

Tool used to read Siemens S7 PLC data.

Front-end built with [React](#), Back-end made with [Express](#) and [NodeS7](#).

Front-end is hosted locally at localhost:9000, and the back-end is hosted locally at localhost:8080.

## Installation

Made for Windows 64bit machines.

- Extract zip file to desired location.
- Open build folder, Right-click "TT13\_Send.exe" > Send to > Desktop (create shortcut)
- Double-click shortcut to run.
- Leave the cmd pop-up window running while using.

## PLC Support

- S7-1200 and S7-1500 CPU access requires access using "Slot 1" and you must disable optimized block access (in TIA portal) for the blocks you are using. In addition, you must "Enable GET/PUT Access" in the 1500 controller in TIA Portal. Doing so opens up the controller for other access by other applications as well, so be aware of the security implications of doing this.
- This has been tested only on direct connection to newer PROFINET CPUs and Helmholtz NetLINK PRO COMPACT units. It SHOULD work with any CP that supports TCP as well, but S7-200/400/1200 haven't been tested. Very old CPUs have not been tested. S7 routing is not supported.

Credit to the S7 Wireshark dissector plugin for help understanding why things were not working. (<http://sourceforge.net/projects/s7commwireshark/>)

To change the PLC connection configurations, modify the "Connections.json" file located in the config folder. The following options are available.

### Options

Property	type	default
rack	number	0
slot	number	2
port	number	102
host	string	192.168.8.106
timeout	number	5000
localTSAP	hex	undefined
remoteTSAP	hex	undefined