

# THANK YOU FOR CHOOSING ROBOTIQ

This step-by-step guide will allow you to **install** and **test your 2-Finger Gripper** on Universal Robots with a CB3 controller\*.

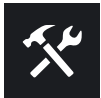
\*For installation with a Universal Robots CB2 controller, refer to the instruction manual.



## 1. WHAT IS SUPPLIED?

Standard upon delivery of a Universal Robots kit:

- 2-Finger Adaptive Gripper ..... (AGC-GRP-002 or -140)
- Gripper Coupling ..... (AGC-CPL-062-002)
- Gripper Fingertips ..... (AGC-TIP-204-002)
- Device Cable ..... (CBL-COM-2065-10)
- USB to RS485 Adapter ..... (ACC-ADT-USB-RS485)
- USB Stick
- Necessary Hardware



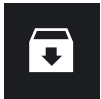
## 2. TOOLS YOU'LL NEED



2 mm Slotted Screwdriver



4 mm Hex Key



## 3. GET THE LATEST

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

- Get the up-to-date instruction manual (PDF or web browser).
- Get the latest **Robotiq 2-Finger Adaptive Gripper-X.X.X.urcap**.
- Download the .urcap file on a USB stick.

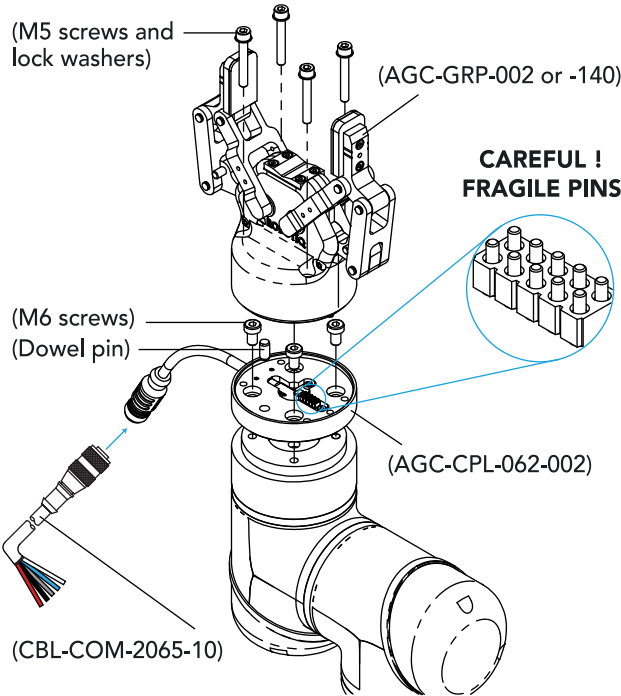


**BEFORE OPERATING THE FORCE SENSOR, PLEASE READ INSTRUCTION MANUAL.**



## 4. MOUNTING

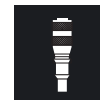
- Mount the coupling (AGC-CPL-062-002) on your robot arm. Align with the provided dowel pin\*.
- Fix using the provided M6 screws (use of threadlocker is recommended).
- Mount the Gripper (AGC-GRP-002 or -140) on the coupling. Align with the dowel pin\*.
- Fix using the provided M5 screws and lock washers.
- Plug the device cable (CBL-COM-2065-10) into the gripper's pigtail and fix the cable along the robot arm using a cable routing system.



\*The dowel pin is meant to have a tight fit on the robot side and a slip fit on the effector side of the assembly.

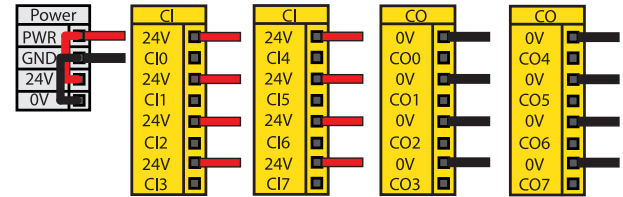


**LEAVE ENOUGH EXCESS CABLE TO ALLOW FULL ROBOT MOVEMENT.**

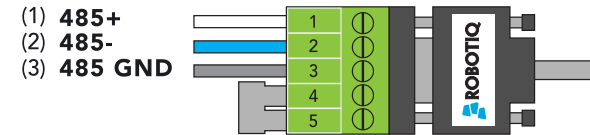


## 5. WIRING

- The red (24V) and black (0V) wires of the device cable (CBL-COM-2065-10) provide power to the sensor.
- Connect the red wire to a 24V pin.
- Connect the black wire to a 0V pin.



- Connect the white (1), blue (2) and bare (3) wires to the USB converter (ACC-ADT-USB-RS485) as shown.



- Connect the USB converter in the UR controller.



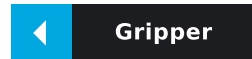
## 6. SOFTWARE INSTALLATION

- Have a USB stick handy that contains the .urcap file (see step 3).
- Insert the USB stick in the robot's teach pendant.
- Tap **Setup Robot**.
- Tap **URcaps Setup**.
- Tap the + sign.
- Open **Robotiq 2-Finger Adaptive Gripper-X.X.X.urcap**.
- Tap the **Restart** button to restart Polyscope and activate the URCaps.

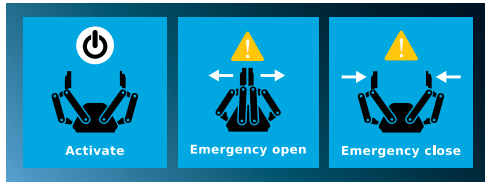


## 7. GRIPPER TOOLBAR

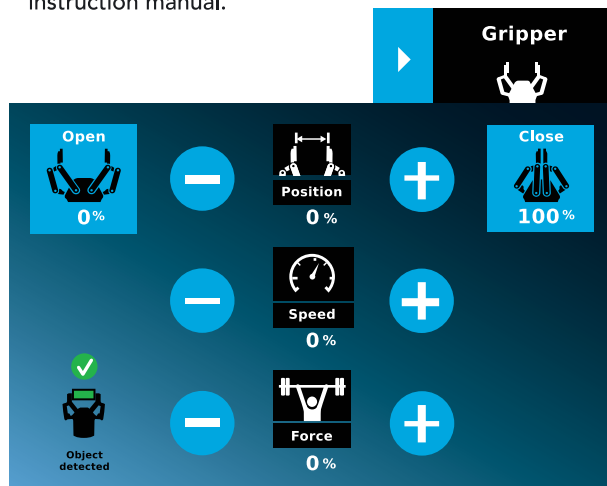
- Once the software is installed, the Gripper toolbar button will appear after a short delay.



- Tap the Gripper button to expand the Gripper toolbar.
- Tap Activate to initialize the gripper and access the toolbar.



- The Gripper toolbar allows you to jog and test the gripper. For more information, refer to the instruction manual.



## 8. HOW TO PROGRAM THE GRIPPER

- From your robot program, go in the **Structure** tab.
- Go in the **URCaps** tab.
- Tap the **Gripper** button.
- Go in the **Command** tab to edit your gripper's action.
- More information on how to program the gripper using URCaps can be found in the instruction manual.

## ORDER INFORMATION

Below are your product codes and serial numbers.

Please keep this information for your logs.

When contacting Robotiq support, please have this information handy.



## ADAPTIVE GRIPPER 2-FINGER 85 & 140

### QUICK START GUIDE

For installation on  
Universal Robots



New product has a 1 year warranty from the above date.  
Refer to your product instruction manual for details.

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

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