

AiM Infotech

Pectel T6

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 T6

# 2

## Software setup

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Pectel T6 ECU needs a software setup to correctly communicate with AiM devices. Pectel provides DESCProW software.

To set the ECU follow these steps:

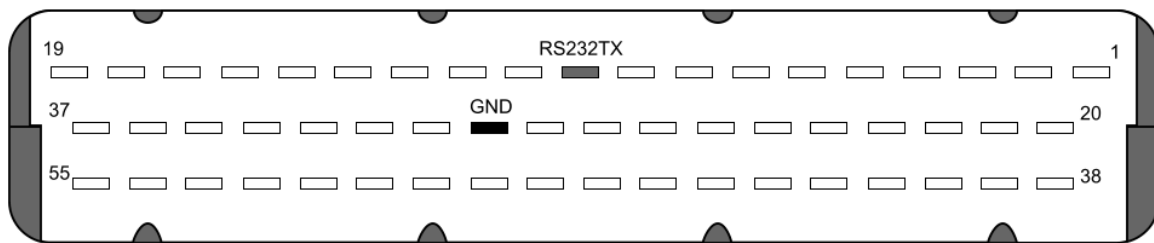
- connect Pectel T6 to your PC
- run DESCProW software
- select "SERIAL" at start up
- choose "COM" port
- click "ON-LINE"
- the software reads the ECU configuration (called "MAPS")
- when finished press [**Menu>>**] top right on the screen and select [**software Setup**];
- select [**Datalogging and 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 55 pins front male connector highlighted here below. Bottom of it is connection table.



Front connector pin	Pin function	AiM cable
10	RS232TX	RS232RX
30	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