

Congratulations on your new RG2-FT Industrial Robot Gripper !

Scope of delivery for standard RG2-FT gripper



The **RG2-FT User Manual** is enclosed in the USB stick

Getting started

• To get started follow the steps in page 2-3-4



WARNING: It is important that the user/implementer of this product has understood the **RG2-FT** and the Universal Robots <u>User Manuals</u> before connecting the gripper.

Update your RG2-FT functionalities

In the future, new functionalities will be released.

Check regularly www.onrobot/support/ to get the latest:

- RG2-FT Software Package
- RG2-FT User Manual

1 Mount RG2-FT



- 1. Place the bracket 💿 on the robot flange
- 2. Tighten M6 screws (4 pcs) 🕕
- **3.** Place RG2-FT (a) on the bracket (b) as shown on the image
- 4. Tighten M4 screws (6pcs) м
- 5. Connect the RG2-FT cable 💿 to the Gripper



6. Fix the RG2-FT cable to the robot with the cable holder **N**

8. Use the cable **1** to connect the Compute Box **1** to the robot controller

9. Use the cable (1) to power the Compute Box (5) from the robot controller

2 Install RG2-FT Software Package



1. With the system powered on, insert

the **USB stick** into the teach pendant

- 2. To confirm the installation process press "Install"
- **3.** Wait for system to reboot (it can take a while approx. 1min)
- 4. Press "Go to initialization screen"
- 5. Press "ON"
- 6. Press "START"
- 7. Press "OK" the installation is finished



3 Connect to RG2-FT



- 1. Press the "Installation" tab
- 2. Press "OnRobot FT setup"
- **3.** Select the RG2-FT from the "**Discovered devices**" If there is only one available device it will connect automatically
- 4. Wait for the green signal
- 5. Press "Load/Save" to save settings. Your RG2-FT is ready to use!

4 Add an RG2-FT Node – e.g. F/T Width control

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- 1. Press the "Program" tab
- 2. Press the "Structure" tab
- 3. Press the "URCaps" tab

- 4. Press "F/T Width"
- 5. Press "Command" tab

5 Open/Close the RG2-FT with the F/T Width node

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1. Press the "Command" tab

Method 1

- A2. The "Current width" shows actual width of the RG2-FT
- A3. Set the desired RG2-FT "W(Width)"
- A4. Long press the Play button to execute command

Method 2

- **B2. Open** the RG2-FT by using the button (hold-to-run)
- **B3.** Close the RG2-FT by using the button (hold-to-run)
- **B4.** Press the **Save button** to save the gripper actual width in the current node (Optional)

Functions valid for both methods

- 5. Set the F(Force)
- 6. Set the Payload (workpiece weight)
- 7. Enable or disable "Depth Compensation" (See functionality in User Manual 3.3.1)
- **8.** Enable or disable **"Automatic centering"** (See functionality in User Manual 3.3.1)



NOTE:

After installation, example programs are available on the robot, in the following folder **Programs/OnRobot_UR_Programs**