



With an ATX PSU powering a RaspberryPi, this circuit allows to control power ON / OFF from a single push button.

The ATX PSU is started once the push button is pressed.
 The RaspberryPi starts, and automatically sets UART_TXD to 3.3V which maintains the ATX PSU ON.
 The operating system must run a script, waiting for 3.3V level on a defined PIO to trigger clean system shutdown.
 Once the RaspberryPi shutdown is reached, the UART_TXD line drops to 0V, which turns-OFF the ATX PSU.

The RaspberryPi requires to enable UART at startup, by setting enable_uart=1 in config.txt.

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