



KONGSBERG

Simrad PI CIC Configurator Interface Cable

Instruction manual

This instruction manual provides you with information about installation and use of the PI Configurator Interface Cable (PI CIC).

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Document history

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Warning

The equipment to which this manual applies must only be used for the purpose for which it was designed. Improper use or maintenance may cause damage to the equipment and/or injury to personnel. The user must be familiar with the contents of the appropriate manuals before attempting to install, operate or work on the equipment.

Kongsberg Maritime AS disclaims any responsibility for damage or injury caused by improper installation, use or maintenance of the equipment.

Support information

If you require maintenance or repair, contact your local dealer. You can also contact us using the following address: -. If you need information about our other products, visit our web site. On the web site you will also find a list of our dealers and distributors.

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Purpose and use

Purpose of PI Configurator Interface Cable (CIC)

The PI Configurator Interface Cable (CIC) allows you to connect any PI sensor to a USB port on your computer for sensor setup and configuration.

The PI Configurator Interface Cable (CIC) comprises a small black box with two cables:

- One cable is fitted with a standard USB “A” cable. This cable is connected to any vacant USB socket on your computer.
- The other cable is fitted with two crocodile clips. These connect to the sensor. The red clip must be connected to the positive fastening lug on the sensor, while the black clip must be connected to the negative fastening lug.

Whenever you prepare a sensor for configuration and/or charging, make sure that mounting material attached to the charging lugs do not form an electrical connection, as this will short the charging current.

Preparations for use

In order to use the PI Configurator Interface Cable (CIC) you must install a software driver on your computer.

The software driver is available on the **PI Configurator** software CD. The CD can be downloaded from www.simrad.com/pic.

How to use the PI Configurator Interface Cable (PI CIC)

This procedure assumes that you have installed the software driver for the PI Configurator Interface Cable (CIC).

- 1 Power up your computer.
- 2 Connect the USB “A” plug on the PI Configurator Interface Cable (CIC) to a vacant USB port on your computer.
If possible, use the same USB port every time.
If necessary, observe *COM port identification* on page 8.
- 3 Start the PI Configurator application.
- 4 In the PI Configurator application, identify and select the communication port to be used for sensor setup and configuration.
- 5 Attach the positive (red) alligator clip to one of the sensor’s positive fastening lugs (identified with a plus symbol).

- 6 Attach the negative (black) alligator clip to one of the sensor's negative fastening lugs (identified with a minus symbol).
- 7 Observe the operational procedures for the PI Configurator program.

Software driver

How to install the software driver for the PI Configurator Interface Cable (PI CIC)

This procedure explains how to install the software driver required for the PI Configurator Interface Cable (CIC).

The software driver is available on the **PI Configurator** software CD. The CD can be downloaded from www.simrad.com/pic.

- 1** Observe the following procedure for Windows® 7:
 - a** Connect the PI CIC to a spare USB port on your PC.
 - b** If there is an available Internet connection, observe that Windows 7 will silently connect to the Windows Update website and install any suitable driver it finds for the device.
 - c** If you do not have an Internet connection on your computer, observe the drive installation guide provided by the manufacturer.

The document is provided on the PI Configurator CD, and on our website at www.simrad.com/pic.
- 2** Observe the following procedure for Windows® XP®:
 - a** If a device of the same type has been installed on your machine before, and the drivers that are about to be installed are different from those installed already, the original drivers need to be uninstalled. Please refer to the *Uninstalling CDM Drivers* section in the drive installation guide provided by the manufacturer.

The document is provided on the PI Configurator CD, and on our website at www.simrad.com/pic.
 - b** Insert the PI Configurator CD.
 - c** Open a file manager utility to access the files on the CD.
 - d** Copy the driver files from the CD to a suitable folder on your PC.
 - e** Connect the PI CIC to a spare USB port on your PC.
 - f** Observe the instructions in drive installation guide provided by the manufacturer.

COM port identification

How to identify which COM port the PI Configurator Interface Cable (PI CIC) is using

When you use the PI Configurator utility with the PI Configurator Interface Cable (CIC), the computer will automatically assign a COM port. If you change the physical USB socket you use, or if you use other USB devices in the same USB port, the operating system may assign a different COM port the next time you wish to use the PI Configurator Interface Cable (CIC). Since the PI Configurator application requires you to identify which COM port you use, you may need to investigate this.

- 1** Observe the following procedure for Windows® XP®:
 - a** Click the **Start** button in the lower left corner of your display, select **Settings**, and then **Control Panel**.
 - b** Double-click on the **System** icon.
 - c** Click the **Hardware** tab, and then click the **Device Manager** button.
 - d** Open **Ports (COM & LPT)**, and locate the PI Configurator Interface Cable (CIC) device on its assigned COM port.
 - e** Close all windows, and identify the COM port when you start the PI Configurator application.
- 2** Observe the following procedure for Windows® 7:
 - a** Open the **Control Panel**, and select **Classic View**.
 - b** Observe the same procedure as for **Windows XP**.

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