Setup Example

Setup on UNIX-DF robot

DF/GF iron tip soldering software set
① USB dongle
② USB hub *AC adapter included
③ USB-RS232C converter *0.3m
④ RS232C cable (straight) *3m
⑤ LAN cable (straight) *5m

Iron tip camera set
⑥ Video capture
⑦ Iron tip camera *0.3m
⑧ Iron tip camera relay cable *5m
⑨ Iron tip camera power cable *5m

⑩ Iron tip camera bracket

Bar code reader
*option

USB3.0

AC adapter

Type

Soldering Manager ▢ for ▢

S
L

DF/GF
FR

S: For iron tip
L: For laser

DF/GF: For DF and GF robots
FR: For FR series robots

Soldering Manager Pro for ULD-02　　　For ULD-02

Requirement for system configuration

OS	Windows® 10/11 64bit only		Resolution	WXGA（1366×768）or lower	(Recommended: 1280x720)
CPU	Intel® Core™ i5 or more		Free disk space on HDD	500GB or more	
Memory	8GB or more		Interface	USB 3.0 Type-A	

- The application will not start on Windows® 7/8, which is not supported.
- Using the software with low hard disk capacity can cause memory shortages and troubles during operation.
- Use USB 3.0 ports. Using USB 2.0 may result in insufficient processing power and unstable operation.
- It cannot be connected when the heater type of the robot (UNIX-DF/GF series) is AD (Advance) specification.
- The robot (UNIX- DF/GF Series) software versions need to be the latest.
- Depending on the performance of the connected computer, functions such as converting compressed videos and
  saving camera recordings may not be performed correctly.

JAPAN UNIX CO., LTD. http://www.japanunix.com

Headquarters：2-21-25 Akasaka, Minato-ku, Tokyo 107-0052　Tel. +81-3-3588-0551 Fax. +81-3-3588-0554

・Korea Office　・Shanghai Office　・Shenzhen Office　・Taiwan Office　・Malaysia Office　・Mexico Office　・USA Office　・India Office

JAPAN UNIX

Soldering Manager
Soldering Robot Management Software vol.2

Soldering Robot Management Software
Soldering Manager

What is Soldering Manager?

Soldering Manager is soldering support and management software designed to display the operating status of the soldering robot in real-time and manage various parameters to support quality soldering. By recording video and data during the soldering process, it achieves better on-site process management. It also supports serial management using 2D code reading and, together with the recording function, it provides extensive traceability. The software is available for both conventional soldering and laser soldering applications.

IoT for Soldering Start from Job Site

It is very important for the managers at the installation site to grasp and record the situation for the equipment at all times. However, it is difficult to keep monitoring the equipment in operation and the investigation for the cause after the problem occurs are not easy. Soldering Manager monitors the status of the soldering robot and automatically collects and stores data. Saved operation data can be used in various ways. It is the IoT for soldering robot could start from the job site and advanced knowledge is not required.

CORRECTING DATA

- During maintenance: Alarm history of robot or heater / correction history of the iron tip position.
- In operation: Board code / LOT No. / heater temperature / result for the feeder send / shot count for the iron tip.
- Management data: Number of the iron tip shots / number of cycles / solder feed amount for 1-cycle / total of solder feed amount / the hours of operation for the robot.

Features

Connect
Connect PC, camera, and thermometer to the robot.

Digitize
The data in operation or during maintenance are automatically saved.

Visualize
Make into the graph the temperature during the soldering.

Capture
Save numerical data / video.
*Numerical data can be saved in CSV file format and video can be saved in MPEG-4 (H.264) format.

Archive
Utilize historical data.

Standard configuration

Soldering Manager
- Software
- USB hub, various cables, etc.

Options
＊Soldering iron specifications
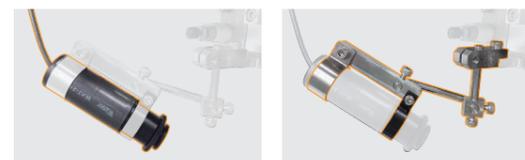
Camera set
- USB camera
- Video captured
- Various cables

