HUMMINGBIRD BIT BLOCK DESCRIPTIONS
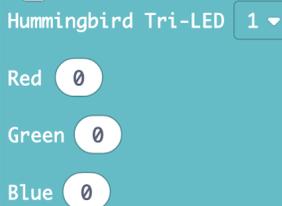
MakeCode

Start Hummingbird

This block is required for every Hummingbird program. Put it in the **on start** block.

Hummingbird LED `1 ▾` `0` %

Sets a single color LED on port 1, 2, or 3 to a brightness value from 0% to 100%.

Hummingbird Tri-LED `1 ▾`
Red `0`
Green `0`
Blue `0`

Sets a tri-color LED on port 1 or 2 to the color specified by red, green, and blue brightness values. The values range from 0% to 100%.

Hummingbird Position Servo `1 ▾` `90` °

Sets a position servo on port 1, 2, 3, or 4 to an angle from 0° to 180°.

Hummingbird Rotation Servo `1 ▾` `0` %

Sets a rotation servo on port 1, 2, 3, or 4 to a rotation speed from -100% to 100%.

Hummingbird `Light ▾` `1 ▾`

Returns the value of the sensor on port 1, 2, or 3. Values for the distance sensor are given in cm. All other readings range from 0 to 100 (no units).

Hummingbird Battery

Reads the value of the battery in milliVolts. You may start to see strange behavior when the value is below 4630 mV.

You can access free MakeCode programming tutorials at...

birdbraintechnologies.com/hummingbirdbit/makecode/program

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