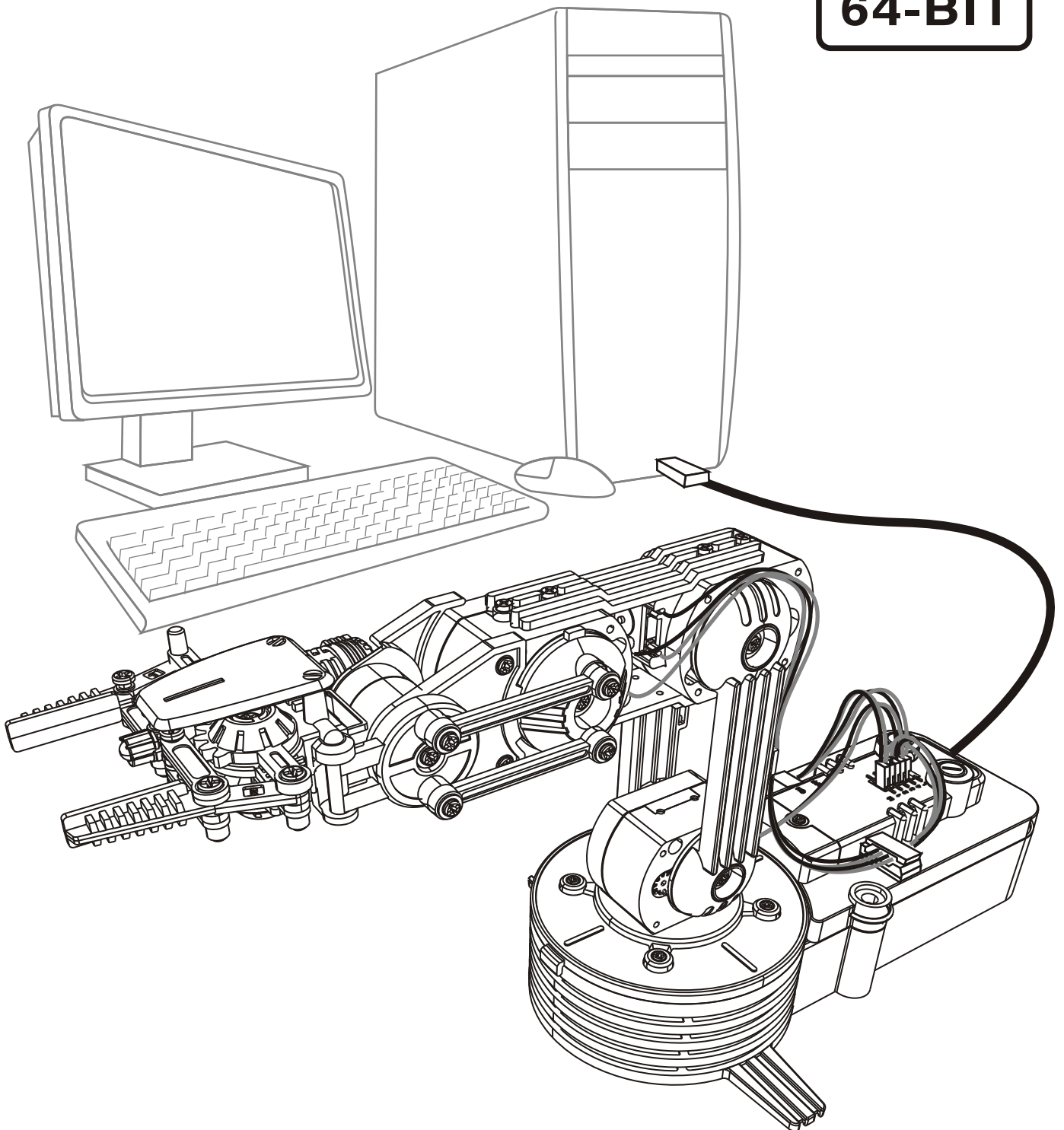# ROBOTIC ARM EDGE

Robotic Arm Edge with USB PC Interface
User's Manual

64-BIT

Robotic Arm Edge with USB PC Interface User's Manual

CONTENTS

4.HOW TO PLAY

5.TROUBLESHOOTING

Product Introduction

This kit allows your existing Robotic Arm Edge to communicate with your personal computer through the USB port.
It is compatible with Windows XP / Vista / 7 (**64-bit version)** operating system.
Software includes below functions:

●BASIC mode: Use your keyboard or mouse to have real time manual control of the arm.
●PROGRAM mode: Create, edit, load, or save programmable files.

It creates a fun way of learning and experimenting with your Robotic Arm Edge through your computer.

Warning

Caution

To prevent damage to the board, kindly avoid the following:

◆high humidity.
◆direct sunlight.
◆static electricity.
◆reach of small children.
◆liquid or flammable objects.

Never disassemble or reassemble the interface board as it may cause short circuit, injury or electric shock.

1.SET UP (For Windows XP 64-bit version)

1-1.Hardware and system requirements

OS : Windows XP(works only with 64-bit version)

CPU : Pentium3, 1.0GHz or higher

Memory : 256MB or higher

Hardware Disk Space : 100MB or more
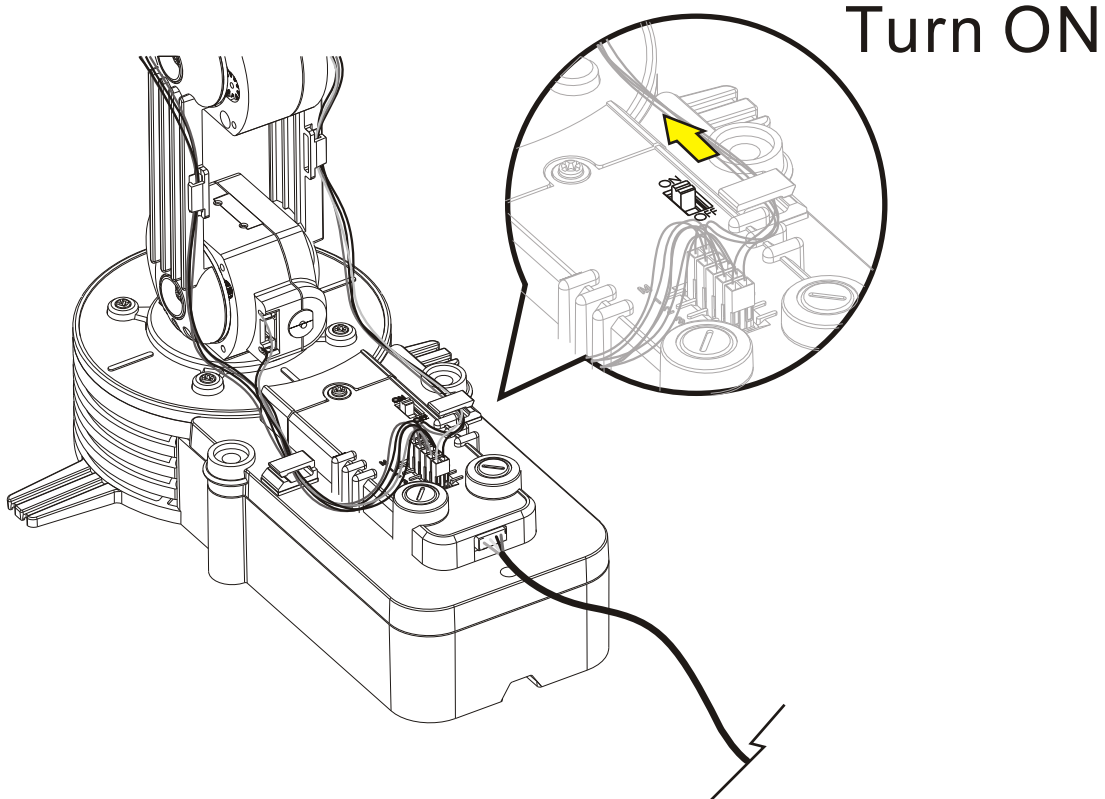
Display : Super VGA (800x600) or higher

Color monitor with high color 16-bit or higher

1-2.Install USB Driver and MAIN PROGRAM

A.Insert the disk into your CD-ROM drive.

B.Connect Robotic Arm Edge and PC with the USB cable.
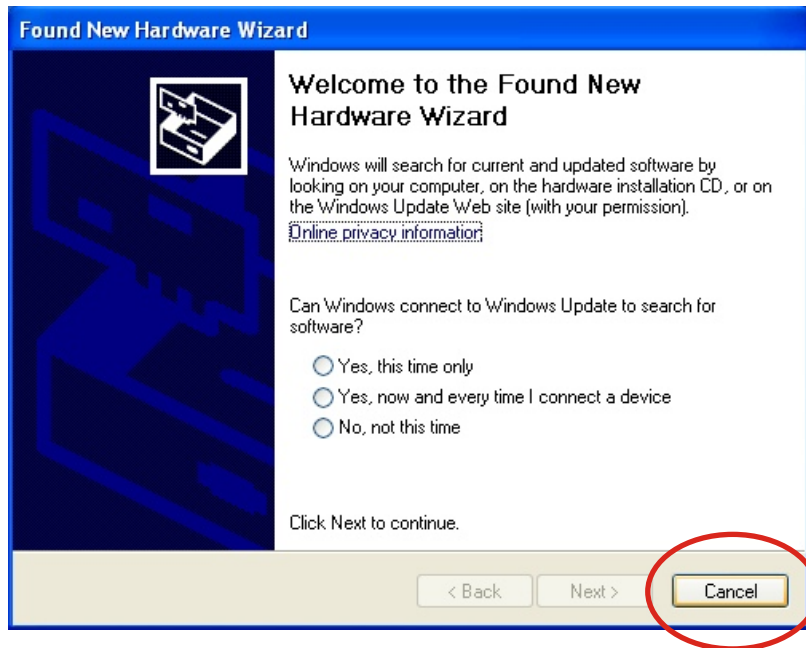
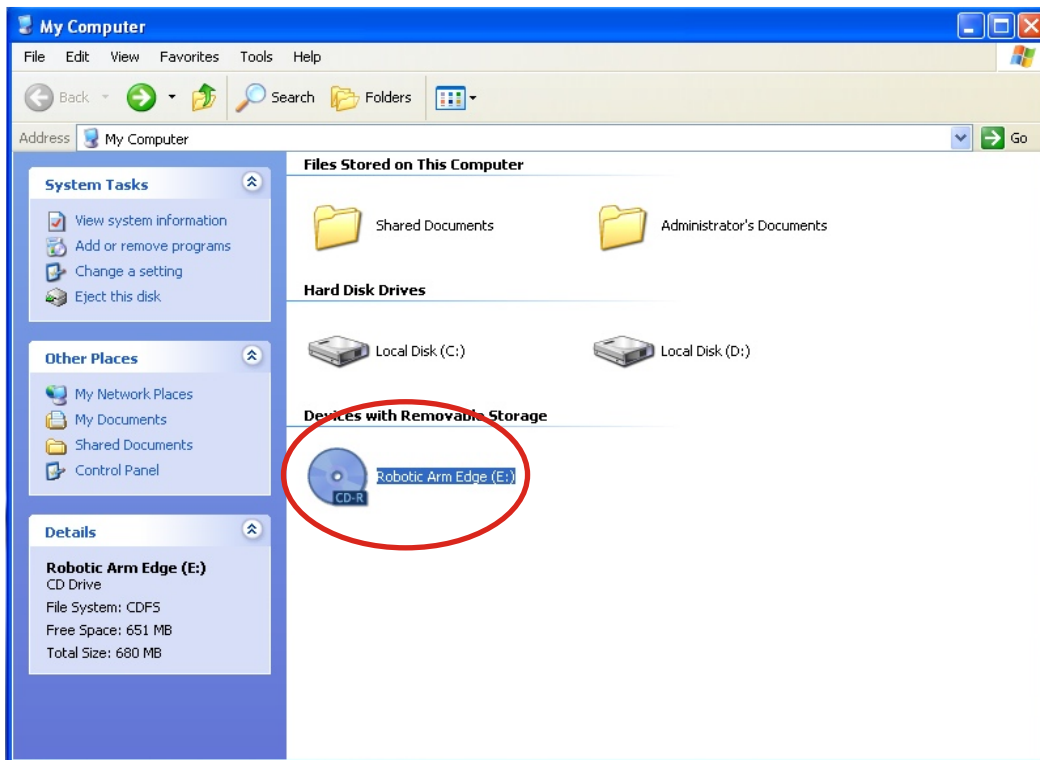C.Turn ON the Robotic Arm Edge.

Turn ON

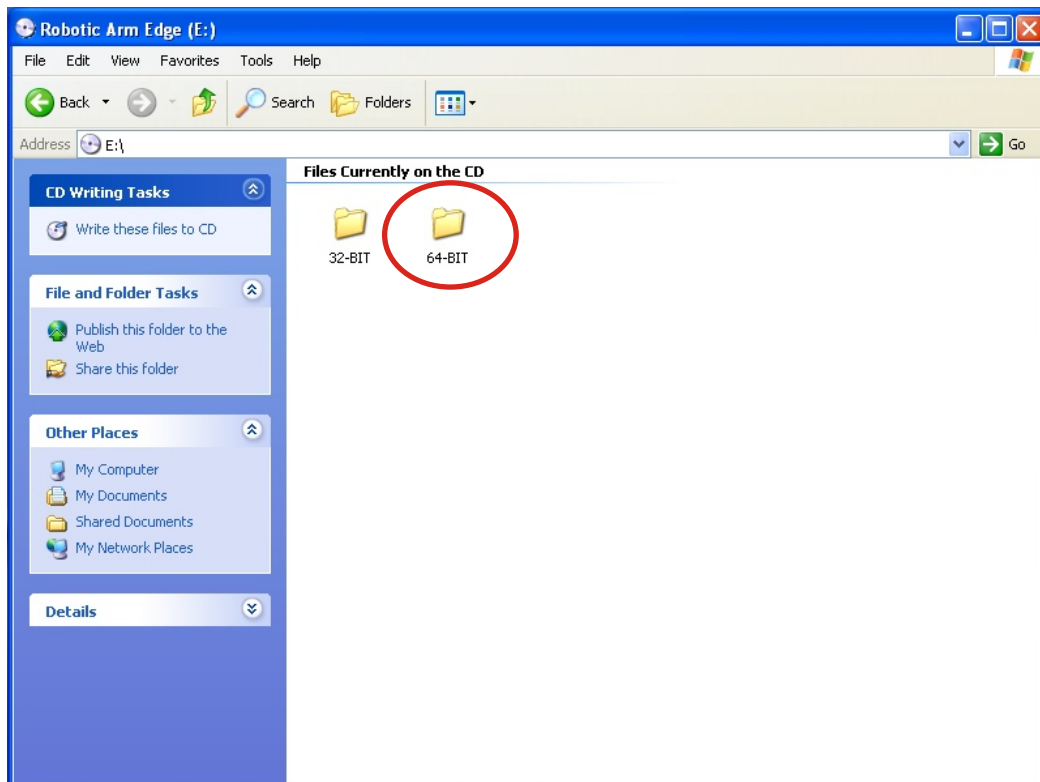## D.Install USB Driver.
Step1

Step2 Choose " Cancel ".

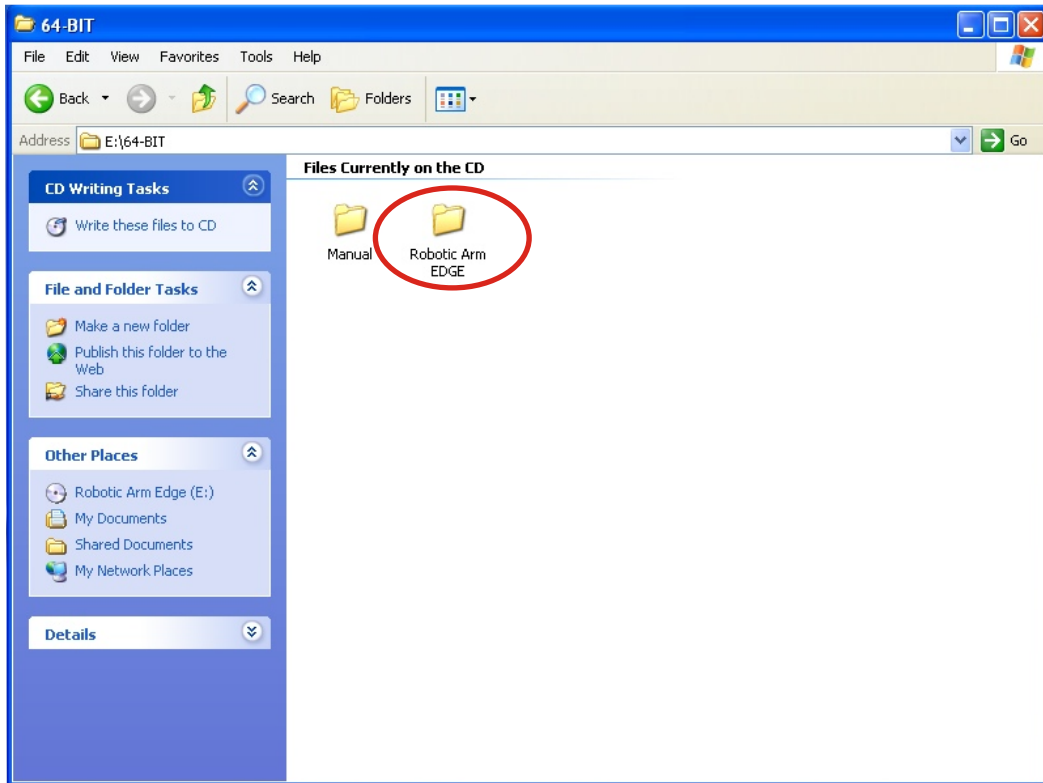
Step3 Choose " My Computer ".

