

THANK YOU FOR CHOOSING ROBOTIQ

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



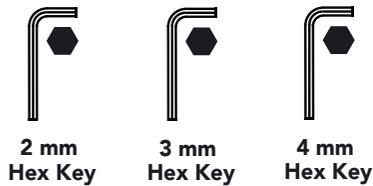
1. WHAT IS SUPPLIED?

Standard upon delivery of an HANWHA Robots kit:

- 2-Finger Adaptive Gripper ..(GRIPPER-2F85 or -2F140)
- Gripper Coupling (GRP-CPL-062)
- Parallel Locking Pins(AGC-PARA-KIT)
- High-Flex Device Cable(CBL-COM-2065-10-HF)
- USB to RS485 Adapter(ACC-ADT-USB-RS485)
- Necessary Hardware



2. TOOLS YOU NEED



3. GET THE LATEST

- Browse to support.robotiq.com
- Download the plugin at the root of the USB stick.

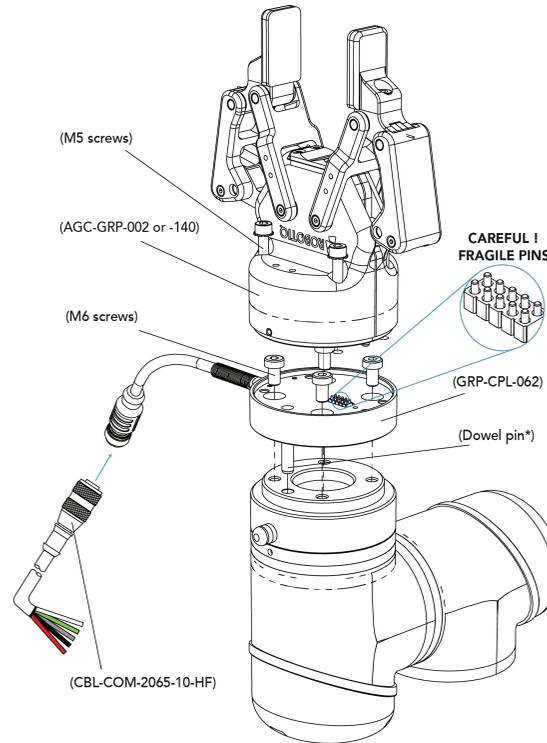


BEFORE OPERATING THE GRIPPER, PLEASE READ INSTRUCTION MANUAL.



4. MOUNTING

- Mount the coupling (GRP-CPL-062) on your robot arm. Align with the provided dowel pin*.
- Fix using the provided M6 screws (use of threadlocker is recommended).
- Mount the Gripper (GRIPPER-2F85 or -2F140) 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-HF) 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.

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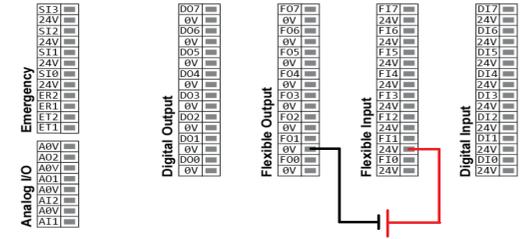


LEAVE ENOUGH EXCESS CABLE TO ALLOW FULL ROBOT MOVEMENT.

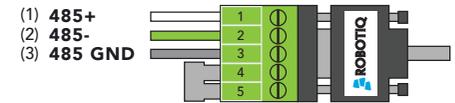


5. WIRING

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



- Connect the communication wires in the USB converter (ACC-ADT-USB-RS485) as shown.



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 USB converter to the Hanwha controller.



