Support software for PC VIP+

| Model  | KX0-M4966-00 |

Environment

- **OS**: Microsoft Windows 2000 / XP / Vista (32bit / 64Bit) / 7 (32bit / 64Bit)
- **CPU**: Processor that meets or exceeds the suggested requirements for the OS being used.
- **Memory**: Suggested amount of memory or more for the OS being used.
- **Hard disk**: 40MB of available space required on installation drive.
- **Communication method**: RS-232C, Ethernet
  - Note: For Ethernet communication, Ethernet unit for RCX series controller is required.

Applicable robot controllers

- RCX221 / RCX222 / RCX141 / RCX142 / RCX240

Data cables (5m)

- Communication cable for VIP+. Select from USB cable or D-sub cable.

<table>
<thead>
<tr>
<th>Model</th>
<th>USB type (5m)</th>
<th>D-Sub type 9pin-9pin (5m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>KBG-M538F-00</td>
<td>KAS-M538F-10</td>
</tr>
</tbody>
</table>

Controller and data cable connection diagrams

- RCX221/222
- RCX40
- RX2141/142
- RX240/240S

Controller

- KAS-M538F-10 (D-Sub)
- KBG-M538F-00 (USB)

PC

9 Pin

Converter

USB connector

9 Pin

9 Pin

Data cables

- USB D-Sub
  - Model
  - USB type (5m) KBG-M538F-00
  - D-Sub type 9pin-9pin (5m) KAS-M538F-10

Note: Data cable jointly used for POPCOM, VIP, VIP+.
Note: USB driver for communication cable can also be downloaded from our website (driver supports VIP+, POPCOM, and TS-Manager).

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Note: Ethernet is a registered trademark of Xerox Corporation.

Programming box

RPB/RPB-E

Applicable controllers

- RCX221
- RCX222
- RCX240
- RCX240S

All operations can be performed from this device including manual robot operation, programming entry and editing, teaching and setting parameters. The display works interactively with the operator so even an absolute beginner can easily learn how to use programming box.

RPB / RPB-E basic specifications

<table>
<thead>
<tr>
<th>Name / Part names and function</th>
</tr>
</thead>
<tbody>
<tr>
<td>External view</td>
</tr>
<tr>
<td>Applicable controllers: RCX221 / RCX222 / RCX240 / RCX240S</td>
</tr>
<tr>
<td>Model: KBK-M5110-10, KBK-M5110-00</td>
</tr>
<tr>
<td>Display: LCD (40 characters 8 lines)</td>
</tr>
<tr>
<td>Emergency stop button: Normally closed contact point (with lock function)</td>
</tr>
<tr>
<td>Enable switch: Not supported</td>
</tr>
<tr>
<td>CE marking: Applicable</td>
</tr>
<tr>
<td>Operating temperature: 0°C to 40°C</td>
</tr>
<tr>
<td>Operating humidity: 35% to 85%RH (non-condensing)</td>
</tr>
<tr>
<td>Dimensions: W180 × H250 × D50mm (Strap holder, emergency stop button not included.)</td>
</tr>
<tr>
<td>Weight: 600g</td>
</tr>
<tr>
<td>Cable length: 5m (Standard), 12m (Options)</td>
</tr>
</tbody>
</table>

Part names and function

- **Display (screen)**: Liquid crystal display (LCD) shows different types of information with 8 lines × 40 characters. Contrast is adjustable.
- **Sheet keys**: These are key switches for operating the robot or entering programs, etc. These are broadly grouped into 3 blocks consisting of function keys, control keys, and data keys.
- **Emergency stop button**: Pressing this button during robot operation sets the robot to emergency stop. These are B contact type switches.

RPB-E Rear side

- 3-position enable switch (only on RPB-E)
  - This switch is usable as part of an external (remote) safety circuit.
  - Pressing this switch forwards or releasing it cuts off the (RPB/robot) circuit. However that circuit is operable when this switch is in middle position.
  - This enable switch is usually operable in service mode. It functions as part of an external safety circuit so that releasing the enable switch or pressing it forwards sets the robot to emergency stop.