

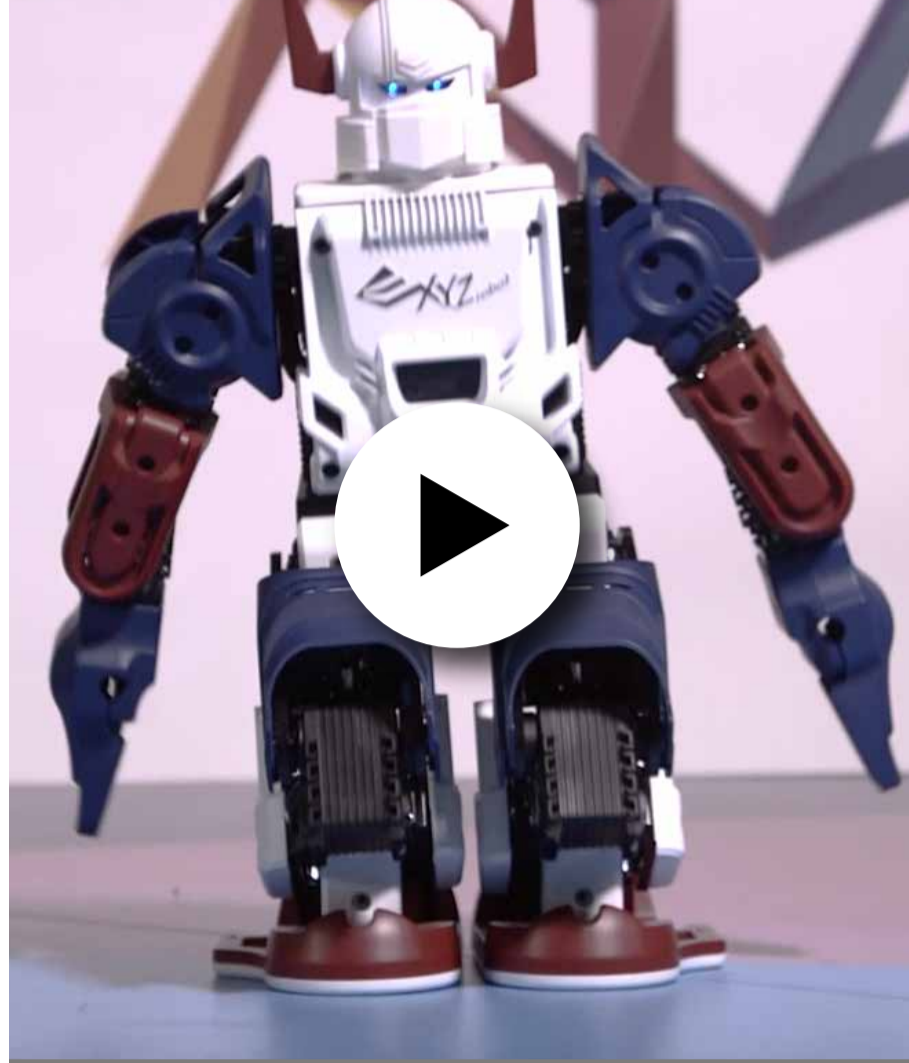


## The Possibilities are Endless BOLIDE Y-01

18 smart servo motors (max. torque 25kg-cm) to mimic precise human movements.

### Features

- 18 degrees of freedom.
- 3D printable parts to create your unique robot.
- Use Arduino 1.0.6 and the XYZrobot Editor to take full control of your Y-01 Bolide's movements and actions.
- Control your Bolide with a remote control and the XYZrobot APP for Android and Apple smartphone and tablet devices.
- Free downloadable motion scripts on XYZrobot's official website.



### ◀ Accelerometer sensor-Falling down detection

### ▶ IR sensor-Distance measurement

The built in accelerometers and IR distance sensors allow Bolide to be aware of its center of balance as well as its surroundings.



