

# RoboDK JAKA Post-Processor Installation Manual

## Part I: Installation.

1. Open the folder “Jaka Post-Processor Kit” and Copy JAKA\_POST and JAKAZu files to your clipboard.

JAKA_POST	1/8/2021 10:53 PM	Python Source File	26 KB
JAKAZu	8/5/2021 1:35 PM	Python Source File	19 KB

2. Follow the Path and paste the files:

C:\RoboDK\Posts

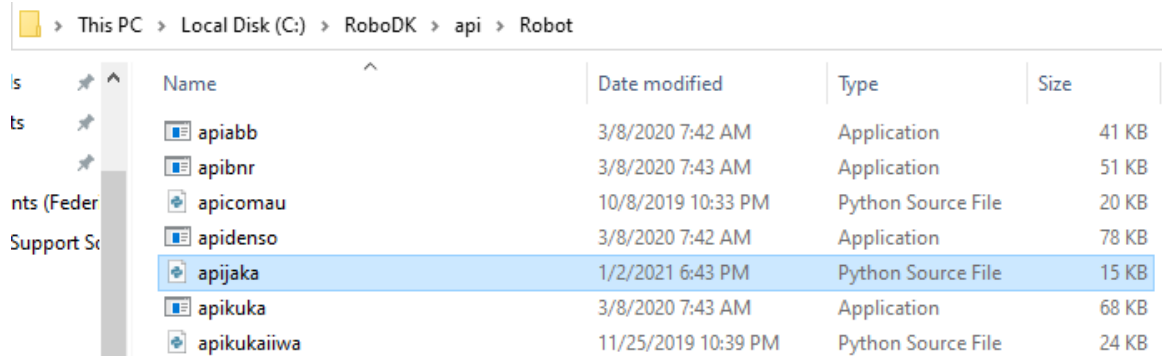
> This PC > Local Disk (C:) > RoboDK > Posts				
Name	Date modified	Type	Size	
CSV	11/15/2019 4:28 AM	Python Source File	13 KB	
Denso_PAC	10/2/2019 7:49 PM	Python Source File	18 KB	
Denso_RC8	10/2/2019 7:48 PM	Python Source File	14 KB	
Dobot	8/20/2019 4:57 AM	Python Source File	22 KB	
Doosan_Robotics	10/12/2019 5:32 AM	Python Source File	18 KB	
Epson_RC	8/20/2019 4:57 AM	Python Source File	12 KB	
Fanuc_R30iA	2/8/2020 1:45 AM	Python Source File	54 KB	
Fanuc_RJ3	10/5/2019 12:24 AM	Python Source File	11 KB	
Fanuc_RJ3_DripFeed	12/1/2019 10:01 PM	Python Source File	11 KB	
GCode_A3200	8/20/2019 4:57 AM	Python Source File	14 KB	
GCode_BnR	8/20/2019 4:57 AM	Python Source File	14 KB	
GCode_NCP	8/20/2019 4:57 AM	Python Source File	14 KB	
GSK	8/20/2019 4:57 AM	Python Source File	19 KB	
HCR	8/20/2019 4:57 AM	Python Source File	13 KB	
HIWIN_HRSS	8/20/2019 4:57 AM	Python Source File	18 KB	
JAKA_POST	1/8/2021 10:53 PM	Python Source File	26 KB	
JAKAZu	8/5/2021 1:35 PM	Python Source File	19 KB	

