Manuals+ — User Manuals Simplified.

JBC SKR Starter Kit for Robot Instruction Manual

Contents

JBC SKR Starter Kit for Robot Instruction

This manual corresponds to the following references: SKR-A

Packing List

The following items are included:

- Module for Starter Kit* ………………………. 1 unit
- USB A/B Cable …………………………………..1 unit
  Ref. 0021042

- Communications cable 3m …………………..1 unit
  Ref. 0029626
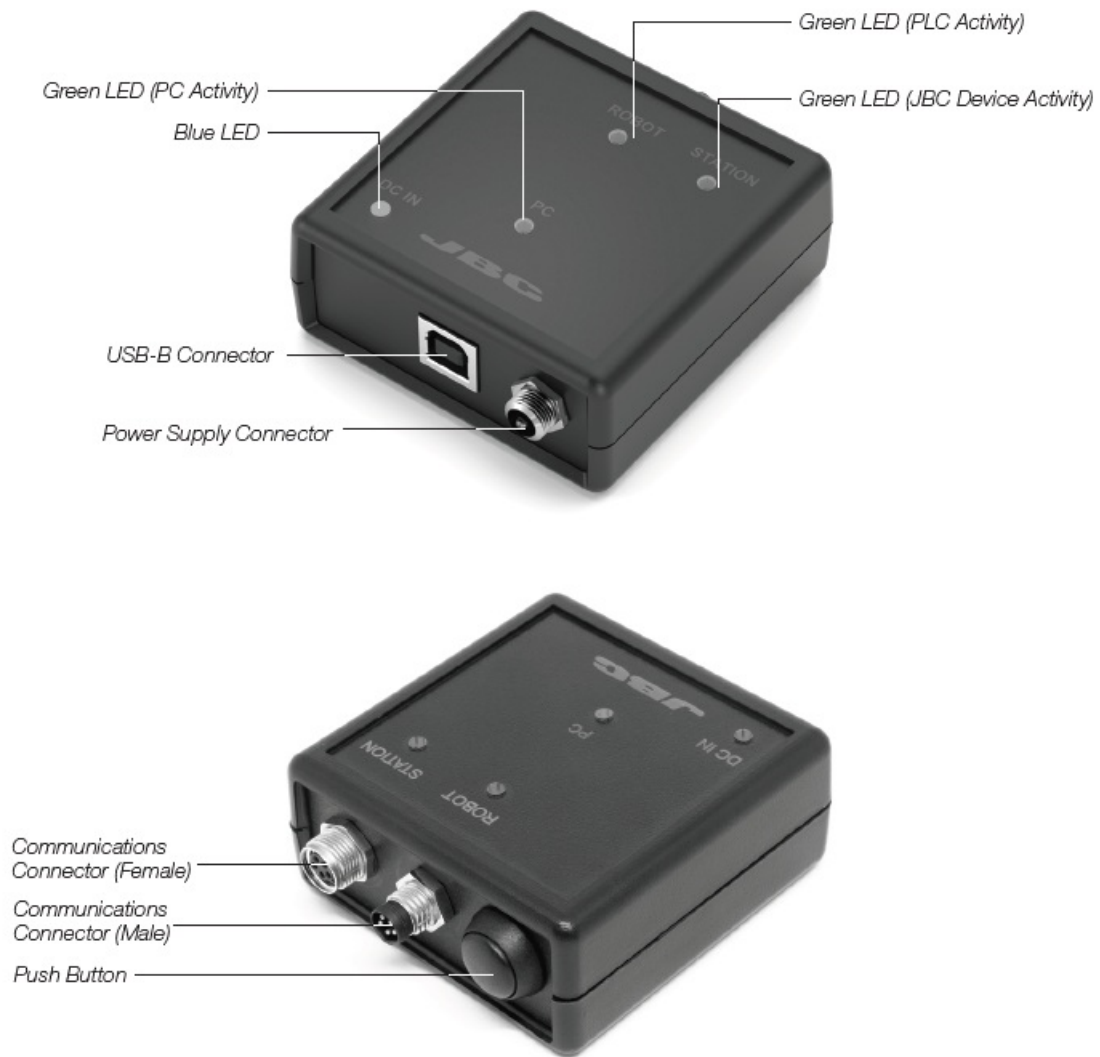- AC Adapter ……………………………………………. 1 unit
  Ref. 0028084

