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Title		2Group Connection with PCI	
Approved By		TW	
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Introduction

Many customers still use the MoTeC 2Group ECU. This ECU mainly used a hand calibrator to alter the parameters while connected to the ECU. Some versions of 2Group ECU software (version 3.3 and greater) have the ability to use a laptop with a MoTeC "Computer Interface & transmit modem" cable to change parameters within the ECU.

The MoTeC "Computer Interface & Transmit modem" cables are no longer manufactured due to some components being made obsolete.

This document describes how to construct a circuit that can be used in conjunction with a MoTeC PCI cable part number 63003, so that PCs can communicate with the 2group ECU.

It is recommended that the PC have a RS232 serial port, USB to serial and PCMCIA serial adaptors may not work.

The 2Group software may not function on some operating systems so some experimentation may be necessary.

The software may be downloaded from www.motec.com.au website in the software archive section for free: <http://software.motec.com.au/old>

Scope

This document applies to 2Group ECUs with version 3.3 and greater software.

The external circuit is used to generate a clock signal that is fed to the ECU. The PCI cable converts the voltage levels of the data to/from the ECU into RS232 levels that can be read by a PC serial port.