3. Open the folder “Jaka Post-Processor Kit”, go to “Driver” and Copy the file apijaka.py to your clipboard.

apijaka

#### 4. Follow the Path and paste the files:

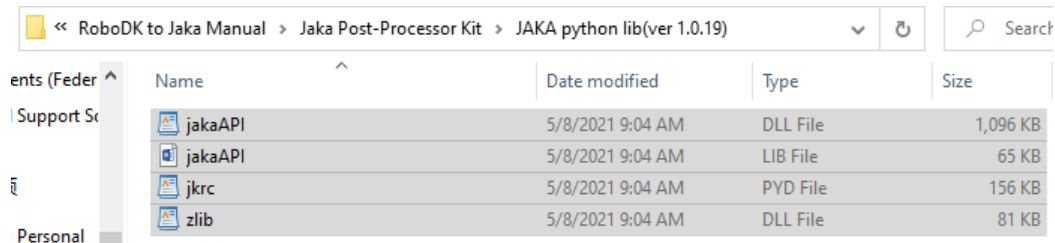
C:\RoboDK\api\Robot



Name	Date modified	Type	Size
apiabb	3/8/2020 7:42 AM	Application	41 KB
apibnr	3/8/2020 7:43 AM	Application	51 KB
apicomau	10/8/2019 10:33 PM	Python Source File	20 KB
apidenso	3/8/2020 7:42 AM	Application	78 KB
apijaka	1/2/2021 6:43 PM	Python Source File	15 KB
apikuka	3/8/2020 7:43 AM	Application	68 KB
apikukaiwa	11/25/2019 10:39 PM	Python Source File	24 KB

#### 5. Install Python 3.7 64bit (It's the default version of Python for RoboDK, and our JAKA Driver Relies on it)

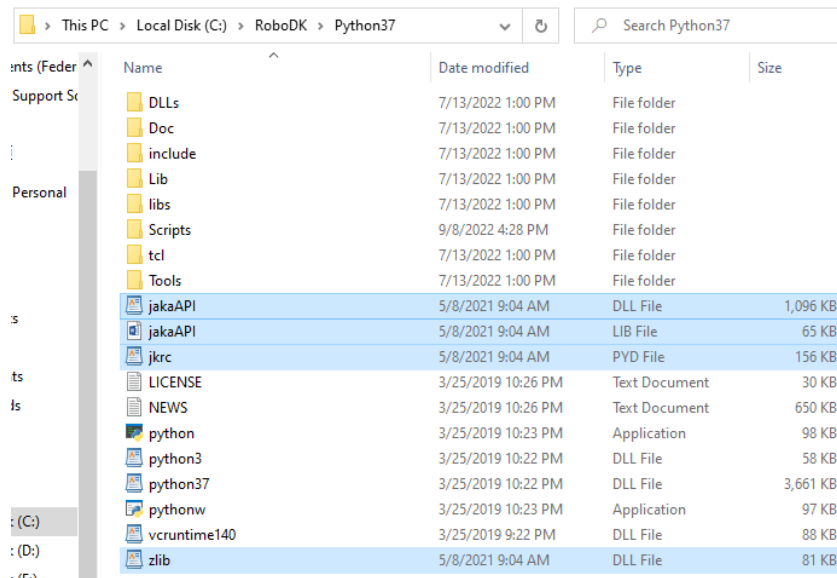
#### 6. Open the folder “Jaka Post-Processor Kit” and Copy the files jakaAPI.DLL, jakaAPI.LIB, jkrc, and zlib.



Name	Date modified	Type	Size
jakaAPI	5/8/2021 9:04 AM	DLL File	1,096 KB
jakaAPI	5/8/2021 9:04 AM	LIB File	65 KB
jkrc	5/8/2021 9:04 AM	PYD File	156 KB
zlib	5/8/2021 9:04 AM	DLL File	81 KB

