



JD Humanoid



EZ-Robot

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Summary

JD is a 3D printable biped humanoid that clips together with EZ-Bits. You can change the appearance and build of this...

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JD is a 3D printable biped humanoid that clips together with EZ-Bits. You can change the appearance and build of this robot by connecting the parts differently to build any configuration. Here's a video of it working: <https://youtu.be/4MweeM97G9c>

Print Settings

Rafts:

Yes

Supports:

Yes

Infill:

30

Filament:

Canadian Filaments PLA

Notes:

The instructions involve photos, which you can find here: <https://www.ez-robot.com/learn-robotics-getting-started-humanoid-robot-kit.html>

Here is how the parts clip together: https://www.youtube.com/watch?v=Rm4H5y_RLVY

The servo mounting holes can be difficult to fit onto the servo output gears. Here's a tutorial to help you along the way: <https://synthiam.com/Community/Tutorials/Strengthen-Servo-Splines-in-3D-Printed-Brackets-17948>

The larger servos used in this robot's arms and legs are here: <https://www.ez-robot.com/store/p16/servo-motor/Heavy-Duty-Servo-Motor/DIY-Servo-Motor.html>

The smaller micro servos used in the head, neck and grippers are here: <https://www.ez-robot.com/store/p19/servo-motor/Micro-Servo/Mini-Servo-Motor.html>

The camera for the head is here: <https://www.ez-robot.com/store/p64/robotics-camera.html>

The RGB eyes are here: <https://www.ez-robot.com/store/p52/18-rgb-led-block.html>

The EZ-Bv4 Robot Controller Brain is here: <https://www.ez-robot.com/store/p24/EZB-smart-robot-controller.html>

The LiPo battery is here: <https://www.ez-robot.com/store/p25/robot-power/lipo-battery.html>

The internal wiring harness + power switch is here: <https://www.ez-robot.com/store/p89/wiring-harness-short.html>

The iOS and Android App can be downloaded here: <https://www.ez-robot.com/mobile-robot-software.html>

Windows software for programming JD can be found here: <https://www.ez-robot.com/pc-robot-software.html>

Category: Robotics

Model files



p27_a-01.stl



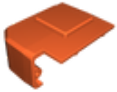
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p43_a-01.stl



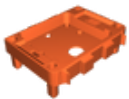
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p5_a-01.stl



p3_a-01.stl



p7_a-01.stl



p26_a-01.stl



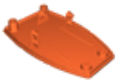
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p21_a-01.stl



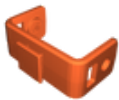
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p11_a-01.stl



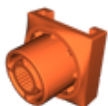
p2_a-01.stl



p24_a-01.stl



p4_a-01.stl



p6_a-01.stl

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