



FMS SERIAL PIC-INTERFACE

MICROCONTROLLER-BASED SERIAL INTERFACE FOR FMS RC SIMULATOR

INTRODUCTION

The Serial PIC-Interface is for use with the free RC Flight Simulator, FMS version 2.0 Beta 7 and later. It allows the use of a normal Transmitter to be used with the FMS Flight Simulator by converting RC signals into serial data. The benefit of utilising the serial port for the interface is that no special drivers are required, and therefore runs on most versions of Windows that do not normally work with the parallel port.

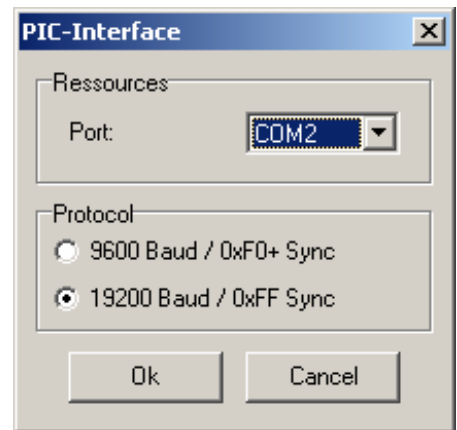
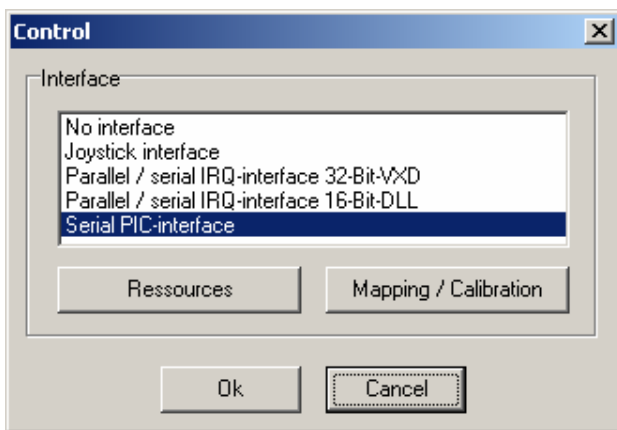
FEATURES

- Compatible with Windows 2000, Windows ME, Windows XP and Windows 95
- Operates at 19200 baud rate

SETUP

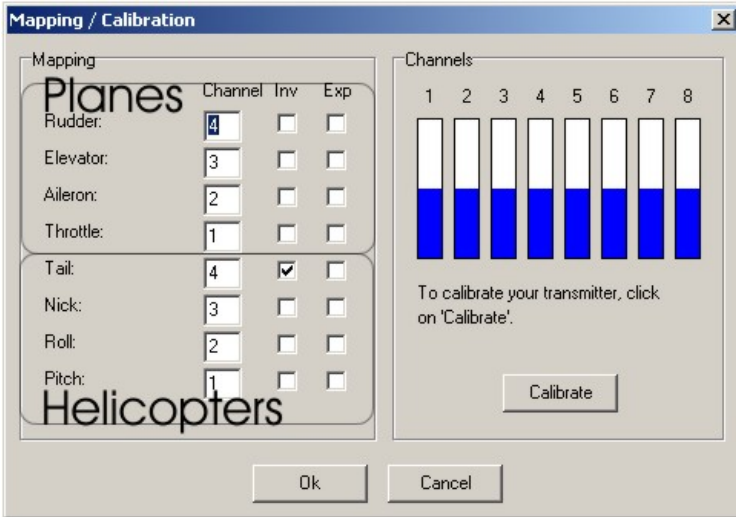
Connect the pic-interface into a spare serial port of the PC and then connect the jack into the trainer port on your transmitter. Most transmitters must be off and will turn on automatically as the jack is inserted. Make sure that serial port on the PC is not being used by another application. You may download a test application from our website at www.firmtronic.com/microiface.htm which allows troubleshooting of this device. This application will tell you whether the COM port you are trying to use is used by another process or not, and if not, it will confirm that the Interface is operating correctly. Close this application before running the FMS Simulator.

Run the FMS Simulator and choose "Controls->Analog Control..." from the menu items which will launch the "Control" dialog box shown below left. On the "Control" dialog box, press the "Resources" button which will bring up the "PIC-Interface" dialog box shown below right. Choose the COM port your Interface is plugged into and select "19200 Baud" option, and then press the Ok button.



On the "Control" dialog box, highlight "Serial PIC-interface" and press the "Mapping / Calibration" button.

On the Mapping / Calibration dialog box, choose which channels are to be associated to each function. Take note that for helicopters, the lower 4 edit boxes must be used, as indicated.



Press the “Calibrate” button and follow the instructions to complete the setup.

TROUBLESHOOTING

Make sure the transmitter is set to PPM mode and not PCM mode (if it has PCM mode).

CONTACT US

This product is manufactured by FirmTronics. Please visit us at www.firmtronics.com or email us at info@firmtronics.com.

WARRANTY

FirmTronics guarantees this product to be free from defects in materials and workmanship for a period of 90 days from the original date of purchase, verified by a sales receipt. This warranty does not cover incorrect application, incorrect installation, components worn by use, reversed voltage, improper voltage, tampering, misuse or shipping. Our warranty liability shall be limited to repairing the unit to our original specifications and in no case shall liability exceed the original cost of the product. By the act of installing or operating this product, the user accepts all resulting liability. We reserve the right to modify the provisions of this warranty at any time without notice.