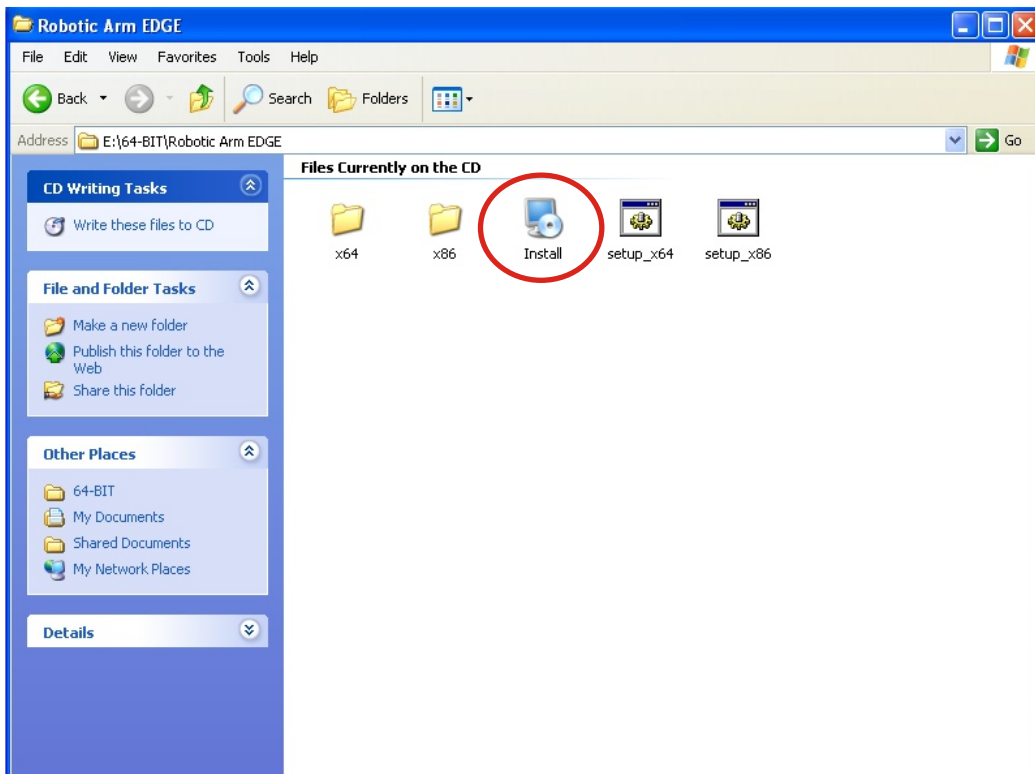**Step4 Click your CD-ROM icon.**

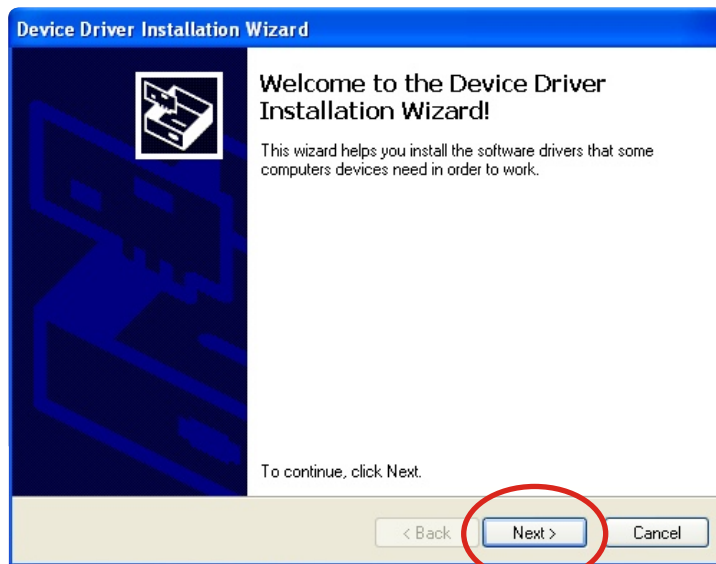**Step5 Choose " 64-BIT " folder.**

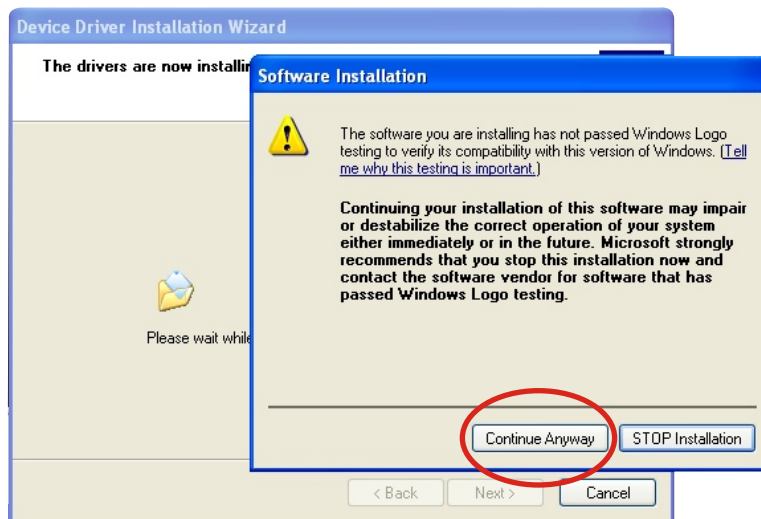**Step6 Choose " Robotic Arm EDGE " folder.**
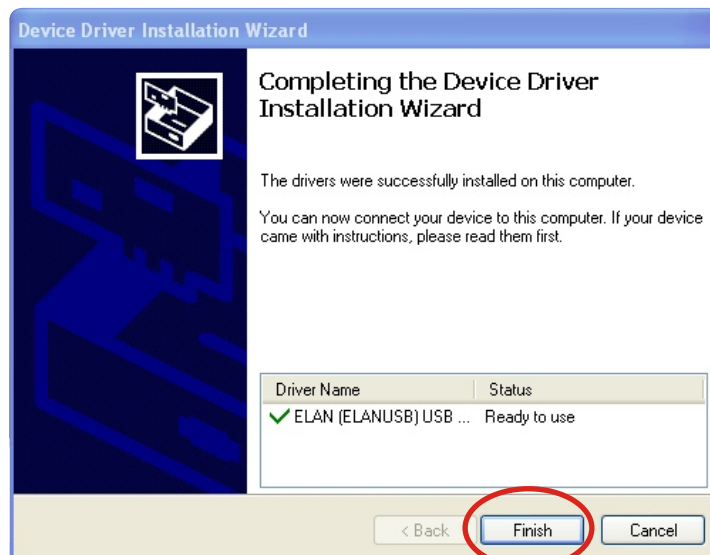

Step7 Click " Install " icon.
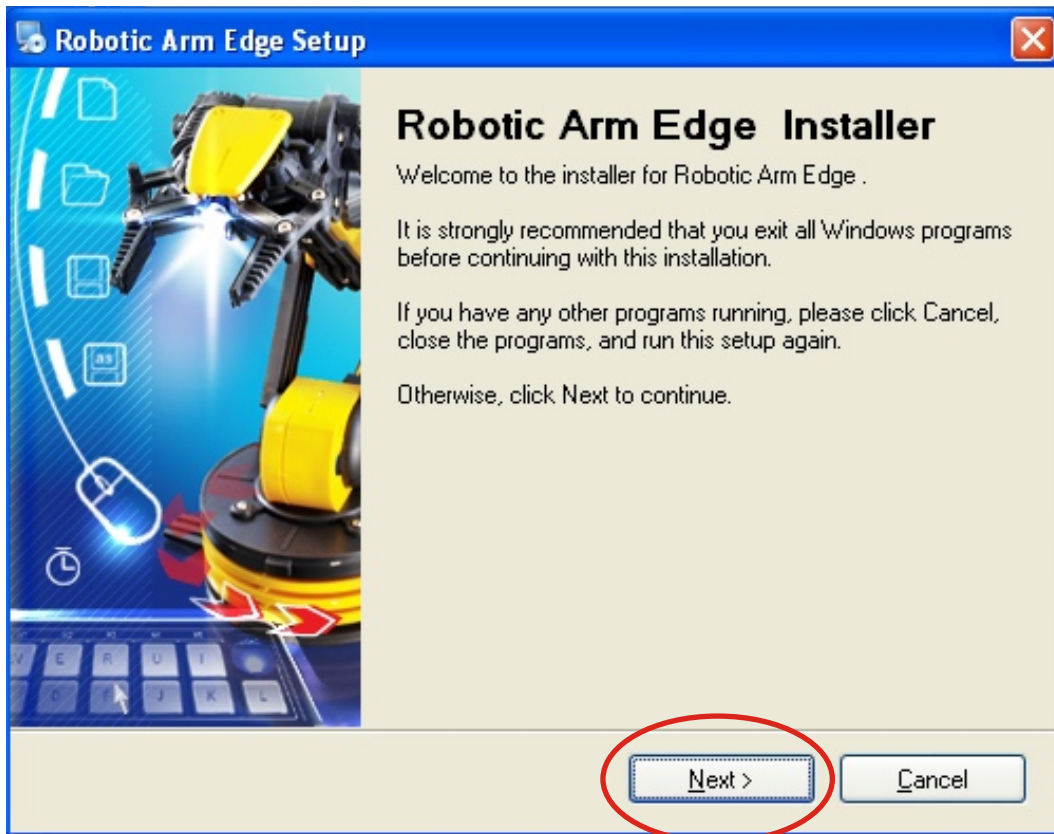
Step8 Click "Next" to continue.
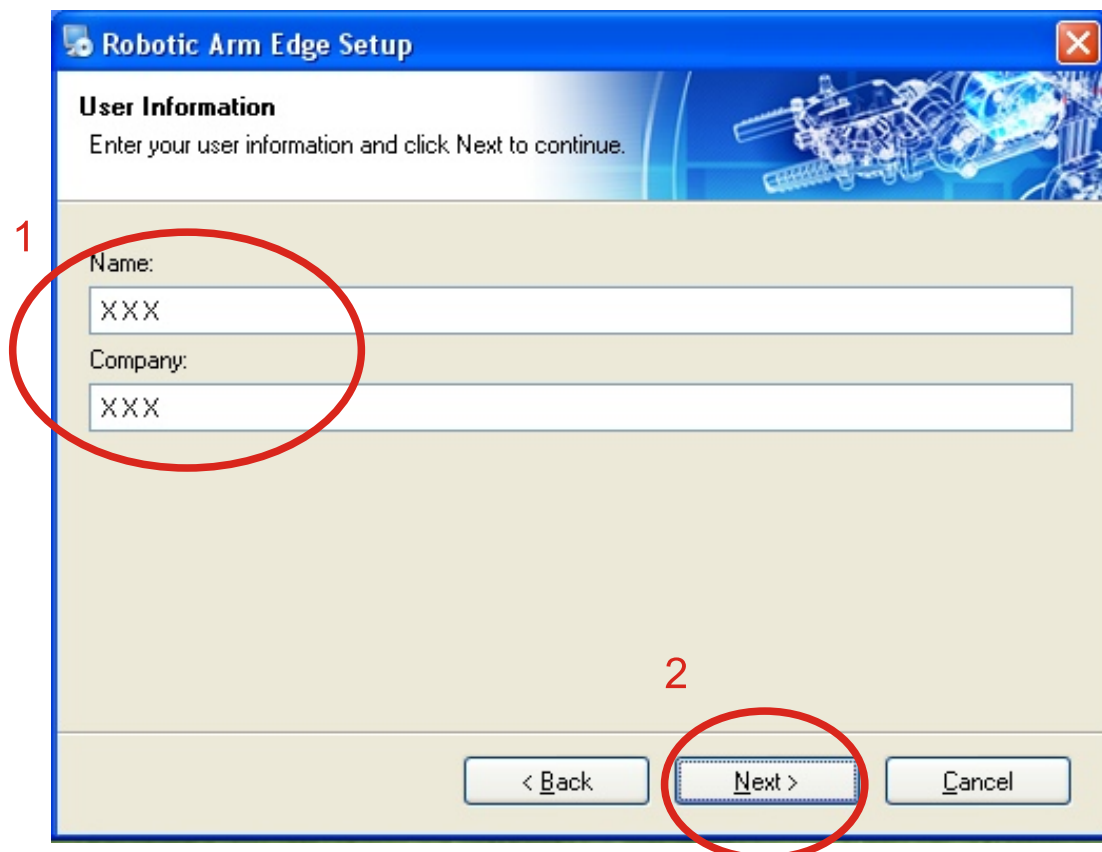

Step9 Click "Continue Anyway" .

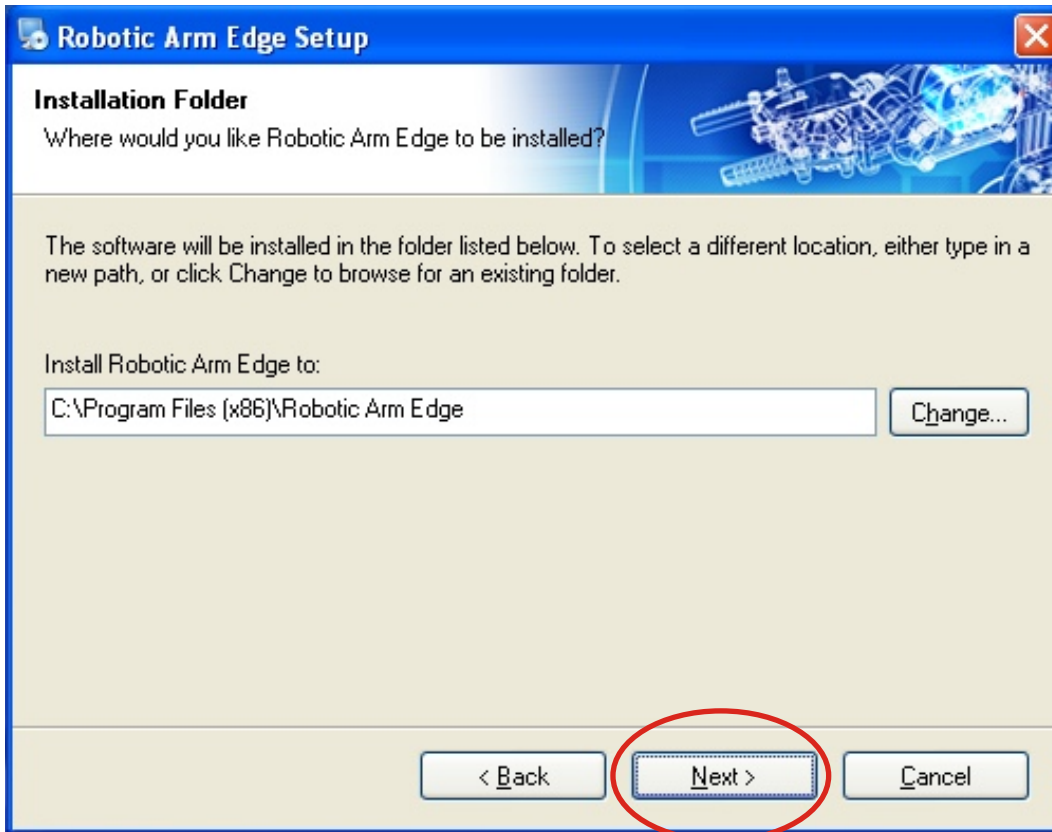

Step10 Finish USB DRIVER Install.
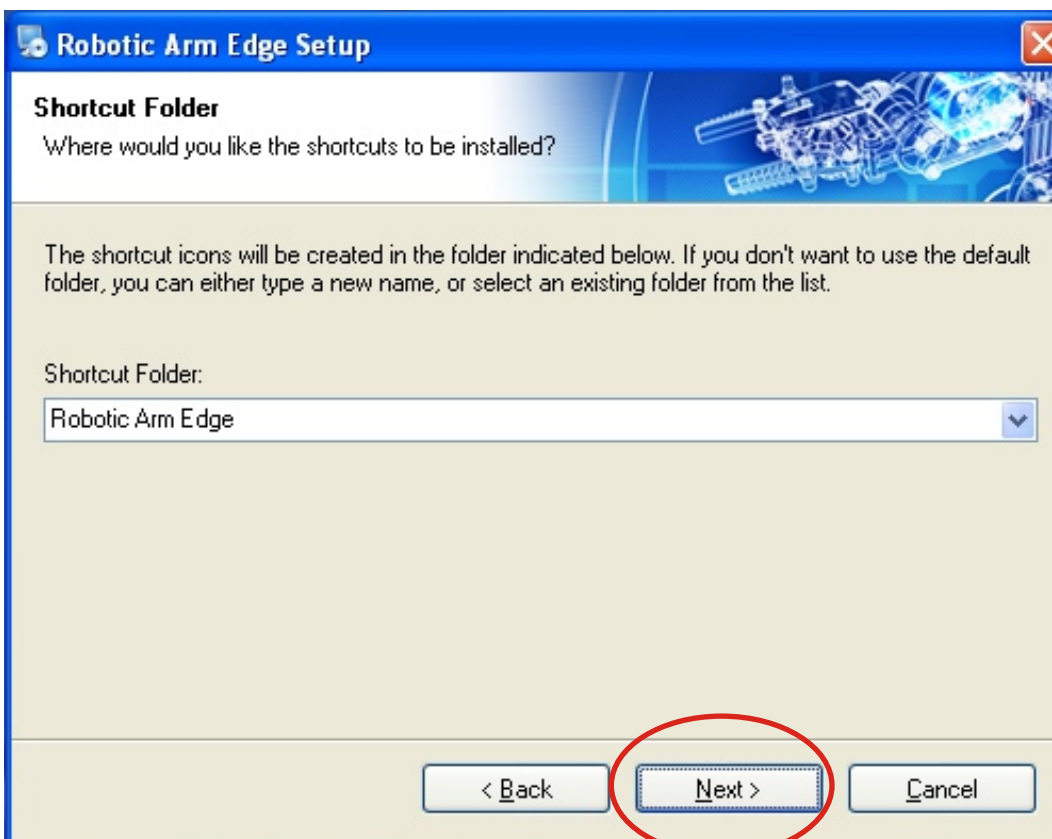
Step11 Click "Next" to continue.

Step12 Fill in your name or company and click "Next" to continue.

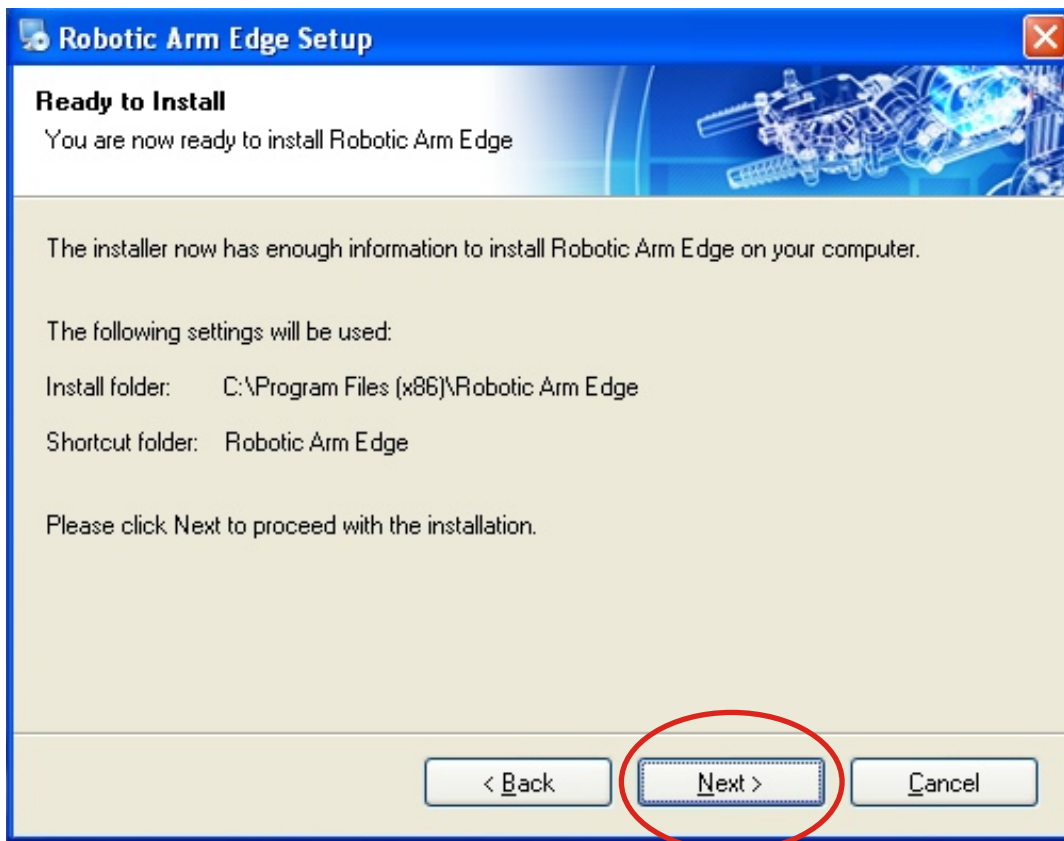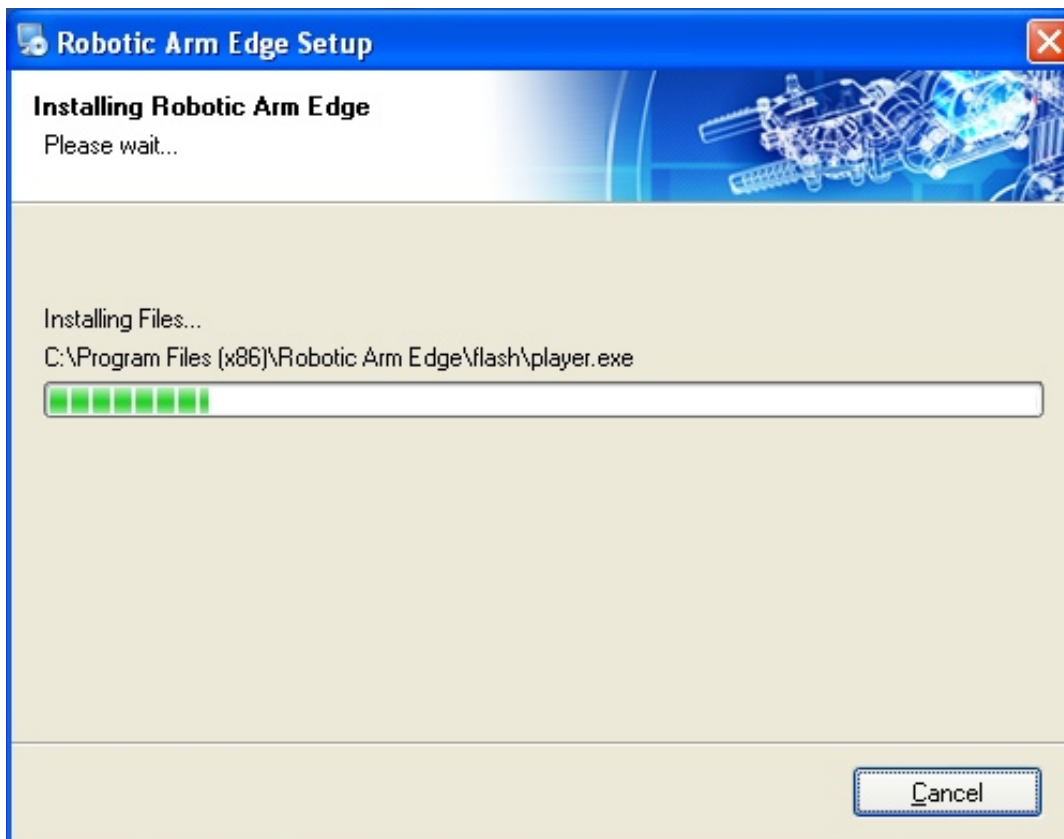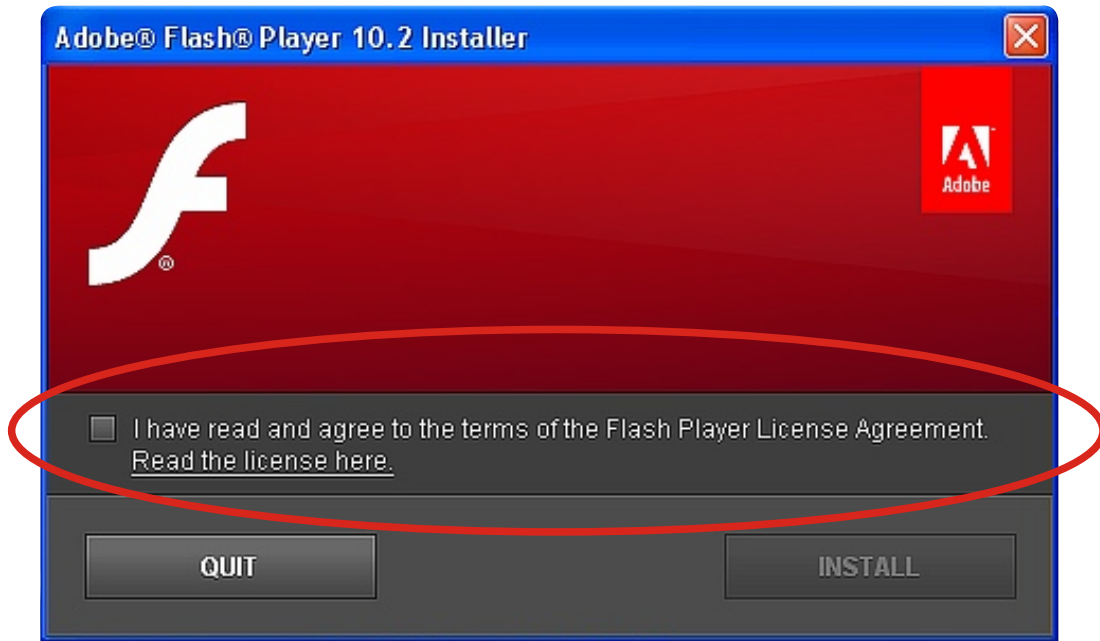Step13 Click "Next" to continue.

