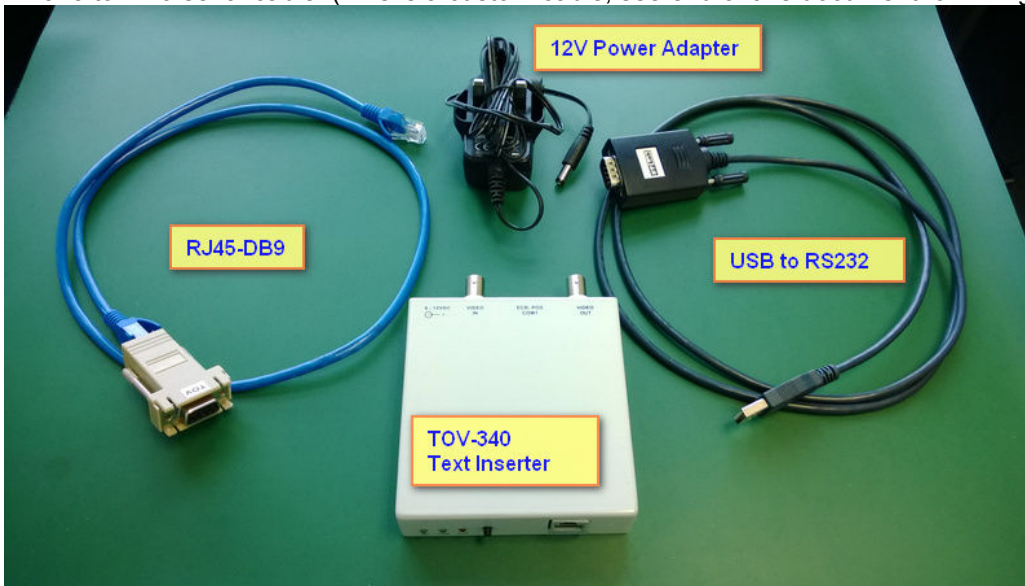# TOV-340: Downloading the Configuration File

Vitcomm Pte Ltd, Dec-2013

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. RJ45 to DB9 serial cable. (This is a custom cable, see end of this document for wiring details)
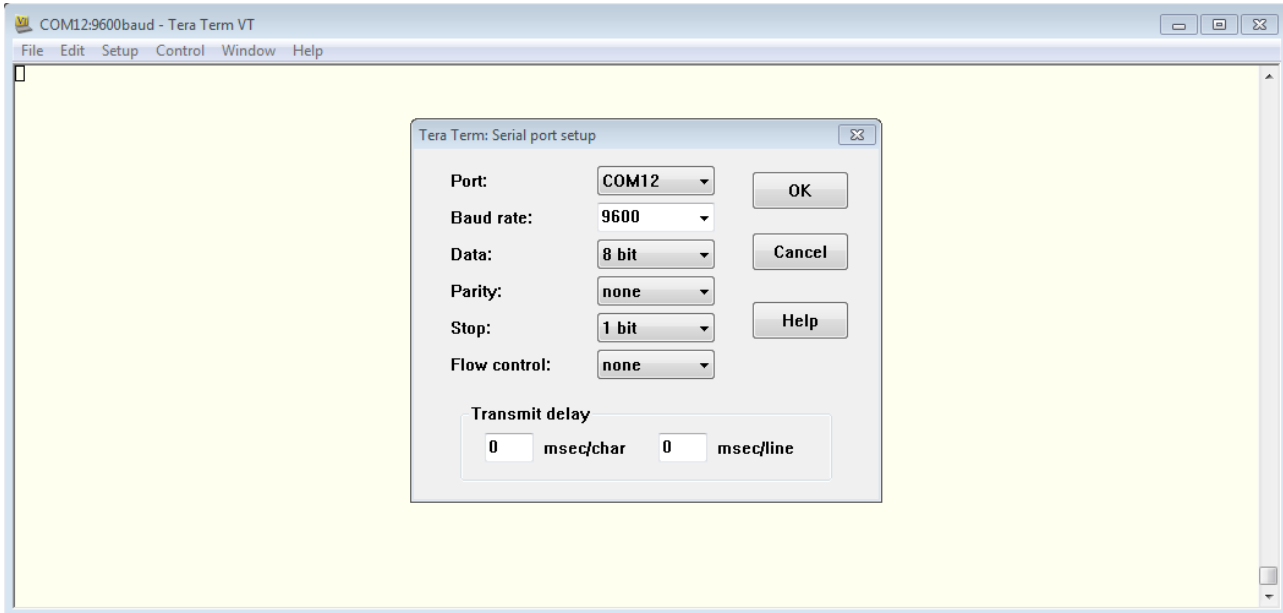

