LOG INTO LEARNMATE: AT THE BOTTOM OF THE PAGE SCROLL TO ACTIVITY 3

Fundamentals of Robotics for SCORBOT-ER4u

RobotCell Software Instruction

Please go to the course website and follow these steps to download, install, and activate your software.

Activity 1: Introduction to Robotics

Review Test 1

Activity 2: How Robots Work
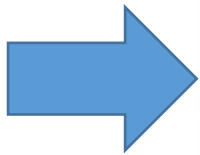
Review Test 2

Activity 3: Using Robotic Control Software

Review Test 3

Activity 4: Recording Robot Positions

Review Test 4

To download the robocell interface:
1. go to activity page 3, page 9/51
2. Click "download applications" on right
3. Follow install instructions on next page

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Download Software

Automation	CIM/FMS	CNC Machining	LearnMate	Programming

1 → | Robotics |

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RoboCell ER-4u version 7.0.14.1 requires the new RoboCell V7 ER-4u 2020 license which supports floating licensing.

Folders
Previous_Versions

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2 ↓

Folders
Discontinued	ER-4u	ER9 & Er14 PRO
	MHJF	

3 →

Filename	Download	Filetype	Filesize
PLTW_Robocell_Scorbase_Setup_7.0.9.8.exe	DOWNLOAD	file - exe	143615432
Robocell_Scorbase_Setup_7.0.14.1.exe	DOWNLOAD	file - exe	177820960
ViewFlex+3.3+build+14.zip	DOWNLOAD	file - zip	573081910

Activity 3: Using Robotic Control Software

>

LearnMate

✕ exit   🔢 index   📖 glossary   🖳 launch   🔄 refresh   ← previous   → next

help and support

Feedback
Help Files
Utilities
Download LearnMate Agent
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CLICK HERE

The program should open

Task: Running RoboCell and Opening a Project

1. Click **here** to open the project for this activity in RoboCell.

2. Adjust the position of the RoboCell window so that you can comfortably view both the instructions and the Robocell window simultaneously.

3. Note the components of the RoboCell window.
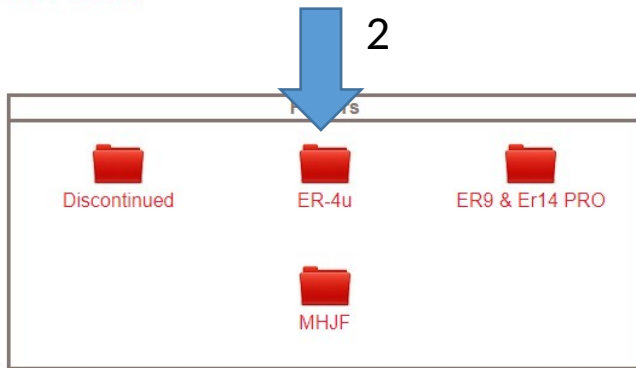
4. Minimize the RoboCell window.

RoboCell for SCORBOT-ER 4u - 4RMH1_ACT3

File Edit Run Options View 3D Image Window Help

Program - 4RMH1_ACT3

1 Remark: *********************
2 Remark: * Demo1: Block Towers
3 Remark: * Peripherals: None
4 Remark: * I/O: None
5 Remark: *********************
6 Open Gripper
7 Go to Position 5 Speed 50 (%)
8 Go Linear to Position 2 Speed 50 (%)
9 Close Gripper
10 Go Linear to Position 5 Speed 50 (%)
11 Go to Position 11 Speed 50 (%)
12 Go Linear to Position 10 Speed 50 (%)
13 Open Gripper
14 Go Linear to Position 11 Speed 50 (%)
15 Go to Position 6 Speed 50 (%)
16 Go Linear to Position 3 Speed 50 (%)
17 Close Gripper

3D Image - 4RMH1_ACT3

Manual Movement

Joints XYZ   Speed 50
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8
Q W E R T Y U I

Teach Positions (Simple)

Position Number — Include Axes
1   ☑ Robot ☐ Peripherals
Expand   Absolute   Speed   Duration   50
          Relative to:

Insert   Off-Line

Workspace
Project | Commands
4RMH1_ACT3