

JAKA[®]

**Cobot
Introduction**

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Just Always Keep Amazing



JAKA



Overview

01 Cross-Platform

02 User-friendly

03 Extensible

Cross-Platform



PC



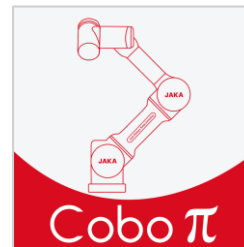
PAD



Pendant



Browser



Launcher

- Accessible from All operating systems
- No installation needed

- Full screen UI
- Click-to-run

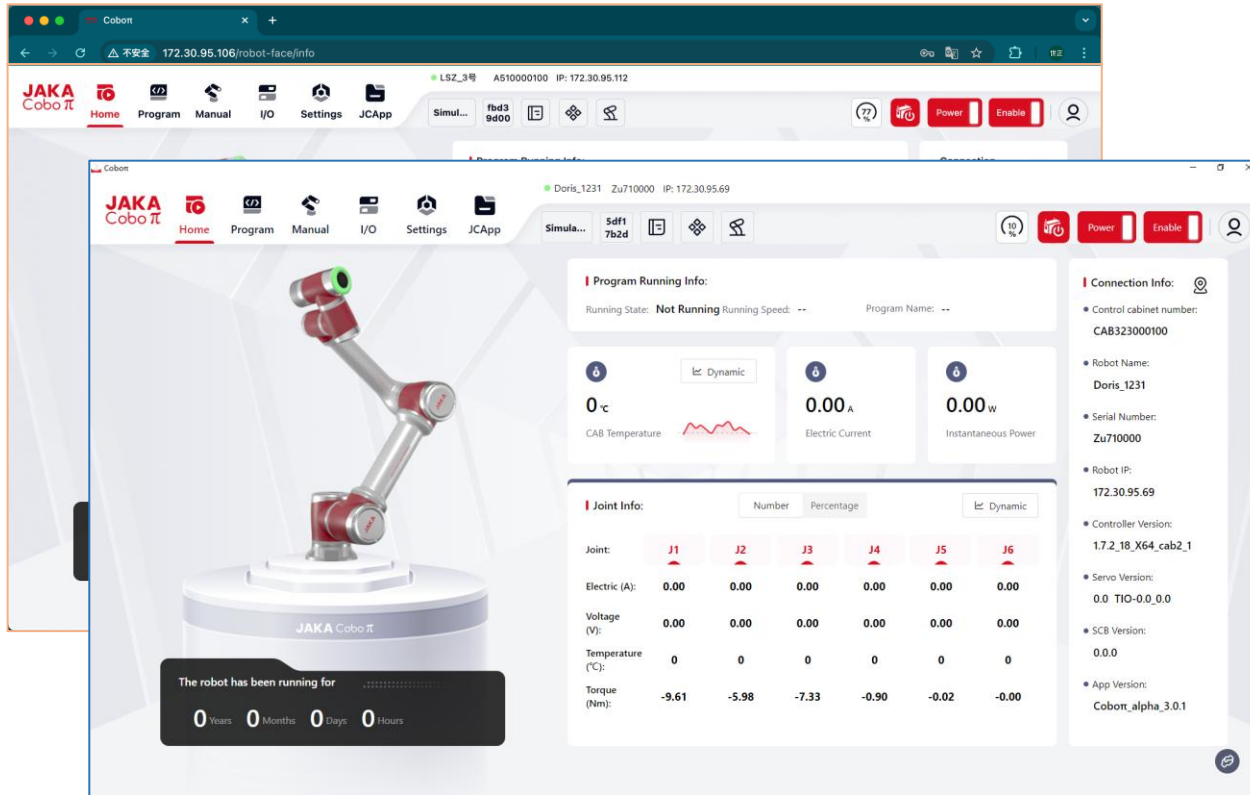
Built-in User Manual

The image displays the JAKA programming interface. At the top, there is a navigation bar with icons for Home, Program, Manual, I/O, Settings, and JApp. The main workspace is a grid-based environment for programming robot movements. A sidebar on the left contains various command blocks categorized by function: Move, I/O, Control, Calculate, Str., Character, Com, Sub, Variable, and Extend. A yellow 'New Program' button is visible in the center of the workspace. Overlaid on the right side is a browser window titled 'JAKA Programming' which serves as the built-in user manual. This manual window includes a search bar, a 'Robot is in an' status indicator, and sections for 'Programming', 'Interface Overview', 'Common Functions Overview', and 'Commands List'. The 'Interface Overview' section contains a smaller screenshot of the programming interface with red boxes highlighting key areas like the 'Management Section' and 'Back Action Buttons'.

