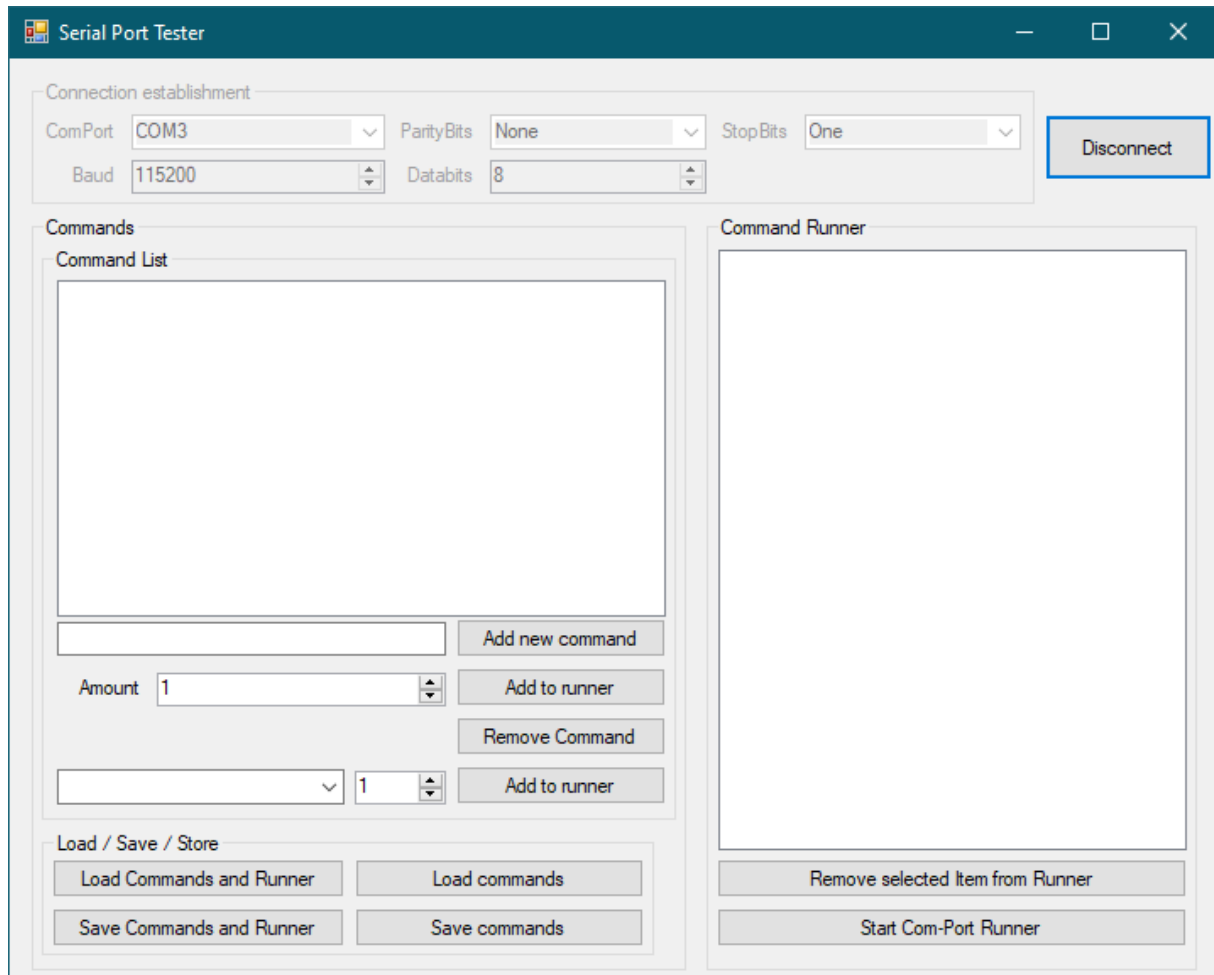


The Serial Port Tester (also known as ComPortSpammer) is a universal tool to send data over a ComPort on Windows to test applications/hardware listening on a connected port to specified commands. This utility makes it easier to perform testing with the click of a button, as every user defined or pre-existing command can be saved into a XML-file and given to another operator / reloaded on an application restart.



First, the user connects to a Comport with a Baud, Parity, data and stop bits. Once this task is completed, commands can be added to the command list and added, with up to ten repetitions at once, into the Runner. If a command is removed from the command list, it will automatically be removed from the command runner as well

There are also three predefined commands available from the dropdown menu. These include a loop functionality (repeat times), where the number can be set with the help of the numeric selector right next to it. Loops can be nested, and every loop must be closed by a break statement. Additionally, a wait (in milliseconds) is also available to let the sender thread sleep for the given amount of time, i.e. to give the receiver a bit of breathing space and to analyse the behaviour.

Before the runner starts sending the commands over the ComPort (with Start Com-Port Runner) a small syntax checking is done to ensure that every loop-statement is actually closed and that the closing is done in the right order. Therefore, it is not possible to successfully place a break clause before the loop is opened or forget to close the loop when sending the commands.

Saving is done in the XML-format. There is a choice between only saving the commands themselves and forget about the runner or to save both and obviously restore them when loading.