# CV-10RCV(Data Receiver unit for CV-10)

# Operational Manual

## BEFORE YOU START

Thank you for purchasing our CV-10RCV.
CV-10RCV is a data receiver unit from Digital Curvimeter CV-10
Which easily measures straight lines as well as curved lines that are otherwise difficult to measure.
By connect CV-10RCV to a PC USB port, measurement results are easily transfer to PC.

**WARNING**

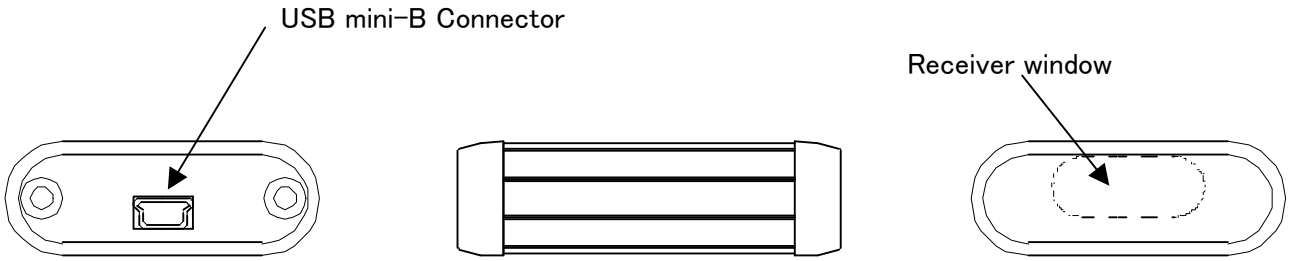
**Before using the receiver software, you must first install the device driver. Is used without the device driver installed, the receiver software will not function.**

KOIZUMI Sokki Mfg.Co.,Ltd.
1-112 Heijima, Nagaoka-shi,
Niitaga 940-1163 JAPAN
tel:+81-258-22-0092 fax:+81-258-22-0093
URL http://www.fymetrix.co.jp
Email koizumi@fymetrix.co.jp

# 1. Product Specification

| | |
|---|---|
| Interface | USB ver.2.0 Compliant |
| Weight | Approx. 35g (without USB cable) |
| Size | 41×50×15 mm |
| Power | Supply from USB port |
| Accessories | CV-10RCV / USBcable / Software CD-ROM |

# 2. Explanation of Parts




・USB mini-B Connector

Connect to PC by USB cable.

Applied cable：USB2.0　A (Male)　⇔　mini-B (Male)

・Receiver window

There are IR sensor and LED lamp inside the window. When you transmit the data from curvimeter, please **aim curvimeter at receiver window.**

# 3. How to install device driver.

## 3-1 For Windows 7

Connect the device to a spare USB port on your PC.

If there is an available Internet connection, Windows 7 will silently connect to the Windows Update website and install any suitable driver it finds for the device.

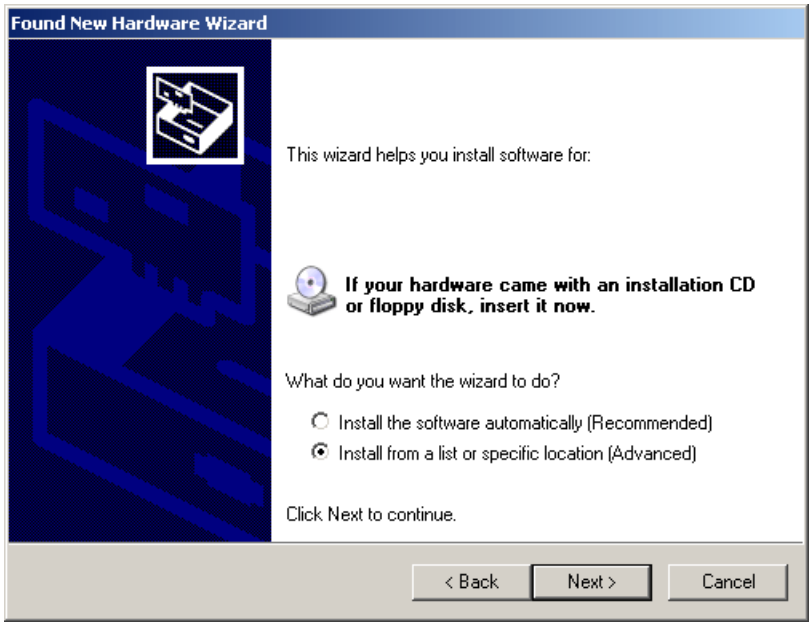
If the automatic installation takes place there is no need to continue with the procedure outlined below. If no suitable driver is automatically found, please refer and follow the procedure appendix PDF document, *Drivers_Install_Windows7.pdf*.