Step14 Click "Next" to continue.

Step15 Click "Next" to continue.

Robotic Arm Edge Setup

Ready to Install
You are now ready to install Robotic Arm Edge

The installer now has enough information to install Robotic Arm Edge on your computer.

The following settings will be used:

Install folder: C:\Program Files (x86)\Robotic Arm Edge

Shortcut folder: Robotic Arm Edge

Please click Next to proceed with the installation.

[< Back]   [Next >]   [Cancel]

Step16 Wait......

Robotic Arm Edge Setup

Installing Robotic Arm Edge
Please wait...

Installing Files...
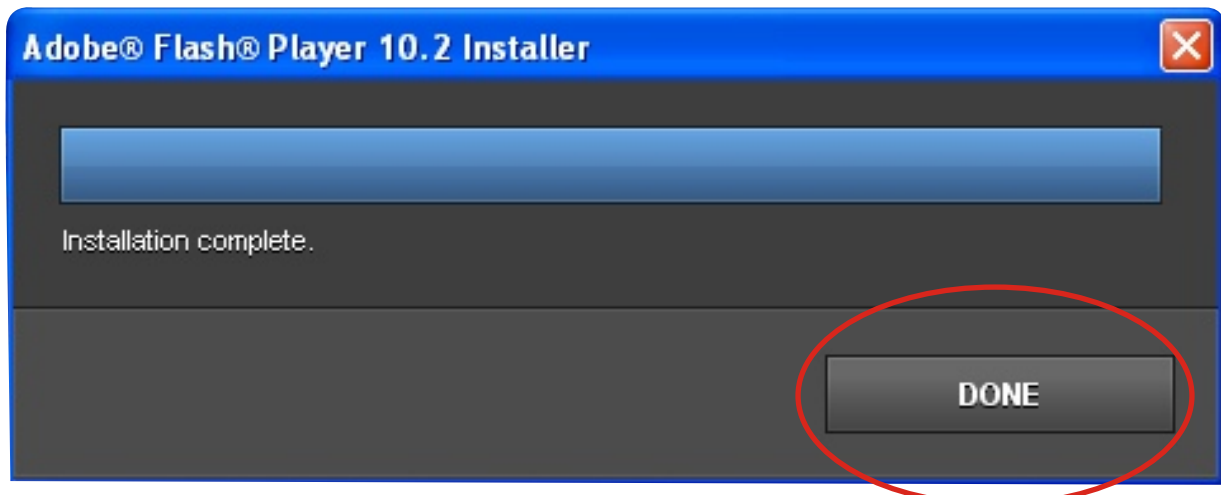C:\Program Files (x86)\Robotic Arm Edge\flash\player.exe

[Cancel]

Step17 Check the box " ☑ I have read and agree to the terms ...... ".

Step18 Click " INSTALL " to continue.

Step19　Click "Done" to continue.

Adobe® Flash® Player 10.2 Installer

Installation complete.

DONE

Step20　Finish setup.

Robotic Arm Edge Setup

Installation Successful

The Robotic Arm Edge installation is complete.

Thank you for choosing Robotic Arm Edge!

Please click Finish to exit this installer.

Finish

11
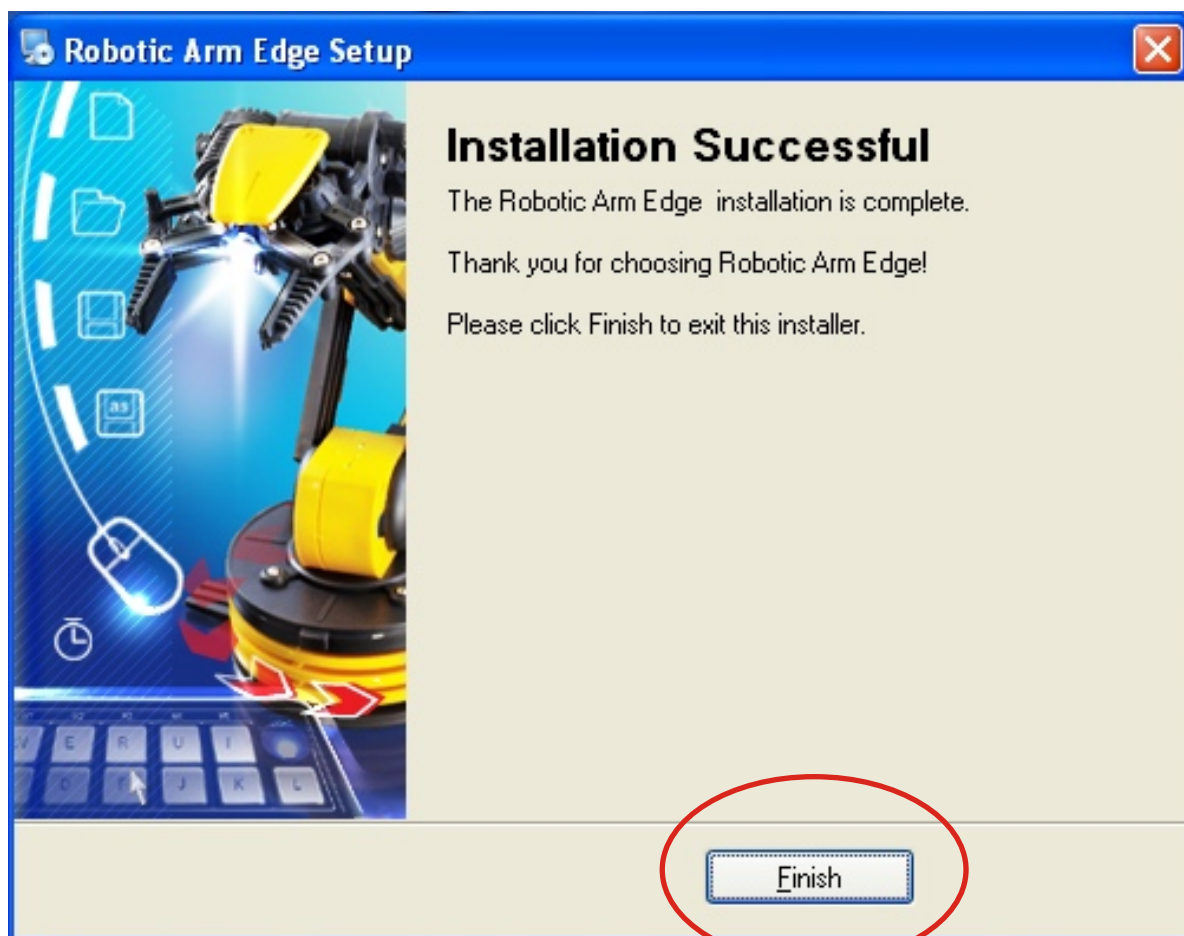
2.SET UP (For Windows VISTA 64-bit version)

2-1.Hardware and system requirements

OS : Windows VISTA(works only with 64-bit version)

CPU : Pentium3, 1.0GHz or higher

Memory : 256MB or higher

Hardware Disk Space : 100MB or more
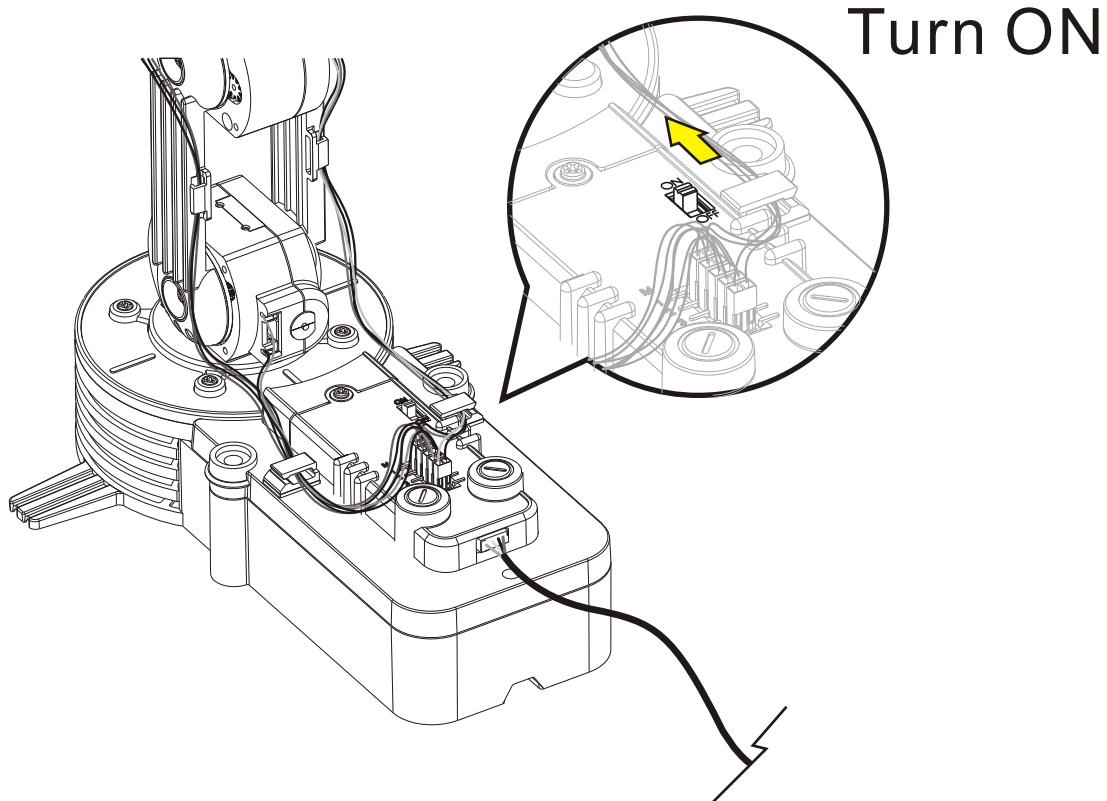
Display : Super VGA (800x600) or higher

Color monitor with high color 16-bit or higher

2-2.Install USB Driver and MAIN PROGRAM
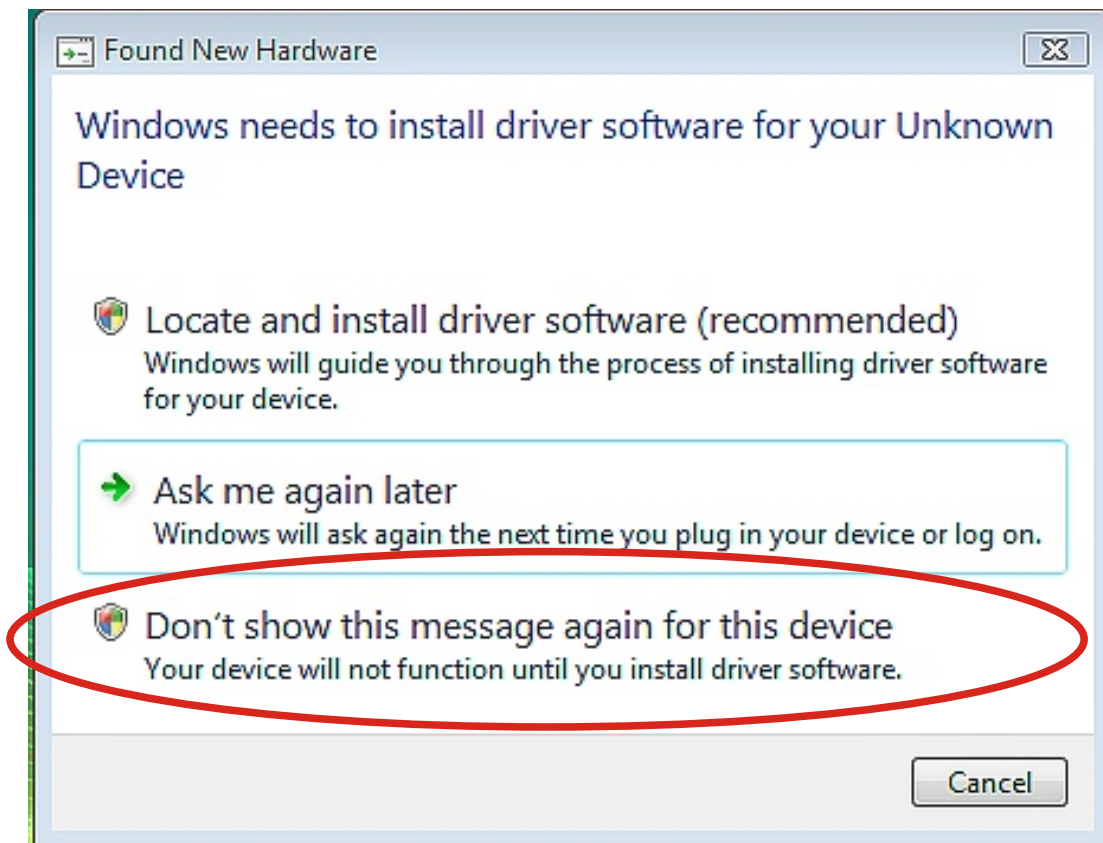
A.Insert the disk into your CD-ROM drive.

B.Connect Robotic Arm Edge and PC with the USB cable.
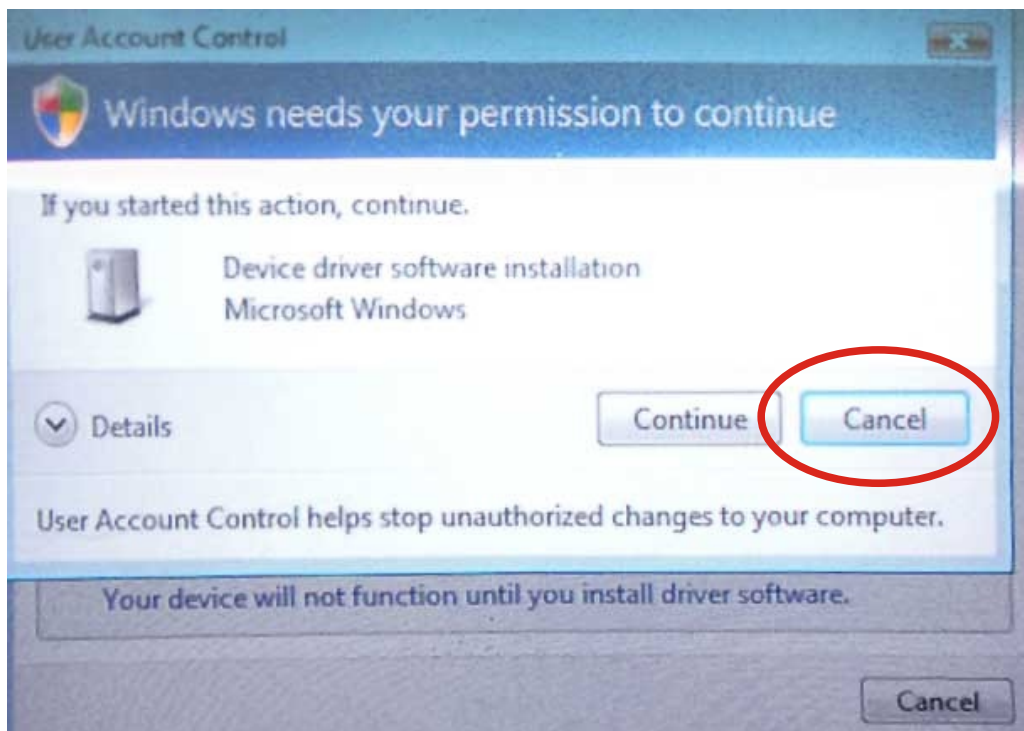
C.Turn ON the Robotic Arm Edge.

Turn ON
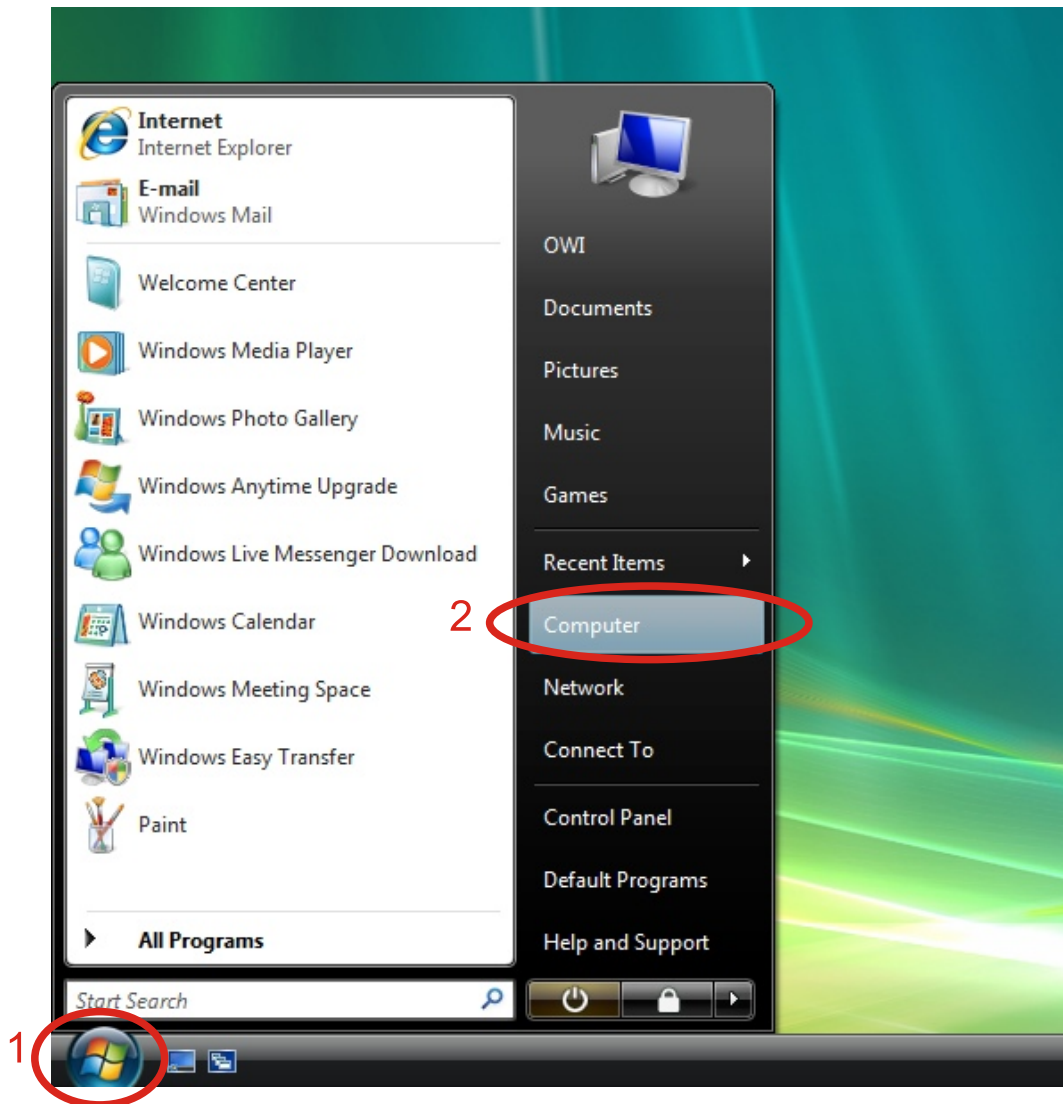
D.Install USB Driver.