#### 7. Follow the Path and paste the files:

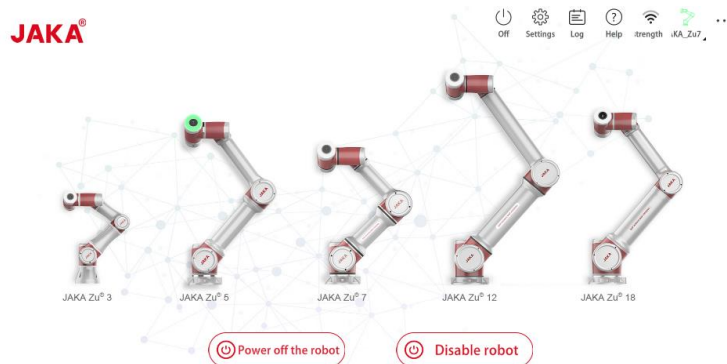
C:\RoboDK\Python37



Name	Date modified	Type	Size
DLLs	7/13/2022 1:00 PM	File folder	
Doc	7/13/2022 1:00 PM	File folder	
include	7/13/2022 1:00 PM	File folder	
Lib	7/13/2022 1:00 PM	File folder	
libs	7/13/2022 1:00 PM	File folder	
Scripts	9/8/2022 4:28 PM	File folder	
tcl	7/13/2022 1:00 PM	File folder	
Tools	7/13/2022 1:00 PM	File folder	
jakaAPI	5/8/2021 9:04 AM	DLL File	1,096 KB
jakaAPI	5/8/2021 9:04 AM	LIB File	65 KB
jkrc	5/8/2021 9:04 AM	PYD File	156 KB
LICENSE	3/25/2019 10:26 PM	Text Document	30 KB
NEWS	3/25/2019 10:26 PM	Text Document	650 KB
python	3/25/2019 10:23 PM	Application	98 KB
python3	3/25/2019 10:22 PM	DLL File	58 KB
python37	3/25/2019 10:22 PM	DLL File	3,661 KB
pythonnw	3/25/2019 10:23 PM	Application	97 KB
vcrruntime140	3/25/2019 9:22 PM	DLL File	88 KB
zlib	5/8/2021 9:04 AM	DLL File	81 KB

## Part II: Connection

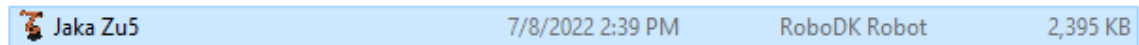
1. Turn on the robot and enable it using the jakapp.