Instant Access to the Guidance

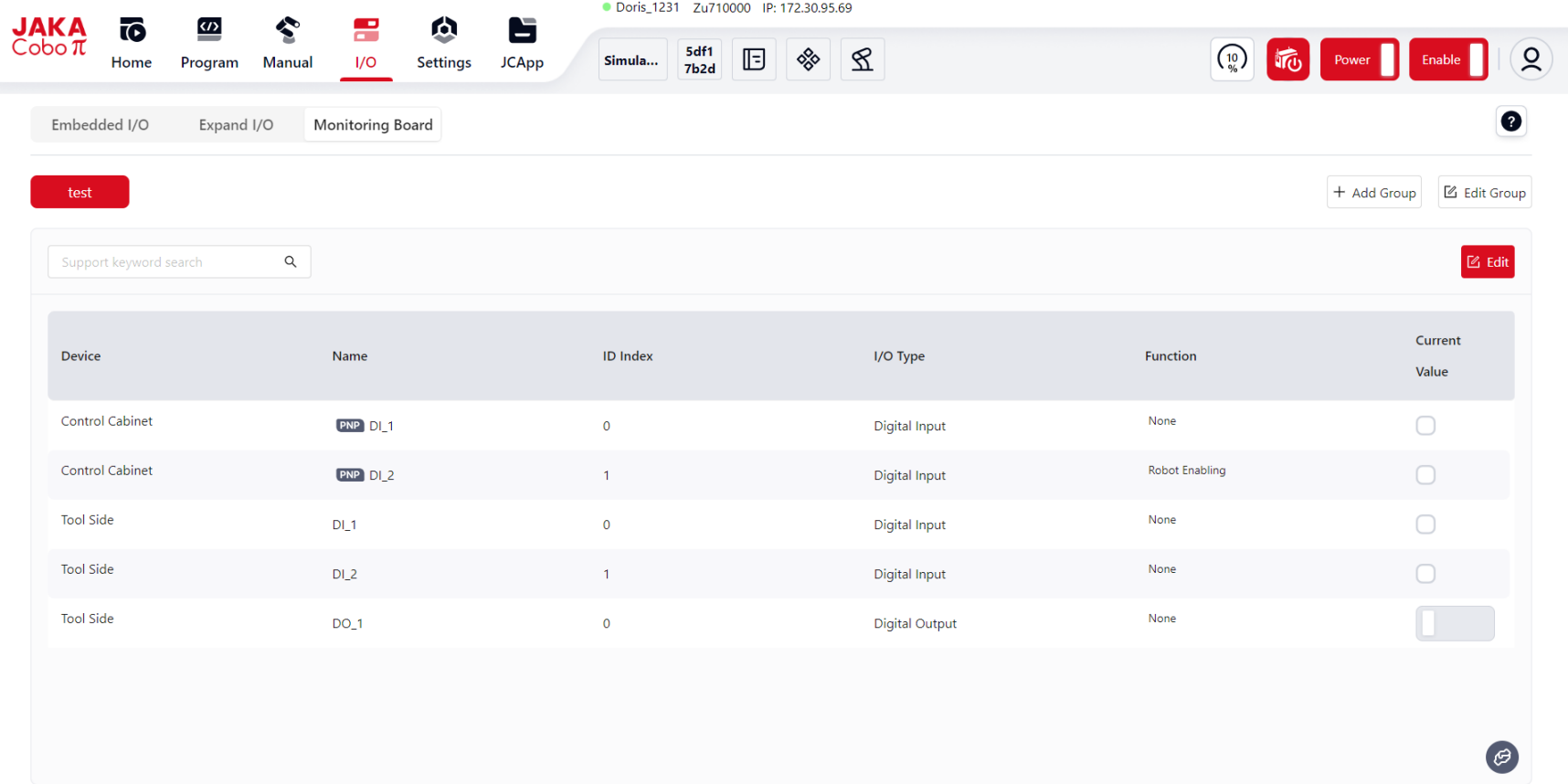
Easily navigate through features, setup, and troubleshooting without leaving the platform.