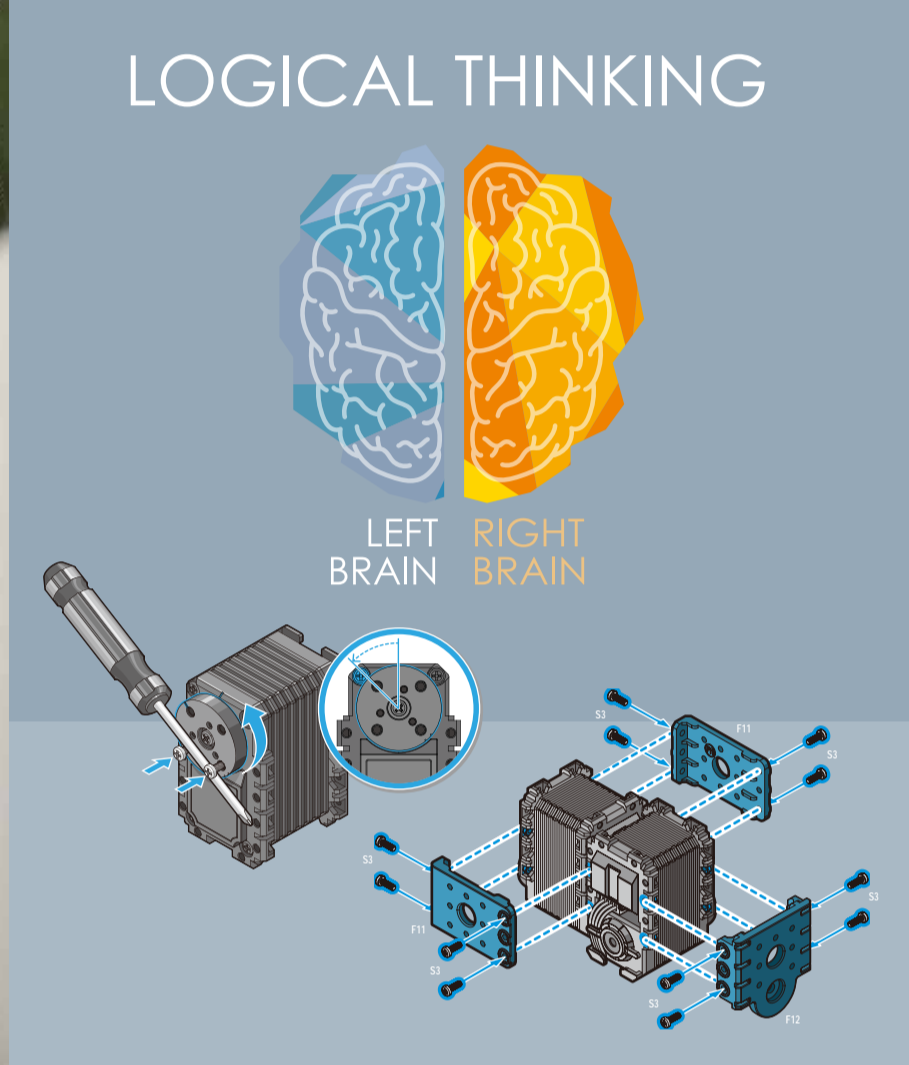
### Smart Servo

Torque: 25kg-cm at 12V  
Our Smart Servos transmit data on temperature, speed, and position and include four color LEDs so you can quickly and easily monitor servo motor status.

### Bolide assembly develops logical thinking

Learn logical thinking skills, left and right robot motion, and how sensors work. Train patience by building Bolide yourself for an added sense of accomplishment!

\*Assembly manual and video provided



### 3D print creative designs

Download .STL files or create your own unique Bolide using a 3D printer to showcase your design talent!

\*.STL files available for download



### Learn architecture through reconfiguration

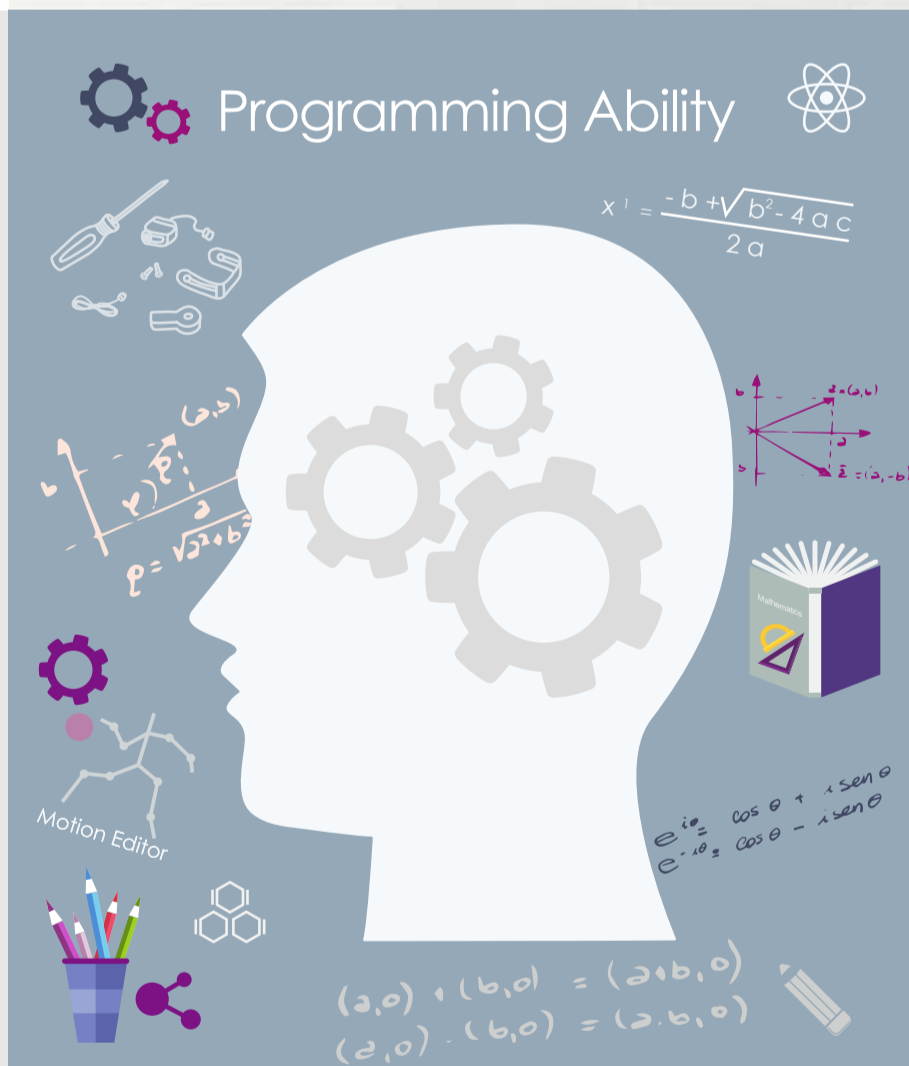
Use the same MCU board and servos with a few extra components to create a completely different robot!

