



### TRC USB 6 Analog Input Controller

The TRC USB 6 Analog Input Controller is a so-called HID device and is recognized under Windows as a standard input device. Up to 4 of the same boards can be connected to your PC. Therefore you need no special drivers or setup software.

Once recognized by Windows, you will find the TRC USB 6 Analog Input Controller in the section "Game Controllers" in your Windows area.

You need to calibrate the different analog inputs as if it was a Joystick. Therefore follow the standard Windows instructions for calibration.

The first two analog inputs are treated as the X and Y inputs of a Joystick. When calibrating, Windows expect these inputs to come back into the middle position prior to the next step of calibration. When the Windows calibration asks for "press any switch on the

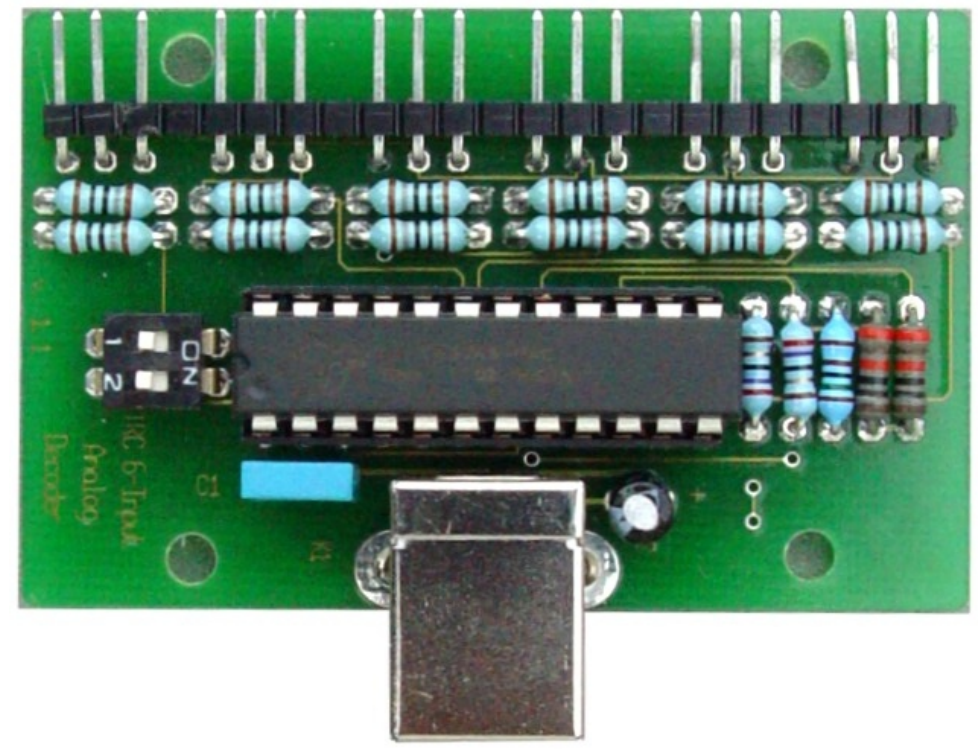
game device" just hit Enter on your keyboard.

The 6 different inputs (consisting of 3 pins per input) can be assigned to any analog function within Microsoft Flight Simulator, via the menu option "Options/Controls/Assignments".

#### Setting the identification

The TRC USB 32-Input Controller has a 2 position DIL Switch. Using a certain combination of this switch, you can give the USB 32-Input Controller a unique Identification (ID) which allows you to connect up to 4 TRC USB 6 Analog Input Controllers, with each their own DIL switch setting.

The ID will change from 00 to 04 depending on the setting of the DIL switch. For Windows to recognize a change in the DIL switch setting, the device must be shortly removed from the USB connection.



