

TIRAX

Manual

XR Scenario Learner Guide



TI-RAX

Teach Industrial Robotics with AI and XR

Title:	Manual XR Scenario Learner Guide
Version:	0.1 (21 febbraio 2026)
Beneficiaries:	University of Cagliari, R2M Solution Srl
Authors:	Mirko Marras (University of Cagliari), Andrea Giovanni Martis (University of Cagliari), Diego Reforgiato Recupero (University of Cagliari), Daniele Riboni (University of Cagliari), Giuseppe Scarpi (R2M Solution Srl)
Mentor:	Panagiotis Karagiannis (University of Patras)

Dissemination level	
Public	X
Restricted to members of the organizations that signed the agreement	
Restricted to a specific group of members of the organizations that signed the agreement	
Confidential, only for the appointed contacts	

Introduction

This guide explains how to launch and play a TI-RAX training scene using the **VIROO Single Player**, the application developed under the **MASTER-XR project** that allows you to run immersive training experiences on your computer or in virtual reality. The training experience can be run autonomously on the **computer screen (Desktop mode)**, or in **Virtual Reality (XR mode)** using a headset.

Equipment

- A Windows 10 or Windows 11 computer with a stable Internet connection.
- Your MASTER login credentials (or the public credentials provided for the session).
- (Optional) A supported headset.

Hardware Requirements

Computer Requirements

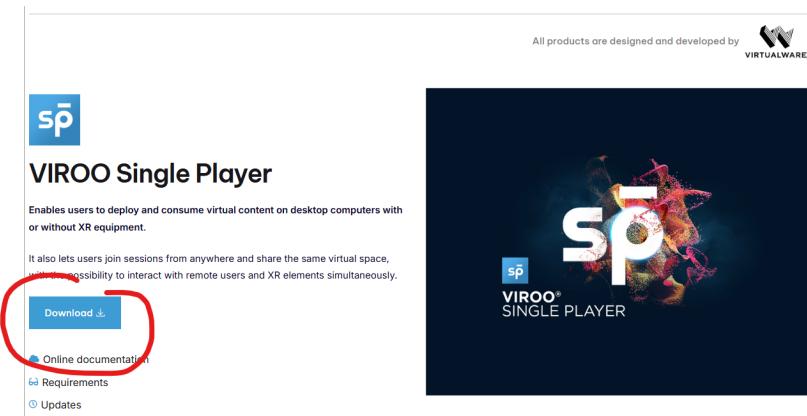
Component	Desktop (Minimum)	XR (Minimum)	XR (Recommended)
Windows Version	10 or 11	10 or 11	10 or 11
Processor	Intel i5 / AMD equivalent	Intel i5 / AMD equivalent	Intel i5 / AMD equivalent
Graphics	Basic graphics support	NVIDIA GTX 1060 or better	NVIDIA GTX 1060 or better
Memory (RAM)	4 GB	8 GB	16 GB

Headset Requirements

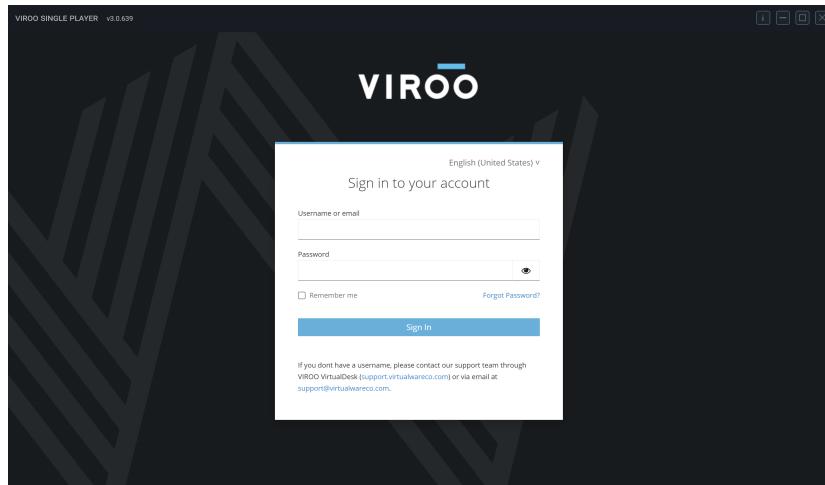
- **HTC:** Vive, Vive Pro, Vive Focus 3, VIVE XR Elite, Vive Focus Vision
- **PICO:** Neo 3 Pro, PICO 4, PICO 4 Enterprise
- **Meta:** Quest 2, Quest 3