2. Open the RoboDK App.

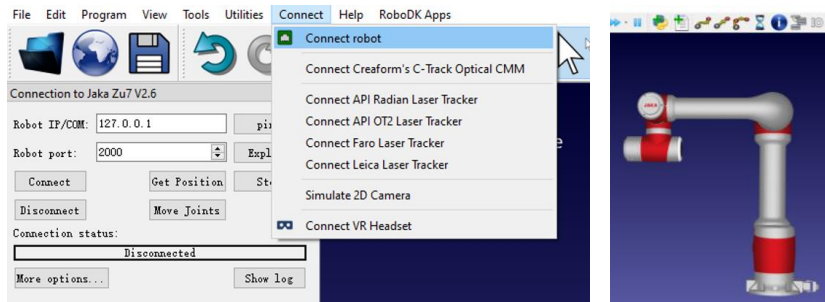


3. Open the robot model you are using. Example: Zu 5

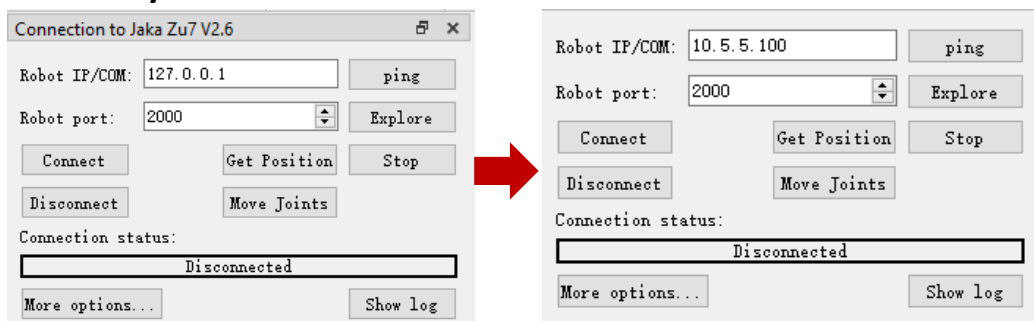


4. Follow the Path:

Connect → Connect robot



5. The following window will pop-up, change the robot IP according to the IP of your robot.



**Note:** you can get the IP of your robot from here.

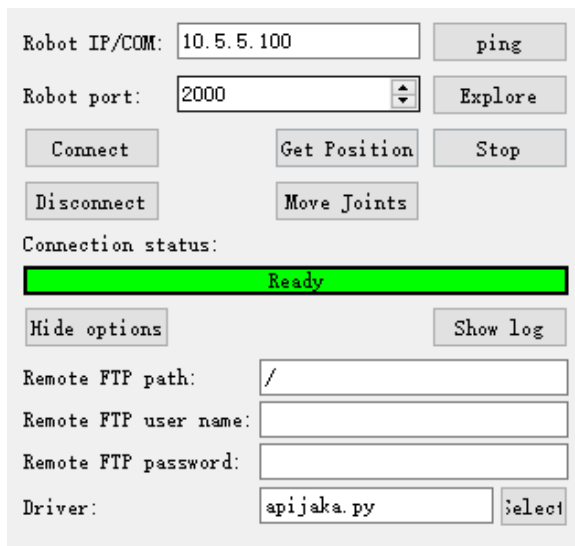


6. The port can be any port value available on your PC.

7. Click more options and Choose `apijaka.py` as the driver.



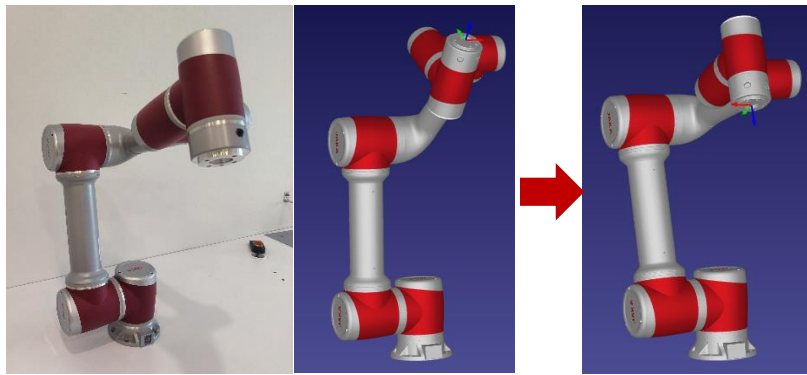
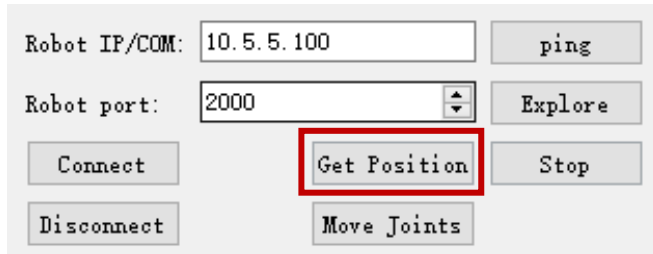
8. Now connect



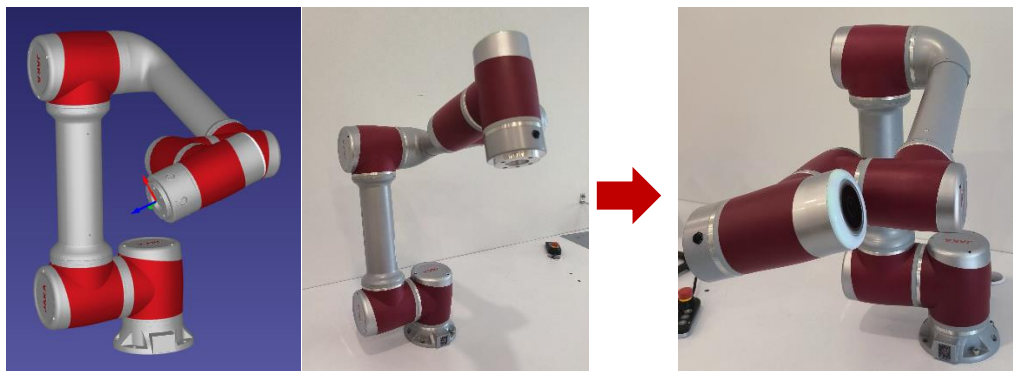
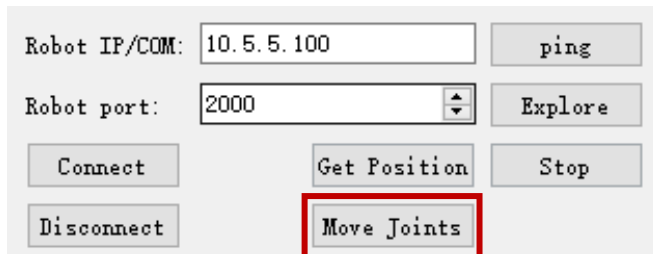
You have successfully connected the Robot now.