## 3-2 For Windows XP

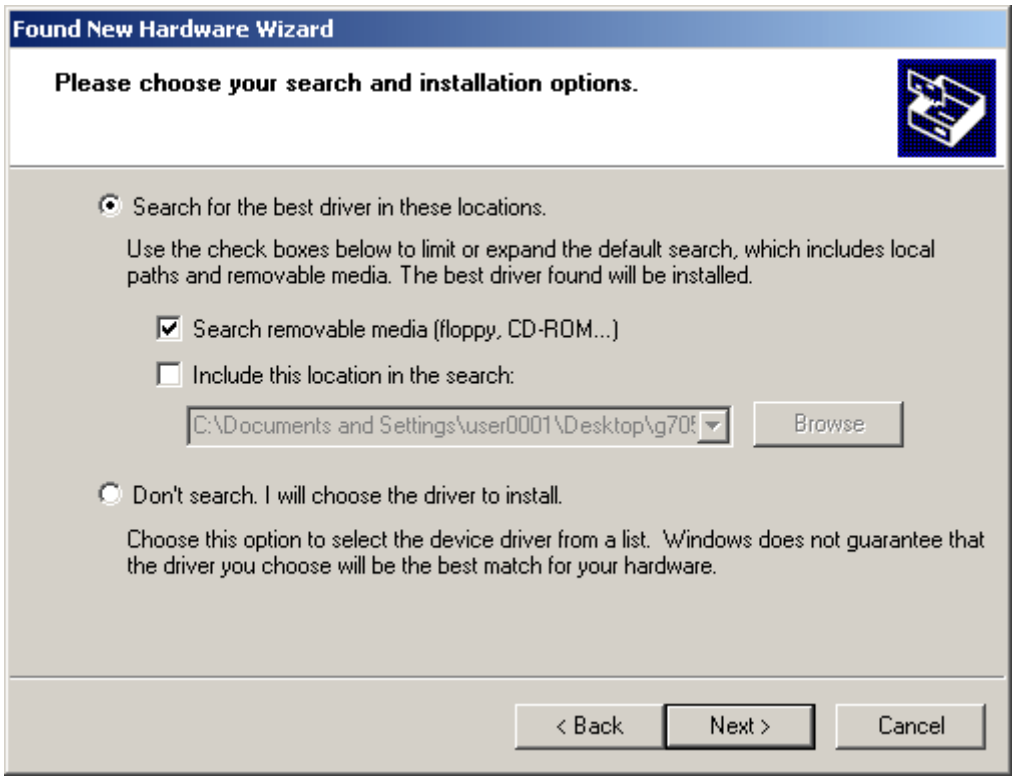
Connect the CV-10RCV to the PC. Windows will detect a new hardware

The new-found hardware wizard screen will appear asking if you wish to connect to windows update to software. Select “No, not at this time”. Click “Next” to proceed.

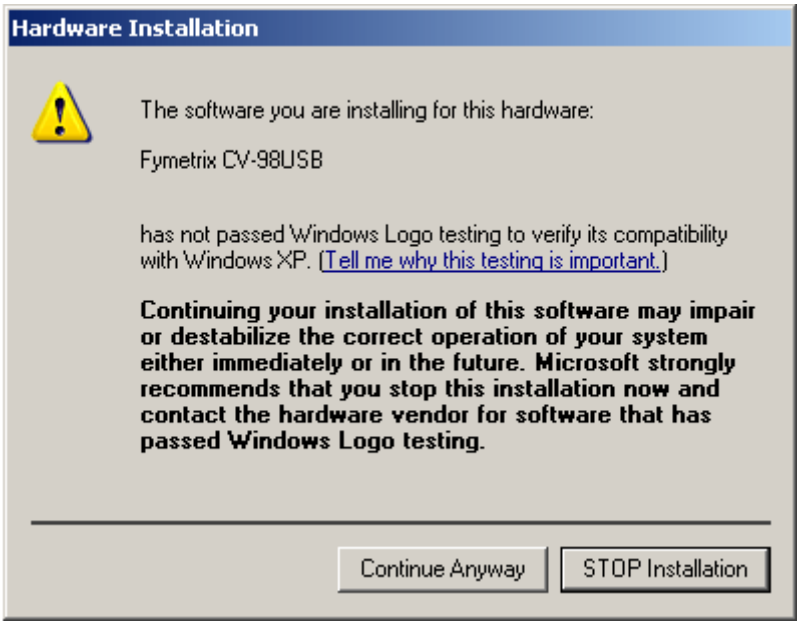

On the next screen as shown below, select “Install from a list or specific location (Advanced)” and click “Next”.