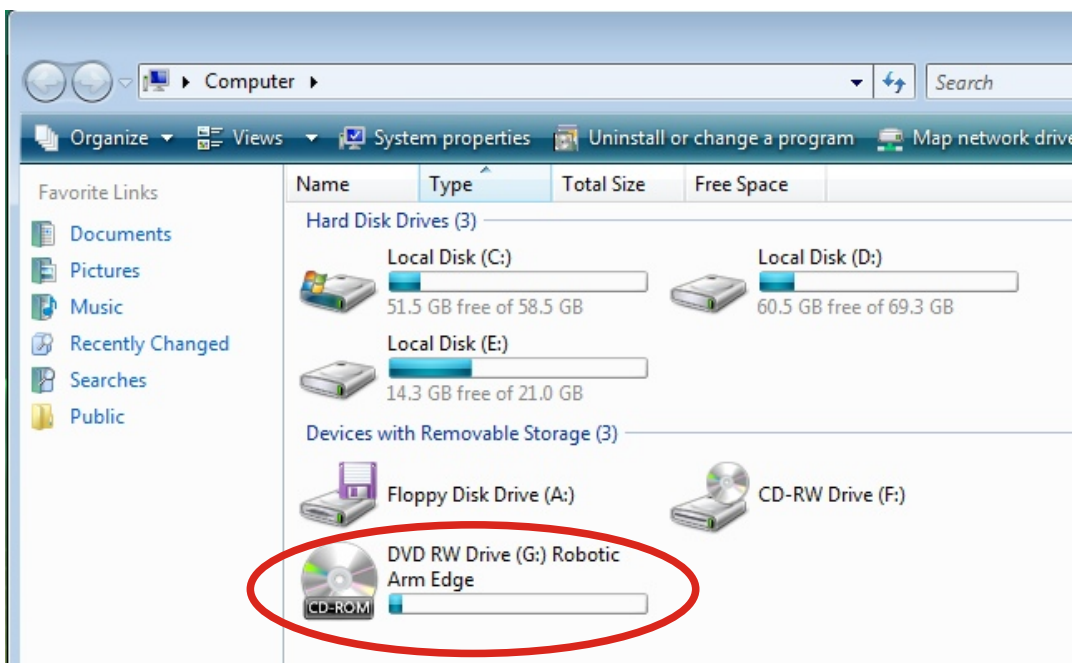Step1 Choose " Don't show this message again for this device. "
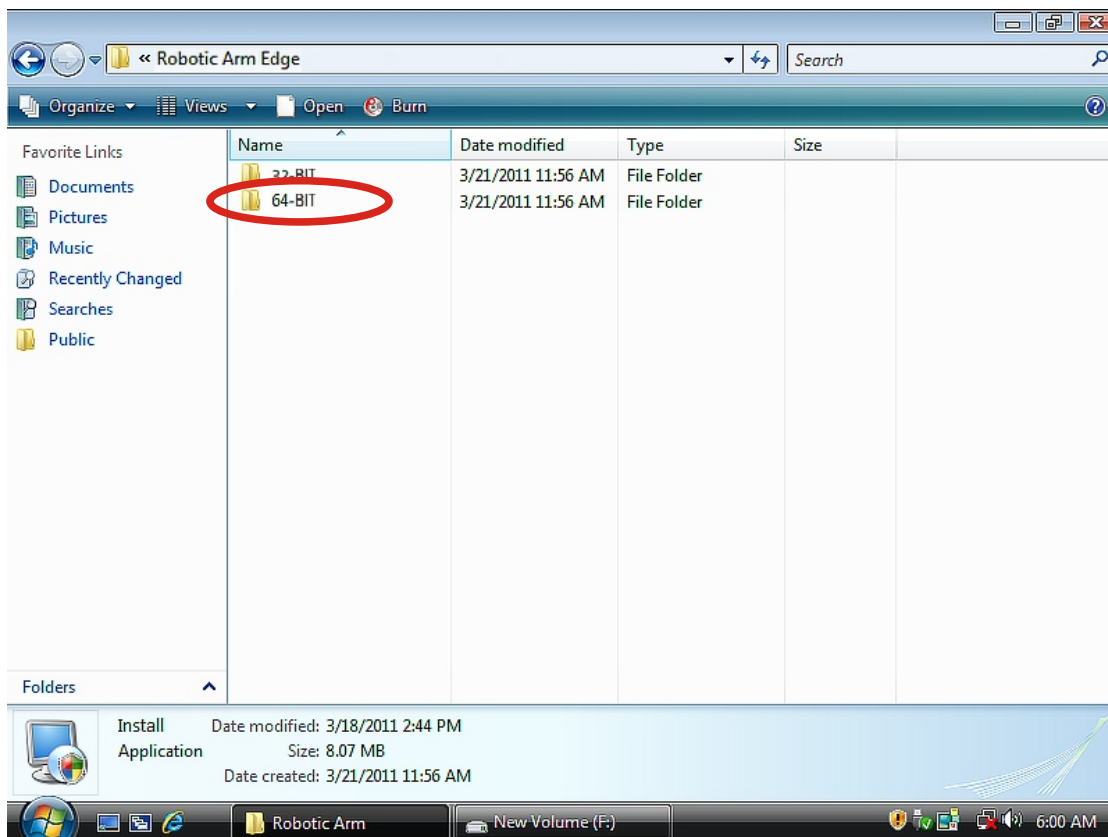

Step2 Click " Cancel " to go next.

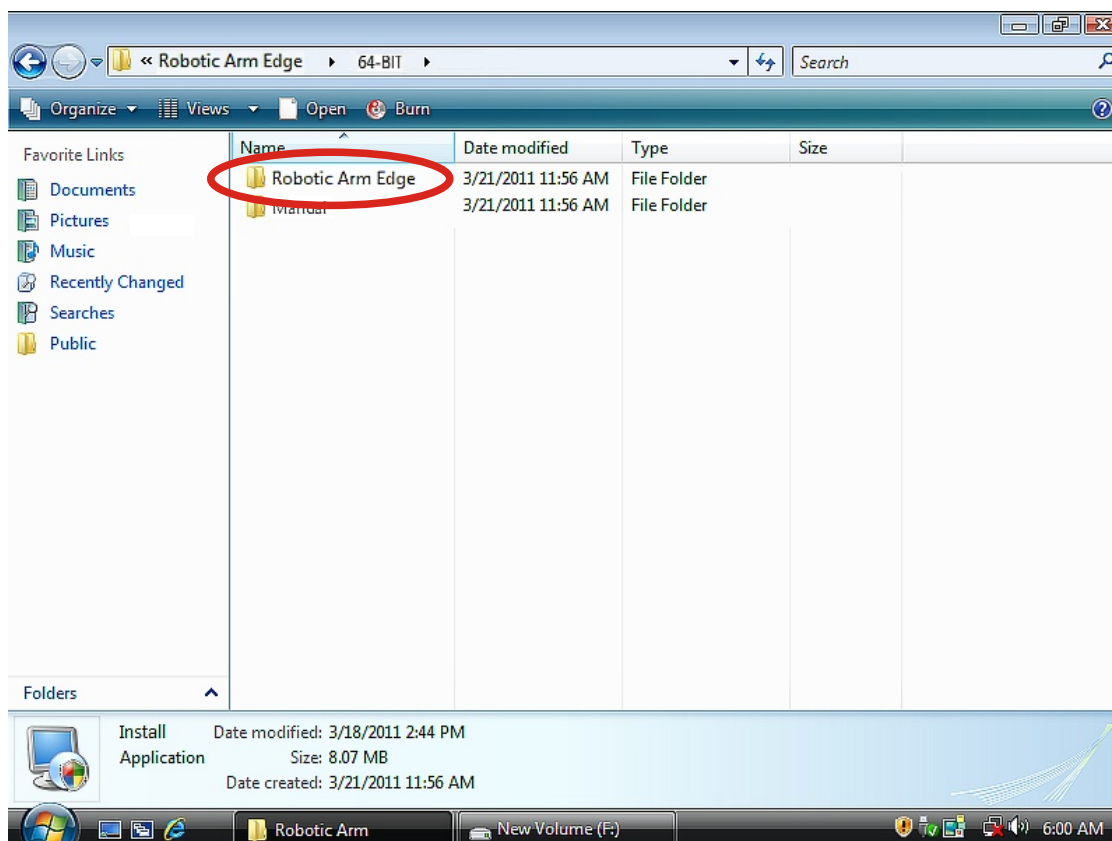**Step3 Go to " Computer " choice.**

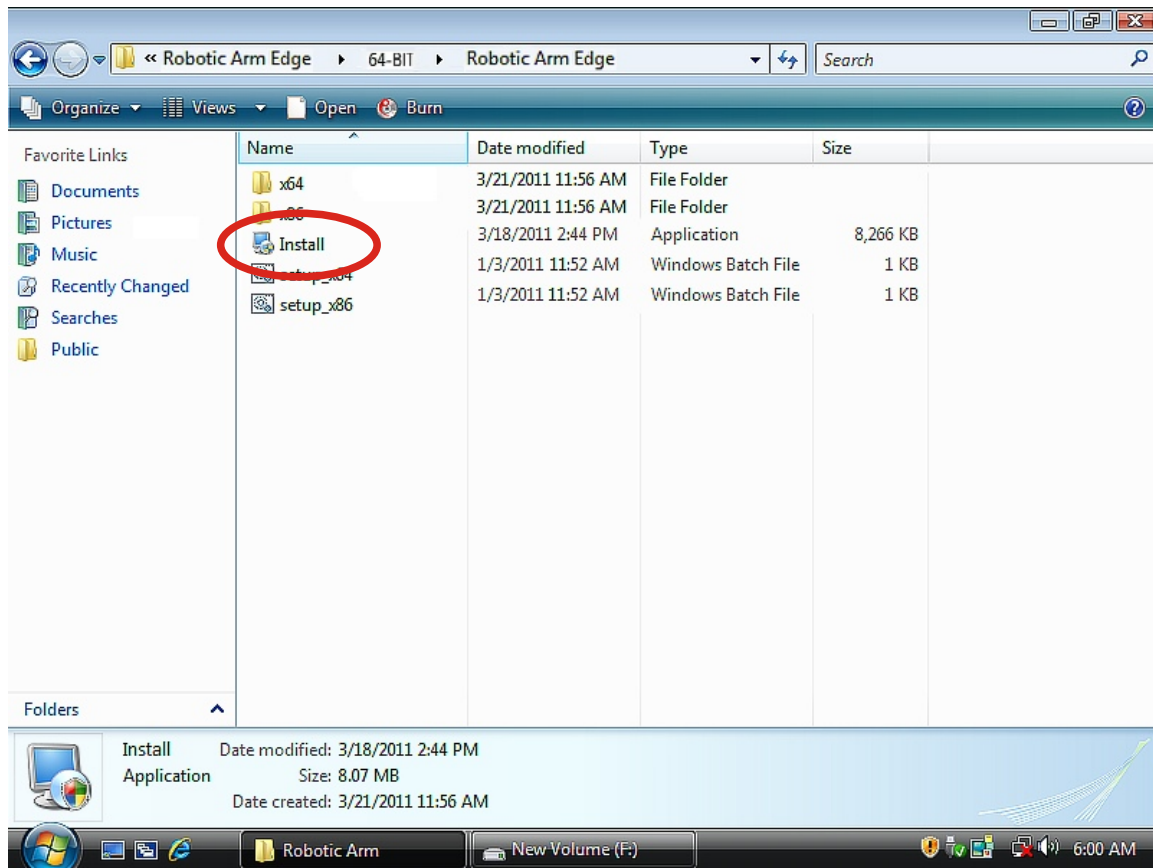**Step4 Click your CD-ROM icon.**
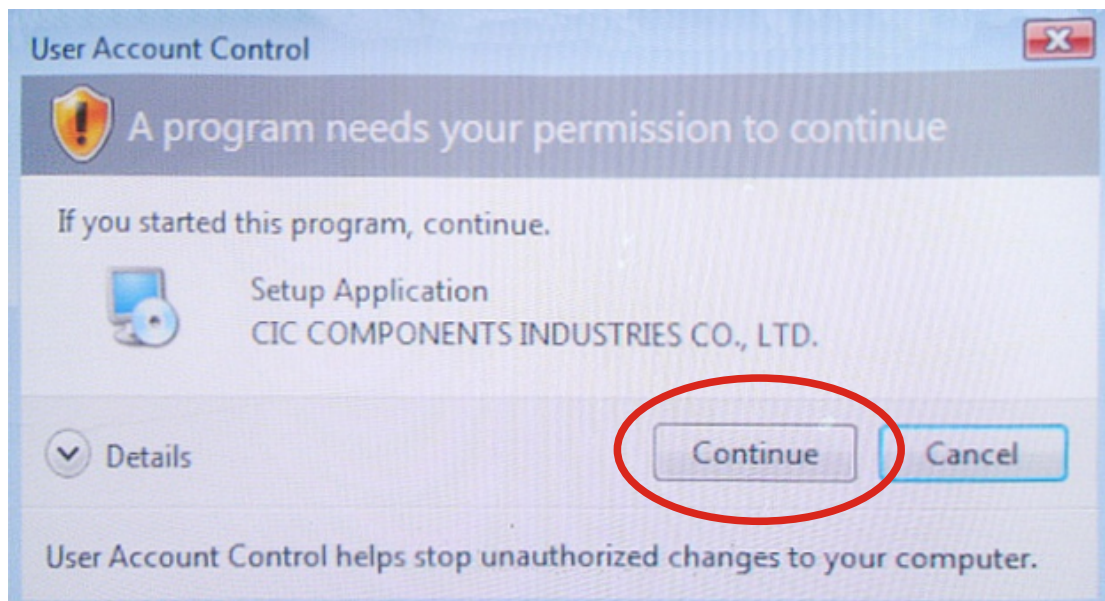
Step5 Choose ” 64-BIT ” folder.

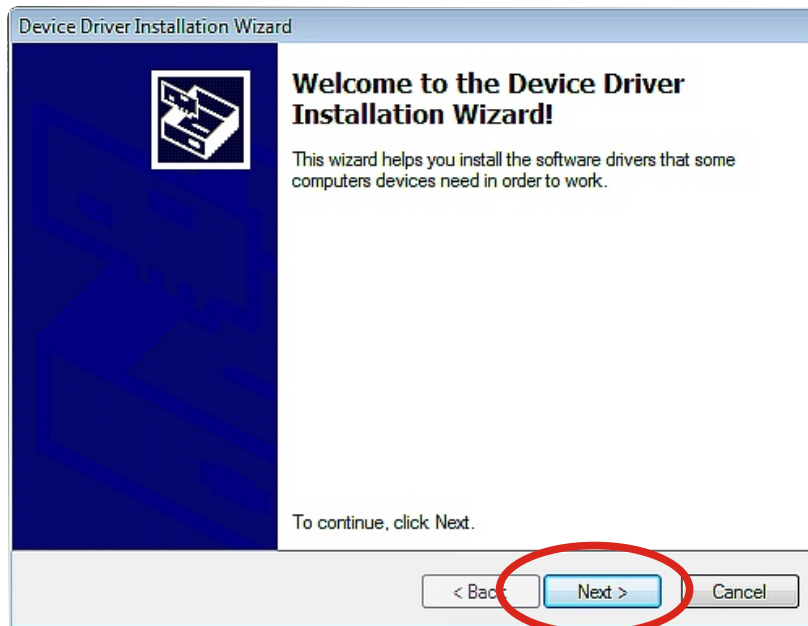

Step6 Choose ” Robotic Arm Edge ”.

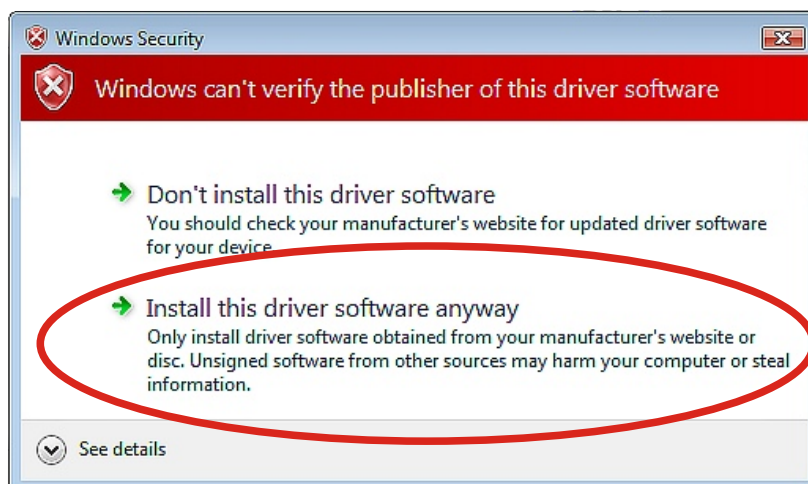Step7 Click "Install" icon.

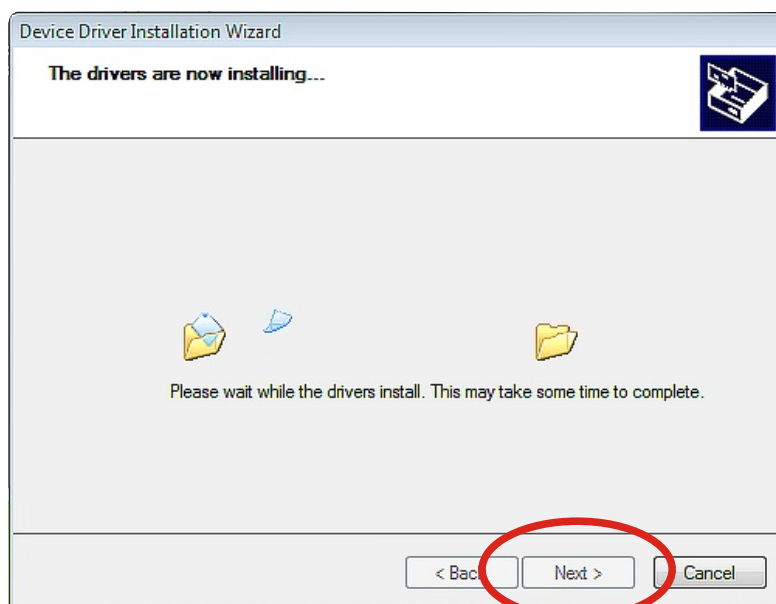Step8 Click "Continue" to continue.
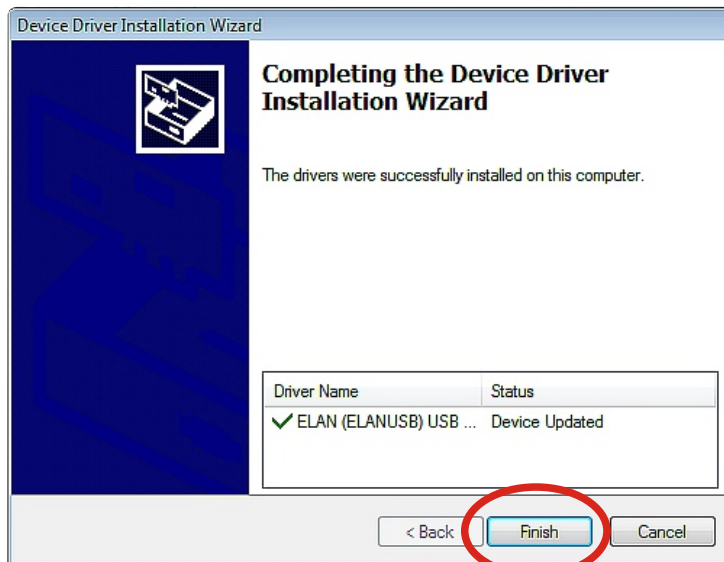
Step9 Click " Next " to continue.