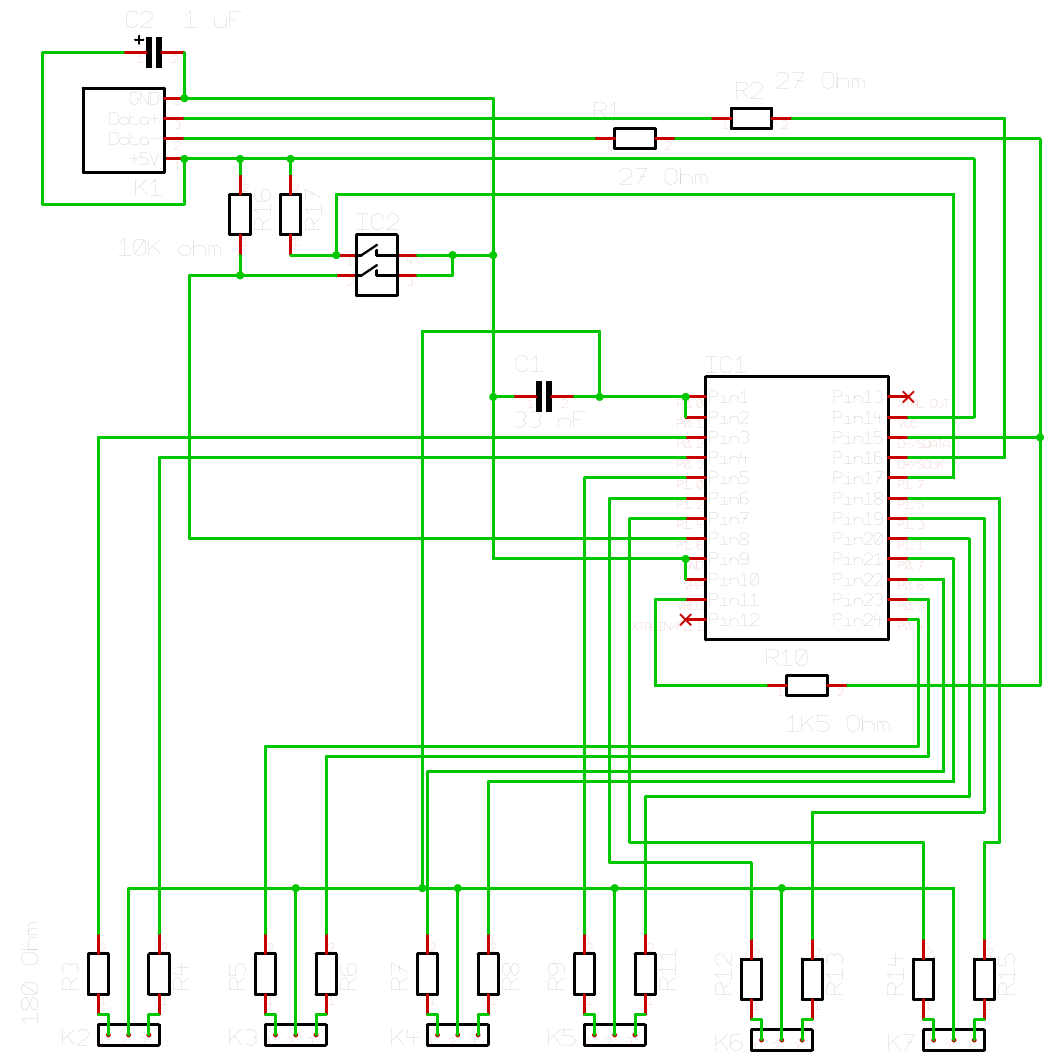
The table for the DIL switch is easy. De count is digital. This means that each of the switches is representing a certain value when set. These values are 1 and 2, This means that when the first and the second DIL switch is

"ON", the read out value is 03. When all switches are "OFF" the read out value is 00 (a valid number). To set the DIL switches to a certain value (for example 2), just switch on 2. See the explaining figure "how to connect the inputs".