## Part III: Testing

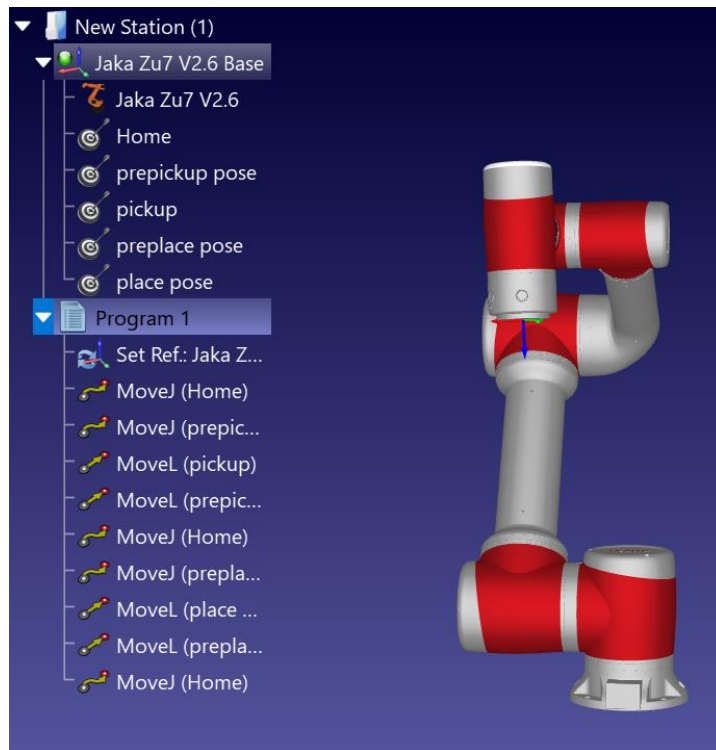
1. Get Position will make the RoboDK robot to move to the position of the real Jaka Robot.



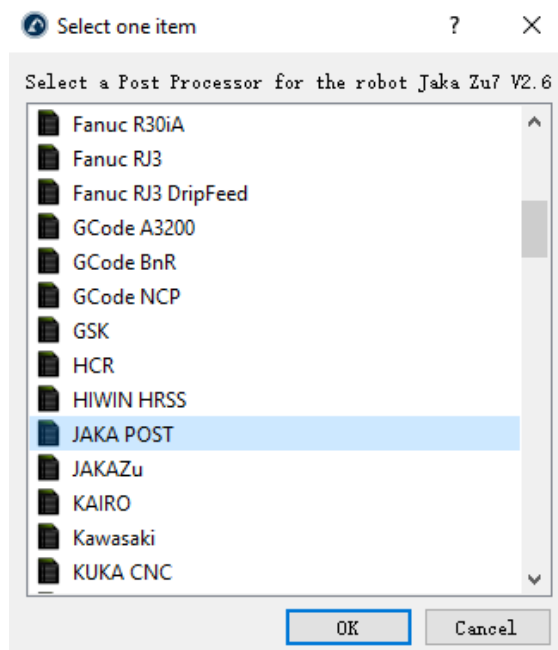
2. Move Joints will make the real Jaka Robot move to the position in RoboDK.



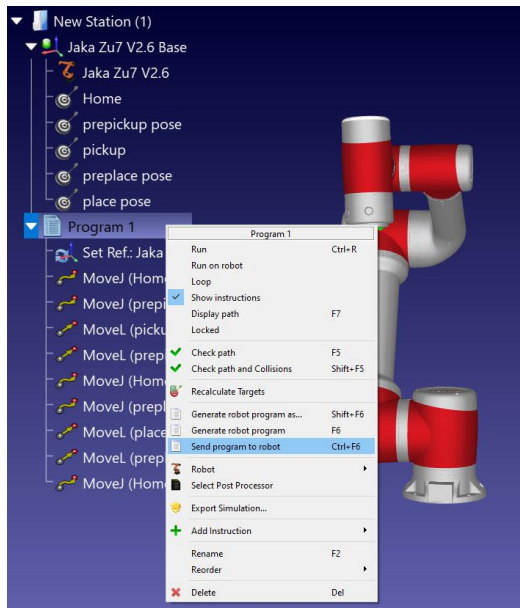
### 3. Now select your RoboDK program.



