



ScanPilot

Turn barcodes into actions!

What is ScanPilot?

ScanPilot is a URCap for Universal Robots that transforms barcode scans into dynamic robot actions—without needing external PLCs. Designed for high-mix production, it streamlines program selection, boosts reliability, and enables truly adaptive automation.

Key Benefits

✓ Barcode-Driven Program Control

Instantly load and run robot programs with a barcode scan - no menus, no errors.

✓ Smart Logic with ScanCase Node

Build switch-case logic inside your robot program, triggered by scanned barcodes.

✓ On-the-Fly Program Switching

Dynamically jump between UR programs and installations during runtime.

✓ Freedrive Toggle & Safety

Activate freedrive mode with one tap - ideal for easier and safer manual repositioning.

✓ Plug & Play

Works with any USB HID barcode scanner. Quick install via USB stick.


Core Features

- **ScanPilot Toolbar:**
Scan barcodes, toggle freedrive, and stop execution - all from a top-bar icon on the teach pendant.
 - **ScanCase Node:**
Interactive logic tree that maps specific barcodes to specific robot actions.
 - **Program Switcher Node:**
Switch between Programs and even installations during runtime
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Technical Specs

- **URCap Version:** v2.3.3
 - **PolyScope Compatibility:** ≥ 5.11
 - **Scanner Requirements:** USB HID mode, ends input with “Enter”
 - **Demo Available:** Yes
 - **Installation:** Drag-and-drop .urcap file onto USB, install via teach pendant
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ScanPilot – Error-free robot control. Fast, flexible, and operator-friendly.

 Ideal for UR+ partners building intuitive, scalable automation solutions.