

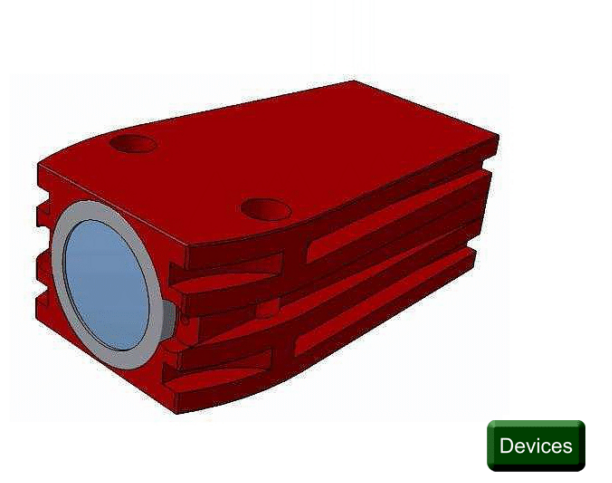


AiM Infotech

# Texys IRN4C

Release 1.02

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# 1

## Introduction

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This tutorial explains how to connect 4 channels infrared temperature sensor – Texys IRN4C – to AiM devices. This kit protocol manages 16 channels and they use this CAN protocol:

- 0x3F0 for channels 1-4
- 0x3F4 for channels 5-8
- 0x3F8 for channels 9-12
- 0x3FC for channels 13-16

# 2

## Wiring connection

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The 4 temperature sensors of the kit feature a data transmission bus based on CAN. IRN4C sensors are sold with free cables. Here below you see the connection table.

<b>IRN4C cable colour</b>	<b>Cable function</b>	<b>AiM cable</b>
Green	CAN High	CAN+
White	CAN Low	CAN-

# 3

## AiM device configuration

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Before connecting the kit to AiM device set this up using Race Studio software. The parameters to select in the device configuration are:

- ECU manufacturer "Texys"
- ECU Model "IRN4C"

**Please note:** Race Studio 3 has these parameters in "CAN2 Stream" layer of the logger configuration.

## 4

# Available channels

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Channels received by AiM devices connected to "Texys" "IRN4C" protocol are 16 temperature channels you can configure as you wish.

<b>ID</b>	<b>CHANNEL NAME</b>	<b>FUNCTION</b>
ECU_1	IR_1	Infrared temperature sensor 1
ECU_2	IR_2	Infrared temperature sensor 2
ECU_3	IR_3	Infrared temperature sensor 3
ECU_4	IR_4	Infrared temperature sensor 4
ECU_5	IR_5	Infrared temperature sensor 5
ECU_6	IR_6	Infrared temperature sensor 6
ECU_7	IR_7	Infrared temperature sensor 7
ECU_8	IR_8	Infrared temperature sensor 8
ECU_9	IR_9	Infrared temperature sensor 9
ECU_10	IR_10	Infrared temperature sensor 10
ECU_11	IR_11	Infrared temperature sensor 11
ECU_12	IR_12	Infrared temperature sensor 12
ECU_13	IR_13	Infrared temperature sensor 13
ECU_14	IR_14	Infrared temperature sensor 14
ECU_15	IR_15	Infrared temperature sensor 15
ECU_16	IR_16	Infrared temperature sensor 16