



# Horter & Kalb - I2C-Support for Raspberry PI

Library and sample code for PLC Training Rack

## 1 General information

<b>Order number: 000068</b>	<b>Supplier information</b> Horter & Kalb Inhaber Jürgen Horter Klinikumallee 23 95445 Bayreuth / Germany
<b>Version: 1.0.0.0</b>	
<b>Short description</b> Software Package for CODESYS Development System to integrate the assemblies of the Horter & Kalb PLC training rack.	
	<b>Support</b> Tel: +49 (0)921 68374 E-Mail: <a href="mailto:mail@horter.de">mail@horter.de</a>

## 2 Requirements and restrictions

<b>Programming system</b>	CODESYS Development System Version 3.5.6.20 or higher
<b>Target system</b>	CODESYS Control Version 3.5.6.20 or higher
<b>Supported Platforms / Devices</b>	Notice: Use the project 'Device Reader' to find out the supported features of your device. 'Device Reader' is available for free in the CODESYS Store.
<b>Additional requirements</b>	-
<b>Restrictions</b>	-

### 3 Price

This example is for free.

### 4 Required accessory, purchasable in the CODESYS Store

none

### 5 Product description

The library contains two sample programs to read out the digital and analog input modules as well to control the digital and analog output modules via the I2C bus from the Raspberry Pi.

### 6 Technical description

Horter\_Kalb\_Raspi\_Support.package

The package must be installed on "Tools / Package Manager" in CoDeSys Development System.

Horter\_Kalb\_Raspi\_Support\_FB\_Example.project

Horter\_Kalb\_Raspi\_Support\_IO\_driver\_Example.project

Sample programs with web visualization of the four PLC module types:

- I2HE Digital Input module 8 bit
- I2HA Digital Output module 8 bit
- I2HAE Analog Input module 5 channels 10 bit
- I2HAA Analog Output module 4 channels 10 bit

### 7 Screenshots

