

COMP 3980

Power to the Protoletariat

User Manual

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User Manual - Power To The Protoletariat Terminal

This User manual will go over the basic functions and layout of the COMP3670 Final Assignment RF PPTP Terminal by Morgan Ariss, Jeremy Lee, Luke Li and Li-Yan Tong.

Required Hardware:

1 x SSRT-24 RF Data Transceiver
1 x SSRT-24 Power Supply
1 x SSRT-24 Antennae

Protocol Specification:

Power to the Protoletariat

Device Setup

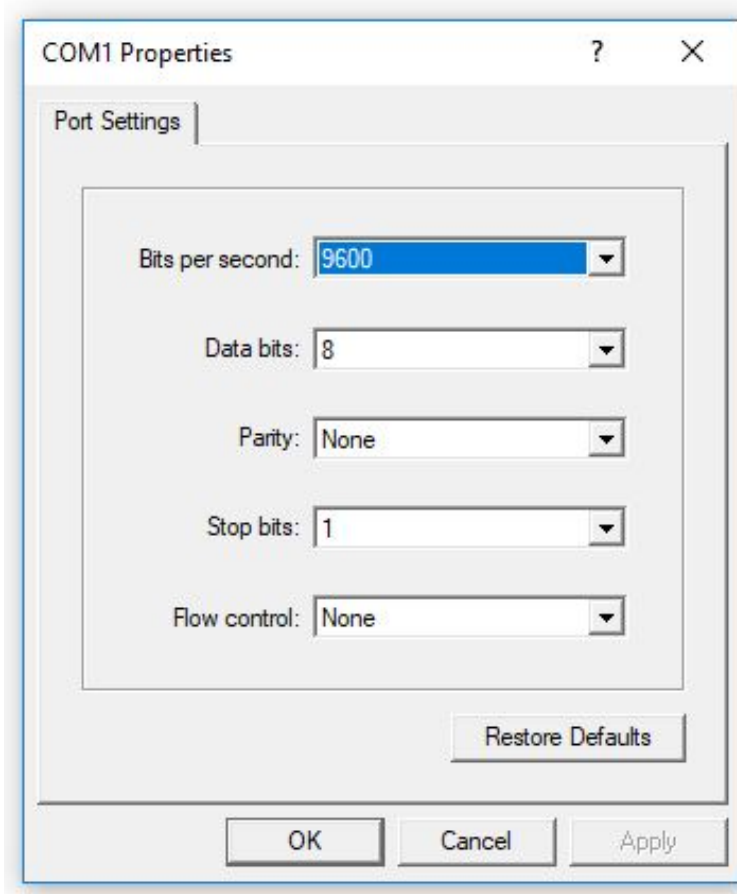
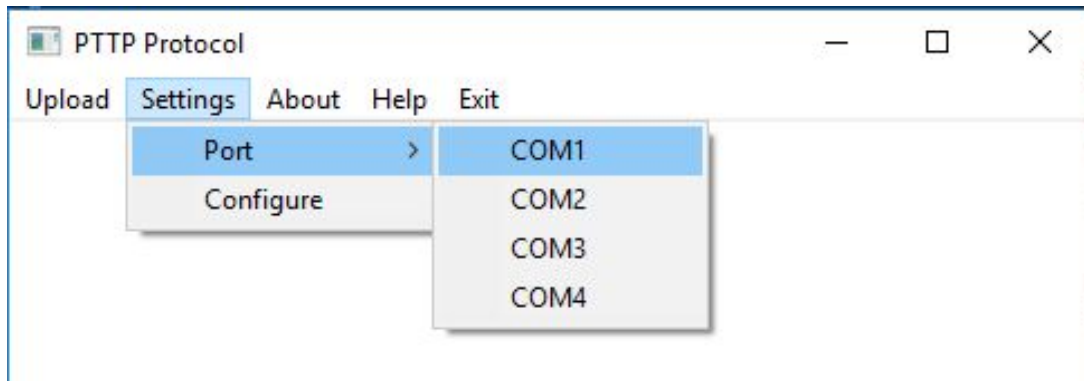
1. Connect the Antennae to the SSRT-24 Data Transceiver unit.
2. Connect the SSRT-Data Transceiver to a computer via serial port.
3. Power on the Data Transceiver



Warning: Do not power on the Unit until the antennae has been connected or it will destroy the unit