Step10 Click " Install this driver software anyway " to continue.
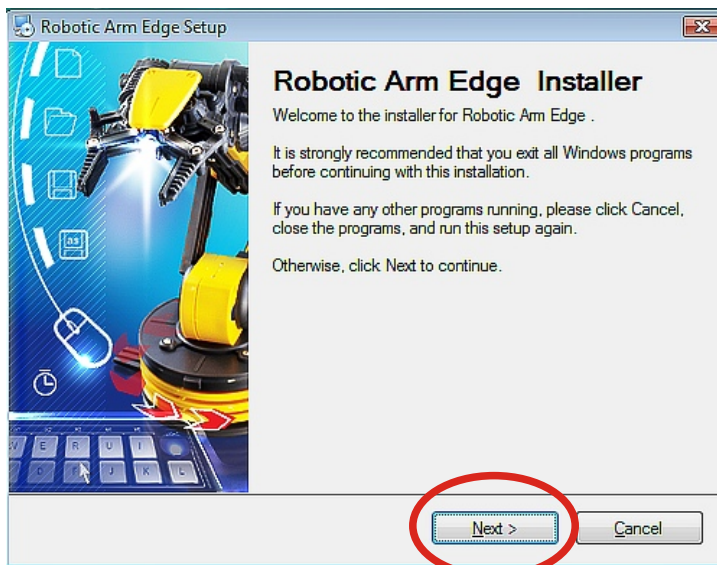

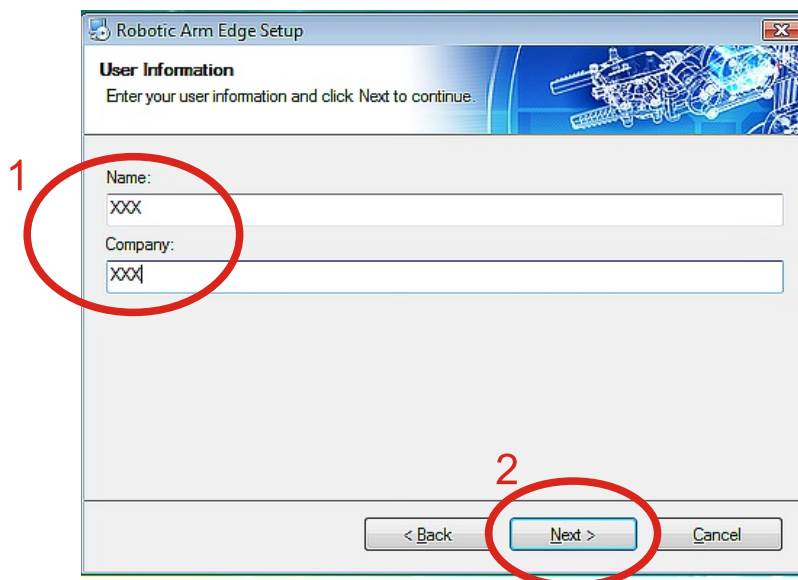**Step11 Click " Next " to continue.**
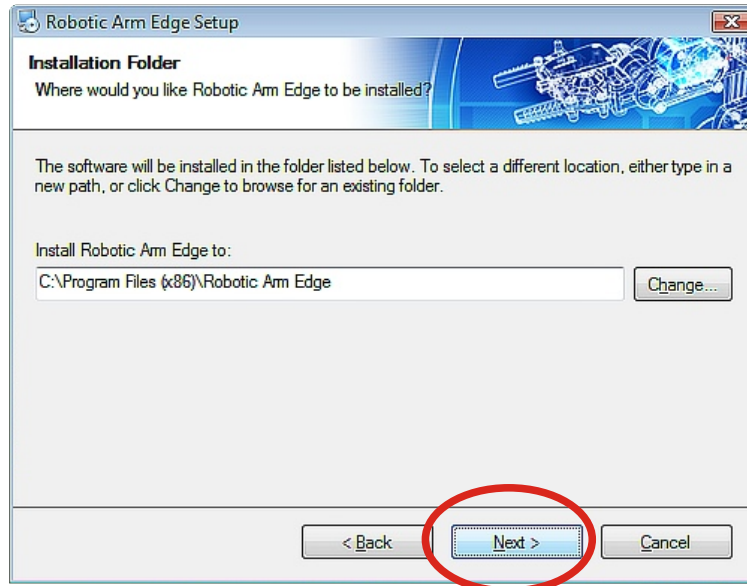
Step12 Click " Finish " to continue.

Step13 Click " Next " to continue.

Step14 Fill in your name or company and click "Next" to continue.
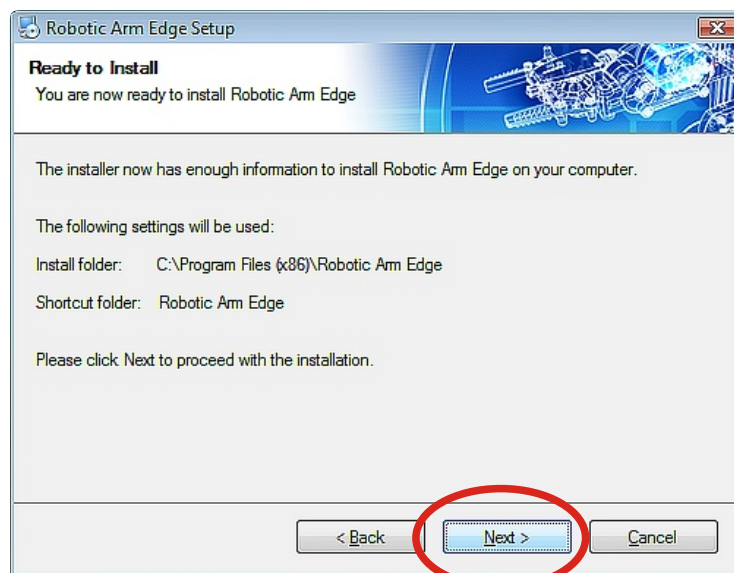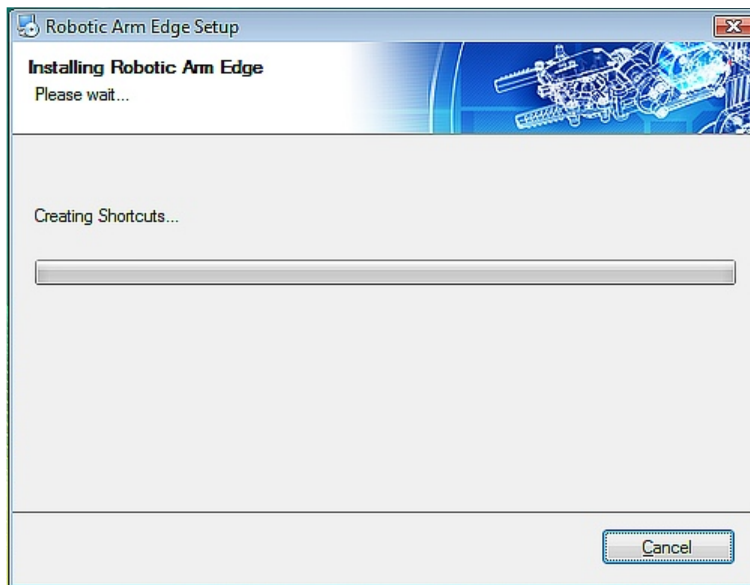
Step15 Click " Next " to continue.

Robotic Arm Edge Setup

Installation Folder
Where would you like Robotic Arm Edge to be installed?

The software will be installed in the folder listed below. To select a different location, either type in a new path, or click Change to browse for an existing folder.

Install Robotic Arm Edge to:

C:\Program Files (x86)\Robotic Arm Edge   [Change...]

[< Back]   [Next >]   [Cancel]

Step16 Click " Next " to continue.

Robotic Arm Edge Setup

Shortcut Folder
Where would you like the shortcuts to be installed?

The shortcut icons will be created in the folder indicated below. If you don't want to use the default folder, you can either type a new name, or select an existing folder from the list.

Shortcut Folder:

Robotic Arm Edge

[< Back]   [Next >]   [Cancel]

Step17 Click " Next " to continue.

Robotic Arm Edge Setup

Ready to Install
You are now ready to install Robotic Arm Edge

The installer now has enough information to install Robotic Arm Edge on your computer.

The following settings will be used:

Install folder: C:\Program Files (x86)\Robotic Arm Edge

Shortcut folder: Robotic Arm Edge

Please click Next to proceed with the installation.

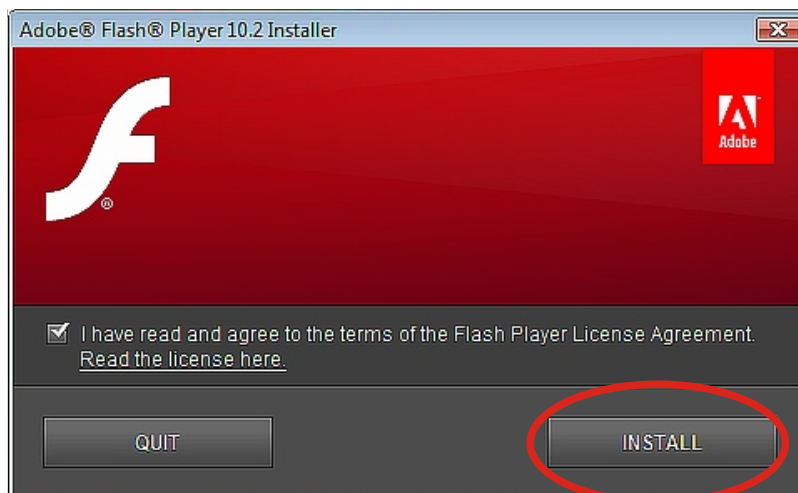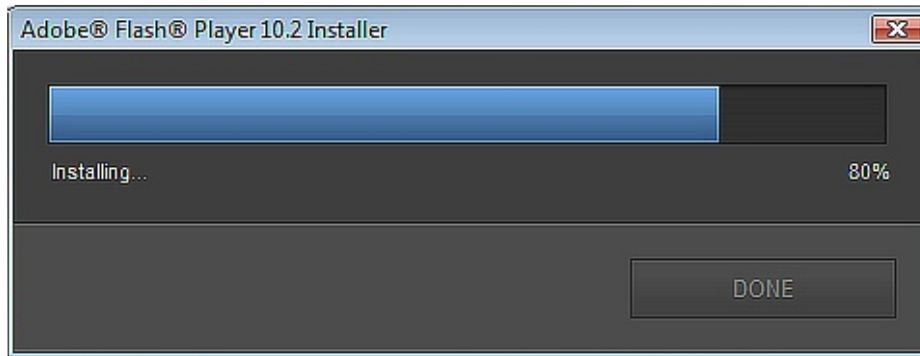[< Back]   [Next >]   [Cancel]

Step18 Wait......

Step19 Check the box " ☑ I have read and agree to the terms of ...... " to continue.
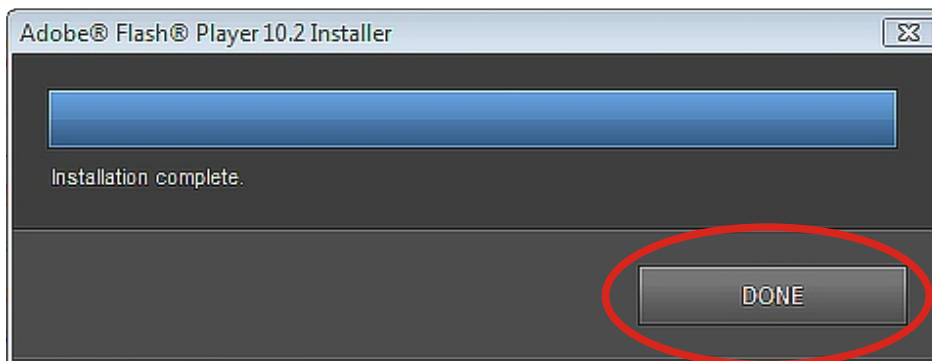

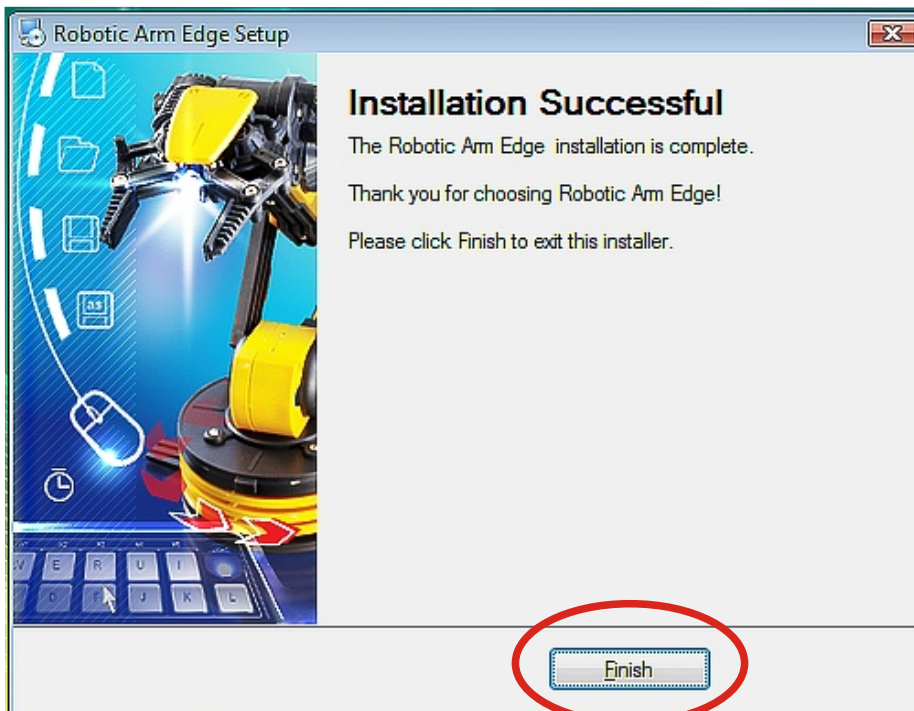Step20 Click " INSTALL " to continue.

Step21 Wait.......

Step22 Click " DONE " to continue.

Step23 Finish setup.

3.SET UP (For Windows 7 64-bit version)

3-1.Hardware and system requirements

OS : Windows 7 (works only with 64-bit version)

CPU : Pentium3, 1.0GHz or higher

Memory : 256MB or higher

Hardware Disk Space : 100MB or more

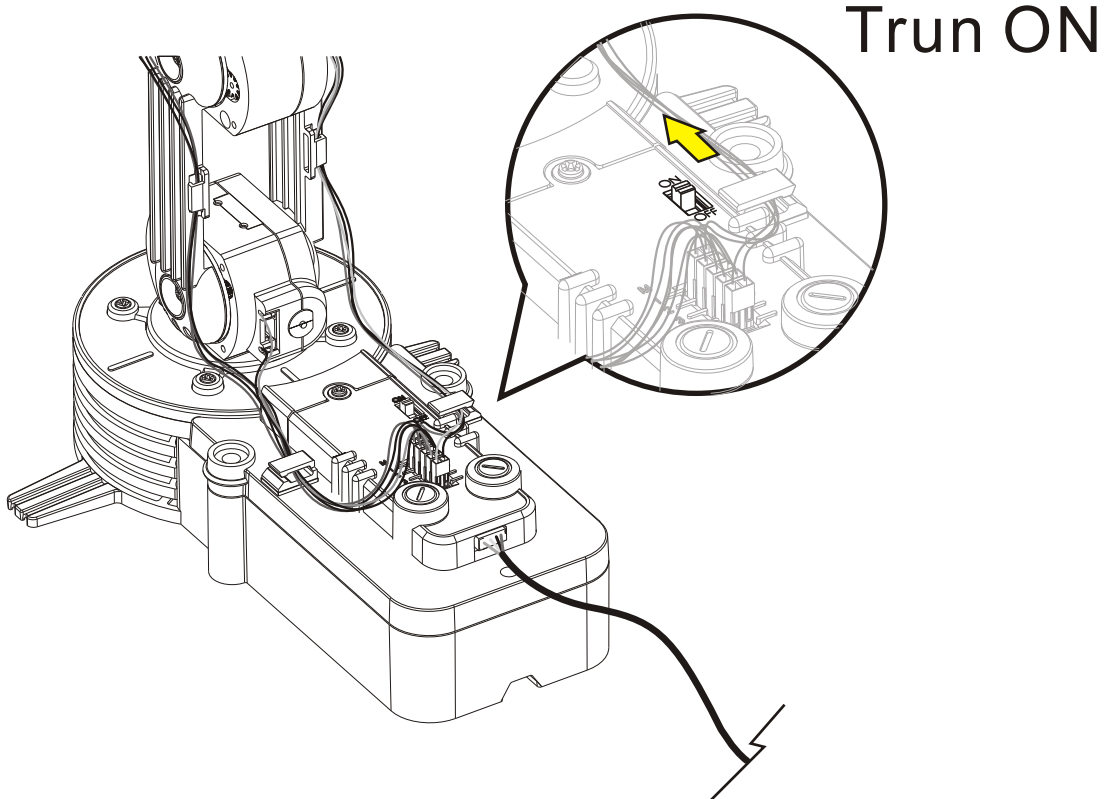Display : Super VGA (800x600) or higher

Color monitor with high color 16-bit or higher

3-2.Install USB Driver and MAIN PROGRAM

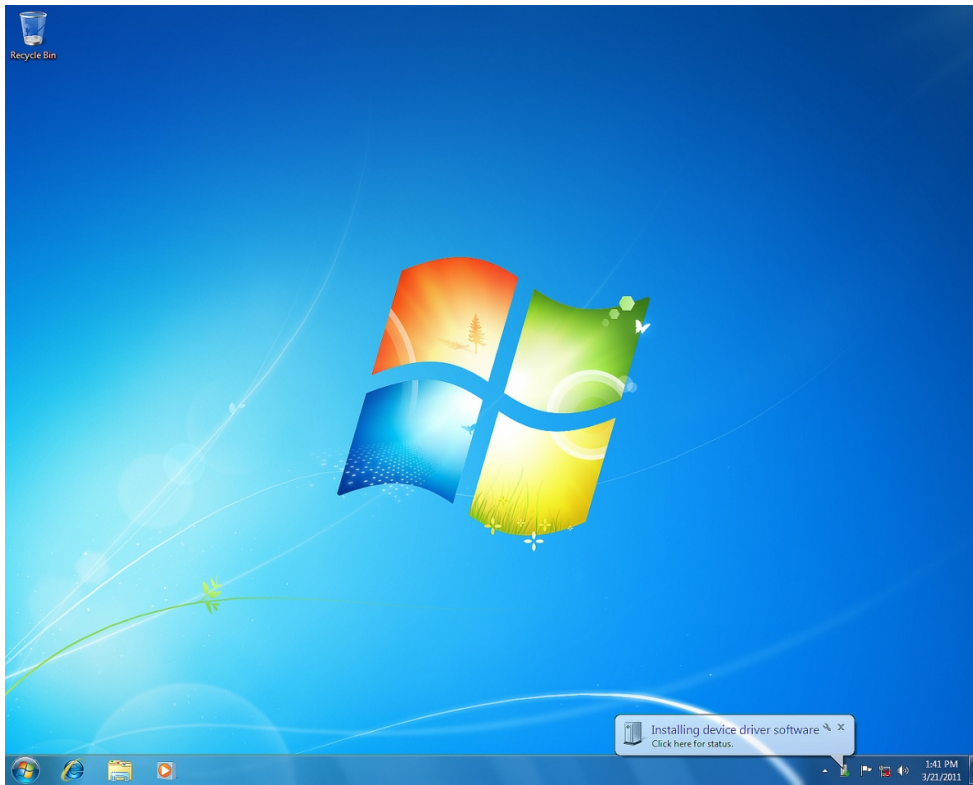A.Insert the disk into your CD-ROM drive.