6. SOFTWARE INSTALLATION

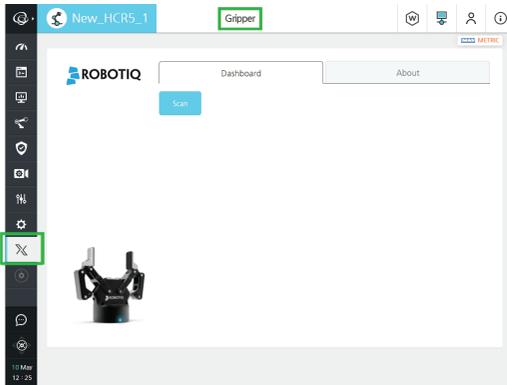
To install the plugin, you must be logged in as an administrator.

- Have a USB stick that contains the plugin (step 3).
- Insert the USB stick in the teach pendant or controller
- In the left pane, select **Management**
- Tap on **Plugin Management** tab
- Tap the **Add** button to launch the file explorer. Then, the external and internal storage paths are displayed
- Select the plugin you want to install and click the **OK** button
- To get back to normal operations, restart the system.



7. ACTIVATE THE GRIPPER

- Go to the **RodiX** menu on the left and select **Gripper**.



- If no device is detected, tap the **Scan** button.
- Once a device is detected, tap the **Activate** button. The gripper will go through its' activation cycle.

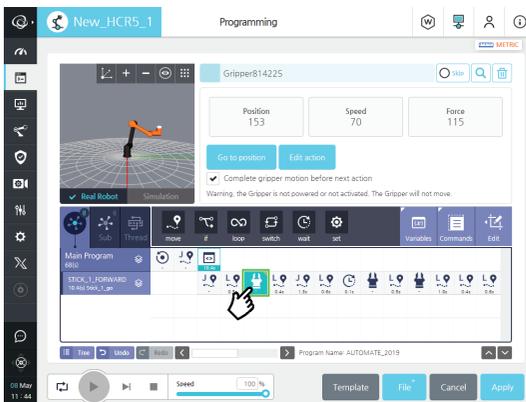


8. TEST AND JOG THE GRIPPER

- In the dashboard, the Gripper can either be closed or opened, using the E-Open or E-Close button.

To control the gripper directly from the program:

- Insert a gripper node in the program (see step 9)
- Tap the **Gripper** icon in the program to display Gripper settings.

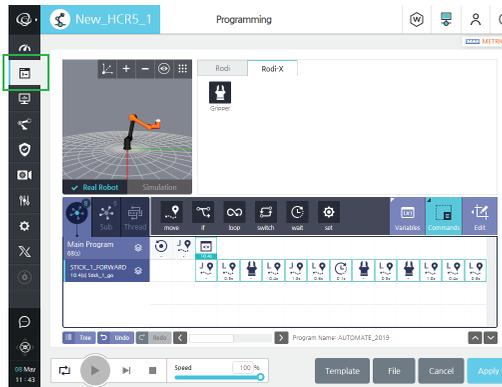


- To change the settings and jog the gripper, tap the **Edit action** button.
- Once done, tap the **Save action** button.

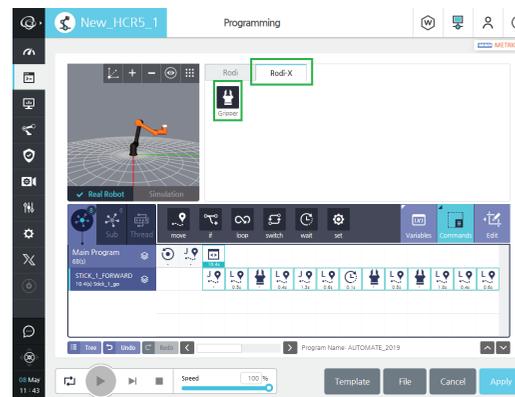


9. USE NODES TO PROGRAM WITH THE GRIPPER

- Go to the **Command** tab



- Tap the **RodiX** tab at the top of the screen and then tap the **Gripper** icon to insert a gripper node.



2F-85 & 2F-140 ADAPTIVE GRIPPERS

QUICK START GUIDE

For installation on HANWHA Robots



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

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