



Linear Rail Kit

Shenzhen Yuejiang Technology Co., Ltd

Technical Support Department



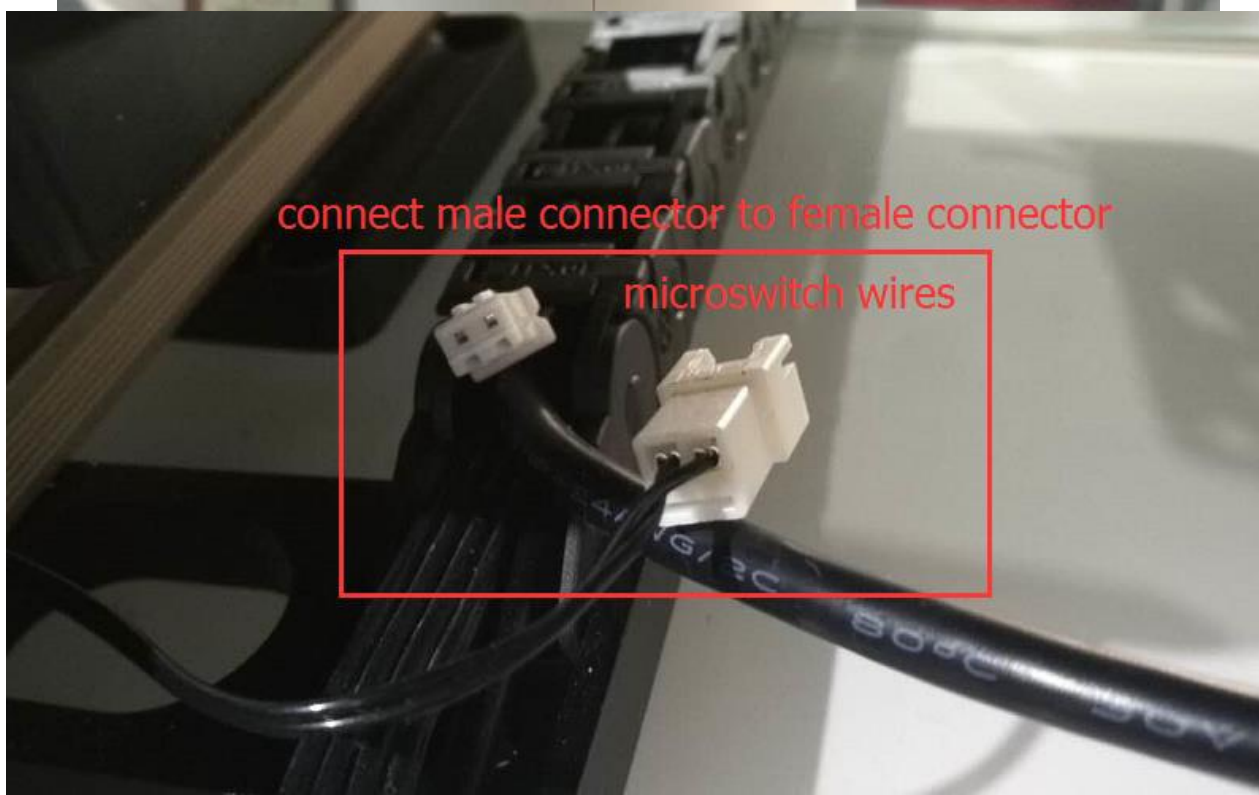
Dobot Magician Instructions

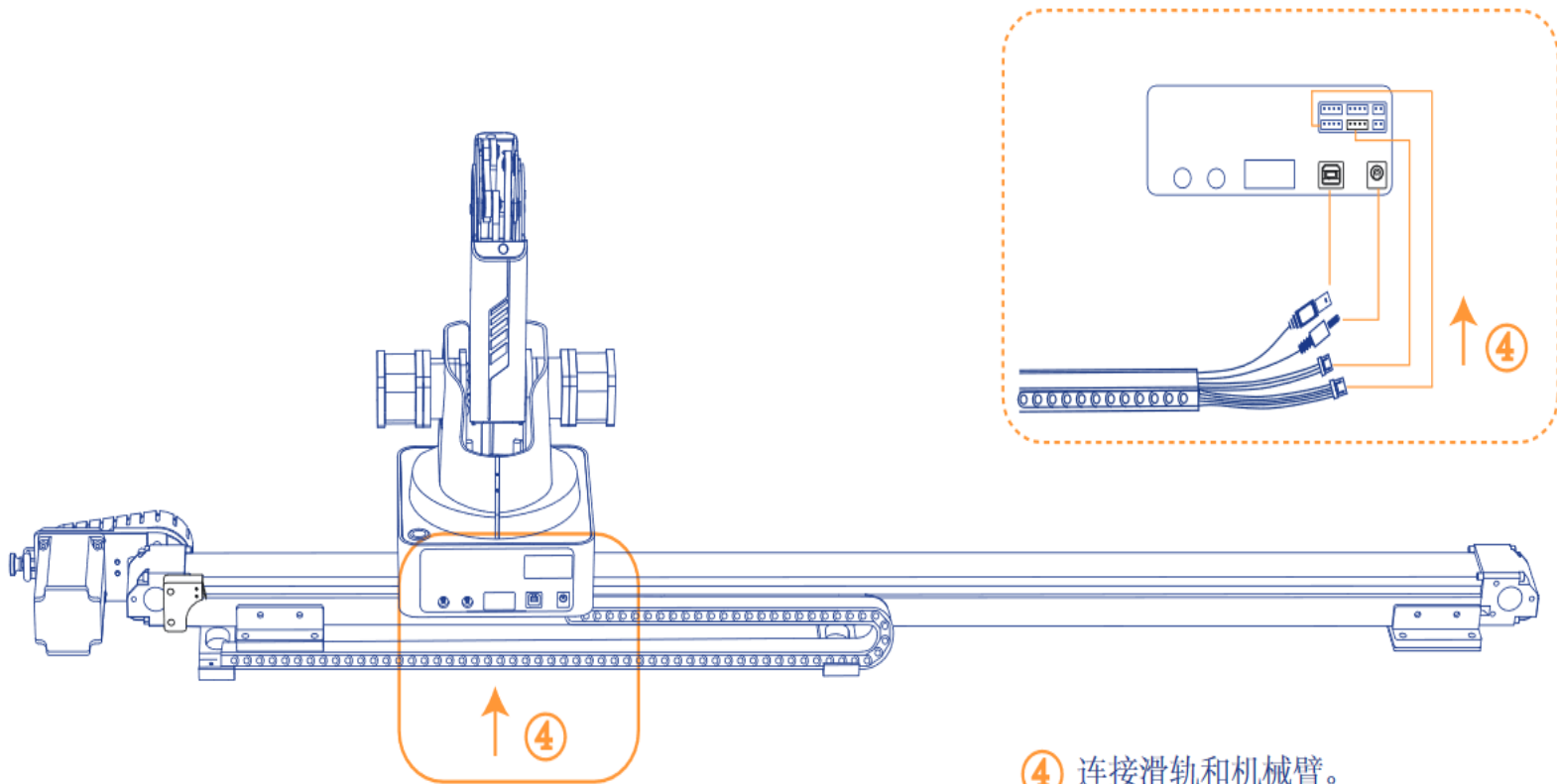
Dobot Magician Instructions



1. Connection

- Connect the motor wire of linear rail to interface Stepper 2;
- Connect the microswitch wire to communication interface;
- Connect male connector of motor wire to its female connector;
- Connect male connector of microswitch wire to its female connector;