Specify the driver location. If you obtained the driver on a floppy disk or CD-ROM, check [Search Removable Media (Floppy, CD-ROM...)]. If you downloaded the driver from our website, check 「Include this location in the search」 and browse to the folder where you saved the downloaded file.




Driver installation begins. In the case of XP, the following message may be displayed.



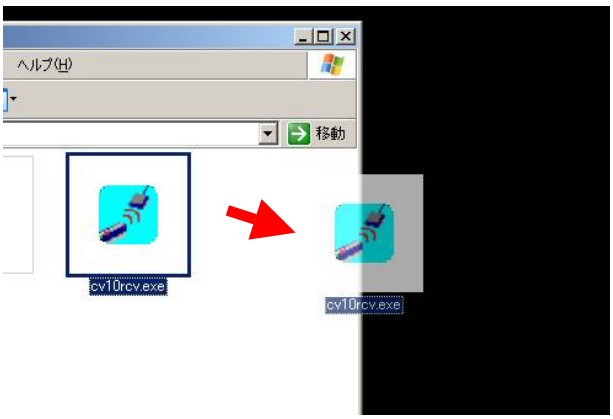

Although we have not obtained a logo test from Microsoft for this driver, it has been tested for operating compatibility. Click [Continue Anyway] to continue with driver installation.


Click [Finish] to complete driver installation.

## 4. How to Install Receiver software

Before installing this software, please install the driver software for to your PC. Regarding how to install the driver, please refer to the *3.How to install device driver*.
The file name of receiver software is “cv10rcv.exe”. Please copy this file to any place of your PC and execute it. Following procedure is how to install software to your Desktop of your PC as sample.

- Select CD-ROM from “My Computer”, drag-and-drop “cv10rcv.exe” to the Desktop.
- Copy the file to Desktop. Double click it to execute the program.




Drag-and-drop


Copy to Desktop

# 5. How to use CV-10RCV

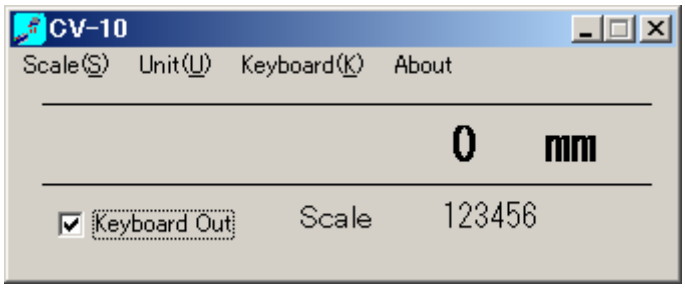
Please refer the instruction manual of CV-10 regarding the usage of curvimeter.

- After completing a measurement, press the [Trace] key. Measured value will transfer to PC. Please aim at receiver unit with curvimeter when you transmit the data to PC.
- In case of data transfer complete, buzzer in receiver unit will sound and lamp the LED.
- If the data transfer failed, re-send same data by pressing [Scale] key.

# 6. How to Setup the Software

## 6-1 Startup

On startup the main window appears.




If Receiver unit did not start up normally, error message as the one on the right is displayed. First detach Receiver unit from the computer and connect attach it once more.


## 6-2 Scale size setting

For scaling, Select [SCALE (S)] from the menu. The scales available in this software are as follows.