\*Assembly manual and video provided along with different movement ideas



### Use XYZrobot editor to program its motion

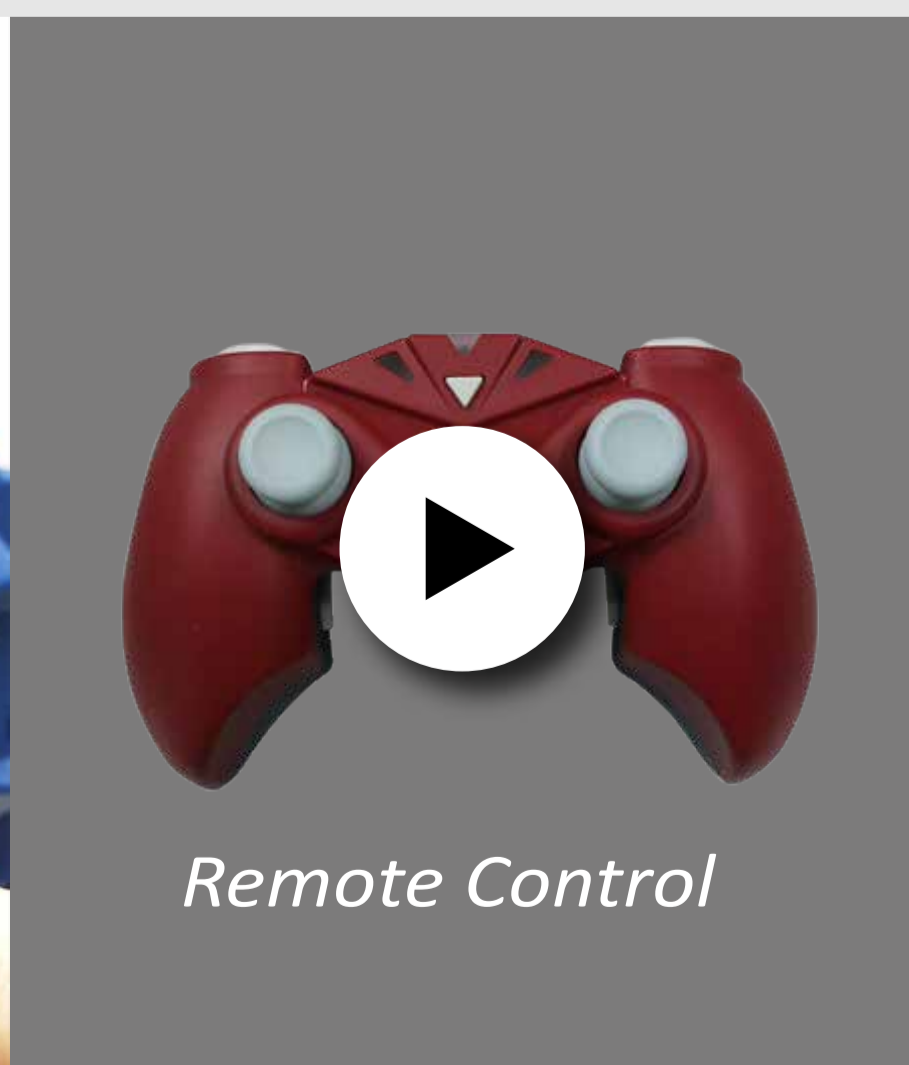
Other than using APP to control bolide, you can also use remote controller to give it command.



**Motion Editor**  
Compatible with Arduino 1.0.6

### Three methods of operation:

- Four programmable buttons on the back for movements and audio files (when MicroSD card is used).
- Bluetooth 4.0 LE remote control (use the pre-programmed controls or create your own)
- Control Bolide with your smartphone by downloading the special APP.



Remote Control



XYZrobot APP

### 3 packaging styles suitable for everyone interested in the robotics field

#### • Fully assembled

Easily programmable right out of the box.

#### • Semi-assembled

Can save you time on set up while allowing you to get acquainted with your robot.

#### • DIY kit

For those who enjoy the challenge of building a robot from scratch.



Battery: Purchasable and interchangeable.

Remote control: 2 joysticks and 6 buttons for more action.

