Light Tower Assembly Instructions



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Biped Walking Robot

Assembly Instruction Labels



Adding the Battery Box





Connect the cable from the battery box to the **POWER** section.



Assembling the Base



Sensor Connecting Cable

















Assembling the Touch Sensor



Assembling the Center



1













Putting the Parts Together

(1) Connect the cable from the touch sensor to A4.

2







(4) Connect the cable from the green LED to A1 and the cable from the red LED to A0.



(5) Connect the cable from the buzzer to A5, the cable from the light sensor to A6, and the cable from the sound sensor to A7.







Replacing the Batteries



Completed Light Tower

Before operating your robot, check the Assembly Instructions again to confirm your robot has been assembled correctly.









Operating Your Light Tower

Install the software from the URL below to setup the **Studuino Programming Environment.**

 \star Proceed to Step 1 when software installation is complete.

http://www.artec-kk.co.jp/studuino/

- (1) Connect the USB cable to the PC and the Studuino unit. Refer to **1.3. About Studuino** in the **Studuino Programming Environment Manual** for more details.
- (2) Download the program file LightTower.ipd from the URL below in the ArtecRobo section.

http://www.artec-kk.co.jp/artecrobo/

 $(\mathbf{3})$ Open the downloaded file.

(4)

5



Remove the USB cable from the Studuino unit.

Operating Your Light Tower

1 The LEDs will shine for five seconds in response to sound. They will also shine if your room becomes dark.



2 Making contact with the touch sensor will make the LEDs shine and the buzzer will play a sound.



Sensor Calibration

Some sensors may not function properly after you run the program for the first time. If the sensors are malfunctioning, calibrate the sensor settings.



settings.

Refer to the **Sensor Condition Icon** sections in **4.4. The Attribute Field** of the **Studuino Programming Environment Manual** for more details.