



The Mobile Robot Company

Knowledge Center — Standard Software · 2026-08-04

<https://info.mobilerobot.com/products/software/standard-software>

Standard Software

Standard software is the base software on the [J1600 self-driving pallet jack](https://info.mobilerobot.com/products/j1600/overview/) (<https://info.mobilerobot.com/products/j1600/overview/>). It is deliberately reduced to essential functions for maximum ease of use, built around configuration-free [Teach and Repeat](https://info.mobilerobot.com/documentation/concepts/teach-and-repeat/) (<https://info.mobilerobot.com/documentation/concepts/teach-and-repeat/>), and designed to feel "consumer-level easy" to anyone who already operates an electric pallet jack.

What it includes

- **Teach and Repeat [task creation](https://info.mobilerobot.com/documentation/user-guides/task-management/)** (<https://info.mobilerobot.com/documentation/user-guides/task-management/>) — drive to a point, save it, and reuse it in autonomous tasks. No programming or configuration is required.
- **Touchscreen task launch** — tasks are created and started from the [15-inch multi-touch display](https://info.mobilerobot.com/documentation/technical-reference/interface-specifications/) (<https://info.mobilerobot.com/documentation/technical-reference/interface-specifications/>) on the vehicle.
- **Saved locations** — locations are created by [driving to a point and tapping Save location](https://info.mobilerobot.com/documentation/getting-started/saving-the-first-location/) (<https://info.mobilerobot.com/documentation/getting-started/saving-the-first-location/>). The software has no limit on the number of saved locations.
- **Basic automation functions** — start automatic tasks on-screen, autonomous driving to saved locations, floor-level pallet drop, return-to-me, and go-to-parking.

Working with tasks and locations

The operator [picks up a pallet manually](https://info.mobilerobot.com/applications/scenarios/manual-pickup-and-autonomous-delivery/) (<https://info.mobilerobot.com/applications/scenarios/manual-pickup-and-autonomous-delivery/>), chooses a saved destination on the touchscreen, selects what the robot should do 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/>)), and [confirms autonomous mode](https://info.mobilerobot.com/documentation/user-guides/autonomous-operation/) (<https://info.mobilerobot.com/documentation/user-guides/autonomous-operation/>) with the physical start button. Locations can be recombined freely — you do not need to teach every possible A-to-B variation. See [Dual Mode](https://info.mobilerobot.com/products/j1600/dual-mode/) (<https://info.mobilerobot.com/products/j1600/dual-mode/>) for how manual and autonomous operation share one vehicle.

Deployment requirements

Standard software is intended for single-unit deployments without a systems project:

- [Wi-Fi is optional](https://info.mobilerobot.com/documentation/installation/network-and-wi-fi-requirements/) (<https://info.mobilerobot.com/documentation/installation/network-and-wi-fi-requirements/>) for the [basic out-of-box workflow](https://info.mobilerobot.com/products/j1600/how-it-works/) (<https://info.mobilerobot.com/products/j1600/how-it-works/>).
- [No warehouse-management system \(WMS\), fleet manager, or IT integration](https://info.mobilerobot.com/applications/results/lower-integration-complexity/) (<https://info.mobilerobot.com/applications/results/lower-integration-complexity/>) is required.
- No building modifications, tracks, wires, or reflectors are needed — navigation uses [3D LiDAR SLAM](https://info.mobilerobot.com/products/j1600/navigation-and-obstacle-avoidance/) (<https://info.mobilerobot.com/products/j1600/navigation-and-obstacle-avoidance/>).
- [Training](https://info.mobilerobot.com/documentation/getting-started/operator-training/) (<https://info.mobilerobot.com/documentation/getting-started/operator-training/>) takes about 30 minutes for an existing electric-pallet-jack operator, supported by an on-device or online tutorial.

Who it is for

Standard software fits operations that want one robot running quickly: a single J1600 automating repetitive floor-to-floor transport, with operators adding or changing locations themselves instead of calling an automation expert.

Upgrading

When the application grows, the [Advanced software](https://info.mobilerobot.com/products/software/advanced-software/) (<https://info.mobilerobot.com/products/software/advanced-software/>) upgrade adds [VDA 5050](https://info.mobilerobot.com/products/software/vda-5050/) (<https://info.mobilerobot.com/products/software/vda-5050/>) interoperability, a [REST API](https://info.mobilerobot.com/documentation/technical-integration/rest-api-documentation/) (<https://info.mobilerobot.com/documentation/technical-integration/rest-api-documentation/>), [Fleet Manager](https://info.mobilerobot.com/products/software/fleet-manager/) (<https://info.mobilerobot.com/products/software/fleet-manager/>), advanced mission planning, and deeper system integration. See the [software comparison](https://info.mobilerobot.com/products/software/software-comparison/) (<https://info.mobilerobot.com/products/software/software-comparison/>) for a side-by-side view.