＊If you input the scale in this software, do not setup the scale in curvimeter. **If you setup scale both, software and curvimeter, scale calculated reduplicated.**

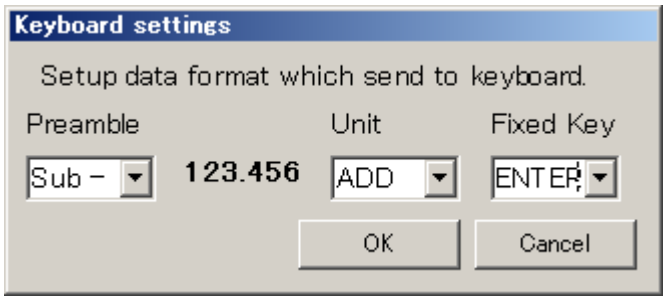
## 6-3 Unit setting

For Units, select [Unit (U)] from the menu. The units available in this software are as follows.

mm cm m km in(inch) ft(feet) yd(yard) mi(mile)

## 6-4 Keyboard

If keyboard output is checked on the main window, received data is transmitted to the Keyboard. It is possible to set the format of the transmitted data on the menu item [Keyboard (K)].




In the above drawing example, if measurement result is 100.123cm, software execute same work as type the key board [-][1][0][0][.][1][2][3][c][m][Enter]. To stop the passing of units, select NONE in the unit box. It is possible to select from 9 types of confirmation keys as follows:

Key None ・ Enter ・ Tab
Up(↑) ・ Down(↓) ・ Left(←) ・ Right(→)
Add(＋) ・ Sub(－)

## 7. How to use the Software

As a real example on how to use the software, we will explain here how to load the data into EXCEL.

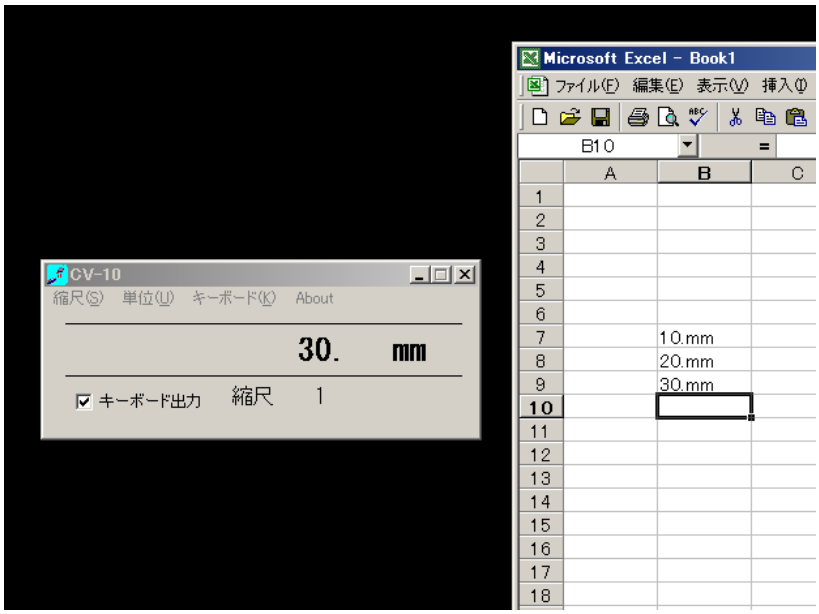
①Start Excel and the receiver software.
②Set Scale and Keyboard. For this example we have set as follows:

| | | |
|---|---|---|
| Scale：1 | | |
| Keyboard Output： | Checked | |
| Keyboard Setting： | Preamble | NONE |
| | Unit | YES |
| | Fixed Key | Down |

③Select to activate the cell in Excel where to input data.
④When measurement takes place, send the data to receiver unit. After transmit the data is complete, the data is display on the software （Refer to *5. How to use CV-10RCV* ）
⑤ Because the Excel cell specified in ③ is active, data is input there.
For example a length of 10mm is measured, it will be the same as if [1][0][m][m][↓] was entered on the keyboard. Data for 10mm will be input into the cell and the cursor moves downwards.
⑥If measurement is further repeated, the cell moves down and data is input.

- Because input into Excel passed through the Keyboard, if the Japanese (Chinese, Korean etc.) input System is ON, it will not function properly.
- In this example, even if the confirmation key is set to [Enter], the result will be same. Also if it is set to [Right], the cell will move towards the right direction.
- If you set the keyboard settings as below, you can get total value of several measurements in an activated cell.

| | | |
|---|---|---|
| Keyboard Setting： | Preamble | Add(+) |
| | Unit | NONE |
| | Fixed Key | NONE |


CV-10
縮尺(S) 単位(U) キーボード(K) About
30. mm
キーボード出力 縮尺 1
Microsoft Excel - Book1
ファイル(F) 編集(E) 表示(V) 挿入(I)
B10
A B C
10.mm
20.mm
30.mm