B.Connect Robotic Arm Edge and PC with the USB cable.
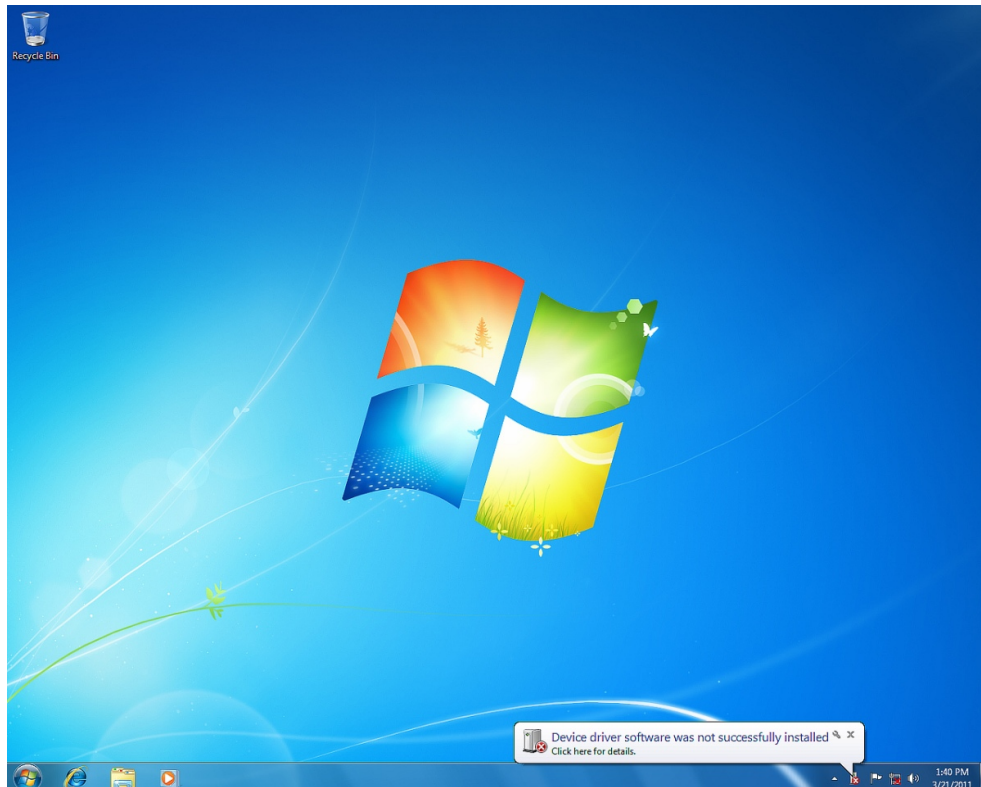
C.Turn ON the Robotic Arm Edge.
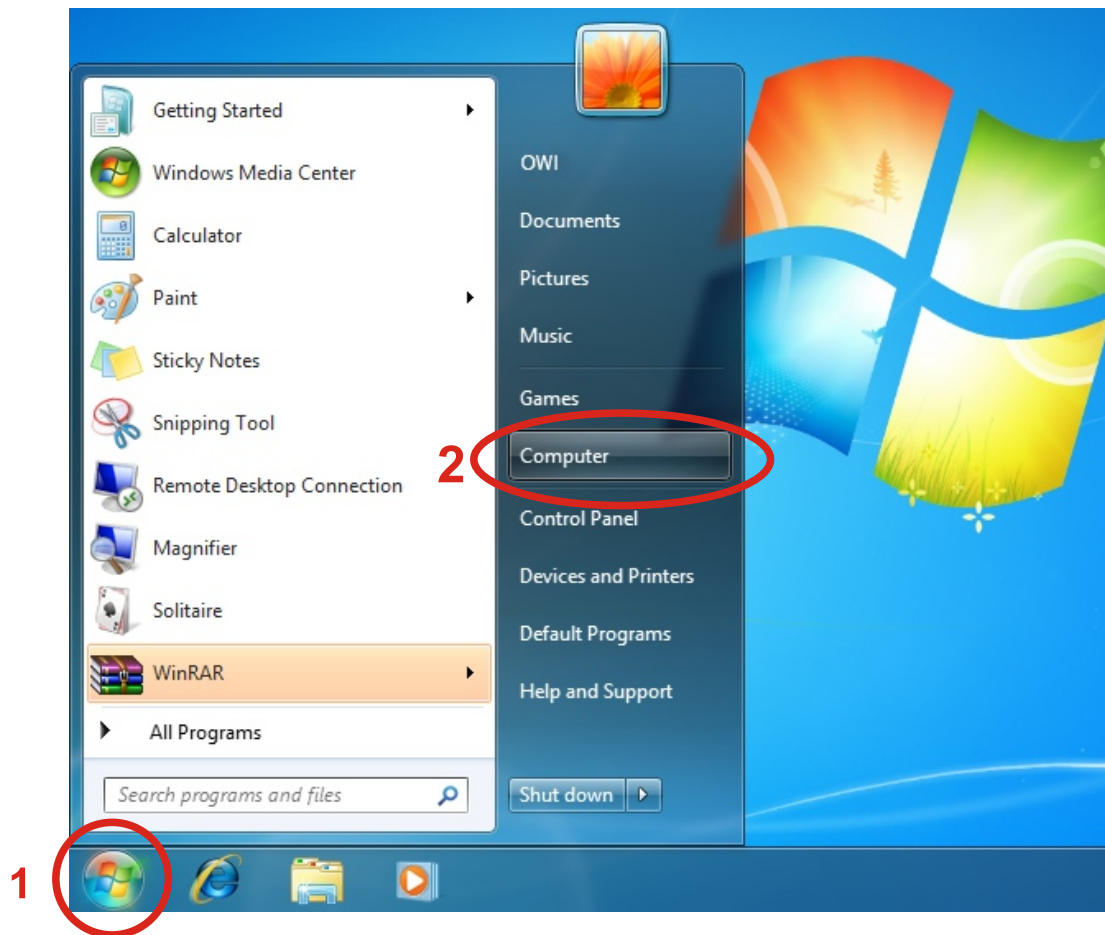
Trun ON

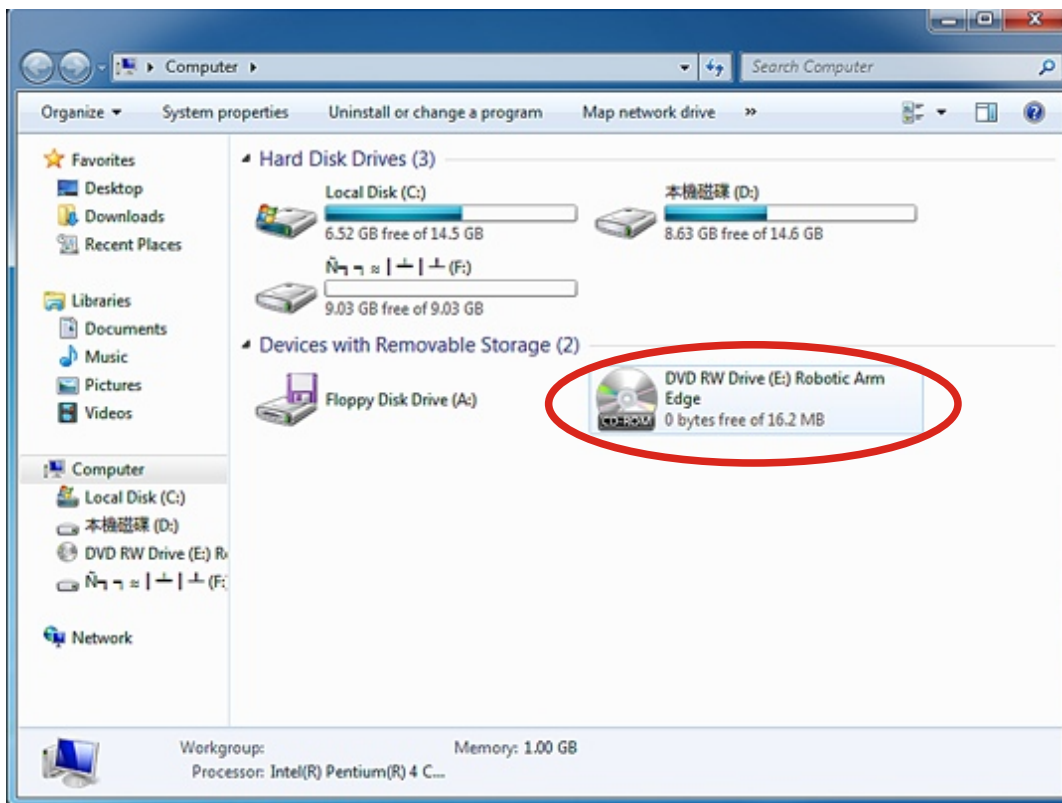## D. Install USB Driver.

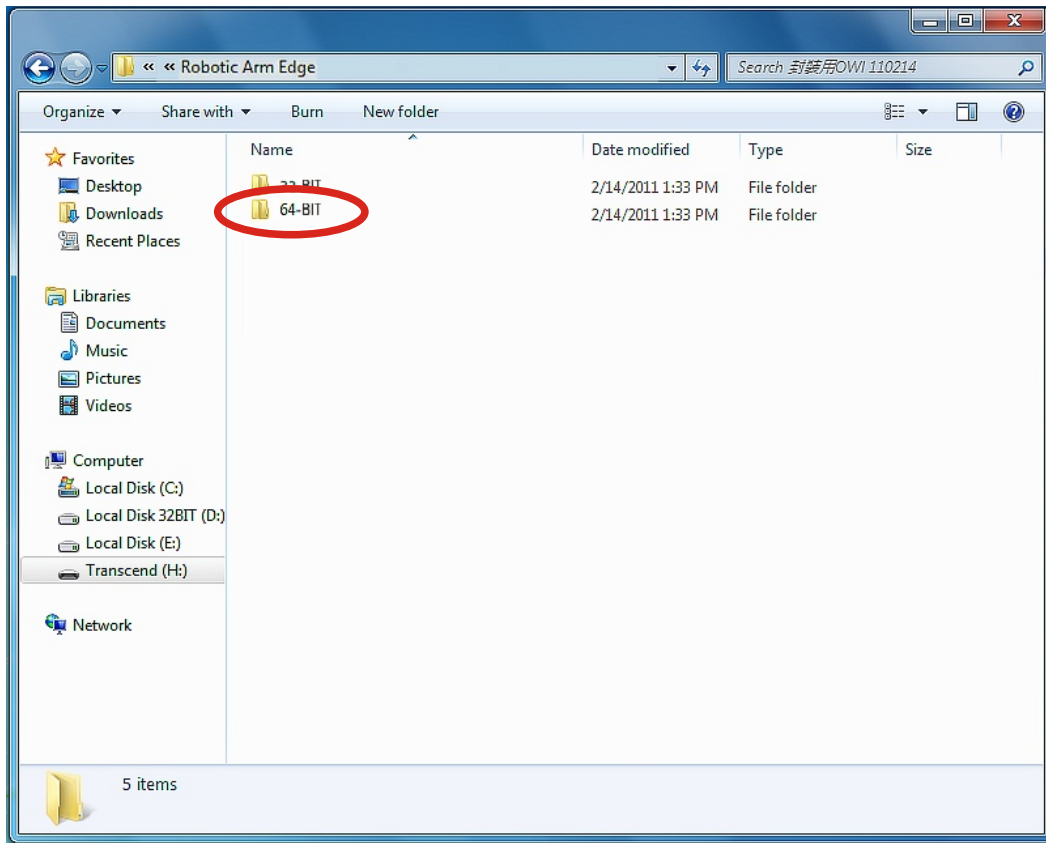### Step1 Wait......

Step2 Wait......
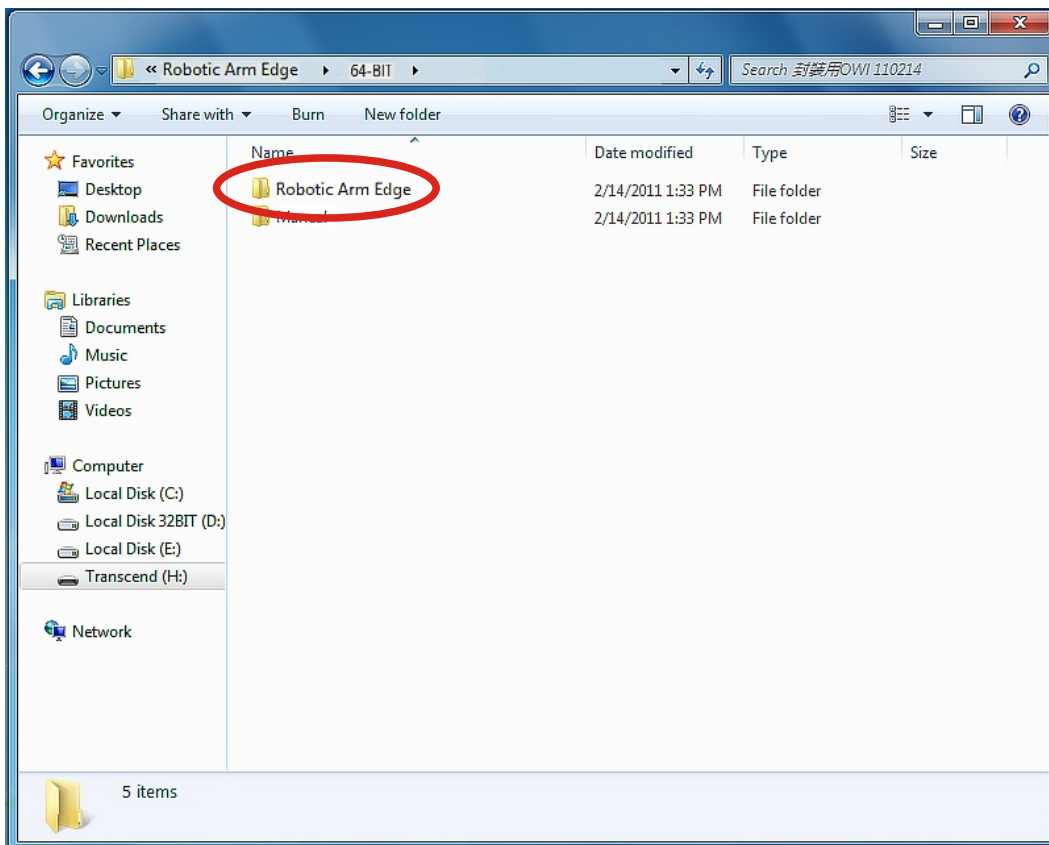
Step3 Go to " Computer " choice.

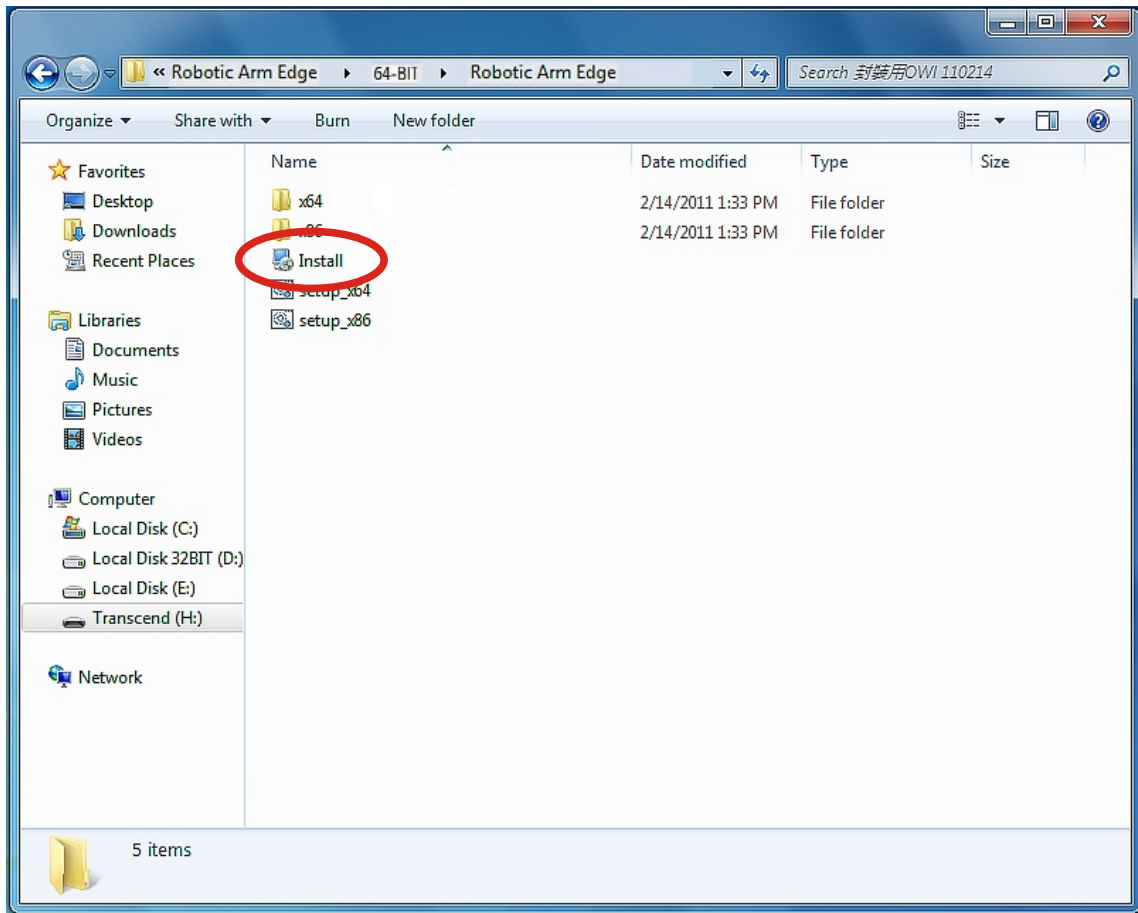
Step4   Click your CD-ROM icon.
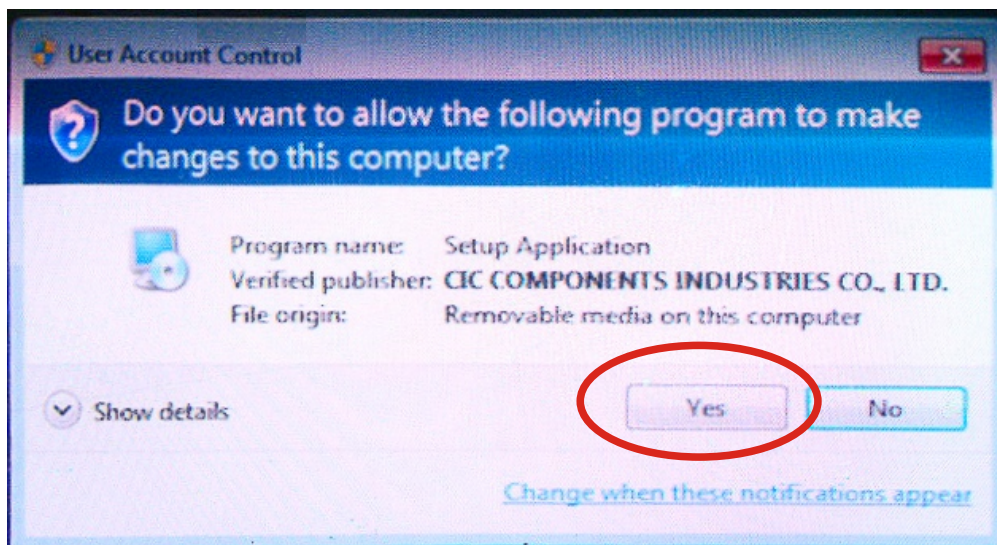
Step5 Choose " 64-BIT " folder.

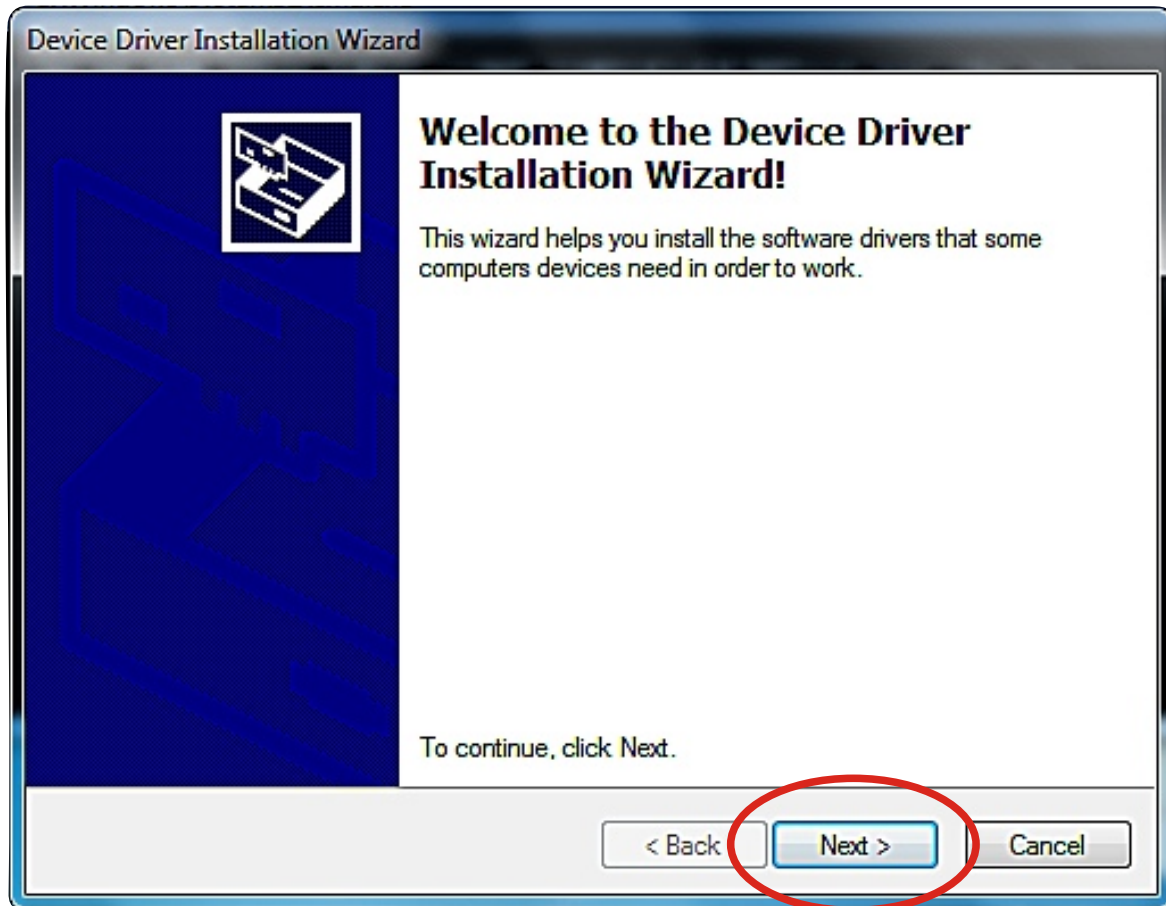
Step6 Choose " Robotic Arm Edge " .

