Video Capturix - Working with the RS-232 trigger

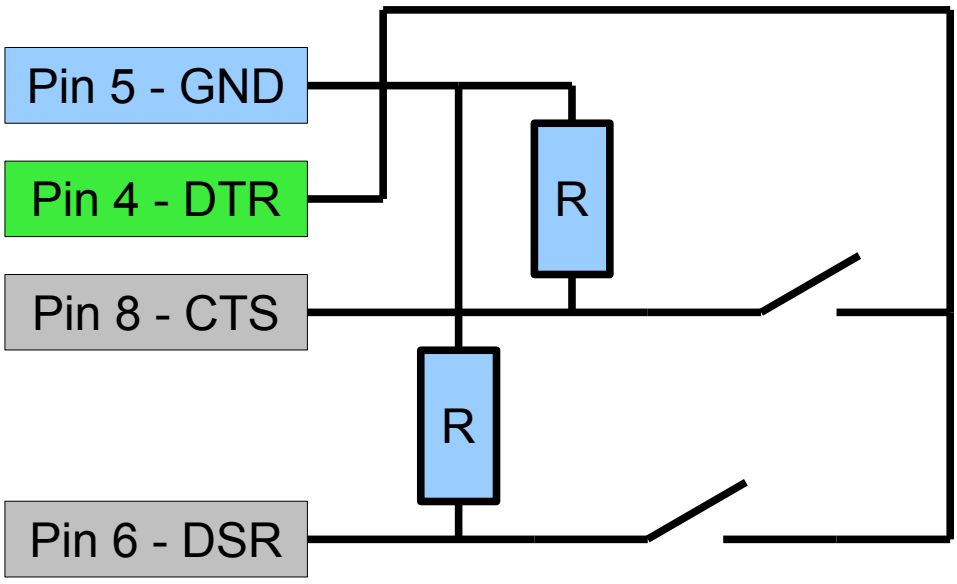
Almost each PC nowdays equiped with one/two/four serial interface (**RS232C**). This PC serial port interface is single ended (connects only two devices with each other), the data rate is less than 20 kbps. It's a voltage loop serial interface with full-duplex communication represented by voltage levels with respect to system ground. A common ground between the PC and the associated device is necessary.

Video Capturix uses 2 inputs as a input trigger, Shooter and Start/Stop signals

DB-9 Pin	Name	Description	Used
1	CD	Carrier Detect	NO
2	RXD	Receive Data	NO
3	TXD	Transmit Data	NO
4	DTR	Data Terminal Ready	YES
5	GND	System Ground	YES
6	DSR	Data Set Ready	YES
7	RTS	Request to Send	NO
8	CTS	Clear to Send	YES
9	RI	Ring Indicator	NO

* Pin assignment of internal connector may be different for different motherboard models. Pin 10 removed in connector. Internal IDC connnector wired to external port with a simple flat ribbon cable.

To make a simple trigger switch you just have to connect input pins (CTS,DTR) to a switch with DTR (output that will be high). You should also put a Resistor to ground using a 100Kohms resistor.



Implementation Example