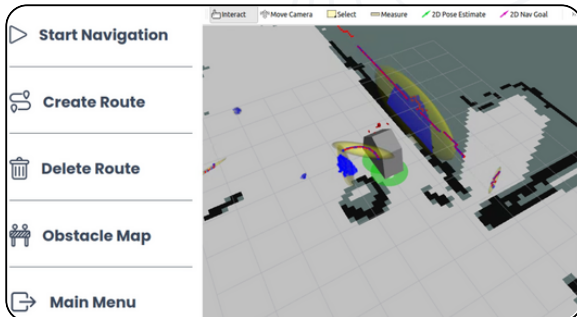


INITIAL MENU: POWERING ON THE MACHINE

- ✔ Use the **Backpack key** to turn on the autonomous system.
- ✔ Use **Scrubber key** to turn on the machine.
- ✔ Wait for the interface to appear on the screen to display the **Initial Menu**.

STARTING MENU: SELECT MAP

- ✔ Press **Start Navigation** and choose the map of the desired cleaning section. Ensure that the robot is presently located in that map section (i.e., if selecting the **Second Floor** map, ensure the robot is on the second floor). If not, drive the robot to that section.
- ✔ Manually drive the machine to the **start point** of the map (check the Interface for current camera images matching and the location of the green dot on the map).
- ✔ Press **Confirm** to launch the system when you're in the area (it doesn't need to be very accurate, but it must face a similar orientation as the camera stream shows).
- ✔ If you selected the wrong map, press **Cancel** and select the desired map from the **Initial menu**.
- ✔ Wait approximately **30 seconds** for the system to launch in the Route menu.



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CYBERWORKS ROBOTICS



AUTONOMOUS SELF-DRIVING PLATFORM
Instructions for Use

Product:
Nilfisk SC1500

ROUTE MENU: START CLEANING SESSION

- ✓ Press **Start Navigation** and select the desired cleaning session route (if no route exists, consult part 3 of this document and follow the instructions to teach a route).
- ✓ You should see a red arrow on the Interface map, showing the initial starting point of the cleaning route. If not there already, drive the robot manually to the red arrow (it doesn't have to be right on it but fairly close).
- ✓ Press **Start Cleaning**. Ensure the washer module is currently raised. The system should activate it automatically. **Press OK**.
- ✓ Turn the steering wheel manually all the way to the right for calibration. **Press OK**.
- ✓ The machine should engage self-driving navigation along the selected cleaning session route.
- ✓ If you selected the wrong route, you can always press **End the route** and select the right route from the Route menu

LOCALIZATION MENU: TEACH A ROUTE

- ✓ From the Route menu, press **Create route**.
- ✓ Name the route using the virtual keypad. **Press OK** to validate the chosen name.
- ✓ Manually drive the robot to the starting location of the route, if not there already. **Press OK**.
- ✓ Manually drive the robot along the route, ensuring to maintain a distance of at least one foot from obstacles. Be extra careful during u-turns not to be too close to obstacles.
- ✓ Once completed, press **Save the route in the Database**.
- ✓ The route is directly available from the Route menu to be replayed in a new cleaning session.

CLEANING MENU: DURING NAVIGATION

- ✓ The machine can be paused anytime by pressing **Pause** and can then be resumed by pressing **Resume** on the interface. When the robot is paused, it's possible to manually drive it. As soon as the robot is resumed, it is back in self-driving navigation.
- ✓ When the machine is paused, you can use the main Scrubber buttons to adjust cleaning options like water level, vacuum power, and soap quantity level.
- ✓ The route can be ended anytime, by just clicking **End Route** and confirming the decision. You are then redirected back to the **Route menu**.

RETURN TO INITIAL MENU: AFTER NAVIGATION

- ✓ **Press OK** on the interface to finish the cleaning session. Then, press **End Route** to go back to the Route menu.
- ✓ From there, press **Back to the Main Menu** to come back to the Initial menu. It is then possible to select another map to launch a new cleaning session (back to instructions 2, then 3), or turn off the machine by pressing **Quit the application**

TURNING THE MACHINE OFF

- ✓ From the Initial menu, press **Quit the Application**. Wait for the computer to shut down.
- ✓ Turn off the autonomous system using the **backpack key**.
- ✓ Drive the machine manually to the nearest charging/cleaning station. Turn off the machine using the scrubber key.

CREATE A MAP

- ✓ Instructions available in the training video or in the user guide

POTENTIAL ISSUES

- ✓ **ROBOT STUCK NEAR OBSTACLE:**
 - **Press Pause**. Manually drive the robot past the obstacle (sometimes just a little pedal push can unstuck the robot). **Press Resume** to get the robot back on navigation.
- ✓ **HARDWARE ISSUE:**
 - A window displaying the issue should appear. **Press OK**. The robot can be unpaused and resume the cleaning session in case of low-risk severity. In the event of a high-risk severity issue, the cleaning session is aborted. Please contact the support system for assistance.

CAUTION !

- ✓ Clean the Lidar and camera lenses before use.
- ✓ Do not open the lid when the machine is on.
- ✓ Reverse autonomous navigation is not supported; **do not** attempt to teach routes that involve reverse motion.
- ✓ This reference guide assumes the system contains at least one map in its database. Please consult the user guide to get **Mapping** instructions in order to create a map in case no maps are available.