Pre-installed



From 2025, Coboπ is pre-installed on the cobot controller, overcoming UI-firmware compatibility issues

Customizable I/O Monitoring Board

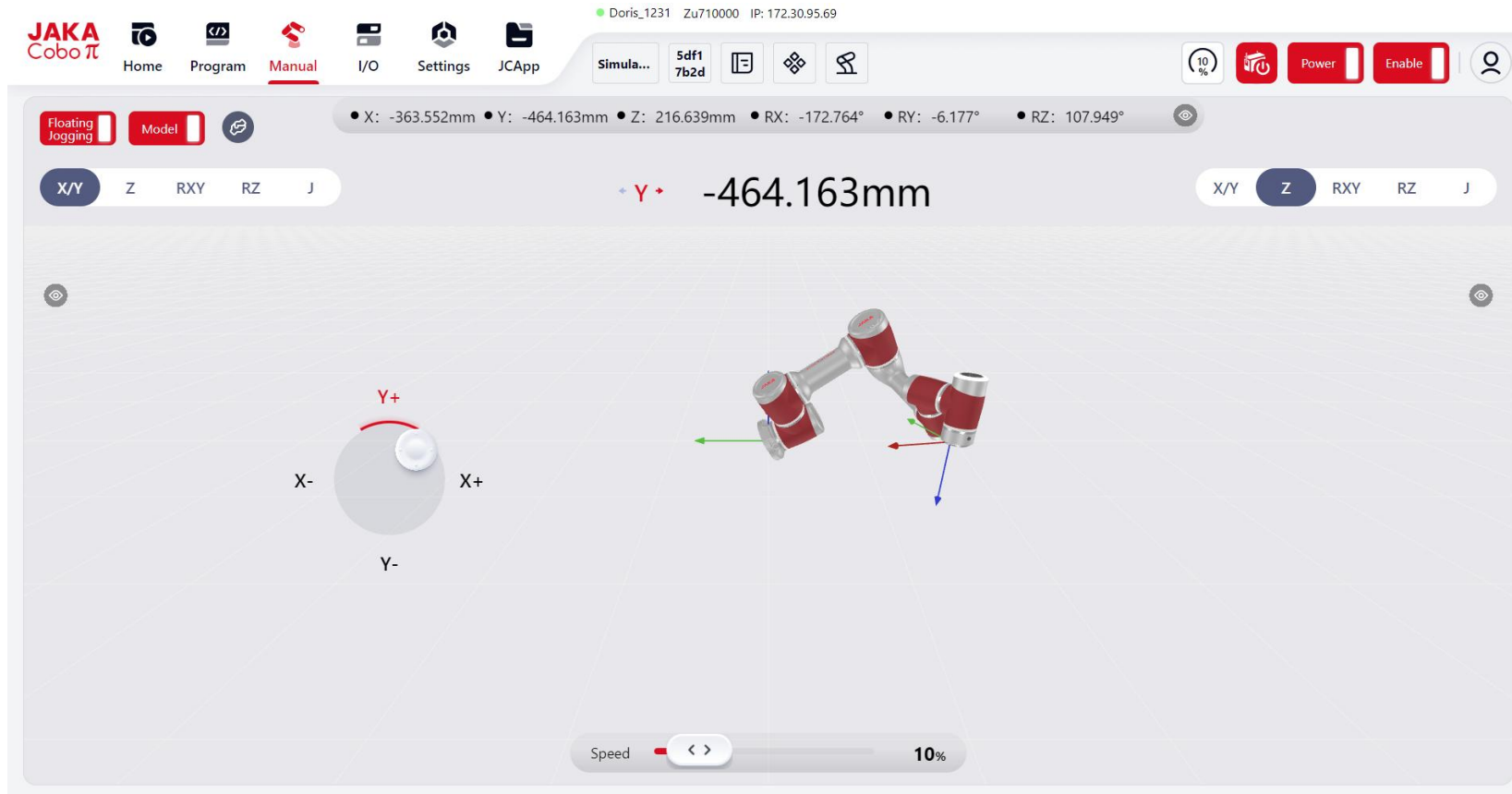


The screenshot shows the JAKA I/O Monitoring Board interface. At the top, there is a navigation bar with icons for Home, Program, Manual, I/O (highlighted), Settings, and JApp. A status bar shows 'Doris_1231 Zu710000 IP: 172.30.95.69'. Below the navigation bar, there are tabs for 'Embedded I/O', 'Expand I/O', and 'Monitoring Board'. A 'test' button is visible on the left. The main area contains a search bar with the text 'Support keyword search' and an 'Edit' button. Below the search bar is a table with the following data:

Device	Name	ID Index	I/O Type	Function	Current Value
Control Cabinet	PNP_DL1	0	Digital Input	None	<input type="checkbox"/>
Control Cabinet	PNP_DL2	1	Digital Input	Robot Enabling	<input type="checkbox"/>
Tool Side	DL1	0	Digital Input	None	<input type="checkbox"/>
Tool Side	DL2	1	Digital Input	None	<input type="checkbox"/>
Tool Side	DO1	0	Digital Output	None	<input type="checkbox"/>

The I/O module adds a monitoring board to support grouping of different devices, different communications, and different data types, integrating the IOs that need to be monitored quickly.

Floating Jog



Enhancing Teaching Flexibility.

After selecting the direction, simply tap any blank area on the screen to control the robot's movement.

Refactored Navigation

The screenshot displays the JAKA Cobot control interface. At the top left, the JAKA Cobot logo is visible. A navigation bar contains icons for Home, Program, Manual, I/O, Settings, and JApp. The main area features a 3D simulation of the robot arm on the left. To the right, there are several data panels: 'Program Running Info' showing 'Running' status at 10% speed; 'Connection Info' showing '不能连' (cannot connect); 'CAB Temperature' at 0°C; 'Electric Current' at 0.00 A; 'Instantaneous Power' at 0.00 W; and 'Joint Info' table. A bottom status bar indicates the robot has been running for 0 years, 0 months, 0 days, and 0 hours.

不连接 Zu7250099 IP: 172.30.0.182 Program: 执行程序

Simulation a472 8856

Home Program Manual I/O Settings JApp

Program Running Info:
Running State: **Running** Running Speed: 10% Program Name: 执行程序

Connection Info:
Robot Name: 不能连
Serial Number: Zu7250099
Robot IP: 172.30.0.182
Controller Ver: 1.7.1_36_rc_3
Servo Version: 0.0 TIO-0.0
SCB Version: 0.0.0
App Version: Cobot_2.0.1

CAB Temperature: 0°C
Electric Current: 0.00 A
Instantaneous Power: 0.00 W

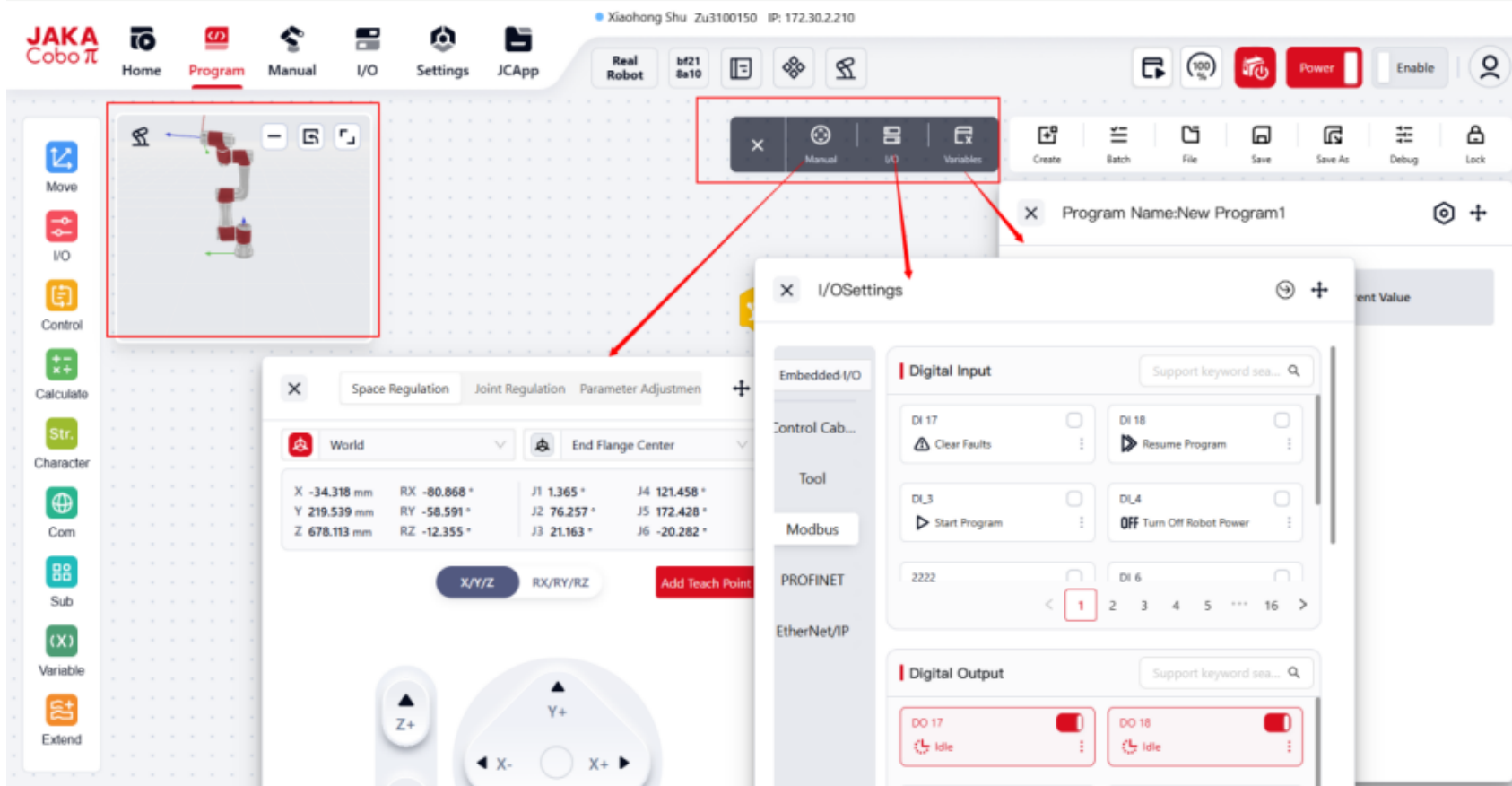
Joint Info:	Number	Percentage	Dynamic			
Joint:	J1	J2	J3	J4	J5	J6
Electric (A):	0.00	0.00	0.00	0.00	0.00	0.00
Voltage (V):	0.00	0.00	0.00	0.00	0.00	0.00
Temperature (°C):	0	0	0	0	0	0
Torque (Nm):	-15.38	24.18	31.84	1.02	-2.82	2.30