Scene Launch Procedure

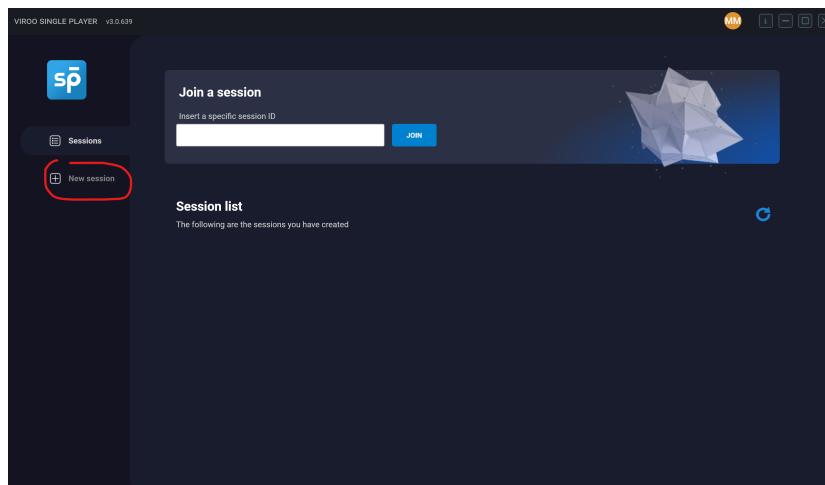
1. **Download and install VIROO Single Player.** Go to <https://viroo.virtualwareco.com/resources/players/>, then download and install the *VIROO Single Player* software.



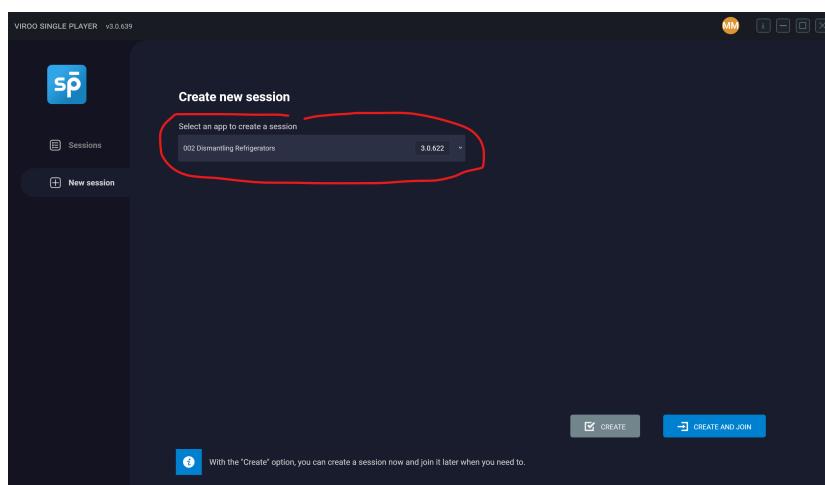
- 2. Enter the VIROO Single Player.** Open the application and authenticate using your MASTER credentials or the public credentials provided for the training session.



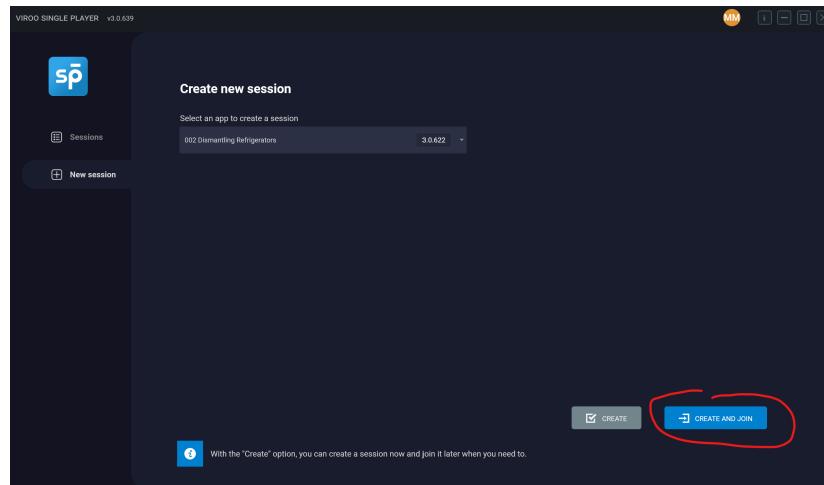
- 3. Open the New Session Panel.** From the main screen, click *New session* in the left menu.



