



The Mobile Robot Company

Knowledge Center — VDA 5050 · 2026-08-04

<https://info.mobilerobot.com/products/software/vda-5050>

VDA 5050

VDA 5050 is an [interoperability interface](https://info.mobilerobot.com/documentation/concepts/vda-5050-explained/) (<https://info.mobilerobot.com/documentation/concepts/vda-5050-explained/>), for multi-vendor mobile-robot fleets. It lets robots from different vendors work together in the same space under a compatible fleet-management layer, instead of each brand requiring its own isolated control system.

J1600 support

The [J1600](https://info.mobilerobot.com/products/j1600/overview/) (<https://info.mobilerobot.com/products/j1600/overview/>) has full VDA 5050 support. The interface is part of the [Advanced software](https://info.mobilerobot.com/products/software/advanced-software/) (<https://info.mobilerobot.com/products/software/advanced-software/>) package; [Standard software](https://info.mobilerobot.com/products/software/standard-software/) (<https://info.mobilerobot.com/products/software/standard-software/>) does not include it.

The Mobile Robot Company works with established VDA 5050 fleet-management providers, so the J1600 can be brought into an existing VDA 5050 fleet installation rather than requiring a dedicated one.

Why it matters

Many facilities already run, or plan to run, mobile robots from more than one vendor. With VDA 5050:

- the J1600 can coexist with other vendors' robots under one fleet layer;
- traffic and task coordination happen in the fleet manager, not in per-brand silos;
- adding the J1600 to an automated site does not force a rip-and-replace of the existing fleet software.

Getting started

[VDA 5050 operation](https://info.mobilerobot.com/documentation/technical-integration/vda-5050-documentation/) (<https://info.mobilerobot.com/documentation/technical-integration/vda-5050-documentation/>), requires the Advanced software upgrade, which is easiest to install at the factory when the robot is ordered — a partner can add it later, but customers cannot install it themselves. Integration setup can be included as an add-on to [installation and commissioning](https://info.mobilerobot.com/products/buying-and-deployment/) (<https://info.mobilerobot.com/products/buying-and-deployment/>)

[t/installation-and-commissioning/](#)). For terminology, see the [glossary](https://info.mobilerobot.com/documentation/concepts/glossary/) (<https://info.mobilerobot.com/documentation/concepts/glossary/>).