d. Plug the USB to RS232 cable (USB cable) into your PC's USB port. Power up the TOV and connect one end of RJ5-DB9 serial cable to USB cable and the other end to TOV's Prog port.
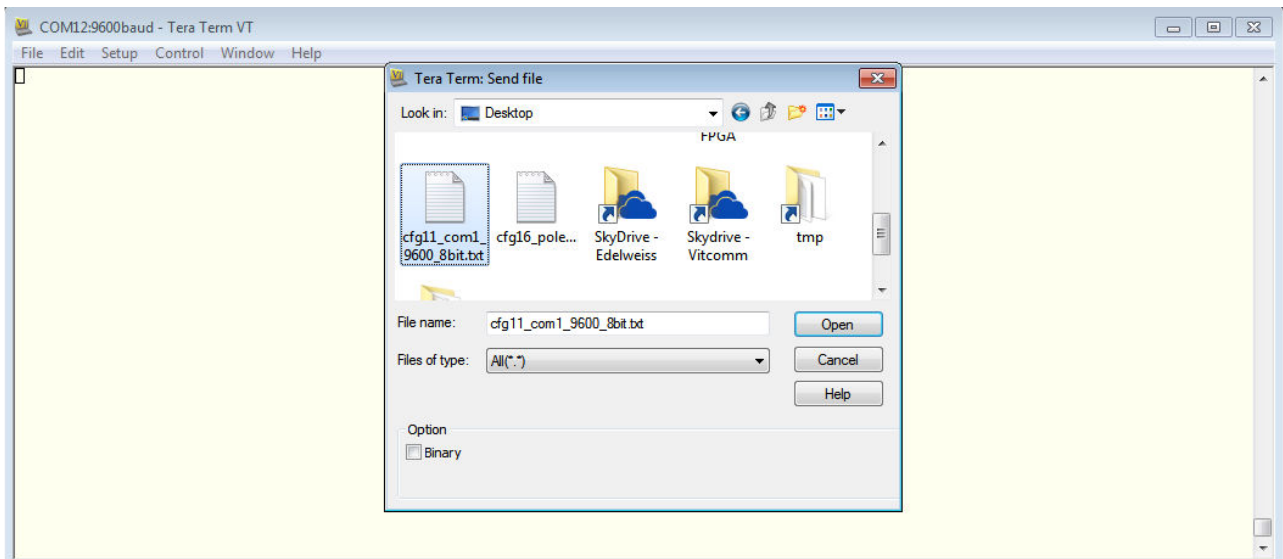
2. Downloading the configuration file using TeraTerm
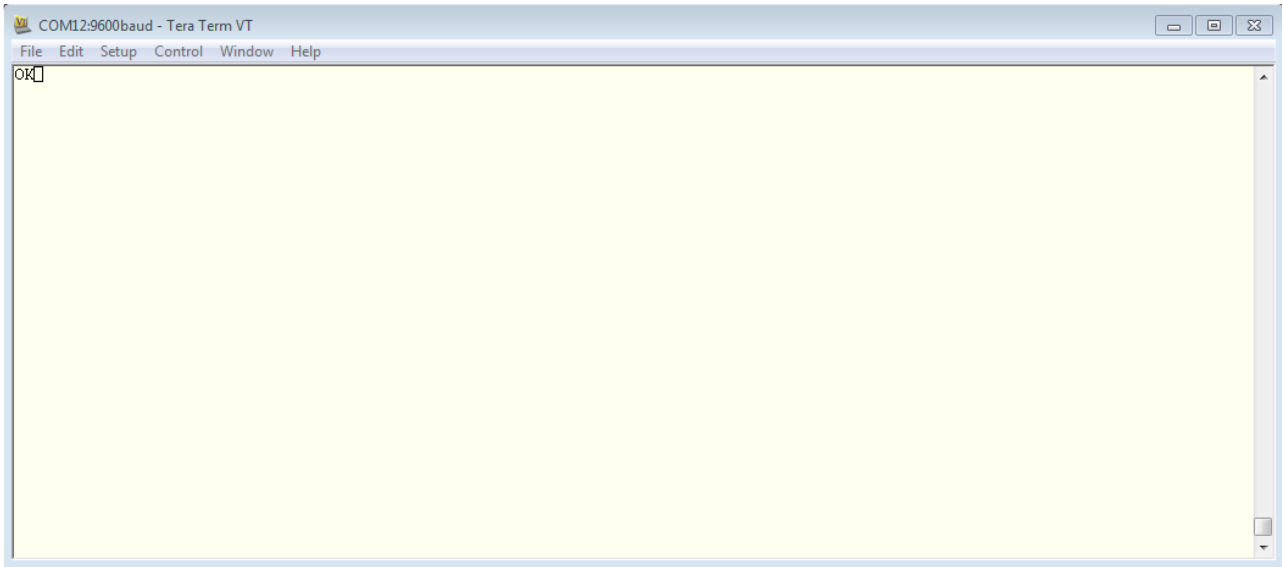(below example is about configuring the TOV's ECR port to 9600, 8bit)

