

Support software for PC

# VIP+ Windows

Visual Integrated Programming

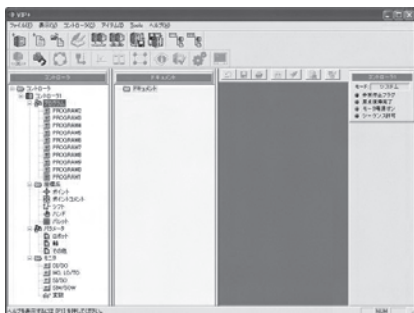
## Applicable controllers ▶ RCX221 RCX222 RCX141 RCX142 RCX240

VIP+ is an easy to operate application software that makes tasks such as robot operation, writing-editing programs, and point teaching easy to visually understand.

## Features New support software VIP with improved ease of use

### 1 GUI updated for enhanced usability

The user interface has been improved with the VIP Windows function kept as it is so as to achieve more ease of use.



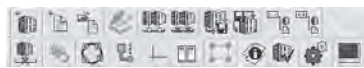
### 2 Data displayed in the tree view form

The data included in the controller is displayed legibly.



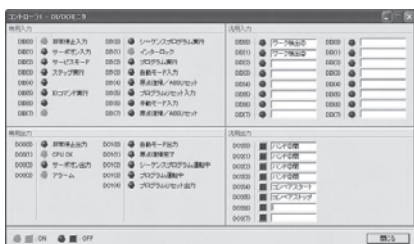
### 3 Fully equipped tool bar

Each of various functions can be executed by simple one click on the tool bar.



### 4 Expanded monitor function

The I/O conditions and variables in the controller can be monitored at real time. In the advanced mode, it is also possible to attach any label (Note) to general purpose input/output and others.



Note. The label is stored in PC.

### 5 Data operation using the new drag & drop function

The data can be stored easily by using the drag & drop function. Likewise, the stored data can be restored to the controller by operating the mouse only.



Select the data to be stored.

Drag the selected data to the document window and drop it there.

Specify the file name and this completes the storage procedure.

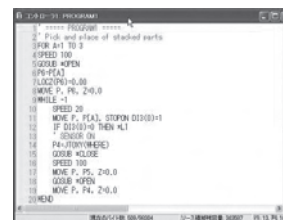
### 6 Input the data in the work sheet form (Parameter, Point data)

It is also possible to copy and paste the data from the other spread sheet (chart calculation software).



### 7 Syntax coloring when editing the program

When reserved words (character string reserved as the robot language) are inputted, they are colored automatically, making them noted at one glance for easier program editing.



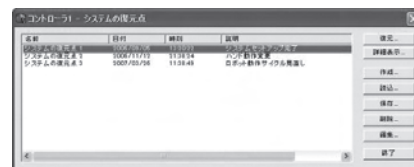
### 8 Program execution monitor

The step being performed during the program execution can be monitored. Thus, it is possible to check which step is performed without stopping the program, thereby debugging of the program is made much easier.



### 9 List appointing (point where the system is restored)

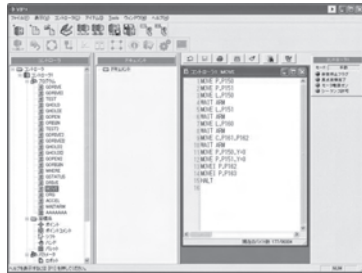
It is possible to create the system restoration point at any timing. By doing so at important points in the system constructing process when, for example, some hing faulty is found after the system was changed, the system can be returned to the state before such change easily.



## VIP PLUS function

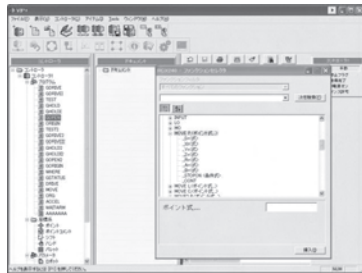
### 1 Easy to use

With a number of robot operation items provided on one screen, any operator can operate easily without memorizing the menu construction.



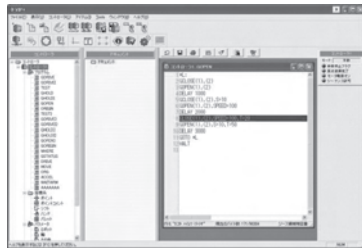
### 2 Programming editing

The program, point, parameter, shift, and hand can be edited on the PC alone. Equipped with the function selector having the command searching function which enables to input the robot language with ease.



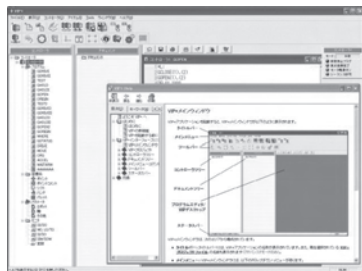
### 3 Data check function

Provided with the equivalent data check function to that of a robot controller, it is possible to correct data errors before operation.



### 4 Help function

When more information is needed during operation, press the [F1] or [HELP] key, and the help screen will appear.



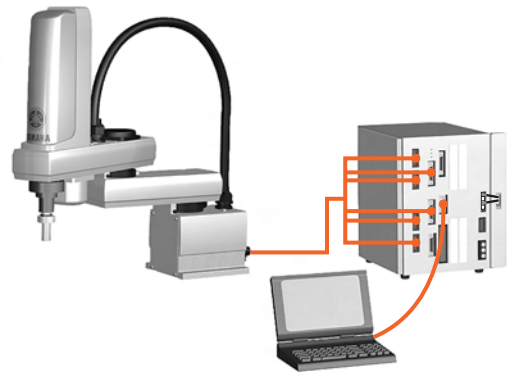
### 5 Robot operation

By connecting PC and controller with communication cable, robot operation will be available by the on-line command.



