Mech-Mind User's Manual

Mech-Mind

Mar 07, 2023

CONTENTS

1	Check Controller and Software Compatibility							
2	Setup the Network Connection2.1Hardware Connection2.2IP Configuration	3 3 4						
3	Test Robot Connection							
4	Cautions	7						

This section introduces the process of setting up master control of an Dobot robot.

CHAPTER

ONE

CHECK CONTROLLER AND SOFTWARE COMPATIBILITY

- Controller software version : 3.5.2 or above.
- Mech-Mind Software Suite: 1.6.0 or above.

SETUP THE NETWORK CONNECTION

2.1 Hardware Connection

Plug one end of the Ethernet cable into the network port of the IPC and the other end into the network port of the robot controller.





 $\ensuremath{\mathbbmsssspace{1.5}\xspace{1.5}}$ is the network port of the robot controller.

2.2 IP Configuration

To allow communication between the IPC and the robot controller, the IPC's network port connected to the robot controller should be in the same subnet as the robot. This means that the network portions and subnet masks of the IP addresses should be the same. For example, 192.168.100.1/255.255.255.0 and 192.168.100.2/255.255.255.0 are in the same subnet.

- 1. Please refer to set_ipc_ip to check the IP address of the corresponding port in the IPC.
- 2. Press System in DobotSCStudio and go to ToolConfigure \rightarrow NetworkSetting .

	DebotSCStudie V2.1.8_CR (Vir	tual Contriler)						
Ø							7 8	2 roganar 🧶
		Home 🖸						
Boriot	🗉 🖉 Delaut							
	Alarms GlobalSpeed				JobotSCStudio	0		
	Home			Convright 202	0. Shenzhen Yueijang Techno	laav Co. Ltd.		
Blockly	VersionInfo			See and a second	or, sensitivitien resigning residence	and a second second		
	E Rearmeter		Instruction Manual					
۲	GlobalCoordinate			Software User Manual		Alarms Manual		
	HomePoint Internet							
	ControllerSetting			Script Syntax Manual		Blockly Manual		
۲	RobotParams							
	SaleSetting		Application Case					
	🖻 💼 TeolCanfig			Conveyor Belt Tracking		Remote Control		
	Basic Cerrig Sh EndEffector							
	Pluginsinto			Matrix Pallet		Vision Config		
	Log		Easthach					~ 1
	RobolState		reedback					
	🗆 🏦 Teols							
	Witsetting				Feedback			
	🗉 🏩 Process							
	🗋 🔛 MattePallet							
								MINIT

3. If the IP address isn't in the same subnet as the IPC, select **Manual IP Address** and set the IP address manually, and click *Save* .

~
Ø
Constant of the second

CHAPTER

THREE

TEST ROBOT CONNECTION

CHAPTER

FOUR

CAUTIONS

- 1. Do not use Mech-Viz and DobotSCStudio at the same time. Otherwise Mech-Viz may not connect to the robot properly.
- 2. Do not use Mech-Viz when operating the teach pendant.
- 3. If you set the "Motion type" parameter to "Linear move" in Mech-Viz, the robot will get TCP. In this case, you must manually set TCP in the teach pendant and select it, then reconnect the robot. Otherwise the robot receives wrong poses.