The media for LL1100/LL1200 were changed into CD from the 3.5-inch floppy disk. For the start-up of LL1100/LL1200 and the operation method, see the user’s manual.

Notice of Alterations

PC-based Custom Computation Building Tool

Model LL1100
PC-based Parameters Setting Tool

Model LL1200
PC-based Custom Computation Building Tool


YOKOGAWA Electric Corporation

The user’s manuals of LL1100/LL1200 on CD describe the usage with RS-232C serial communication. For the LL1100/LL1200 supporting USB, see this Notice of Alterations for the following contents which are related to USB.

Contents related USB:
- Confirmation of the Package Contents
- Operating Environment and Wiring Specifications
- Setup
- Installing USB Converter Driver Software
- Connecting Controller to Personal Computer

The applicable OS of the LL1100/LL1200 tool changed. For confirmation of the operating environment specifications, see this Notice of Alterations.

For the start-up of LL1100/LL1200 and the operation method, see the user’s manual LL1100 PC-based Parameters Setting Tool: IM 5G1A01-01E

The release number of the LL1100/LL1200 tool is printed on the product CD.

Checking the Contents of the Package

Model and Suffix Code

<table>
<thead>
<tr>
<th>Model</th>
<th>Suffix code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL1100</td>
<td>-F1</td>
<td>For use with IBM PC/AT compatible machine (common to English and Latin alphabets, USB interface)</td>
</tr>
<tr>
<td>LL1200</td>
<td>-F1</td>
<td>For use with IBM PC/AT compatible machine (common to English and Latin alphabets, USB interface)</td>
</tr>
</tbody>
</table>

Note

While the CD is being accessed, do not remove the CD from the CD-ROM drive, cut the power to the PC, or reset the computer.

Operating Environment Specifications

PC

Applicable OS: Windows XP (Home Edition/Professional (32-bit version)
Windows Vista Business (32-bit version)

Recommended CPUs: Pentium Processor 300 MHz or higher

Recommended Main Memory:
Windows XP (Home Edition/Professional): 128 MB or more
Windows Vista Business/Windows 7 Professional: 2 GB or more

Hard disk space:
Memory space required to store the tool’s programs: 5 MB for LL1100 and 9 MB for LL1200
Memory space required to store the parameter data: 2 MB minimum Memory space required to store the driver for USBSerial converter: 1 MB

Display:
800 x 600 pixels or more

USB communication port: One channel (COM1 to COM16), with SeriesA connector, compliant with USB Specification Rev1.1

Network:
10BASE-T/100BASE-TX (required for Ethernet communication)

CD-ROM drive: One (required for installation)

Printer:
Paper size: Letter or A4 (required for printing)

Dedicated Adapter (for USB interface)

Communication method:
Controller: optical, contactless, bidirectional serial communication
Personal computer: compliant with USB Specification Rev1.1

Power supply: Supplied from USB bus power (no internal battery)

Input rating: 4.4 to 5.25 V DC, 100 mA (including a dedicated cable)

No plug for external power supply, no power switch

Ambient temperature range: 0 to 50°C

Ambient humidity range: 20 to 90% RH (no condensation)

Transport and storage conditions: -20 to 65°C, 10 to 90%RH (no condensation)

Dust- and water-proof construction: Not applied.

Standard:
CE Marking (EMC only) to be approved

CE Marking (EMC only) to be approved

Installing USB Converter Driver Software

Logon in Windows XP:
1. Log on using the user name of Administrators group.

- The program does not start normally if the user name not belonging to the Administrators group is used for loggong on.

In Windows Vista/Windows 7, install USB converter driver software as an administrator.

- Avoid entering just the drive as the installation location, such as C:
Enter the full directory path.

Before installing USB converter driver software, quit all running applications.

When reinstalling USB converter driver software, uninstall the installed USB converter driver software first, and then reinstall USB converter driver software.

Installing USB Converter Driver Software in Windows Vista/Windows 7

Operating procedures and screens in Windows Vista.

1. Start Windows.

2. Insert the CD of LL1100 or LL1200 into the CD-ROM drive. The start-up screen appears automatically.

3. Click USB Driver Installation.

4. The User Account Control screen appears. Click Continue.

5. Installshield Wizard screen appears. Click Next.

6. Click Install.

7. The Windows Security screen appears. Click Install. (USB device driver)

8. The Windows Security screen appears. Click Install. (COM port driver)

9. When installation is complete, the Finish dialog box appears. Click Finish.

10. The dialog box closes. You have completed installing the driver software in Windows Vista.

When you connect the dedicated cable to a USB port on your computer, the driver becomes available automatically.

For installation of USB converter driver software in Windows 7, follow the message given in each dialog box.

