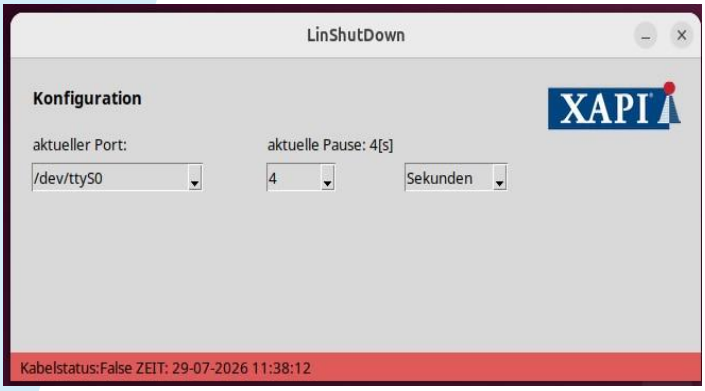
XShutdown

Automatic shutdown via external switch

RS232 / DB9

ShutDown allows a PC to automatically shut down via an external connected switch. The switch is connected to the PC via an **RS232 serial interface (9-pin DB9 connector**). The solution works with PCs with an integrated RS232 port or with a USB-to-serial adapter.



Safe triggering

The switch must be held continuously for the set waiting time. If contact is interrupted during this time, the shutdown timer is reset and monitoring continues normally.

Cabling & Hardware

Cable status: Pin 2 (RxD) and pin 3 (TxD) form a loop test. A test character is sent and expected back via RxD. This is how the software detects whether the cable is connected and continuous.

Switch contact: Pin 4 (DTR) and pin 6 (DSR) form the shutdown contacts. A simple NO is enough to start the shutdown timer.



USB CONNECTION

The shutdown can also be initiated via a USB port. A **serial-to-USB adapter** is required for this . For a relay solution, COM and NC are connected to pin 4/6; a 5 V power supply supplies the relay.

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Features

ShutDown offers a compact monitoring solution for Linux and Windows systems.

- Protects UPS and prevents data loss in the event of power outages
- Automatic shutdown via external switch on RS232/DB9 connector
- Configurable wait time in seconds or minutes
- Live cable status via traffic light display: Green = connected, Red = disconnected
- Direct configuration transfer: Port and latency are applied without service restart
- Automatic startup on system startup

LinShutDown

Debian/Ubuntu-based system. Installation via a script.
The linshutdown.service system service monitors switches and cable status after starting automatically at boot.

The interface allows you to easily configure the selection, waiting time and time unit.



WinShutDown

Windows 10/11 based system. Functionally identical to the Linux version.
In Windows, serial ports are referred to as COM1, COM2, ...

The service runs as a real Windows service and can start even before the user logs in.



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