EU　　US

Features

SKR facilities the integration of the following JBC Devices in automated soldering processes:

- – UCR – Control Unit for Automation (serial communication RS-232*)
- SFR – Solder Feeder for Automation (serial communication RS-232*)
- – CLMR – Tip Cleaner for Automation (on/off switch input*)

See corresponding "Communication Protocol" at **www.jbctools.com/jbcsoftware.html.**

Green LED (PLC Activity)
Green LED (PC Activity)
Green LED (JBC Device Activity)
Blue LED
USB-B Connector
Power Supply Connector

Communications Connector (Female)
Communications Connector (Male)
Push Button

Connection Modes

SKR allows two connection modes, the Control Mode and the Sniffer Mode. In both modes the SKR and a PC are needed. PC must have the Robot Control previously installed (download at www.jbctools.com/jbcsoftware.html).

- Control Mode: This mode is used to command/get answered communications frames, which are sent between the PC and the JBC Device.
- Sniffer Mode: This mode is used to intercept the communication frames sent/answered between the Robot/PLC and the JBC Device. This mode also facilitates the debugging of the Robot Control software by Frame decoding and visualization in real time.
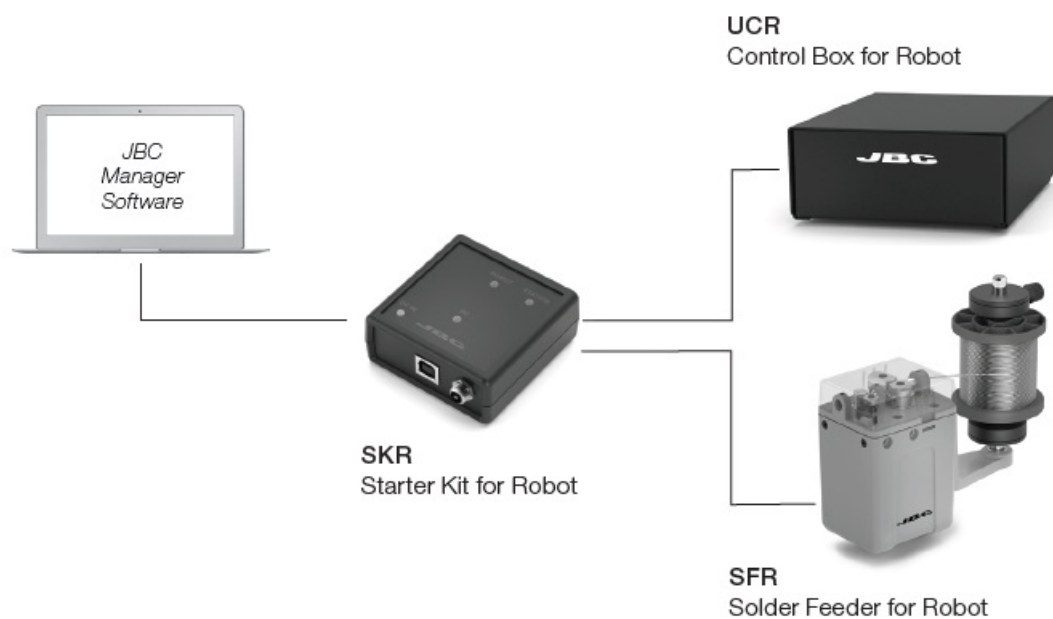
Assembly: Control Mode

1. Connect the PC and SKR using the USB A/B Cable.
2. Connect the JBC Device and SKR using the Communications Cable.
3. Connect SKR to the mains connection with the power supply cable. Blue LED indicates that the connection to the mains is established.
4. The Push Button allows switching on/off the JBC Device by pushing it.

When communications frames between PC and JBC Device are sent/answered, then the green LEDs will flash.

