

# THANK YOU FOR CHOOSING ROBOTIQ

This step-by-step guide will allow you to install and use **your Gripper** on **OMRON TM** robots fitted with a **Robotiq I/O Coupling**.



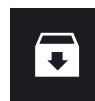
## 1.WHAT IS SUPPLIED?

Standard upon delivery of **your Gripper** with the **OMRON TM Wrist Connection Kit**:

I/O Coupling Kit (IO-CPL-OMRON-KIT)
I/O Coupling + Micro-USB to USB cable + Required hardware



Your Robotiq Adaptive Gripper	
AGC-OMRON-85-W	2F-85 Basic Gripper Unit : AGC-GRP-2F85
AGC-OMRON-140-W	2F-140 Basic Gripper Unit : AGC-GRP-2F140
HND-OMRON-KIT-W	Hand-E Basic Gripper Unit : HND-GRP
Your Robotiq Vacuum Gripper	
VAC-OMRON-EPICK-KIT1-W	EPick Basic Gripper Unit GRIPPER-EPICK
VAC-OMRON-EPICK-KIT2-W	EPick Basic Gripper Unit GRIPPER-EPICK
VAC-OMRON-EPICK-KIT4-W	EPick Basic Gripper Unit GRIPPER-EPICK
VAC-OMRON-AIRPICK-KIT1-W	AirPick Basic Gripper Unit GRIPPER-AirPICK
VAC-OMRON-AIRPICK-KIT2-W	AirPick Basic Gripper Unit GRIPPER-AirPICK
VAC-OMRON-AIRPICK-KIT4-W	AirPick Basic Gripper Unit GRIPPER-AirPICK



## 2.GET THE LATEST

Visit: [robotiq.com/support](http://robotiq.com/support)

### DOWNLOADING THE TM COMPONENTS

1. Go to **Select brand > OMRON TM > Select your Gripper > Software > I/O Coupling Software**.
2. Download the TM Plug & Play Software Package.
3. Decompress the package at the root of a USB storage device and rename the USB device "TMROBOT".

### DOWNLOADING THE INSTRUCTION MANUAL

Go to **Select brand > OMRON TM > Select your Gripper > Documents > your Gripper Instruction Manual > Download PDF**.

**BEFORE OPERATING YOUR GRIPPER, PLEASE READ YOUR INSTRUCTION MANUAL.**



## 3.MOUNTING

- For easier mounting, move the robot tool flange to make it point upwards.

### MOUNTING THE I/O COUPLING

1. Insert the provided dowel pin into the tool flange.
2. Mount the I/O Coupling on the tool flange of the robot. Align with the provided dowel pin.
3. Secure the I/O Coupling on the tool flange using the provided M6 screws and tooth lock washers.

### MOUNTING YOUR GRIPPER ON THE I/O COUPLING

1. Align **your gripper** on the coupling, using the dowel pin.
2. Secure **your gripper** to the coupling using the provided M5 screws and tooth lock washers.
3. Plug the coupling's connector in the robot's wrist connector.