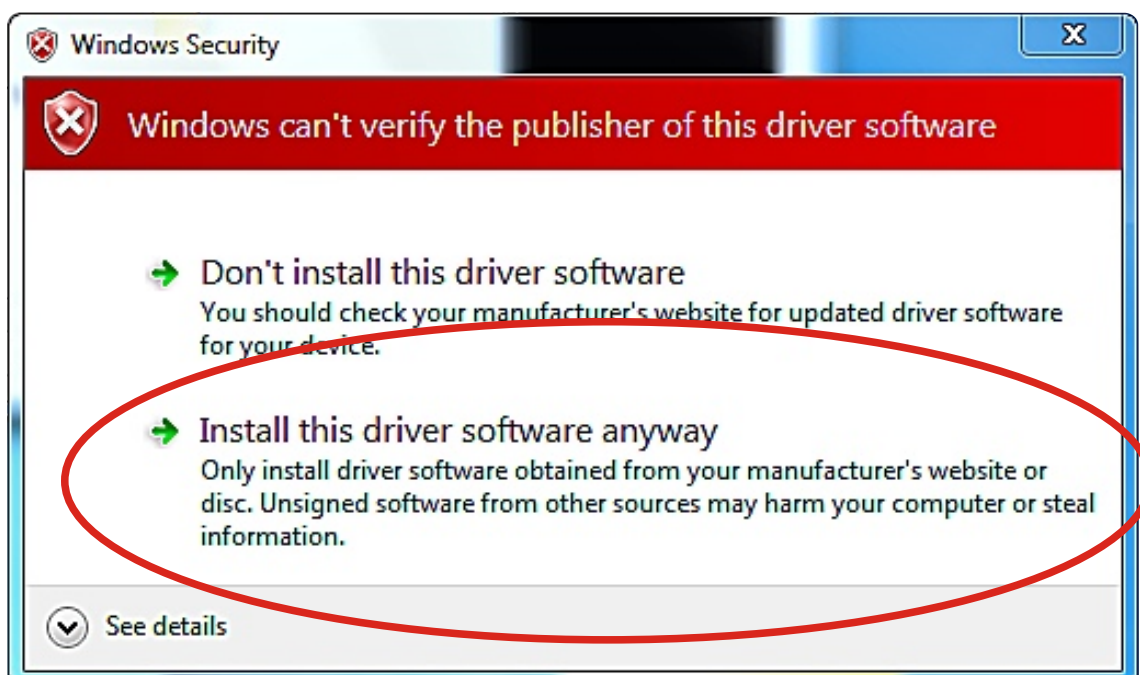Step7 Click " Install " icon.
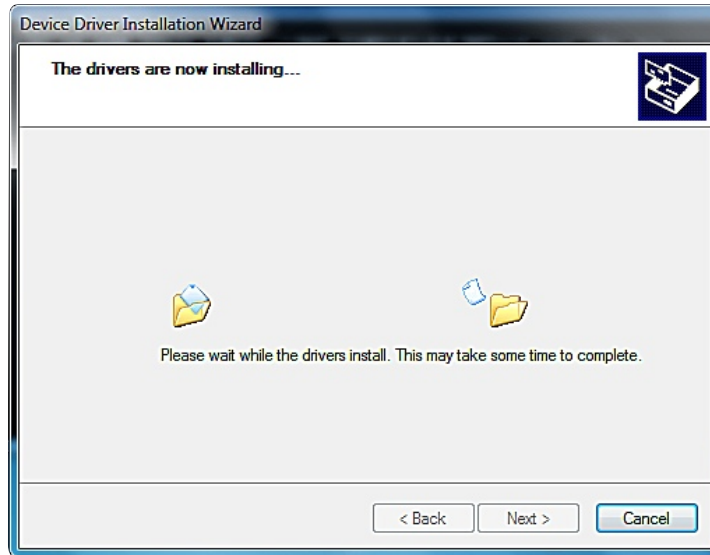

Step8 Click " YES " to continue.
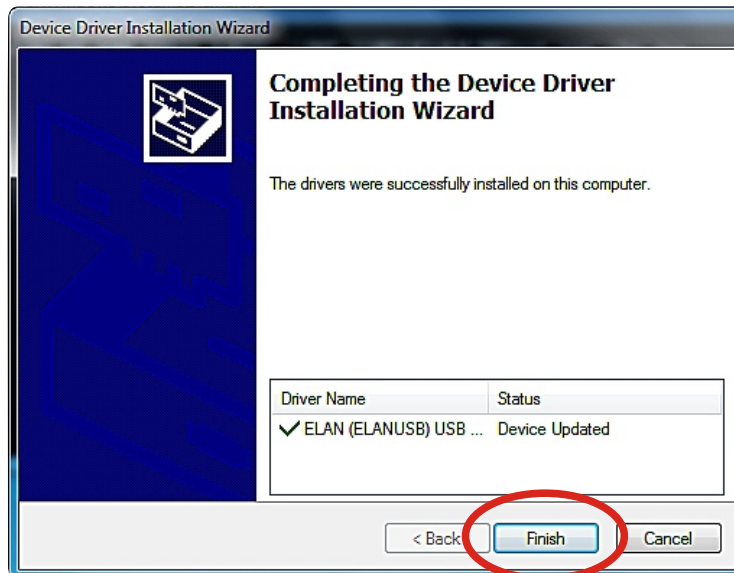
Step9 Click " Next " to continue.

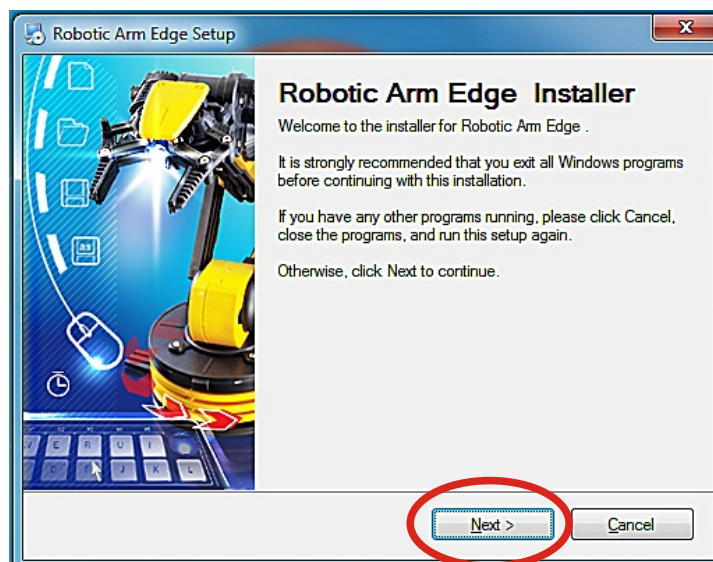Step10 Click " Install this driver software anyway " to continue.
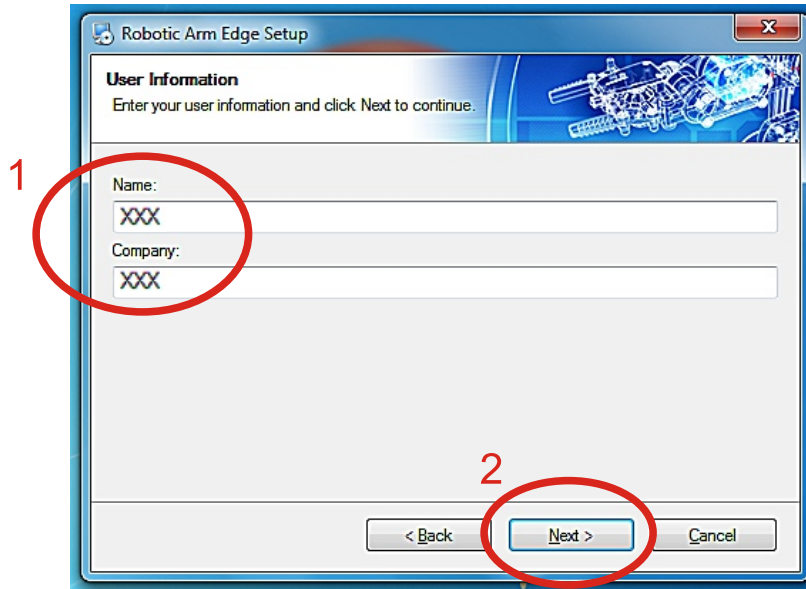
Step11 Wait......
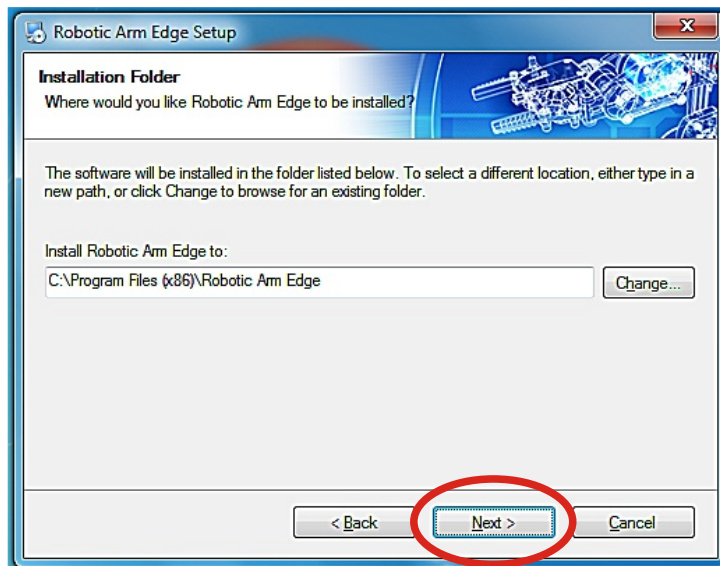

Step12 Click " Finish " to continue.

Step13 Click " Next " to continue.

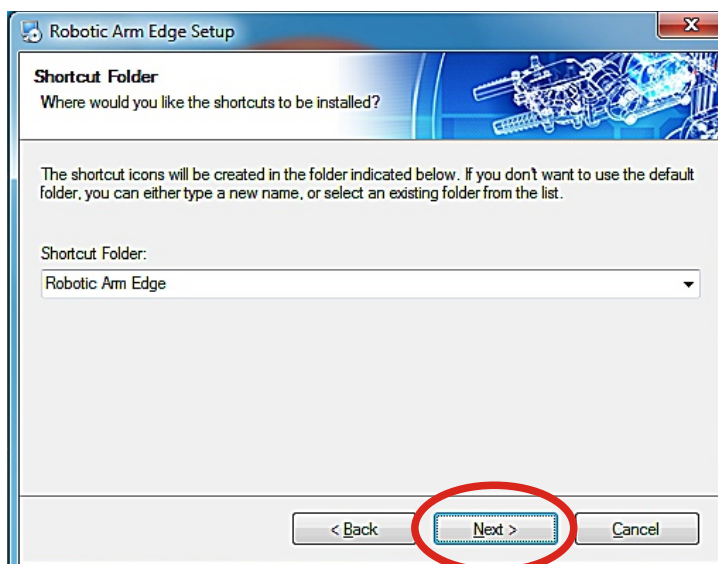**Step14** Fill in your name or company and click "Next" to continue.

Step15 Click " Next " to continue.

Step16 Click " Next " to continue.

29

Step17 Click " Next " to continue.

Step18 Wait......
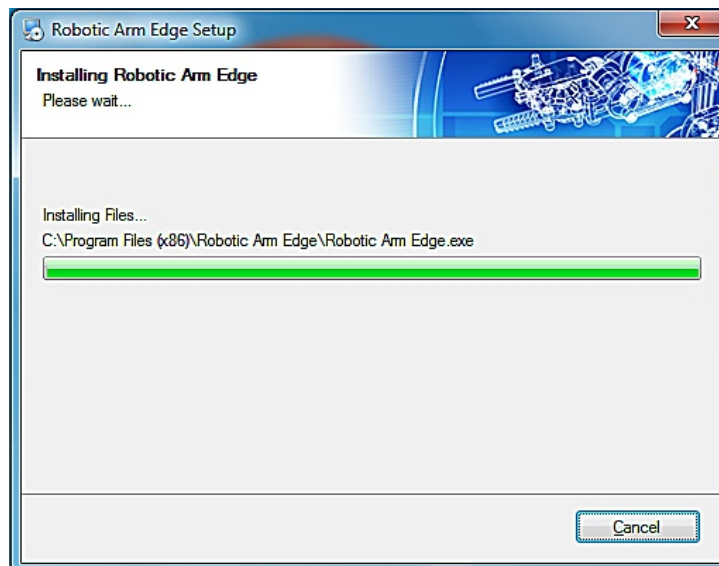
Step19 Check the box " ☑ I have read and agree to the terms of ...... " to continue.
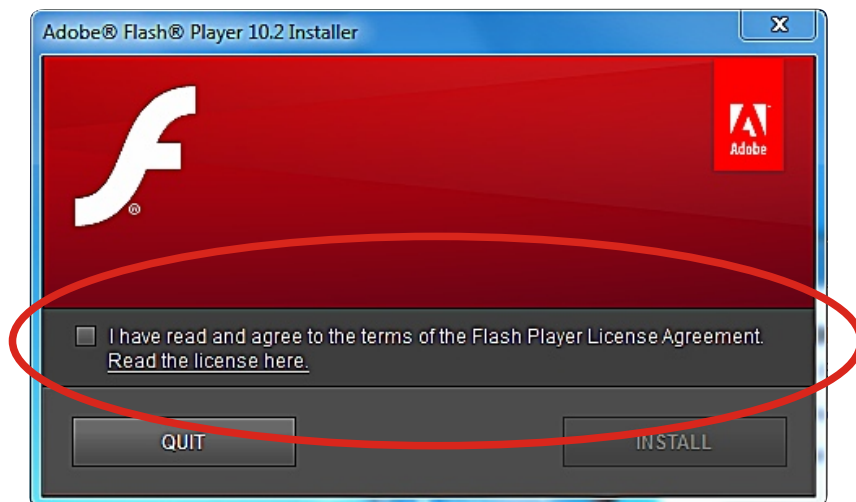
Step20 Click " INSTALL " to continue.
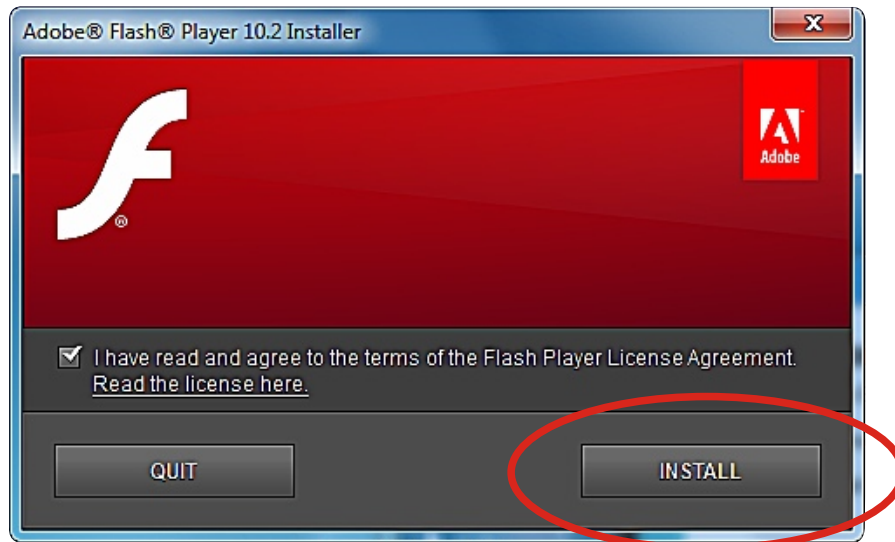
Step21 Click "Done" to continue.
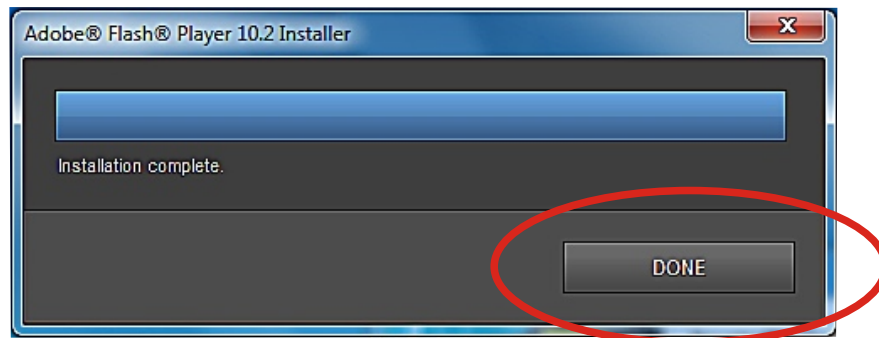
Step22 Finish setup.
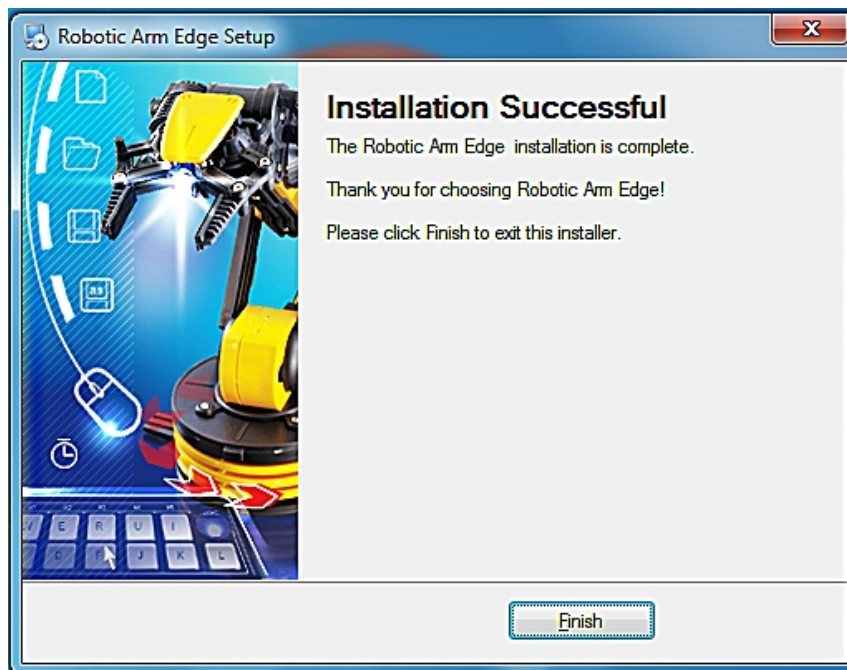
4.HOW TO PLAY

4-1.Start the program

Click "Robot Arm Edge"icon on your desktop to start the program.

Robot Arm
Edge

4-2.Opening animation

Click "PLAY" to get into the program.
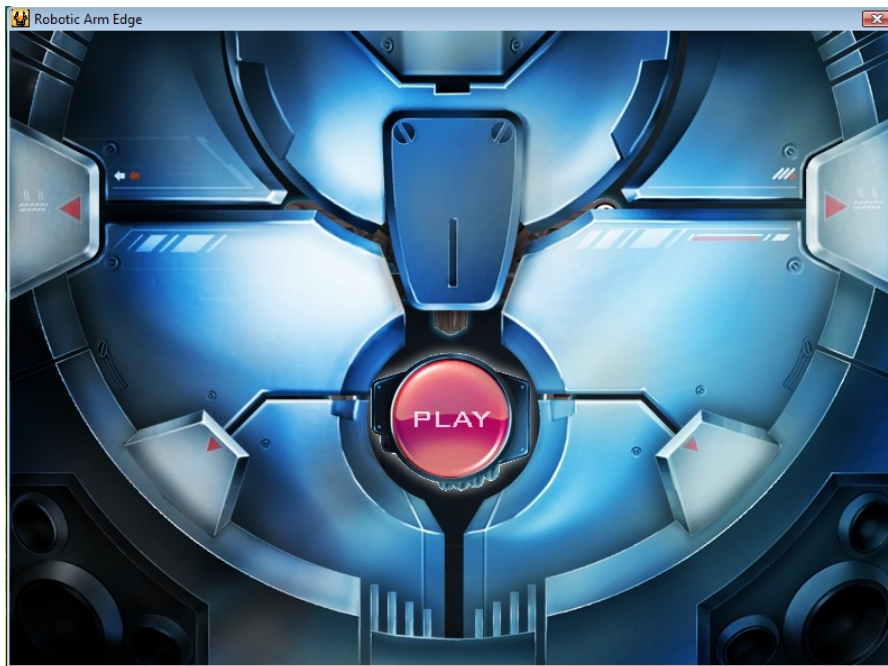
4-3.MENU

Choose a mode to play.