The robot has been running for 0 Years 0 Months 0 Days 0 Hours

Streamlined for Faster, More Intuitive Control.

Improved layout and enhanced responsiveness for an effortless user experience.

Quick access bar in Programming module



The programming control page adds manual and I/O modules, and the window supports drag-and-drop movement and custom size to improve programming efficiency

Batch Copy

The screenshot displays the JAKA Cobo Pi software interface. The top navigation bar includes 'Home', 'Program', 'Manual', 'I/O', 'Settings', and 'JCAp'. The main workspace shows a 3D model of a robot arm and a block-based programming environment. A 'Loop Always' block is selected, containing three 'MoveJ' blocks labeled P1, P2, and P3. A context menu is open over the selected block, with 'Copy to Clipboard' highlighted. A 'Clipboard' dialog box is open, showing a table of copied programs.

Program Name	Date	
新建程序Aa678	2024-12-03 16:54:01	🗑️
新建程序Aa678	2024-12-03 16:53:53	🗑️

Gray disabled blocks

The screenshot displays the JAKA software interface for a robotic application. The top navigation bar includes 'Home', 'Program', 'Manual', 'I/O', 'Settings', and 'JApp'. The main workspace shows a sequence of programming blocks:

- Get User Coordinate System: World
- Set TCP
- Switch Working Mode: DefaultMode
- MoveJ (Active)
- MoveJ (Active)
- Laser Seeking Open: Seeking Task 1 Position Register ID 1** (Grayed out)
- Laser Seeking Close: Offset Enabled
- MoveJ (Active)
- Laser Seeking Open: Seeking Task 2 Position Register ID 2
- Laser Seeking Close: Offset Disabled
- MoveJ (Active)
- Laser Seeking Open: Seeking Task 3 Position Register ID 3
- Laser Seeking Close: Offset Enabled
- MoveJ (Active)
- Laser Seeking Open: Seeking Task 4 Position Register ID 4
- Laser Seeking Close: Offset Disabled
- MoveJ (Active)
- Touch Sensing Offset Open: Position Register ID 2 Max Limit 100

A red box highlights the 'Laser Seeking Open: Seeking Task 1 Position Register ID 1' block, which is grayed out, indicating it is disabled. The other blocks in the sequence are active and blue.