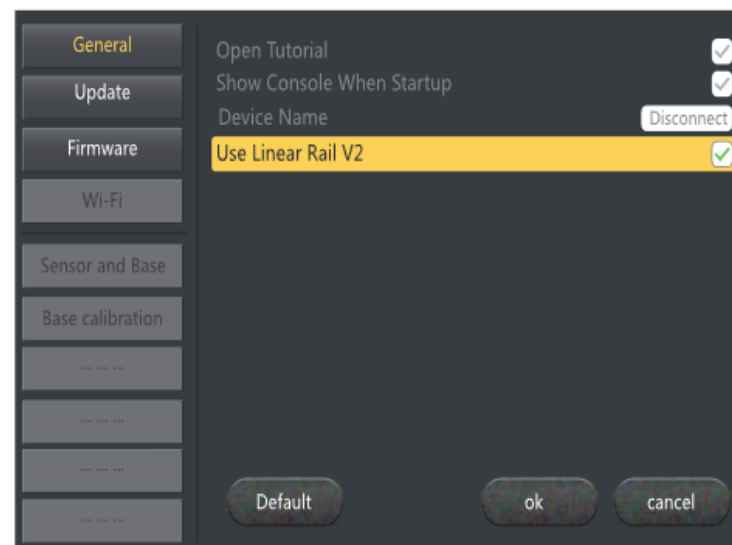
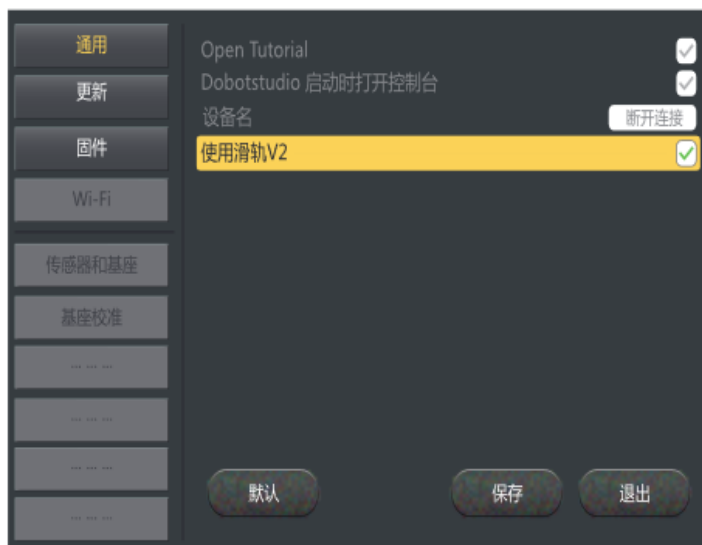
- ④ 连接滑轨和机械臂。
Connect the interfaces on the end of the towline cable drag chain to robot arm.



