THANK YOU FOR CHOOSING ROBOTIQ

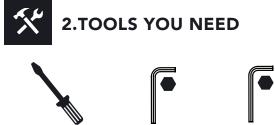
This step-by-step guide will allow you to **install** and **use your 2-Finger Gripper** on OMRON TM Series robots.



1.WHAT IS SUPPLIED?

Standard upon delivery of a OMRON TM Series kit:

2-Finger Adaptive Gripper (AGC-GRP-2F85 or -2F140)		
Gripper Coupling	(GRP-CPL-062)	
High-Flex Device Cable	CBL-COM-2065-10-HF)	
RS232 to RS485 Adapter (A	CC-ADT-RS232-RS485)	
USB to RS485 Adapter	(ACC-ADT-USB-RS485)	
Necessary Hardware		



2 mm Slotted Screwdriver 4 mm Hex Key



Visit: support.robotiq.com

• Select Omron TM, 2F-85 and 2F-140 Grippers, Software, Gripper Software

2 mm

Hex Key

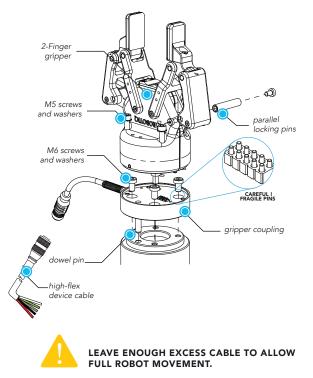
- Download the TM Plug & Play Software Package.
- Decompress the package at the root of a USB storage device and rename the USB device "**TMROBOT**".

BEFORE OPERATING THE GRIPPER, PLEASE READ INSTRUCTION MANUAL.



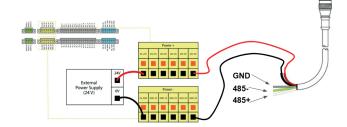
- Mount the coupling on your robot arm. Align with the provided dowel pin.
- Secure using the provided M6 screws and tooth lock washers
- Mount the Gripper on the coupling. Align with the dowel pin.
- Secure using the provided M5 screws and tooth lock washers.
- Plug the device cable into the Gripper's pigtail and attach the cable along the robot arm using a cable routing system.

i Parallel locking pins can be installed to perform parallel grasps only. For more details, see the instruction manual.





- The red (24V) and black (0V) wires of the device cable provide power to the gripper.
- Connect the red wire to a 24V slot.
- Connect the black wire to 0V slot.

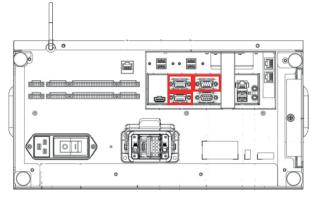


• Connect the communication wires in the RS232 signal converter (ACC-ADT-RS232-RS485) as shown below.



Pin	Signal Name	CBL-COM-2065-10-HF High-Flex Device Cable
1	485 + (A)	WHITE
2	485 - (B)	GREEN
3	485 GND	SHIELD

• Connect the RS232 end of the signal converter to a COM port of the robot controller.





6. SOFTWARE INSTALLATION

- Turn on the robot and log in to TM Flow.
- Connect the USB device that contains the Components in the robot controller.
- Take control of the robot, tap the triple bar icon and select System Settings.
- Click on Import/Export.
- Click on the Import button, select TMComponent in the Robot List menu and click OK.
- Select the files to import in the list on the left and click on the Send button.
- Tap the triple bar icon and select Robot Setting.
- Enable the appropriate Components by clicking on the radio buttons and click on the Save button.



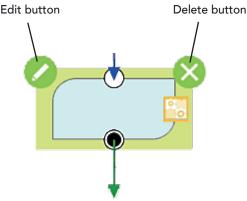
7. GRIPPER BUTTON CONFIGURATION

Follow the indications below to assign Gripper commands to the Gripper button found on the robot camera mounted on the robot wrist.

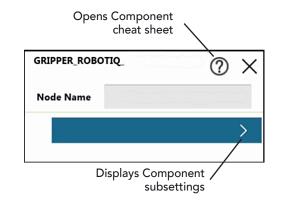
- In the TM Flow robot software, tap the triple bar icon and select the Setting icon.
- Click on Gripper Button.
- In the Gripper Button window, tick the Using Customized Component radio button.
- Select the Component you want to assign to either one of the Gripper actions.
- In the popup window, select or change the Component your wish to assign to the Gripper action/button.
- Click OK.



- From the TM Flow homepage, tap the triple bar icon and select the **Project** icon.
- Locate the Gripper Components in the navigation pane on the left side of the screen.
- Click on the program Component after which you wish to insert a Gripper Component.
- Drag and drop the desired Gripper Component under the highlighted Component.



• For advanced parameters, click on the Edit button (pencil icon) in the upper left corner of the Component; the Components menu will pop up.



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2F-85 & 2F-140 **ADAPTIVE GRIPPERS**

QUICK START GUIDE

For installation on **OMRON TM Series** collaborative robots



