

Remote Serial Terminal

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This is a short how-to for using a serial terminal (minicom) via a ssh connection for controlling connected hardware and logging measurement data.

minicom

minicom is a very simple to use serial terminal for the console.

The first run should be called with the parameter **-s** (setup).

Later you can call it without any parameter. It's main interaction is done with Ctrl+A Z. This opens the options menu.

Important Commands

- Ctrl+a l: define log-file
- Ctrl+a z: options menu
- Ctrl+a x: exit

screen

screen is a terminal based window manager. this is needed, to keep a remote 'minicom session' running, when the ssh-connection is closed

- start ssh-session: `ssh user@server-url.com`
- run: `screen`
- press enter to close splash screen
- minicom (start minicom in window 0)
- do whatever you want to do in **minicom**.
to forward the Ctrl-a signal, which is caught by **screen** and very important for using **minicom**, use **Ctrl+a a**
- before closing the ssh-session, the window must be **detached** with **Ctrl-a d**
- you can close now the the ssh-session, and the minicom-session keeps running on the server.
- when you want to resume your minicom-window, connect to your server via ssh, and run
- `screen -r` (for resuming the window)

Important Commands

- resume last window: `screen -r`
- detach window: `Ctrl+a d`
- switch between windows: `Ctrl+a 0-9`
- close a window: ???

- kill a window: Ctrl+a k

[linux](#), [tools](#), [english](#), [shell](#)

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