Connect Device

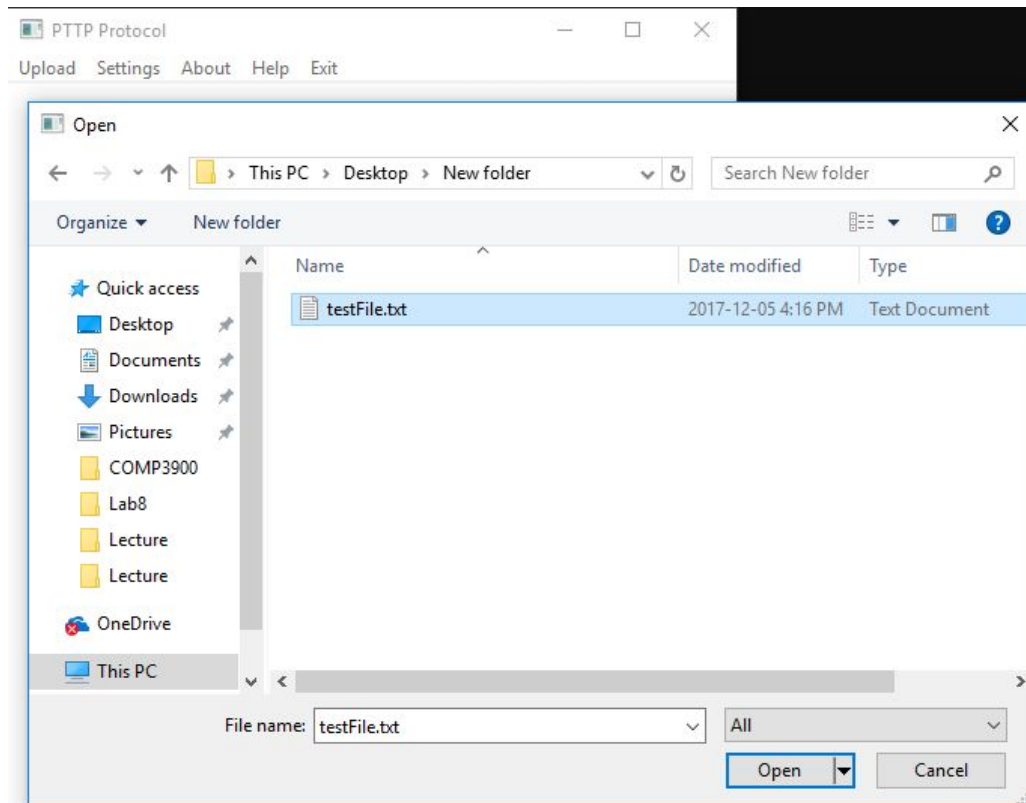
1. Select Settings > Select COM1 port
2. Set the following connection details:
 - a. Set Baud Rate to 9600
 - b. Data bits 8
 - c. Set Parity to None
 - d. Stop/Start Bit to 1
 - e. Flow control to None



Sending a file

After device has been connected with the suitable connection settings, proceed with the following steps:

1. Select the Upload Option
2. Select a .txt file

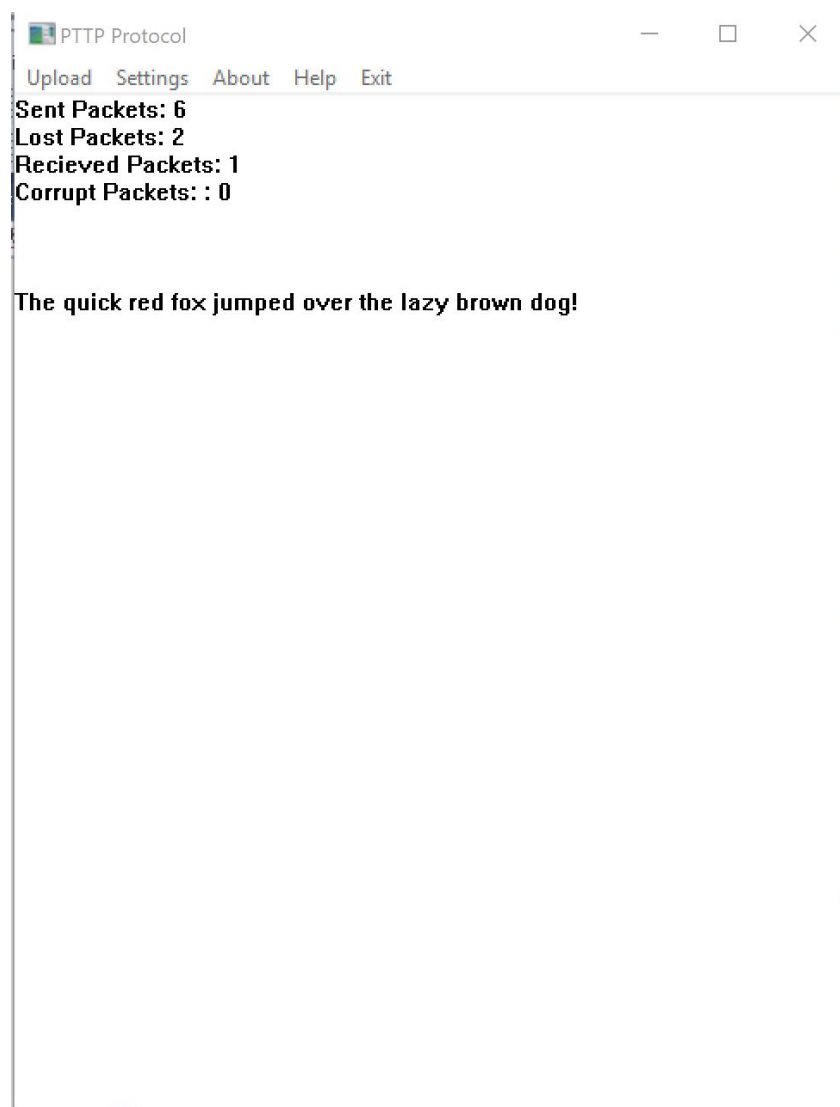


Receiving a file

After device has been connected with the suitable connection settings, the terminal will actively listen for a transmission. A log located at the top of the screen that indicates the following values:

- Total number of Sent Packets
- Total number of Lost Packets
- Total number of Received Packets
- Total number of Corrupted Packets

Followed by successfully received text file data.



Shortcut Commands

ESC - Exits the program

r - Requests an RVI, which seizes the line and prioritizes the transfer until completion.