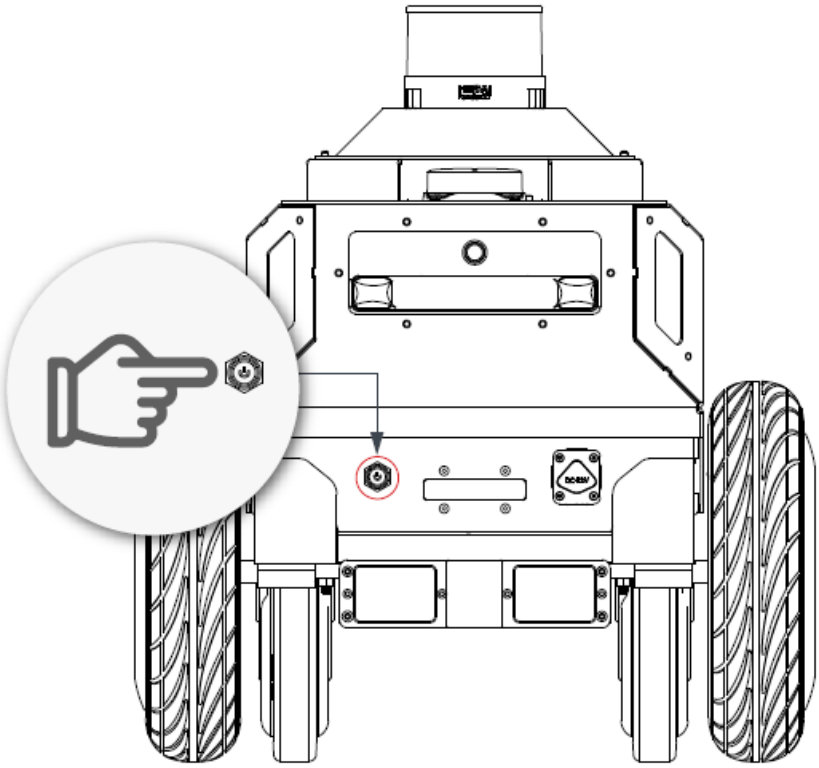
Step 2: Connect Monitor, Keyboard, and Mouse

- Connect peripherals to the rear IO panel. You may use the provided USB-C to USB-A dongle for convenience.



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
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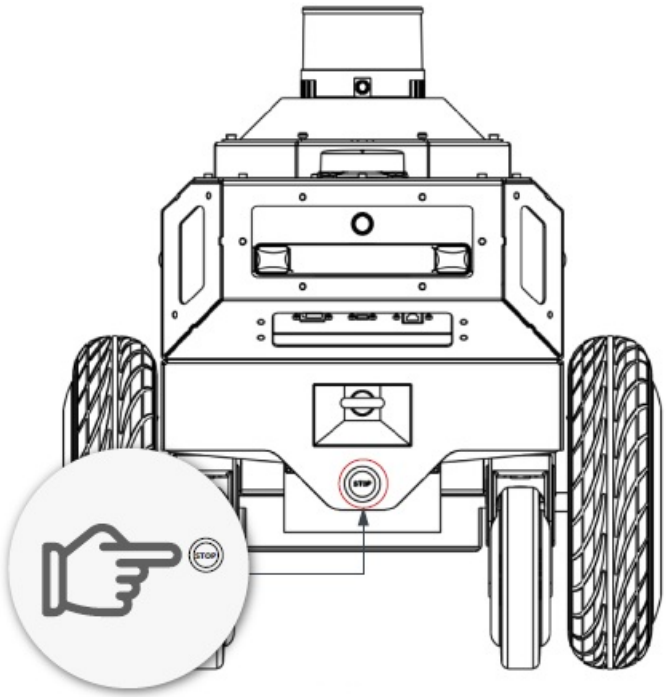