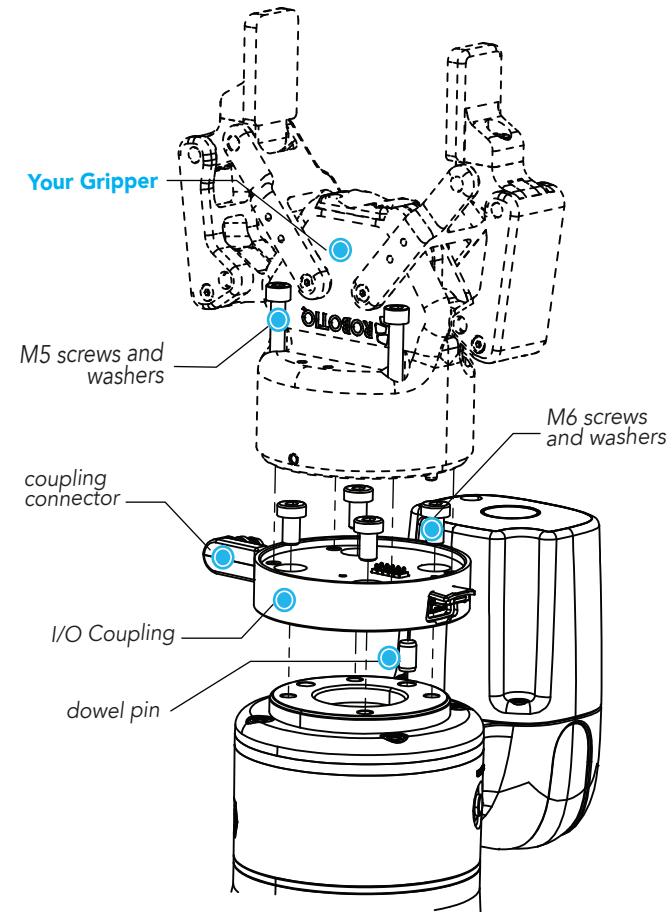


Figure 1. Example of 2-Finger wrist connection kit exploded view, on robot arm.



**FOR MORE DETAILS ABOUT YOUR GRIPPER INSTALLATION,  
PLEASE READ ITS INSTRUCTION MANUAL.**



## 4. INSTALLING SOFTWARE

1. Turn on the robot and log in to TM Flow.
2. Connect the USB device that contains the **Components** in the robot controller.
3. Take control of the robot, tap the **triple bar icon** and select **System Setting**.
4. Click on **Import/Export**.
5. Click on the Import button, select **TM Component** in the **Robot List** menu and click **OK**.
6. Select the files to import in the list on the left and click on the **Import** button.
7. Select the **triple bar icon** and select **Robot Settings**.
8. Enable the appropriate **Components** by clicking on the **radio buttons** and click on the **Save** button.



## 5. CONFIGURING PRESETS

### I/O COUPLING DEFAULT PRESETS FOR ADAPTIVE GRIPPERS

	PRESET 1	PRESET 2	PRESET 3	PRESET 4
POSITION	100%	0%	100%	0%
SPEED	100%	100%	0%	0%
FORCE	100%	100%	1%*	1%*

\*Force is not reduced to 0%. This would deactivate the Continuous Grip feature.

### I/O COUPLING DEFAULT PRESETS FOR VACUUM GRIPPERS

PRESET 1	PRESET 2	PRESET 3	PRESET 4
Automatic grip mode	Continuous grip mode	Min. vac: 10% Max. vac: 20%	Automatic release mode

### LINKING WITH THE I/O COUPLING

**i** The I/O Coupling must be mounted on the tool flange before proceeding.

1. Connect the micro-USB cable (type B) into the I/O coupling micro-USB port.
2. Connect the cable to a computer USB port.
3. Configure using the Robotiq User Interface.

### CONFIGURING VIA THE ROBOTIQ USER INTERFACE

1. Visit [support.robotiq.com](https://support.robotiq.com)
2. Go to **Select brand > OMRON TM > your Gripper > Software > Robotiq User Interface**.
3. Select **Installer > Download ZIP**.
4. Run the Robotiq User Interface.
5. Select **IO Coupling > Auto Connect**.
6. From the dropdown list, select **your Gripper**.
7. If required, modify default presets, then click **Save presets configuration to I/O Coupling**.

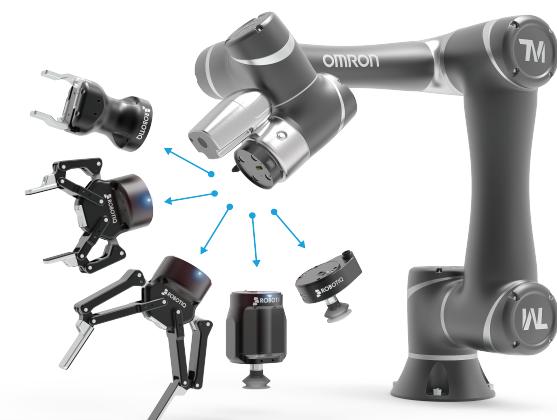


For more details, refer to **your Gripper** Instruction Manual.



## QUICK START GUIDE

### Wrist Connection Kit for OMRON TM



[robotiq.com/support](https://robotiq.com/support)

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