

Press Release

Open-Source Humanoid Robot pib Released in New Version

Nuremberg, November 11, 2025 +++ The fourth version of pib (printable intelligent bot) is now available. The humanoid open-source robot can be 3D-printed, built, programmed, and enhanced with AI by anyone. All 3D printing files and assembly instructions are freely available on the project website, with support and exchange provided by a community of more than 1,800 members. The project has already received several prestigious awards, including the German Design Award 2025 and the German Innovation Award 2025.

pib – the robot from the 3D printer

The humanoid robot pib was developed by isento GmbH in Nuremberg and is aimed at tech enthusiasts, educational institutions, and maker communities. Using a standard 3D printer, all mechanical components can be produced. All STL files, material lists, electronic components, and detailed assembly guides are freely available.

pib combines a modular humanoid structure with servo motors, sensors, and open software components. It can be printed, assembled, programmed, and customized. As an open-source project, pib offers an accessible entry point into robotics and AI—free from high costs and proprietary systems. The international community continuously drives its development forward, making pib ideal for makers, research, and education. The goal: to make robotics and AI accessible to everyone and to lower entry barriers sustainably.

Simplified design thanks to community feedback

The new version features a significantly simpler and more flexible design. Motor calibration has been made easier, and access to the electronics and power button is now more convenient. Many of these improvements are direct results of valuable feedback from the active community.

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Find more information [on our website](#).



New technology and features

pib now includes a microphone array that not only improves audio quality but also detects the direction of sound. New speakers provide a more natural interaction experience and feature blue accent lighting as a design highlight. Three programmable RGB buttons on the torso allow for customizable control commands.

Open robotics for everyone

“With pib, we pursue the vision of making robotics accessible to everyone. The new release demonstrates how open source drives innovation: a humanoid robot that anyone can build, extend, and understand. We’re especially proud that many improvements came directly from our community’s valuable feedback,” says Dr. Jürgen Baier, Co-Founder and CEO of pib.rocks.

From the workbench to the classroom

pib appeals equally to makers, robotics enthusiasts, and AI tinkerers. Beyond that, the robot is already being used in more than 70 schools and educational institutions—as a cross-disciplinary learning platform for future-focused topics such as robotics, 3D printing, and artificial intelligence.

More information, building plans, and guides: www.pib.rocks

About pib

pib stands for printable intelligent bot and is a 3D-printable humanoid robot developed by isento GmbH. As an open-source project, pib thrives not only through the work of isento’s employees but also through the active contributions of its community members. 3D print files, detailed assembly instructions, programming code, AI skills, and a comprehensive knowledge base are freely available online for everyone interested.

About isento GmbH

Founded in 2010, isento GmbH is an IT service provider based in Nuremberg with 60 employees. The company specializes in complex projects in agile software development and AI solutions. In addition to client projects, isento also develops its own initiatives focusing on AI-driven robotics—foremost among them, the humanoid robot pib.

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