【MENU】

BASIC mode

PROGRAM mode

Quit
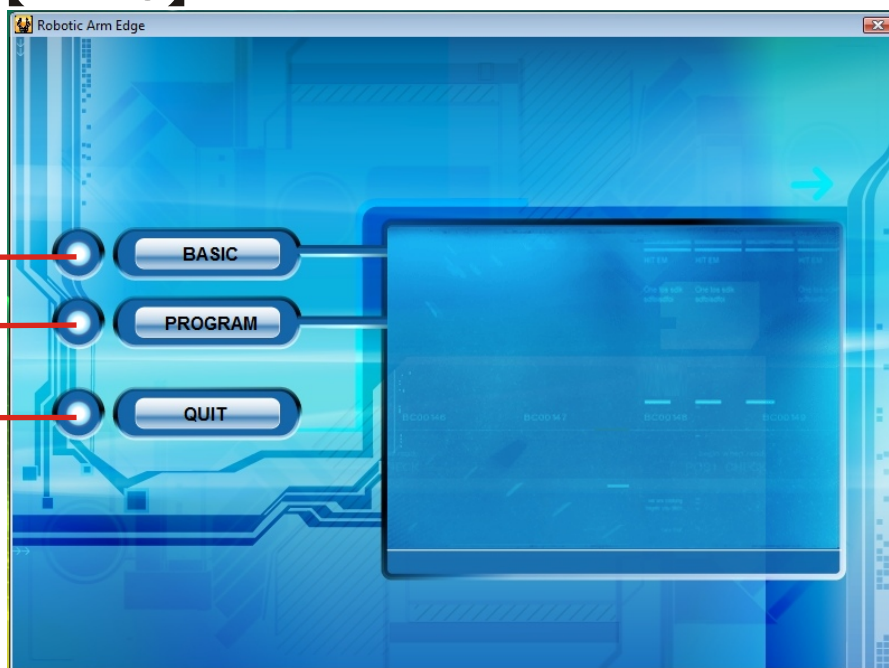
4-4.BASIC MODE
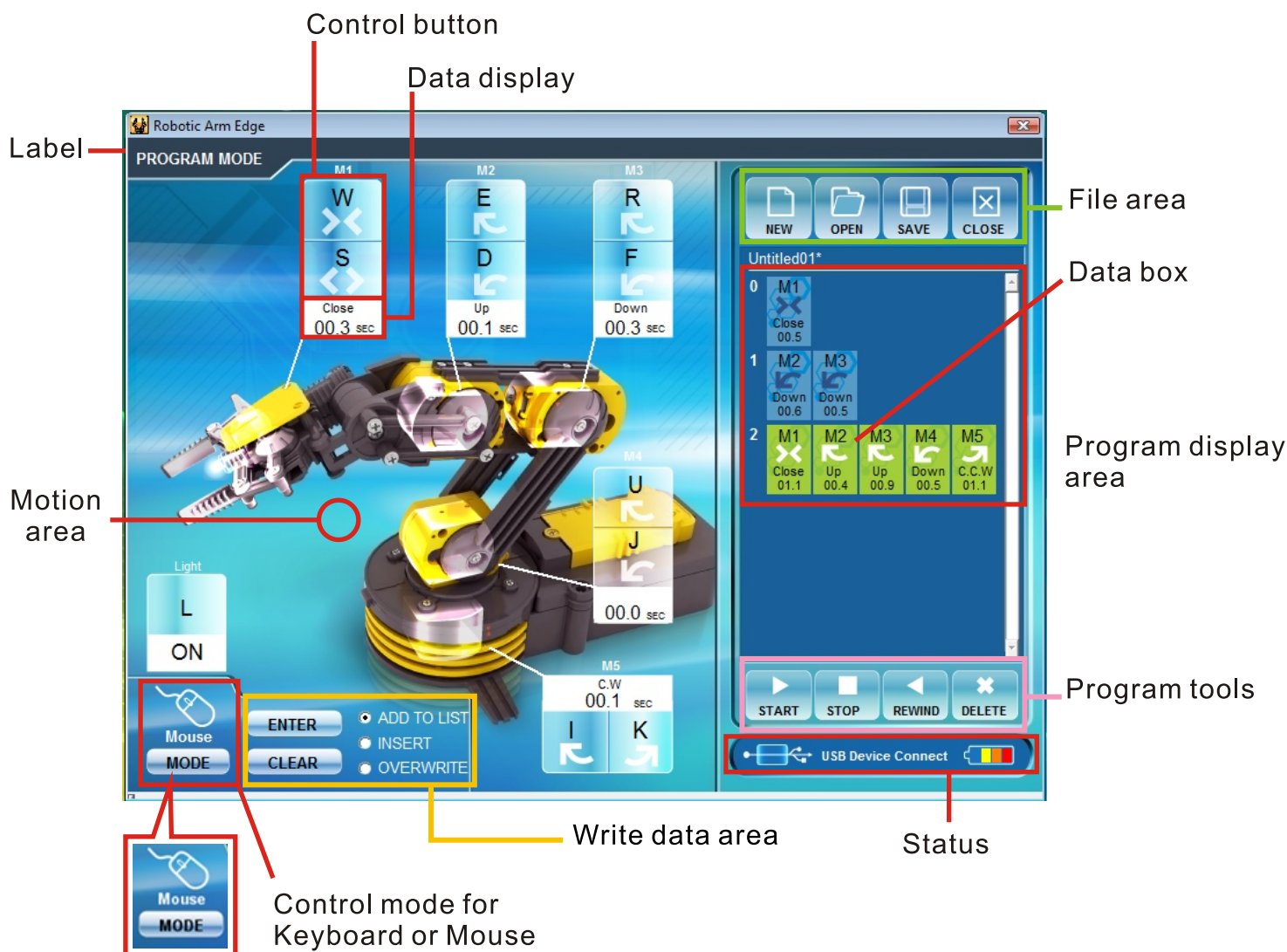
Motion area

Label

Robotic Arm Edge

BASIC MODE

Back to menu

CLOSE

Mouse

MODE

W	E	R	U	I	L
S	D	F	J	K	

USB Device Connect

Control button   Status

Keyboard

Control mode for
Keyboard or Mouse

Mouseover effect： Scroll the mouse wheel to operate motor .

4-5.PROGRAM MODE

Control button

Data display

Label

Motion area

Control mode for Keyboard or Mouse

File area

Data box

Program display area

Program tools

Status

Write data area

4-6.PROGRAM MODE OPERATION GUIDE

Step1 Choose "PROGRAM" .

Step2 Begin to program your Robotic Arm Edge. Choose any of the motor gear in Motion area. For example, choose "M1"gear and use "Control button" to change the time you want the Robotic Arm Edge to be moved. The time is shown at the "Data display"area.

Control button

Data display area

Step3 Press "ENTER" to write the data in "Data box".
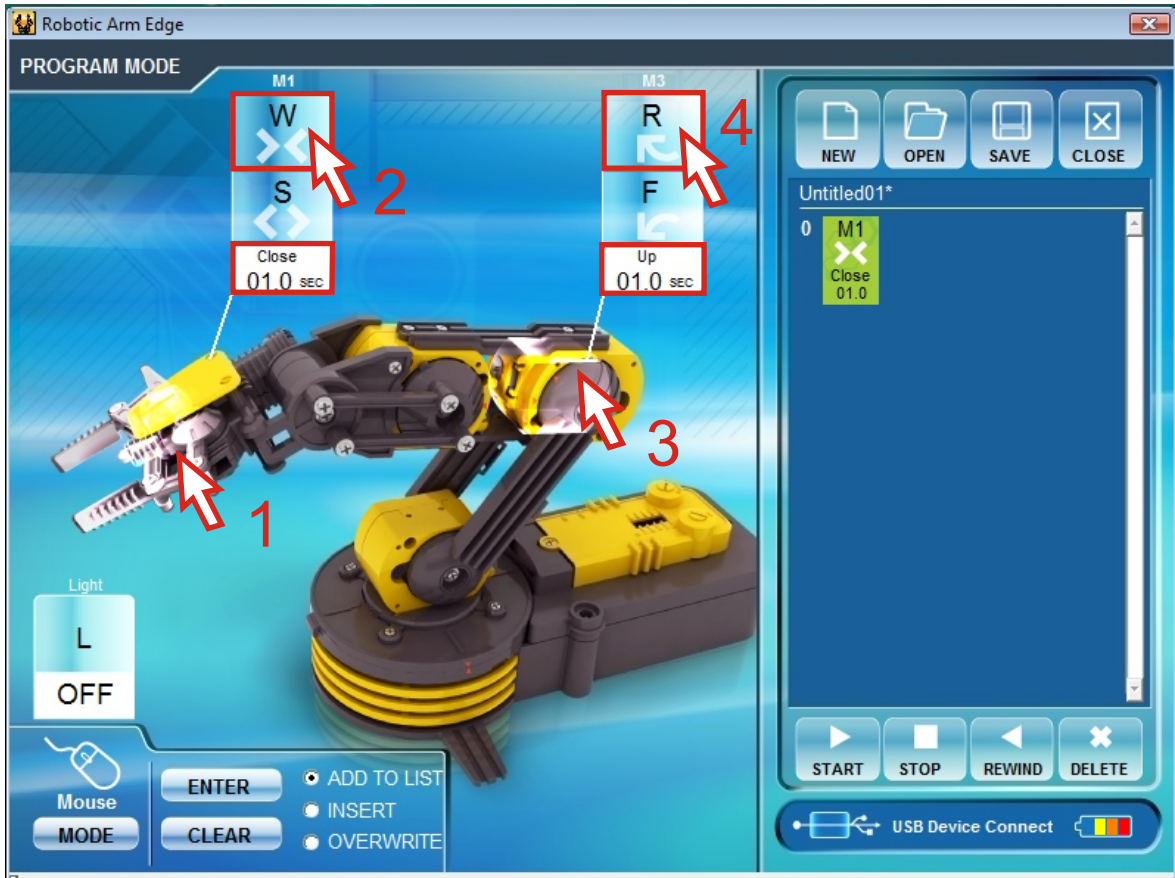
Data box

Step4 The data in "Data box".

Data box

Step5 Keep to choose another motor gear. Choose "M1" and "M3" gear and change the data.

Step6 Press "ENTER" . The data is written into the "Data box" at the same time.
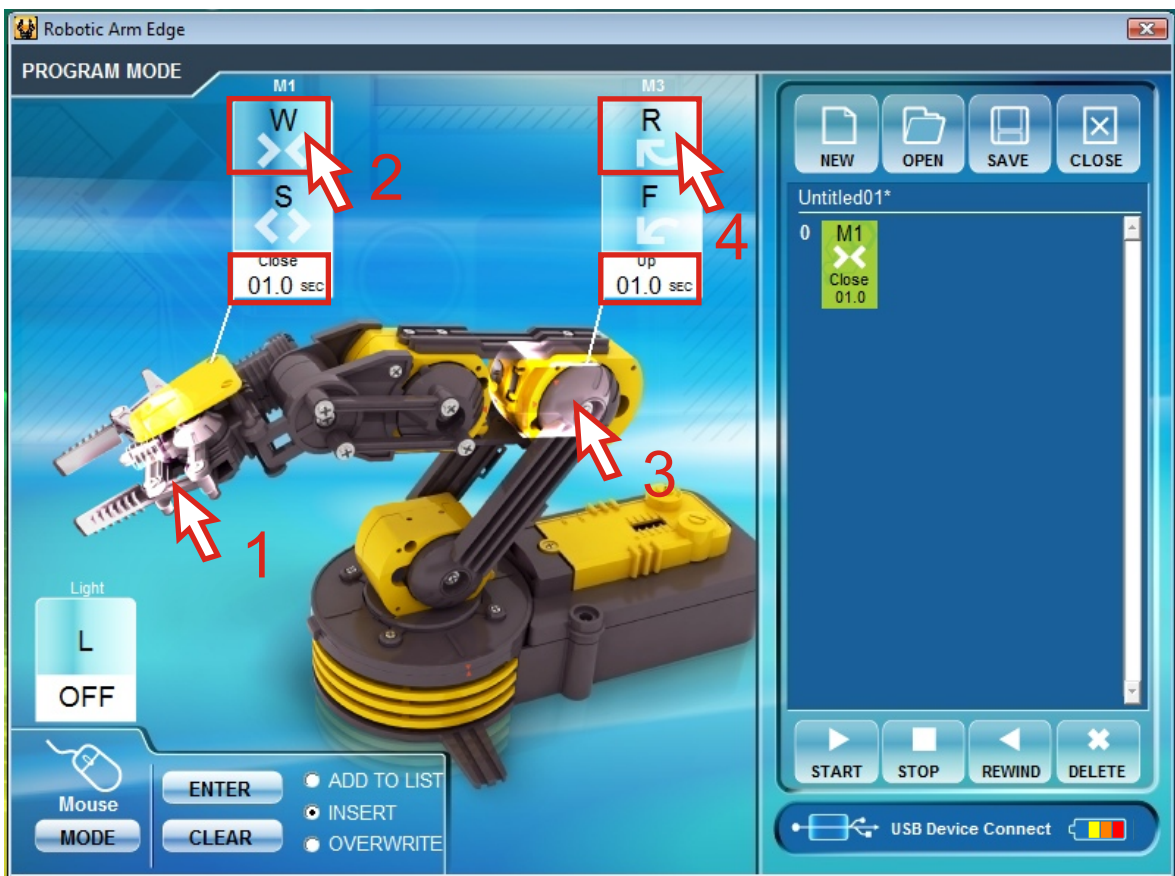
Step7 IF you want to insert a movement before the data in the Data Box.
       Click "INSERT" at "Write data area".

Write data area

Step8 Change the time with the motors you want to change.

Step9 Press "ENTER" ． The data is inserted into the "Data box" at the same time．
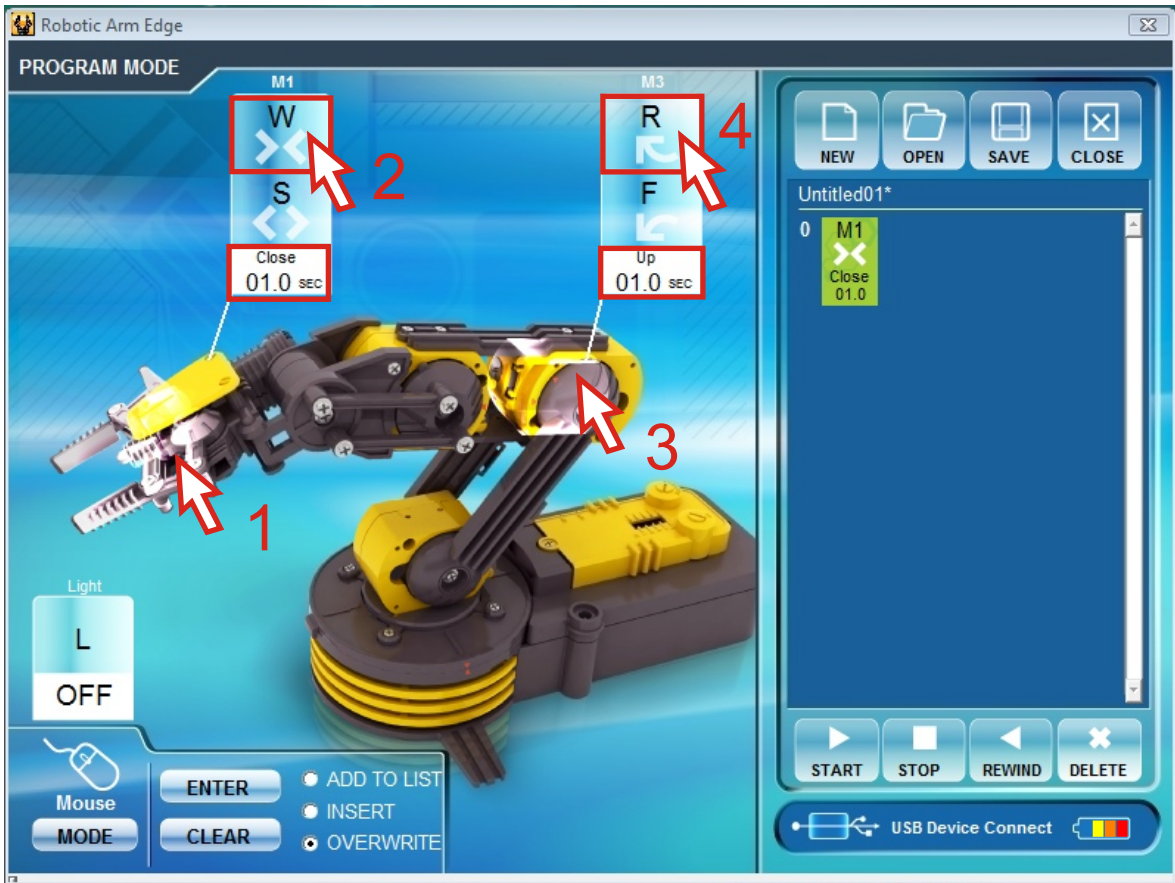

Step10 To overwrite the data． Click "OVERWRITE" at "Write data area".

Write data area

Step11 Change the time with the motors you want to change.

Step12 Press "ENTER". The data is changed at the same time. And the choice of "OVERWRITE" in"Write data area" is changed back to "ADD TO LIST" automatically.

Step13 To see the movement you have been set．Press "START" in
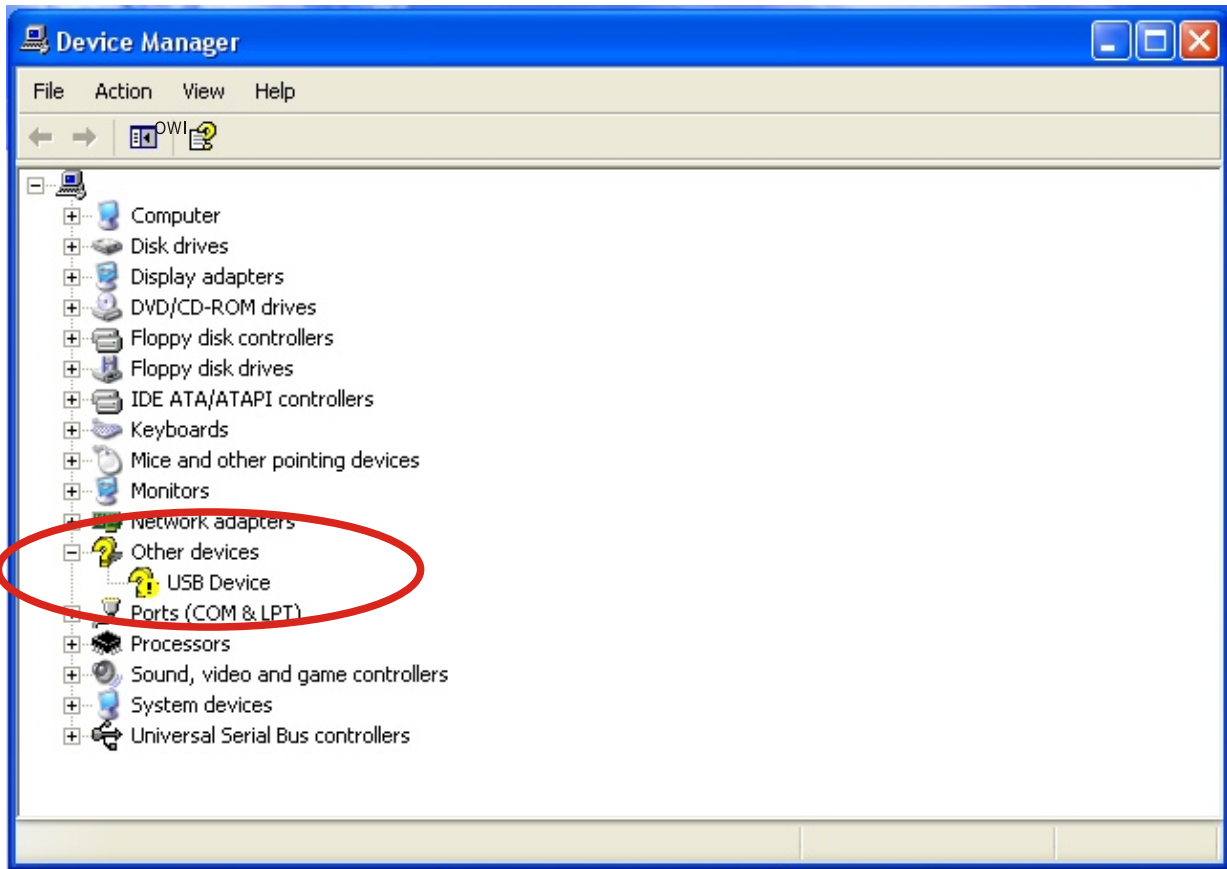   "Program tools" area.

Step14 The movement data will show on screen at the same time while
        the Robotic Arm Edge is moving.

5.TROUBLESHOOTING

5-1 If there is no ″Other devices″ shown on your computer.
Please reconnect your Robotic Arm Edge with computer or change
other USB port of your computer or re-install the softwar.

5-2 If the gearbox dose not work smoothly. Please Check motor
wire connection.