Bracket
- Camera bracket for soldering iron

Functions and Features

Soldering Manager S for DF/GF (UNIX-DF/GF series, iron tip specification) * Also available for laser
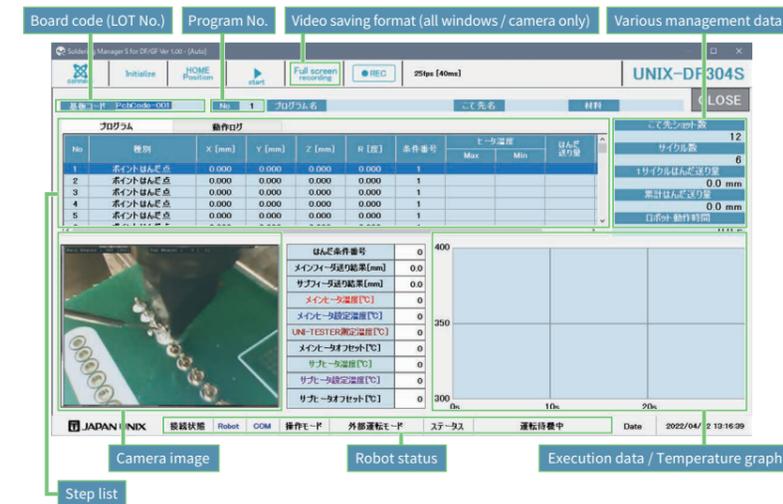
Board code (LOT No.) | Program No. | Video saving format (all windows / camera only) | Various management data

Camera image | Robot status | Execution data / Temperature graph | Step list

Standard Configuration
1. USB dongle
2. USB hub *AC adapter included
3. USB-RS232C converter *0.3m
4. RS232C cable (straight) *3m
5. LAN cable (straight) *5m

Options
- Iron tip camera set
- Iron tip camera bracket

Soldering Manager L for FR (UNIX-FRseries, laser specification) *Also available for iron tip

Program No. | Board code (LOT No.) | Video saving format (all windows / camera only) | Various management data

Camera image | Robot status | Execution data / Temperature graph | Step list
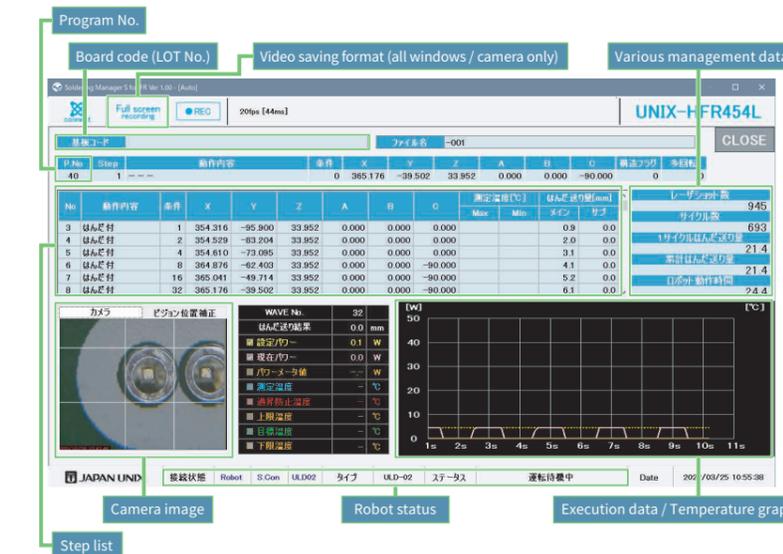
Standard Configuration
1. USB dongle
2. USB hub *AC adapter included
3. Switching hub
4. LAN cable (straight) *5m
5. LAN cable (straight) *3m

Options
- Laser camera set
- Laser camera conversion set

Soldering Manager Pro for ULD-02

Various monitor/counter | Robot status | Camera image

Various input and output signals
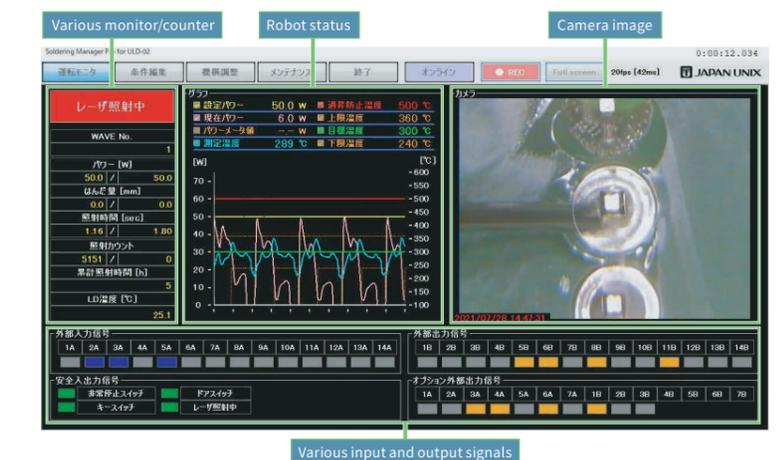
Standard Configuration
1. USB dongle
2. USB hub *AC adapter included
3. Video capture
4. RCA cable *5m
5. Conversion adapter
6. Distribution cable
7. LAN cable (straight) *5m