Charging the Robot

- 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.
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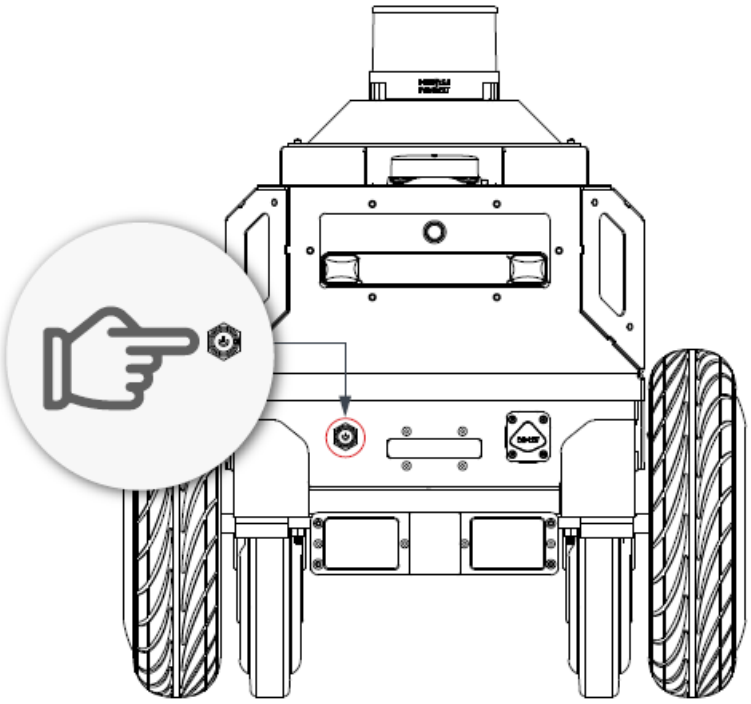
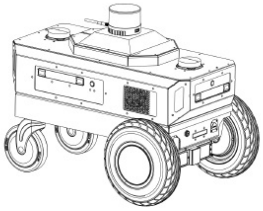
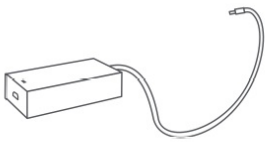