User Operation Log

Xiaohong Shu Zu3100150 IP: 172.30.2.210

Home Program Manual I/O Settings JApp

Real Robot bf21 8a10

100% Power Enable

Log

System Log **User Log** All

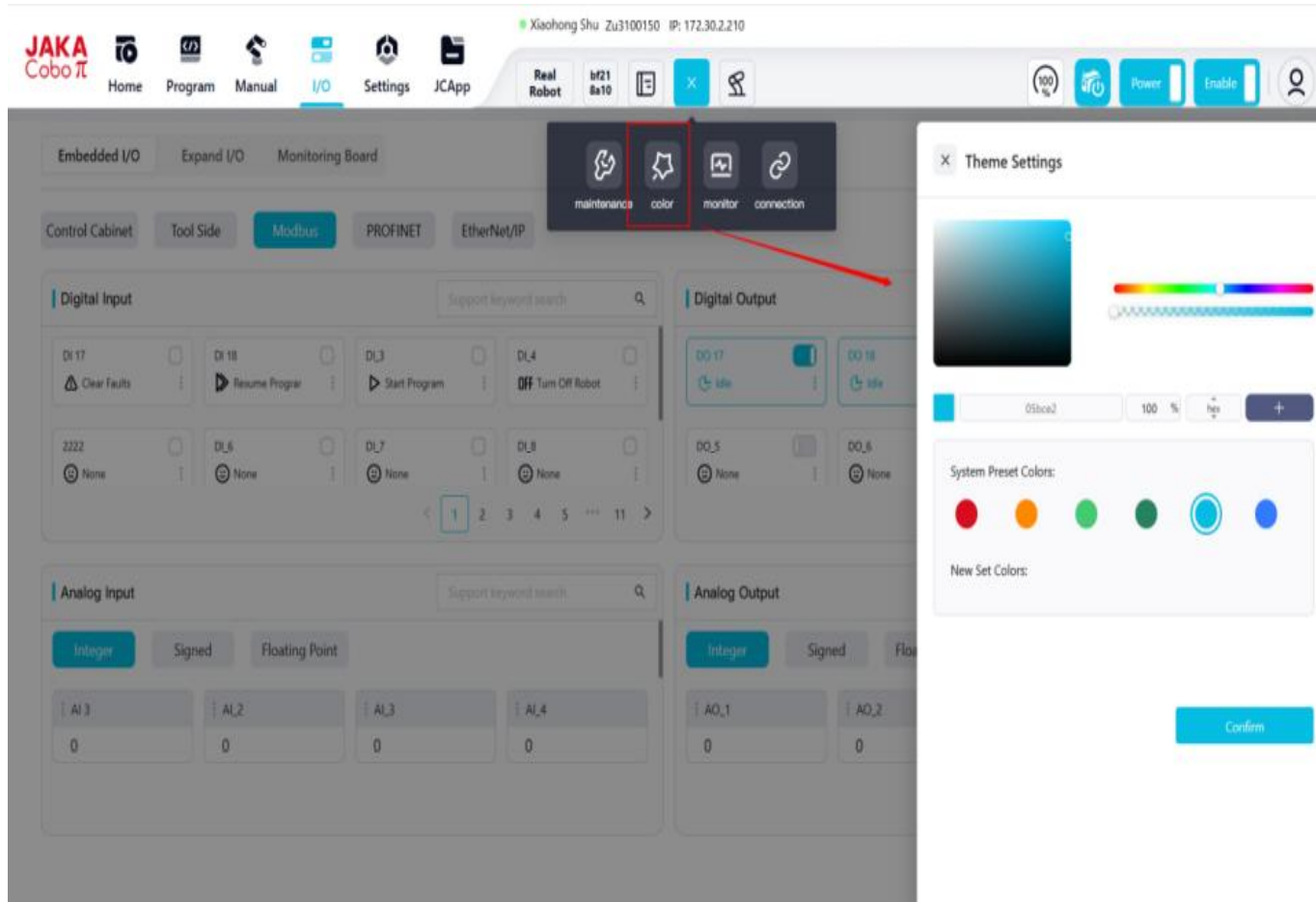
Operation: 2024-11-27 00:00:00 → 2024-12-03 23:59:59 | Last Three Day | **Nearly A Week** | Reset | Refresh | Export

Date:

