

AiM Infotech

Pectel T2

Release 1.01

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ECU



# 1

## Introduction

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This user manual explains how to connect Pectel ECUs to AiM devices. Supported model is:

- Pectel T2

# 2

## Software setup

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Pectel T2 ECU needs a software setup to correctly communicate with AiM devices. Pectel provides DESCProW software.

To set the ECU follow these steps:

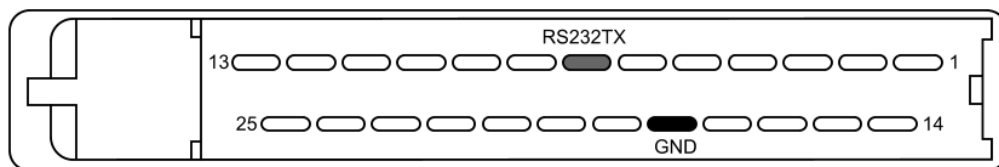
- connect Pectel T2 to your PC
- run DESCProW software
- select "SERIAL" at start up
- choose "COM" port
- click "ON-LINE"
- the software reads the ECU configuration (called "MAPS")
- when finished press [**Menu>>**] top right on the screen and select [**software Setup**];
- select [**Datalogging and serial Cooms**] with arrow-keys and press return (or double click with mouse pointer)
- the default mode should be [**PC**], press [**Return**] and a dialogue window appears
- choose [**STACK**] and press return
- the new configuration needs to be transmitted to the ECU: click [**File>> program current maps into ECU flash**]
- confirm the operation when prompted
- quit "DESCPRO"
- ECU is ready to communicate with AIM devices

### 3

## Wiring connection

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Pectel T2 ECU features a serial communication protocol on the 25 pins front male connector highlighted here below. Bottom of it is connection table.



Front connector pin	Pin function	AiM cable
7	RS232TX	RS232RX
18	Ground	GND

## 4

# AiM device configuration

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

- ECU manufacturer "Pectel"
- ECU Model: "T\_2/T\_6"

## 5

# Available channels

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Channels received by AiM devices connected to "Pectel" "T\_2/T\_6" protocol are:

<b>ID</b>	<b>CHANNEL NAME</b>	<b>FUNCTION</b>
ECU_1	PECTEL_RPM	RPM
ECU_2	PECTEL_WHEELSPD	Wheel speed
ECU_3	PECTEL_OILPRESS	Oil pressure
ECU_4	PECTEL_OILTEMP2	Oil temperature 2
ECU_5	PECTEL_WATERTEMP	Engine Coolant temperature
ECU_6	PECTEL_FUELPRESS	Fuel pressure
ECU_7	PECTEL_BATTVOLT	Battery voltage
ECU_8	PECTEL_THROTANG	Throttle angle
ECU_9	PECTEL_MANIFPRESS	Manifold air pressure
ECU_10	PECTEL_AIRCHARGETEMP	Intake air temperature
ECU_11	PECTEL_EXHTEMP	Exhausted gas temperature
ECU_12	PECTEL_LAMBDA	Lambda value
ECU_13	PECTEL_FUELTEMP	Fuel temperature
ECU_14	PECTEL_GEAR	Engaged gear