seeed studio

INDUSTRIAL PRODUCT DATASHEET

reBot Arm B601-RS Unassembled Kit

Built to be truly open.

SKU	UPDATED
E26070302	2026-11-18 11:27:11



Overview



Built to be truly open. Featuring a 2.5 kg rated payload and ±0.1 mm repeatability, the reBot Arm B601-RS combines fully open hardware and software with comprehensive tutorials, making sim-to-real learning, teleoperation, and real-world robotics development more accessible than ever.

Key Features

01 **Fully Open-Source**

100% open-source robotic arm, certified with CERN-OHL-W 2.0, in terms of both hardware and software. It includes the BOM list, hardware drawings, software, and algorithms, everything you need.

02 **Detailed Assembly Tutorials**

Provides extremely detailed illustrated and video assembly tutorials, wiring instructions, calibration procedures, and environment deployment tutorials, lowering the entry barrier for robot development.

03 **High-performance motors**

The reBot Arm B601-RS uses 4pcs RS-00 motors and 3pcs RS-06 high-torque, low-noise high-performance motors, providing the robotic arm with stable and precise power output..

04 **Framework Compatibility**

Supports mainstream robotics development frameworks such as ROS1/2, NVIDIA Isaac Sim, Hugging Face LeRobot, Pinocchio, etc.

05 **Constant Content Updates**

As the project progresses, we will gradually update the latest trending algorithms and launch a series of completely free tutorials.

Product Gallery









Applications

- **Learn & Build Robotics Easily:** Lower the barrier to robotics with step-by-step tutorials, open-source tools, and real-world examples. Designed for students, makers, and first-time developers, the reBot Arm B601-RS helps you go from assembly to intelligent robot control quickly and confidently.
- **Research & Laboratory Automation:** High-precision robotics for liquid handling, sample transfer, and laboratory workflows. Built for repeatability, delicacy, and rapid experimentation.
- **Teleoperation & Physical AI:** Power real-time control, data collection, and sim-to-real learning with leading robotics frameworks including LeRobot and Isaac Sim. A dexterous “hand” for embodied AI.
- **Industrial Automation & Logistics:** ±0.1 mm precision, up to 5 kg payload. The reBot Arm B601-RS enables precision assembly, inspection, sorting, and material handling in manufacturing and warehouse environments. Compact and easy to integrate into existing production lines and workcells.
- **Your Physical AI Project Deserves the Spotlight!:** Seeed Studio's monthly "Physical AI Project of the Month" is now open for submissions—whether you're building with the reBot Arm (B601-DM/RS) or the SO-ARM (100/101), this is your chance to showcase your work to the global robotics community and get featured by Seeed Studio!

Resource Links

- https://www.seeedstudio.com/reBot-Arm-B601-RS-Disassembly-Kit-Version-with-Power-Supply-Bundle.html
- reBot Arm Github
- Tool

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com