2024			
1.	Administrator Top Menu	Turn On Robot Power	2024/12/03 14:55:06
2.	Administrator Top Menu	Turn Off Robot Power	2024/12/03 11:03:48
3.	Administrator Top Menu	Turn On Robot Power	2024/12/03 10:52:10
4.	Administrator Top Menu	Turn Off Robot Power	2024/12/03 10:50:29
5.	Administrator Top Menu	Robot Disabling	2024/12/03 10:47:30

< 1 2 3 4 5 ... 9 >

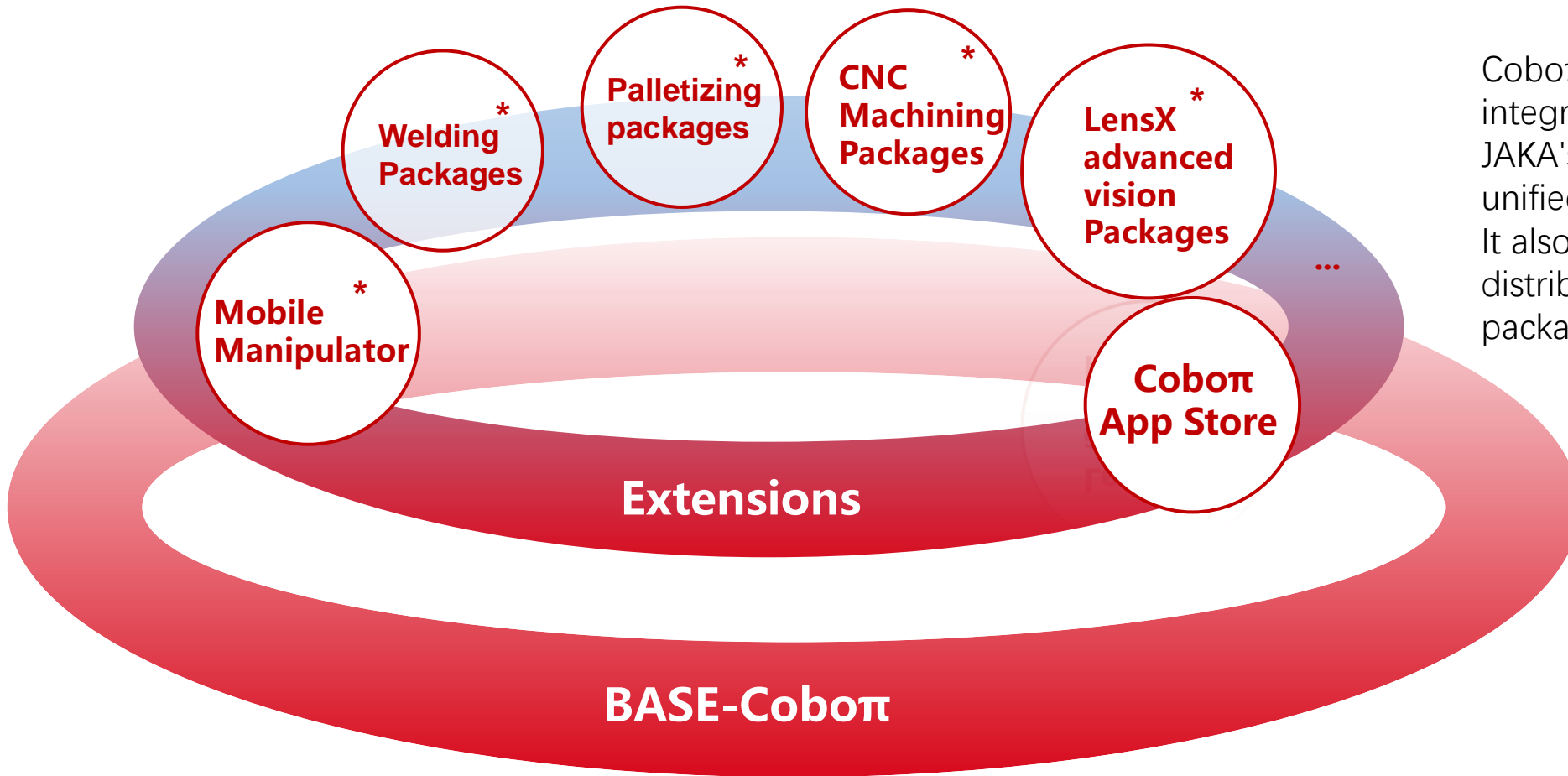
Customizable Primary Color



Tailor the software's look to your brand or preference.

Easily adjust the primary color for a personalized and cohesive user interface.

