Transporter Assembly Instructions



Artec Co., Ltd.

Address: 3-2-21 Kitakamei-cho, Yao-shi, Osaka 581-0066 Japan E-mail: export@artec-kk.co.jp Website: www.artec-kk.co.jp/en

Actec[®] is a registered trademark of Artec Co., Ltd. in multiple countries including Japan, South Korea, Canada, and the USA.



Assembly Instruction Labels



Body Assembly (bottom)





2







Assembling the Motor



(1) Connect the assembled DC Motor to M2.



(2) Connect the assembled DC Motor to M1.



Body Assembly (front)







(4) Connect the reflective infrared sensor (IR Photoreflector) to A3.



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





Aake sure the cables are inserted correctly!





Assembling the Head and Arms









4



Do not insert the Half B (blue) studs into Half C (light aqua). Push the Half B (blue) block down with your finger, as illustrated, so that it is pushing down on Half C (light aqua). Half C (light aqua) should be inserted into the touch sensor.

Replacing the Batteries



Completed Transporter

Be cautious of cables that could become entangled in the moving parts of the motor and cause the robot to disconnect. Arrange cables with caution.
Before operating your robot, check the assemby instructions again to confirm your robot has been assembled correctly.









Making Your Transporter Run

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

★ 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 **Studuino Programming Environment Manual** for more details.
- (2) Download the program file **Transporter.ipd** from the URL below in the **ArtecRobo** section.

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

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

4 Transfer the program to the Studuino unit by clicking the Transfer button (1).

5



Remove the USB cable from the Studuino unit.

Making Your Transporter Run

6 On the last page of the instructions there is an A4 size printout of a run course for your robot.

If you cannot print out the course, you can draw your own. Draw the lines of the run course using a thick, black marker and white paper.

The thickness of the lines should be between 5 mm and 10 mm.

Your robot cannot make sharp turns.

Place the robot onto the course where the left and right reflective infrared sensor can detect the course line.



- 8) Turn the switch on the battery box to ON.
- 9 When the touch sensor is on, the robot will detect objects placed in its arms and run along the track.



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.



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

