## **TOV-340: Downloading the Configuration File**

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## 1. Preparation

- a. Download and install TeraTerm terminal software. The download URL link: http://www.vitcomm.sg/Software/teraterm-4.78.exe
- b. Get the configuration file ready. The filename is cfgxxx.txt, where xxxx contains string that describes the configuration.
- c. Get the following items ready.
  - 1. TOV-340 text inserter
  - 2. USB to RS232 cable
  - 3. 12V power adapter
  - 4. <u>RJ45 to DB9 serial cable. (This is a custom cable, see end of this document for wiring details)</u>



d. Plug the USB to RS232 cable (USB cable) into your PC's USB port. Power up the TOV and connect one end of RJ5-DB9 serial cable to USB cable and the other end to TOV's Prog port.



## 2. Downloading the configuration file using TeraTerm (below example is about configuring the TOV's ECR port to 9600, 8bit)

- a. Launch TeraTerm.
- b. On the main menu: Setup -> Serial port.
- c. Setup the comport, baud rate etc as show below, then click OK button when down.

SCOM12:9600baud - Tera Term VT	
File Edit Setup Control Window Help     Tera Term: Serial port setup     Port:   COM12 • OK     Baud rate:   9600 •     Data:   8 bit • Cancel     Parity:   none •     Stop:   1 bit • Help     Flow control:   none •     Transmit delay   0     msec/char   0	

d. On the main menu: File -> Send file, and select your configuration file -> Open

🧶 COM12:9600baud - Tera Term VT			
File Edit Setup Control Window Help			
L	🐸 Tera Term: Send file	<b>X</b>	·
	Look in: 📃 Desktop	- 🕝 🖄 📂 🛄-	
		FPGA 🔺	
	cfg11_con1_   cfg16_pole   SkyDrive -     9600_8bit.txt   cfg11_con1_9600_8bit.txt   Cfg11_con1_9600_8bit.txt	Skydrive - Vitcomm	
	Files of type: (All(".")	Cancel Help	
	Binary		

e. If the file is sent correctly, TOV will return an OK message to the terminal screen, as below.



## Annex: Making the DB9-RJ45 serial cable

a. Below depicts the custom DB9-RJ45 serial cable, which is made of off-the-shelf parts: a Cat 5 or better LAN cable (straight wiring) and a RJ-45 to DB9 patch converter . See the wiring instructions in text box.



b. Below is the pin mapping between the DB9 and RJ45

DB9 (PC)			RJ45 Plug (TOV)				
Pin	2	(RX)	->	Pin	2	(TX)	
Pin	3	(TX)	->	Pin	3	(RX)	
Pin	5	(GND)	->	Pin	5	(GND)	