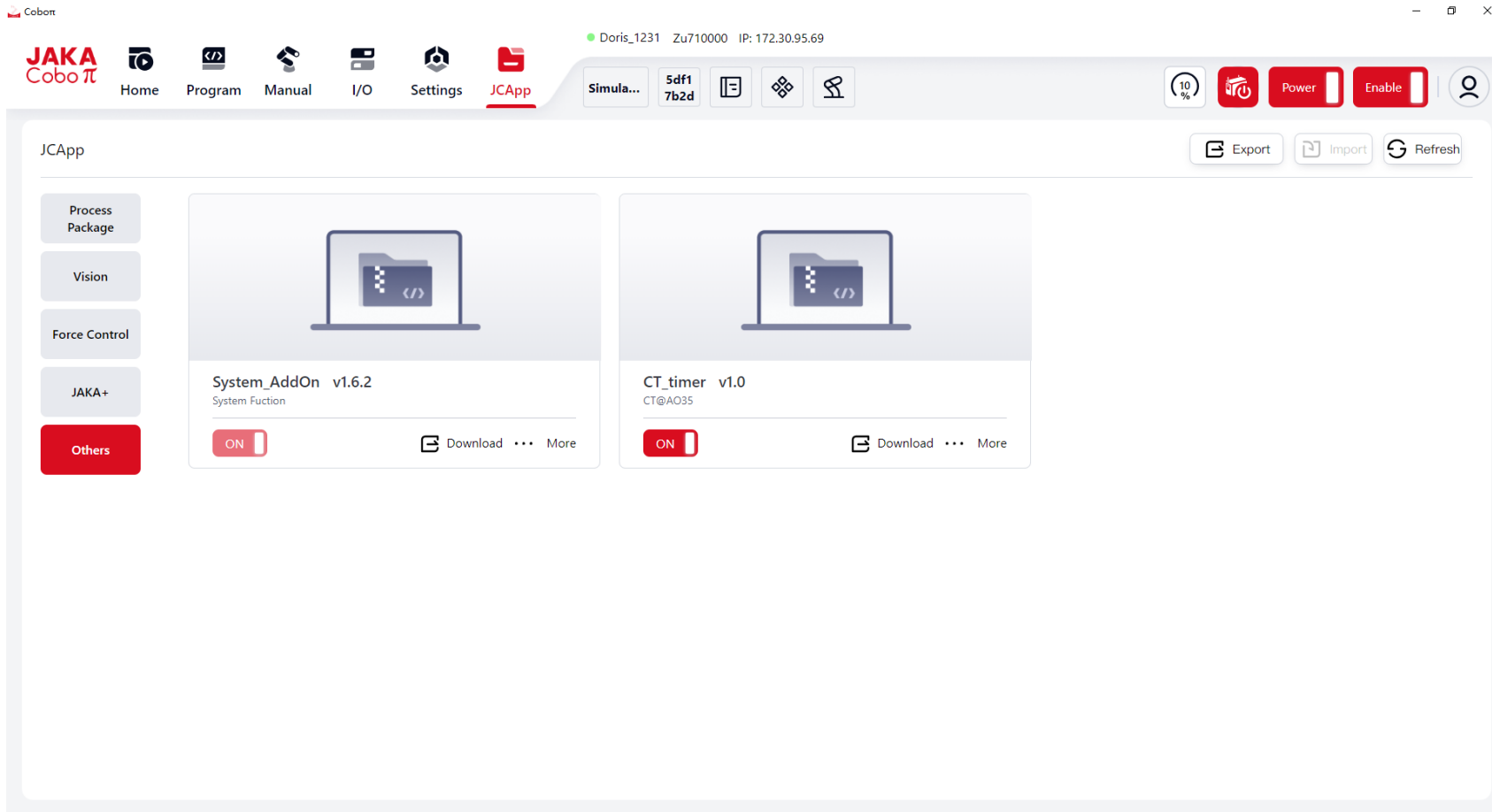
Unified & Extensible



Cobotπ offers a software platform that integrates the operation interfaces of JAKA's various robot categories into a unified user experience. It also features an app store for distributing additional application packages.

* Planned for releasing in Europe

Jaka Cobot App Store



Enables users to download, import, export, configure, and toggle packages.

Applications are managed through the system, including Process Package, Vision, Force Control, JAKA+, and others.

JAKA[®]

THANK YOU

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视频号



官微



小程序