Assembly: Sniffer Mode

1. Disconnect the Communicatrions Cable from the JBC Device and connect it to SKR's Communications Connector (male).
2. Connect the JBC Device and SKR using the Communications Cable included.
3. Connect de PC and SKR using the USB A/B Cable.
4. Connect SKR to the mains connection with the power supply cable. Blue LED indicates that the connection to he mains is established.
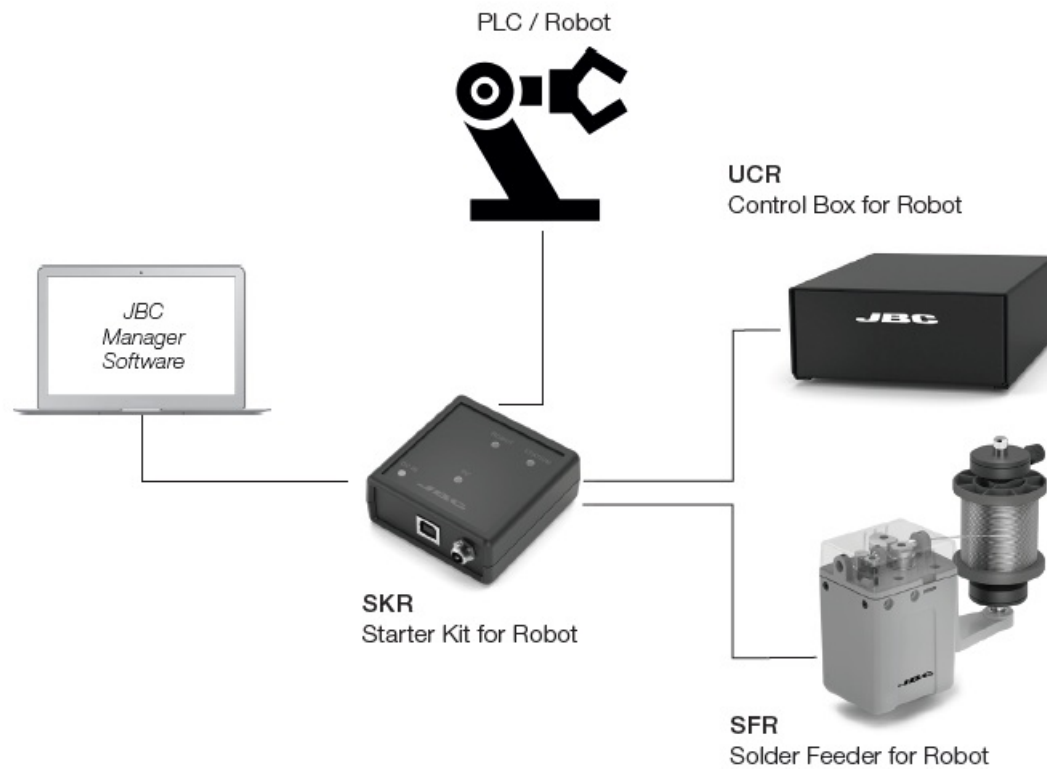
   When communications frames between PC and JBC Device are sent/answered, then the green LEDs will flash.

JBC Manager Software

UCR
Control Box for Robot

SKR
Starter Kit for Robot

SFR
Solder Feeder for Robot

For more information about the Robot Control software, download its manual in www.jbctools. com/jbcsoftware.html.

Maintenance

1. Before carrying out maintenance, always allow the equipment to cool down.
2. Periodically check all cables and connections.
3. Replace any defective or damaged part. Use original JBC spare parts only.
4. Repairs should only be performed by JBC and authorized technical service.

Safety

It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

- Do not use the device for any other purpose.
- The main cable must be plugged into approved bases. Make sure that it is properly grounded before use. When unplugging it, hold the plug, not the wire.
- Be sure that the power supply is disconnected before changing any spare part.
- Be careful with the fumes produces when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal injury.

Specifications

SKR
Starter Kit for Robot Ref. SKR-A

- AC Adapter:
- Connections:
- Total Net Weight:
- Total Package Dimensions / Weight:(L x W x H)

Complies with CE standards.
ESD safe.

Input Voltage Range: 100-240V ~ 50/60Hz IMax. Input Current: 2A
Output Voltage: 24V

Max. Output Current: 2A
USB connector type B
Power connector
Communications connector (male) Communications connector (female)
505 g / 1.11 lb
246 x 184 x 42 mm / 567 g
9.69 x 7.24 x 1.65 / 1.25 lb

Warranty
JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.
Warranty does not cover product wear or misuse. In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.

Documents / Resources

SKR Starter Kit for Robot	**JBC SKR Starter Kit for Robot** [pdf] Instruction Manual SKR, Starter Kit for Robot, SKR Starter Kit for Robot, SKR-A
SKR Communication Debugger for Robot	**JBC SKR Starter Kit for Robot** [pdf] Instruction Manual SKR, Starter Kit for Robot, SKR Starter Kit, Starter Kit, SKR Starter Kit for Robot

References

- **JBC Software**