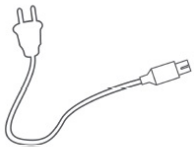
Packing Contents



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



*Charger *1*



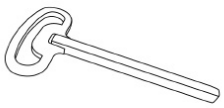
*AC Cable *1*

*Tow Hook *1*

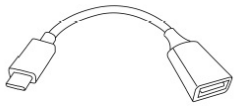
*Hex Wrench*1*

*Controller *1*

Note: Controller model: CFI-ZCT1NA



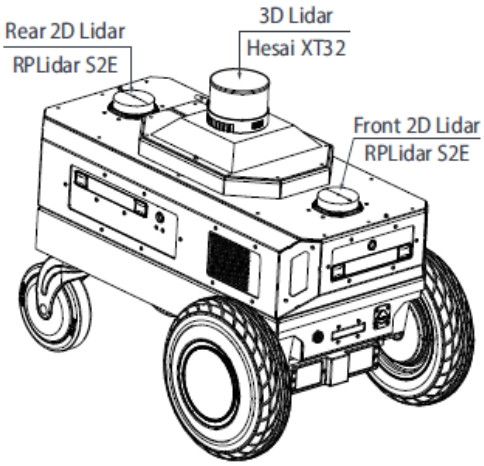
*Key to Battery Lock *1*



*USB-C to USB-A Dongle *1*

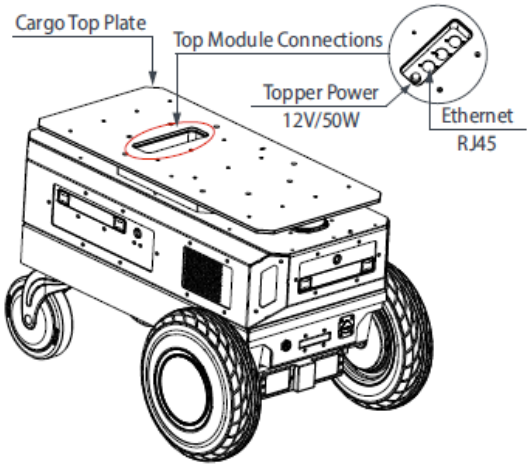
*Basic Cargo Top Module *1*

Product Overview



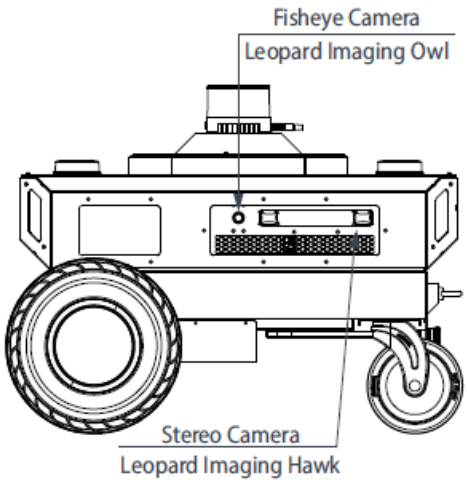
3D Mapping Configuration

Getting started guide is based on the 3D Mapping Configuration

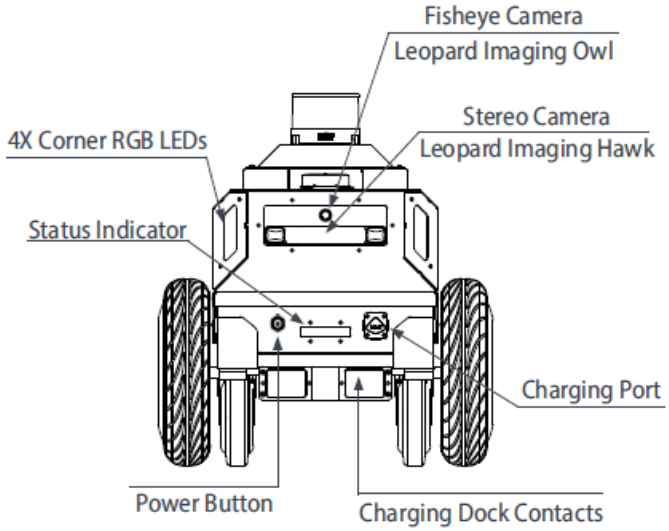


Basic Cargo Top Configuration

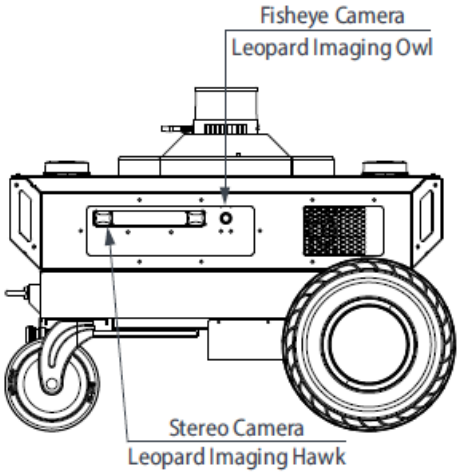
Alternate product configuration



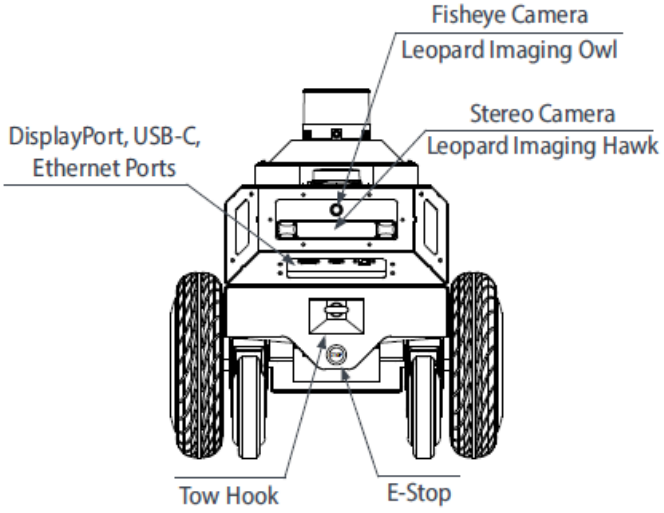
Left View



Front View



Right View



Back View

Certifications

Item	*Standard*	*Qualified or not*	*Certification report or not*
CB/CE-safety	IEC/EN 62133-2: 2017	Qualified	Yes
UL2271	UL2271 (sent from UL)	Qualified	Yes
EU Battery Directive	2013/56/EC	Qualified	Yes
RoHS/REACH/PoPs		Qualified	Yes
UN38.3	S/SG/AC.10/11, Article 38.3, Dangerous Goods Transport Simulation Test of United Nations	Qualified	Yes
SDS/MSDS	/	Qualified	Yes
EMC	ECE R10	Qualified	No
GOST-R	/	Qualified	Yes

Note: The 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/

CONTACT

- Distributed by Segway Robotics Inc.
- Manufactured by Ninebot Commercial (Beijing) Technology Co. LTD
- Address: 98 Spit Brook Rd. #2203, Nashua, 03062, NH, USA
- Service: support@robotics.segway.com

Documents / Resources

	SEGWAY ROBOTICS CFI-ZCT1NA AMR Development Robot [pdf] User Guide CFI-ZCT1NA AMR Development Robot, CFI-ZCT1NA, AMR Development Robot, Development Robot, Robot

References

- Home | Segway
- User Manual