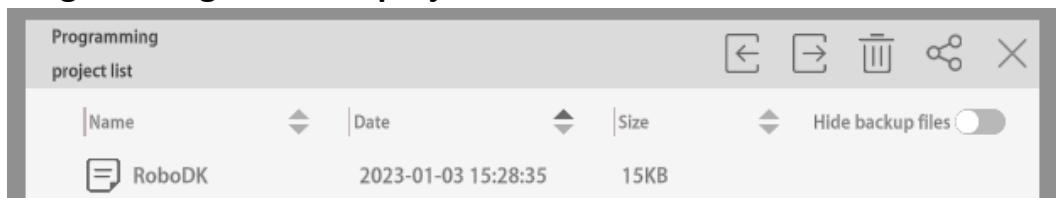
### 4. In order to send the program from RoboDK to the Jaka App you need to right click the program or robot and select JAKA POST as the post processor.



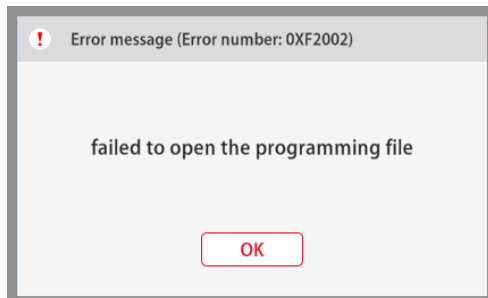
5. Now proceed to send the program to the robot.



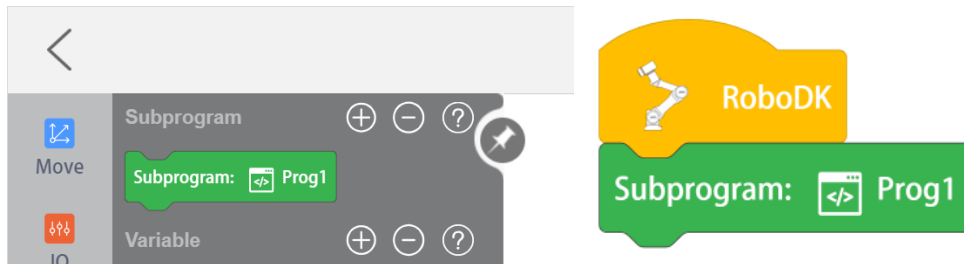
6. Now go to the Jaka App and follow the path:  
Programming Control→project list→RoboDK



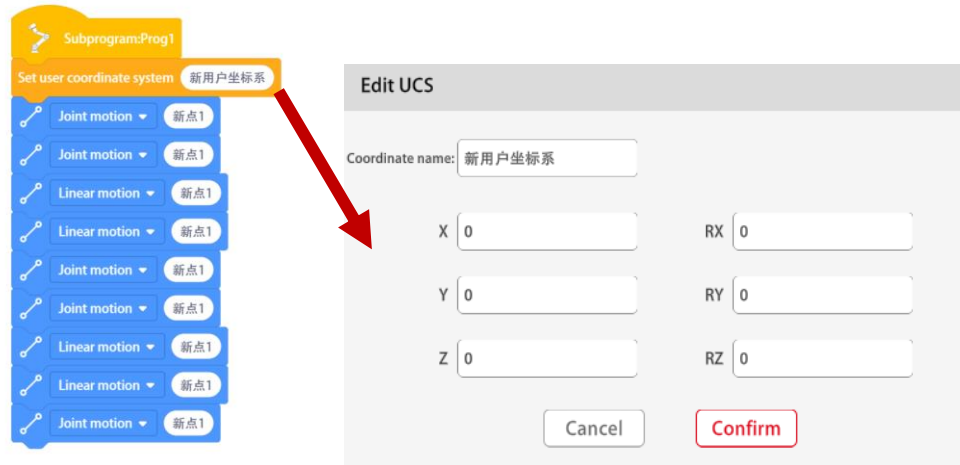
7. Ignore the error message 0XF2002



8. Go to Sub→Sub Program. Then grab the program from the list.



9. Double click the subprogram and verify that the user coordinates and TCP are correct. If some data appears empty, you need to fill the information manually.



10. Now you are ready to run your program in the Jaka App.