Installing USB Converter Driver Software in Windows XP

1. Start Windows.

2. Insert the CD of LL1100/LL1200 into the CD-ROM drive. The start-up screen appears automatically.

3. Click USB Driver Installation.

4. Installshield Wizard screen appears. Click Next.

5. Click Install.

6. A message appears to warn that the software you are installing has not passed Windows Logo testing. Click Continue Anyway.

7. The same warning message appears. Click Continue Anyway.

8. When installation is complete, the Finish dialog box appears. Click Finish.

9. Connect the connector of the dedicated cable to USB communication port of a personal computer.

The Found New Hardware Wizard appears automatically. Select No, not this time. Click Next.

10. Select the software automatically (Recommended). Click Next.

11. A message appears to warn that the software you are installing has not passed Windows Logo testing. Click Continue Anyway.

12. Copying of the USB device driver for the dedicated cable begins. When installation is complete, a confirmation message appears. Click Finish.

13. Installation of the virtual COM port driver begins continuously. Select No, not this time. Click Next.

14. Select Install the software automatically (Recommended). Click Next.
15. A message appears to warn that the software you are installing has not passed Windows Logo testing. Click Continue Anyway.

16. Copying of the virtual COM port driver begins. When installation is completed, a confirmation message appears. Click Finish. You have completed installing the driver software in Windows XP.

## Verifying Installation
### Operating procedures and screens in Windows Vista

1. From the Start menu of Windows, select Control Panel -> Device manager.
   Note: If the Start menu of Windows, select Control Panel -> System and Maintenance -> Device manager in the control panel display method is Control Panel Home.

2. In Windows XP, from the Start menu of Windows, select Control Panel -> System -> Hardware -> Device manager and verify the steps 3 and 4.

3. In Windows Vista, the User Account Control screen appears. Click Continue.

4. Verify that the virtual COM port driver (1) "YOKOGAWA USB Serial Port" is displayed under "Universal Serial Bus controllers." If the control panel's display method is "Control Panel Home."/

5. The Confirm Uninstall screen appears. Click Yes. You have completed uninstalling the driver software.

### Uninstalling USB Converter Driver Software

#### Operating procedures in Windows Vista

1. From the Start menu of Windows, select Control Panel -> Programs and Features.

2. From the Start menu of Windows, select Control Panel -> Programs and Features.

3. Select YOKOGAWA A1053UR Installer and click Uninstall.

4. In Windows Vista, the User Account Control screen appears. Click Continue.

5. The Confirm Uninstall screen appears. Click Yes. You have completed uninstalling the driver software.

### Installing LL1100/LL1200 Tool

#### Operating procedures and screens in Windows Vista

1. Start Windows.
2. Insert the CD of LL1100 or LL1200 into the CD-ROM drive. The start-up screen appears.

#### Installing LL1100/LL1200 Parameter Setting Software

1. Start Windows.
2. Insert the CD of LL1100 or LL1200 into the CD-ROM drive. The start-up screen appears automatically.

3. Click LL1100 installation or LL1200 installation.
4. To continue, follow the message given in each dialog box.

## Connecting Controller to Personal Computer (for USB interface)

1. Connect the dedicated cable to the dedicated adapter and connect the other cable end to the PC's communication port.
2. Plug the adapter to the controller's front panel to securely fix it in place.

### Connecting Controller to Personal Computer

- Make sure the dedicated adapter is attached to the controller in a vertical orientation. Communication is not possible if the dedicated adapter is attached in a slanting position.
- Do not remove the dedicated cable for USB interface while LL1100/LL1200 communicates, or it may affect the stability of the operation system.
- Do not suspend while LL1100/LL1200 communicates, or the system may fail to recover subsequently from the suspension.

## Troubleshooting

- Logon using the user name of Administrators group.
- The program does not start normally if the user name not belonging to the Administrators group is used for logging on.
- In Windows Vista/Windows 7, install the software as an administrator.
- In Windows Vista/Windows 7, do not set LL1100/LL1200 user file save directory in Program Files folder. The LL1100/LL1200 will not work properly.
- Also If LL1100/LL1200 user file save directory is set in Program Files folder on Windows XP personal computer, do not upgrade its OS to Windows Vista/Windows 7. Before installing LL1100/LL1200 Setting Software, quit all running applications.
- Avoid entering just the drive as the installation location, such as C:\. Enter the full directory path.
- When NET Framework 3.5 SP1 is not installed on Windows XP/Windows Vista/Windows 7 personal computer, NET Framework 3.5 SP1 is installed to start LL1100/LL1200.
- When reinstalling LL1100/LL1200, uninstall the installed LL1100/LL1200 first, and then reinstall LL1100/LL1200.

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