### 6 On-line editing

Connecting a PC and the controller with a communication cable enable to edit data from robot controllers just as with RPB / RPB-E.

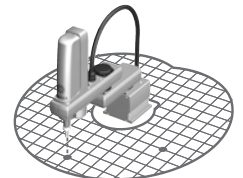


### 7 Creating point data

There are three methods available for creating the point data.

#### ● MDI (Manual Data Input) teaching

The numeric keypad is used to enter position coordinate data directly.



#### ● Remote teaching

The robot arm is actually moved to the target position using the keys for point data registration.



#### ● Direct teaching

The robot arm is manually moved to the target position with the servo motors off for point data registration.

Environment / Ordering method ▶ P412

APPLICATION

TRANSERVO

Compact  
single-axis robots

FLIP-X

Single-axis robots

PHASER

Linear motor  
single-axis robots

XY-X

Cartesian  
robots

YK-XG

SCARA  
robots

YP-X

Pick & place  
robots

CLEAN

CONTROLLER

INFORMATION

Robot  
positioner

Pulse string  
driver

Robot  
controller

IVY

Option

**Support software for PC VIP+**



|       |              |
|-------|--------------|
| Model | KX0-M4966-00 |
|-------|--------------|

**Environment**

|                        |  |
|------------------------|--|
| OS                     | Microsoft Windows 2000/XP/<br>Windows Vista <small>Note The 64 bit version is not subject to the operation warranty.</small> |
| CPU                    | Exceeding the environment recommended by the OS being used   |
| Memory                 | Exceeding the environment recommended by the OS being used   |
| Hard disk              | Vacant capacity of more than 40MB in the installation destination drive  |
| Communication method   | RC232C, Ethernet<br><small>Note. The Ethernet usable unit is required separately for the Ethernet communication.</small>     |
| Applicable controllers | RCX221 / RCX222 / RCX40 / RCX141 / RCX142 / RCX240   |

Note. Windows is the registered trademark of US Microsoft Corporation in U.S.A. and other countries.  
 Note. Ethernet is the registered trademark of US XEROX Corp.

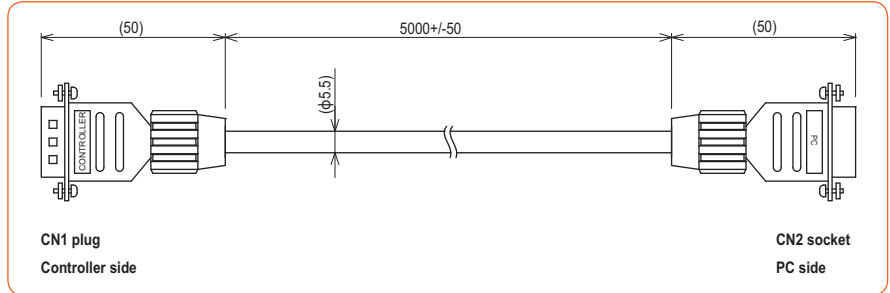
**Data cables (5m)**

Communication cable to connect PC and a controller.



|                           |              |
|---------------------------|--------------|
| Data cable (9Pin-9Pin) 5m | KAS-M538F-10 |
|---------------------------|--------------|

Note. Data cable jointly used for POPCOM, VIP, VIP+.

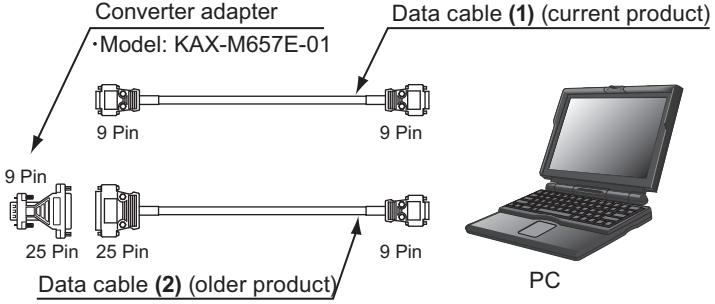


**Data cable / converter adapter matchup table**

|  |   |
|--|---|
| Controller   | <ul style="list-style-type: none"> <li>• RCX221 / RCX222</li> <li>• RCX40</li> <li>• RCX141 / RCX142</li> <li>• RCX240</li> </ul> |
| Data cables  |   |
| [9Pin-9Pin cable]<br>• KAS-M538F-10 (SSC-2-5L)                               | Needs no converter adapter  |
| [9Pin-25Pin cable]<br>• KR7-M538F-10 (SSC-1-3L)<br>• KR7-M538F-30 (SSC-1-5L) | 25Pin-9Pin converter adapter<br>KAX-M657E-01  |

**Controller and data cable connection diagrams**

**RCX221 / 222  
 RCX40  
 RCX141 / 142  
 RCX240  
 (9 Pin)**  
 Controller



|     | Data cables  | Length | Cable model  |
|-----|--------------|--------|--------------|
| (1) | 9pin ↔ 9pin  | 5m     | KAS-M538F-10 |
| (2) | 25pin ↔ 9pin | 3m     | KR7-M538F-10 |
|     | 25pin ↔ 9pin | 5m     | KR7-M538F-30 |