### Parts list

- R1/R2 = 27 Ohm
- R3 to R9 = 180 Ohm
- R10 = 1K5 Ohm
- R11 to R15 = 180 Ohm
- R16/R17 = 10K Ohm
- C1 = 33nF (0,033uF)
- C2 = 1 uF (polarity!)
- IC1 = CY63743
- IC2 = 2 position DIL Switch
- K1 = USB Connector (B)
- K2 to K7 = 3 position pin header connectors

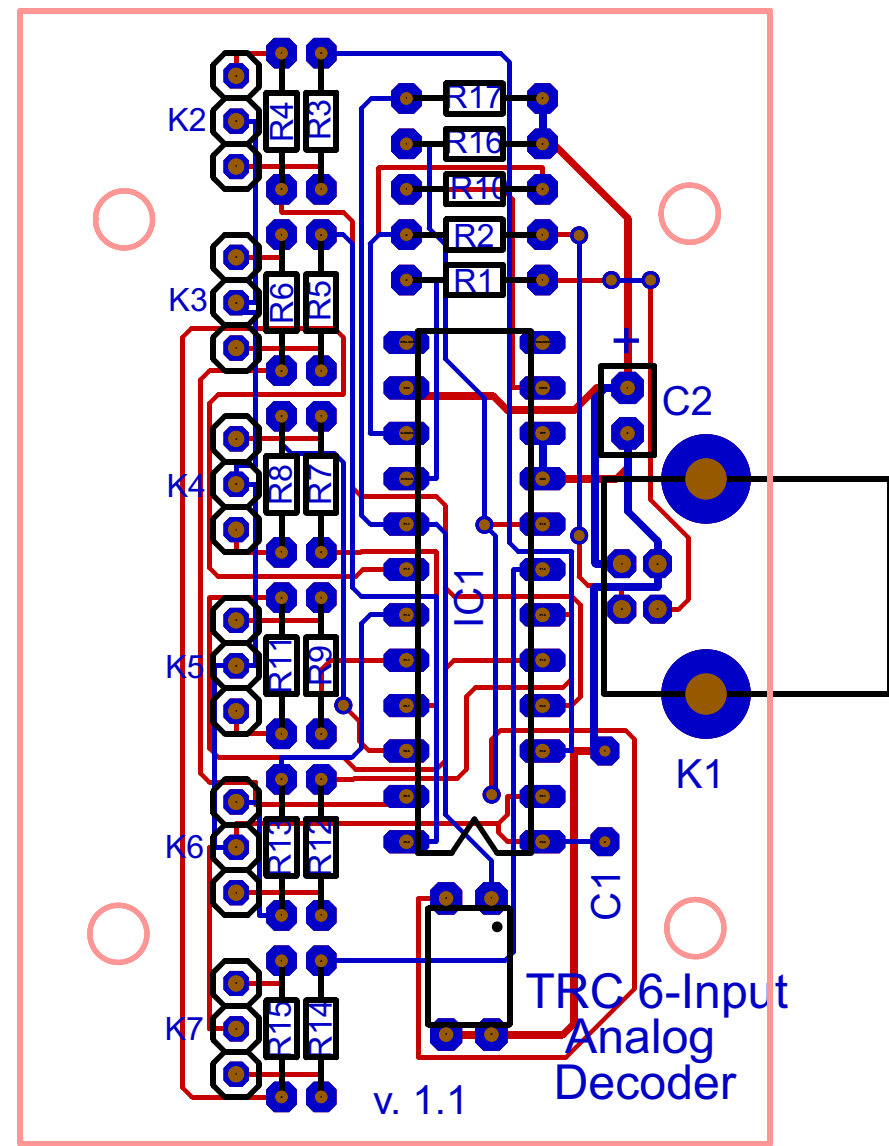


**All potentiometers 10K Ohm, Linear!**



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**Use 10 k Ohm linear potentiometers only!**