3. 在DobotStudio界面勾选新滑轨选项。

单击“设置”>“通用”，勾选“使用滑轨V2”，单击“保存”和“退出”。

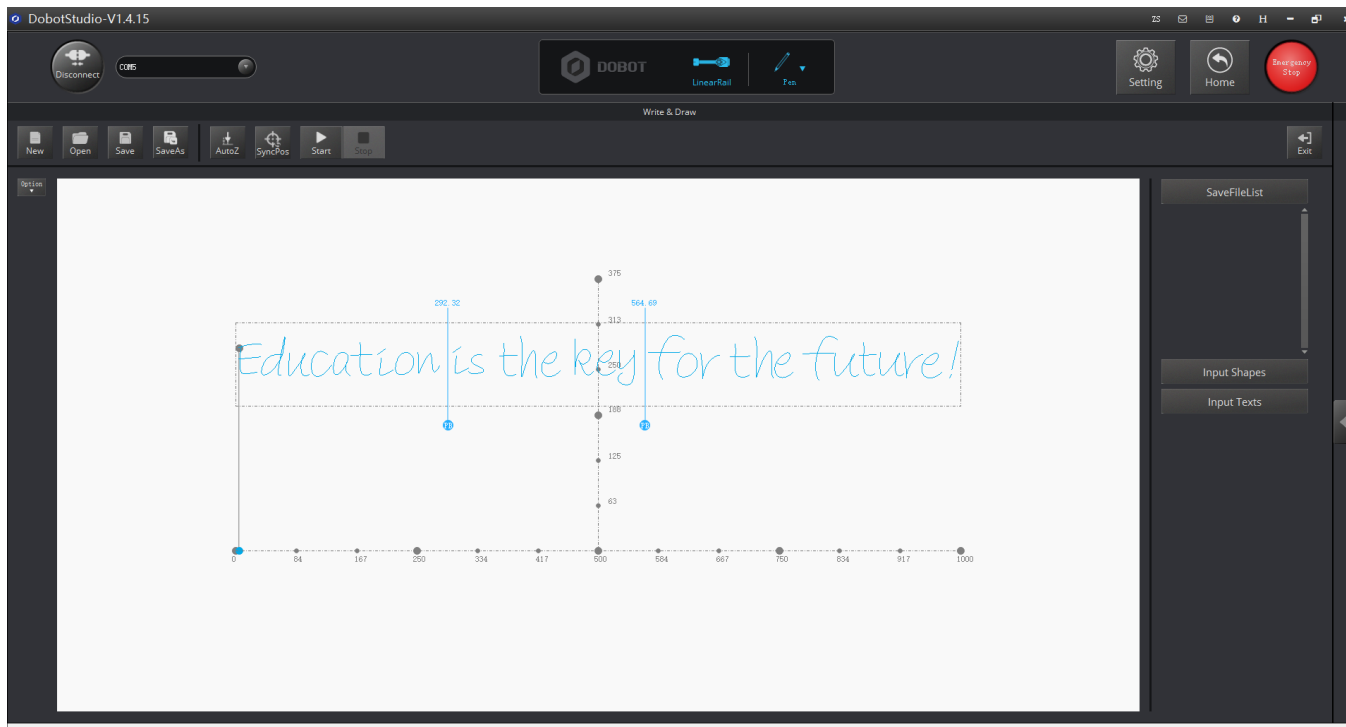
Select the option **Use Linear Rail V2** on the **Setting > General** page. Click **Save** and **Quit**.





2. Operations

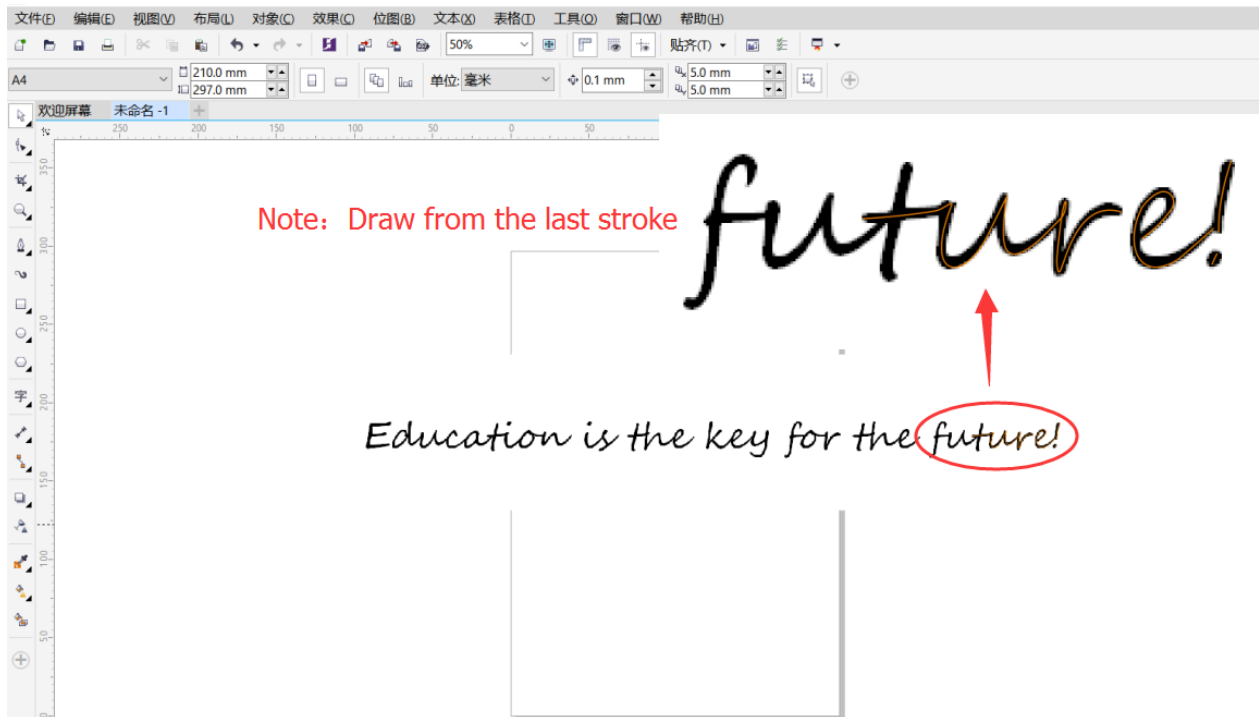
- Turn on Dobot, click LinearRail, and then press Home key at first, select end-effector as Pen.
- Transform content into PLT format, open Write & Draw module, and import PLT files.
- Adjust the height of pen, click AutoZ, and then click SyncPos to move Dobot to the initial position.
- Add playback triggers to set dip ink positions. (Return to Teaching&Playback module to set dip ink actions)
- Return to Write & Draw module, click Start.