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.

d. On the main menu: File -> Send file, and select your configuration file -> Open
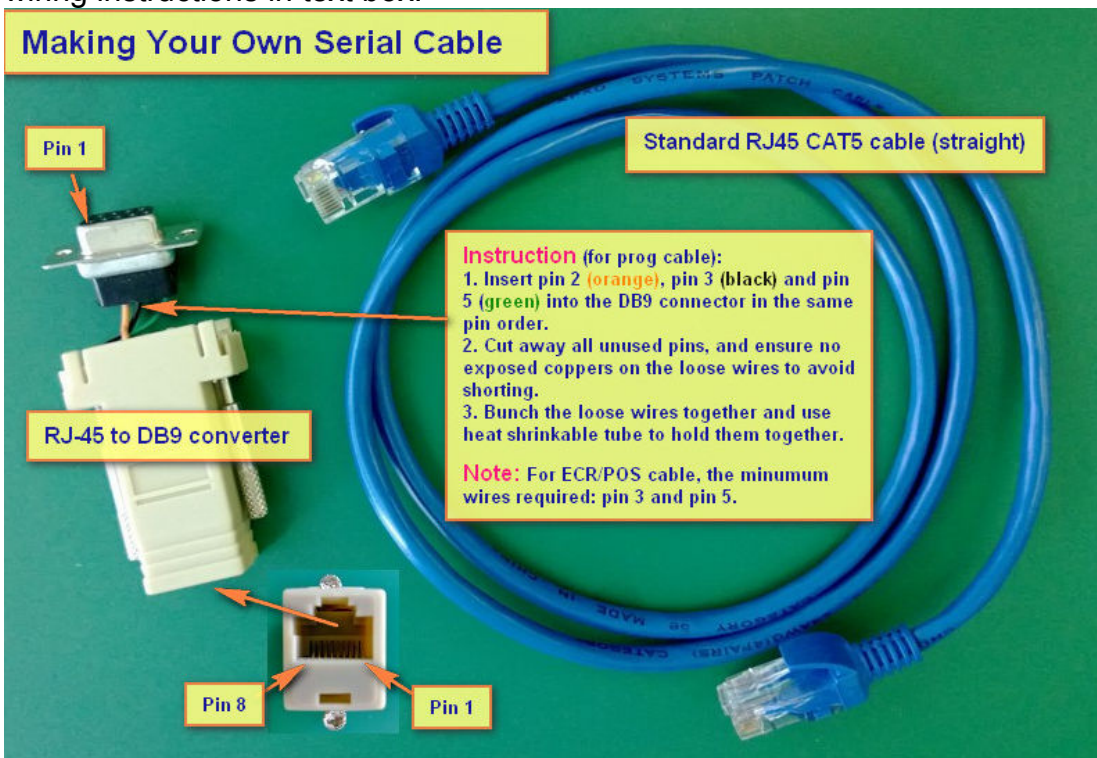
e. If the file is sent correctly, TOV will return an OK message to the terminal screen, as below.

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)
```