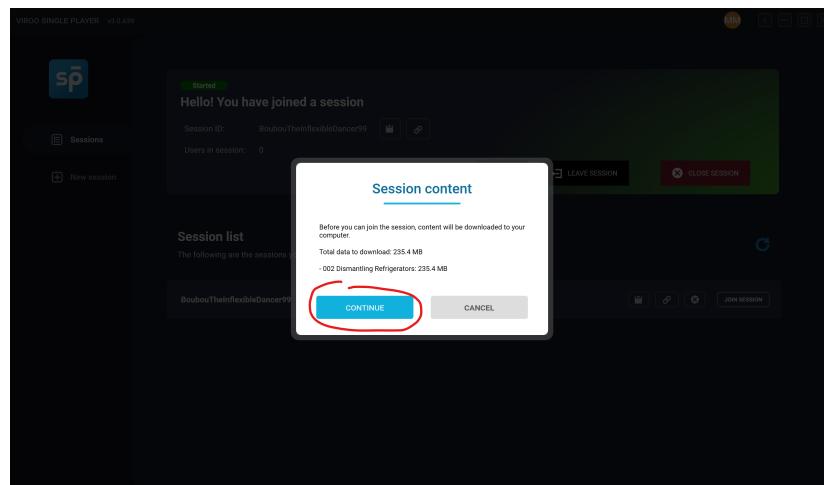
- 4. Select the Training Scene.** Choose the TI-RAX application to play with from the dropdown list (e.g., 002 Dismantling Refrigerators).



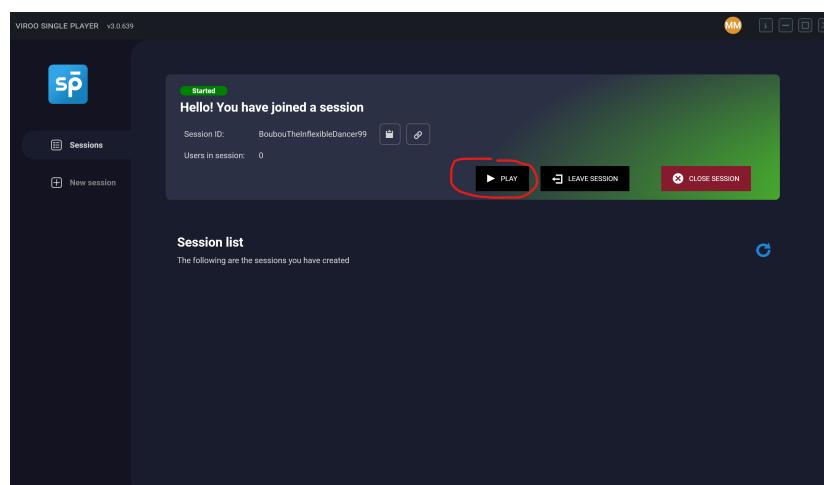
5. **Start the Session.** Click *Create and Join* to immediately create the session and enter it.



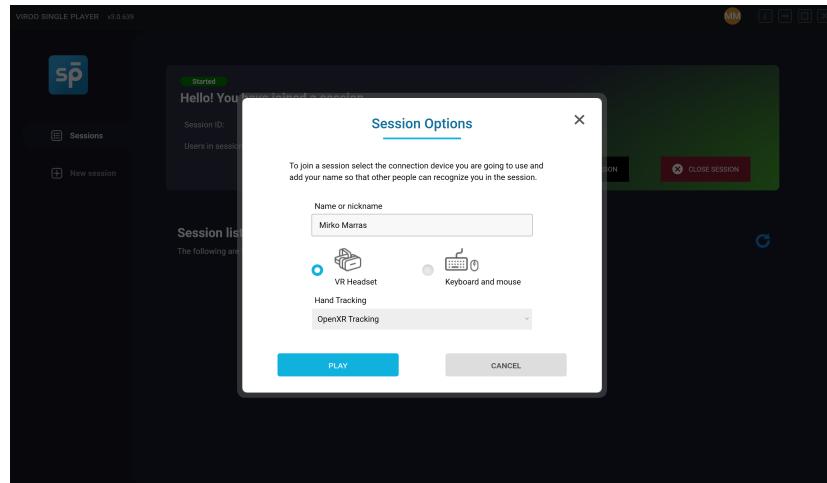
6. **Download the Session Content.** When the Session content window appears, click *Continue* to download the required files.



7. **Enter the Session.** When the session is ready, click the *Play* button to start the training experience.



8. **Choose the Control Mode.** Enter your name, choose *VR Headset* (for immersive mode), or *Keyboard and mouse* (for desktop mode), then click *Play*.



9. **Start the Training.** The virtual environment will load. Follow the on-screen instructions to complete the tasks in the scenario.