3. How to create a plt file

- Software: CorelDRAW X7;
- Transform the contents what you want into picture format;
- Import the picture into CorelDRAW X7;
- Draw the characters according to their trajectory;
- Save the format as plt;





4. FAQ about Linear Rail

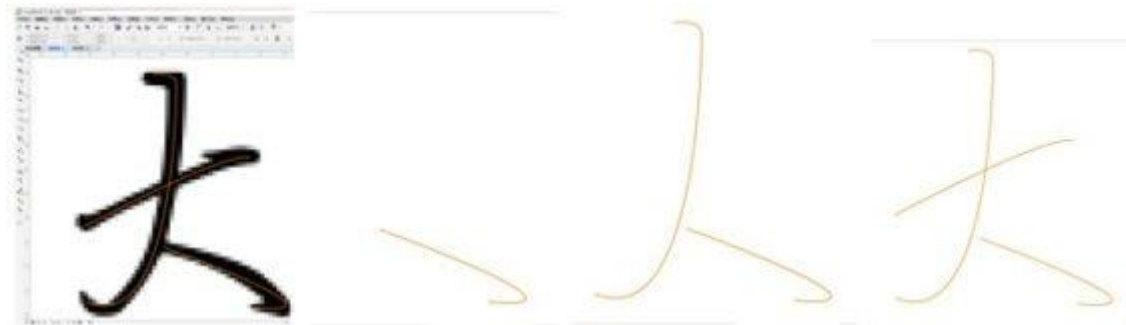
Q: What should I do if the homing position of the linear rail is abnormal?

A: If the linear rail is in an abnormal zero position, you can control its movement through Dobot Studio. If it cannot go back to the original homing position, press Home to move the Dobot into the homing position and then begin operations.

Q: What should I do if the Linear Rail begins to write abnormally?

For example: the linear rail writes in reverse order.

A: The linear rail writes in the reverse order when the completed PLT file is inputted through Dobot Studio. The correct writing order starts from the last stroke of the last character, shown in the following example.





5. More Support

- For more information, please visit our official website:

<http://www.dobot.cc/>

- Further questions, welcome to send email to

support@dobot.cc

- After-sales hotline:

[0086-0755-33100907](tel:0086-0755-33100907)

- For more training videos, please visit:

Software Installation: https://youtu.be/3_wS8YkLiv4

Write & Draw: https://youtu.be/lcv8HG_iqcU

Laser Engraving: <https://youtu.be/k0i1X55iSUo>

3D Printing: https://youtu.be/6SsQB4_a2ig

Conveyor Belt: <https://youtu.be/1Gh26EeiGM>

Linear Rail: <https://youtu.be/6ya3m2U5ojg>