



The Mobile Robot Company

Knowledge Center — J1600 Quick Start Guide · 2026-08-04

<https://info.mobilerobot.com/documentation/getting-started/j1600-quick-start-guide>

J1600 Quick Start Guide

This guide takes you from a newly delivered J1600 to its first autonomous pallet delivery. [The J1600](https://info.mobilerobot.com/products/j1600/overview/) is ready to use on delivery: it needs no tracks, wires, reflectors, or building modifications, and [Wi-Fi is optional for basic use](https://info.mobilerobot.com/documentation/installation/network-and-wi-fi-requirements/). Typical setup takes hours or one day, [depending on scope](https://info.mobilerobot.com/applications/planning/deployment-scope-examples/), and an operator who already drives an electric pallet jack needs about 30 minutes of training.

The basic workflow is: **map by driving, save destinations, pick manually, and deliver autonomously** (<https://info.mobilerobot.com/applications/scenarios/manual-pickup-and-autonomous-delivery/>).

Before you start

Check that your facility and loads [fit the J1600's operating envelope](https://info.mobilerobot.com/applications/planning/is-the-j1600-right-for-my-application/):

- Indoor, floor-to-floor transport on [level floors](https://info.mobilerobot.com/documentation/installation/floor-requirements/). Autonomous mode has 0% gradeability; slopes and dock plates are manual-mode work.
- [Operating temperature](https://info.mobilerobot.com/documentation/installation/operating-environment-requirements/) 5–40 °C (41–104 °F), relative humidity 20–80% non-condensing.
- Pallets and load carriers must have an open base with no bottom deck board, within 1,250 × 1,250 mm (49 × 49 in) including overhang and a maximum load height of 1,700 mm (67 in). See [Supported Pallets and Loads](https://info.mobilerobot.com/documentation/user-guides/supported-pallets-and-loads/).
- Maximum payload is 1,600 kg (about 3,500 lb).

For receiving and unboxing, see [Delivery and Unpacking](https://info.mobilerobot.com/documentation/getting-started/delivery-and-unpacking/).

Step 1 — Power on and follow the tutorial

Turn the key switch to power the robot on and follow the on-screen tutorial on the [15-inch touchscreen](https://info.mobilerobot.com/documentation/technical-reference/interface-specifications/) (<https://info.mobilerobot.com/documentation/technical-reference/interface-specifications/>). The tutorial is available on the device and online.

Step 2 — Map the facility by driving

Use the tiller to drive the J1600 manually through your facility, exactly as you would drive a conventional electric pallet jack. While you drive, the robot builds and continuously updates a three-dimensional map of the environment using [3D LiDAR SLAM](https://info.mobilerobot.com/products/j1600/navigation-and-obstacle-avoidance/) (<https://info.mobilerobot.com/products/j1600/navigation-and-obstacle-avoidance/>) (simultaneous localization and mapping). No infrastructure changes are needed. See [Creating the First Map](https://info.mobilerobot.com/documentation/getting-started/creating-the-first-map/) (<https://info.mobilerobot.com/documentation/getting-started/creating-the-first-map/>).

Step 3 — Save your destinations

Drive to each point where you want the robot to deliver pallets autonomously, tap **Save location** on the touchscreen, and name the point. Repeat for every destination you need — there is no software limit on the number of saved locations. See [Saving the First Location](https://info.mobilerobot.com/documentation/getting-started/saving-the-first-location/) (<https://info.mobilerobot.com/documentation/getting-started/saving-the-first-location/>).

Step 4 — Pick up a pallet manually

[Pallet pickup is always manual](https://info.mobilerobot.com/support/troubleshooting/task-and-location-problems/) (<https://info.mobilerobot.com/support/troubleshooting/task-and-location-problems/>). Use the tiller and lift controls to pick up a supported pallet or load carrier. [Manual mode](https://info.mobilerobot.com/documentation/user-guides/manual-operation/) (<https://info.mobilerobot.com/documentation/user-guides/manual-operation/>) handles picks and drops at heights up to 1,600 mm (63 in).

Step 5 — Create and run the first task

1. Open task creation on the touchscreen.
2. Choose the task type and a saved drop destination.

3. Choose what happens after delivery: return to origin, go to another point or parking, or [stop and wait](https://info.mobilerobot.com/applications/scenarios/deliver-and-wait/) (<https://info.mobilerobot.com/applications/scenarios/deliver-and-wait/>).
4. Execute the task.
5. The robot asks to [enter automatic mode](https://info.mobilerobot.com/support/troubleshooting/robot-will-not-enter-autonomous-mode/) (<https://info.mobilerobot.com/support/troubleshooting/robot-will-not-enter-autonomous-mode/>). Confirm with the physical start/go button.
6. Step away when the interface tells you to.

The J1600 [drives autonomously](https://info.mobilerobot.com/documentation/user-guides/autonomous-operation/) (<https://info.mobilerobot.com/documentation/user-guides/autonomous-operation/>) at up to 5.4 km/h, avoids obstacles on the way, drops the pallet at floor level, and performs the post-delivery action you selected. See [Creating the First Task](https://info.mobilerobot.com/documentation/getting-started/creating-the-first-task/) (<https://info.mobilerobot.com/documentation/getting-started/creating-the-first-task/>).

Taking back control

You can regain manual control at any time by grabbing or moving the tiller, or by using the stop and override controls. [The operator always initiates tasks and decides when the machine may enter autonomous mode](https://info.mobilerobot.com/safety-compliance/safety-overview/human-responsibilities/) (<https://info.mobilerobot.com/safety-compliance/safety-overview/human-responsibilities/>). See [Manual and Autonomous Modes](https://info.mobilerobot.com/documentation/getting-started/manual-and-autonomous-modes/) (<https://info.mobilerobot.com/documentation/getting-started/manual-and-autonomous-modes/>).

PRELIMINARY SPECIFICATIONS

The January 2026 J1600 specifications referenced in this guide are preliminary and subject to change. See the [technical specifications](https://info.mobilerobot.com/products/j1600/technical-specifications/) (<https://info.mobilerobot.com/products/j1600/technical-specifications/>) for the current figures.

Where to go next

- [First-Time Setup](https://info.mobilerobot.com/documentation/getting-started/first-time-setup/) (<https://info.mobilerobot.com/documentation/getting-started/first-time-setup/>) — the setup process in more detail, including the optional commissioning package.
- [Operator Training](https://info.mobilerobot.com/documentation/getting-started/operator-training/) (<https://info.mobilerobot.com/documentation/getting-started/operator-training/>) — what operators need to learn and how long it takes.
- [Task Management](https://info.mobilerobot.com/documentation/user-guides/task-management/) (<https://info.mobilerobot.com/documentation/user-guides/task-management/>) — all task patterns beyond the first delivery.

- [Charging \(https://info.mobilerobot.com/documentation/user-guides/charging/\)](https://info.mobilerobot.com/documentation/user-guides/charging/) — manual and automatic charging options.