

Shut down with power switch

[Debian TS-WXL](#)

Next, turn off the power with the power switch.

Maybe SoftwareDesign 2010/2 P145 The script in Listing 3 can be used as it is.

Check kernel events

Make sure it is the same as HS-DHGL etc. just in case.

```
tswxl: ~ # cat / proc / buffalo / core name
SATA 0 pluggedtswxl:~#
tswxl: ~ # cat / proc / buffalo / core name
SATA 1 unpluggedtswxl:~#
tswxl: ~ # cat / proc / buffalo / core name
SATA 2 unpluggedtswxl:~#
tswxl: ~ # cat / proc / buffalo / core name
SATA 3 unpluggedtswxl:~#
tswxl: ~ # cat / proc / buffalo / core name
lanact 0 full eth0tswxl:~#
tswxl: ~ # cat / proc / buffalo / core name
lanact 1000 full eth0tswxl:~#
tswxl: ~ # cat / proc / buffalo / core name
tswxl:~# /usr/local/sbin/miconapl -a int_get_switch_status
#[miconapl.int_get_switch_status]
int=unknown
tswxl:~# /usr/local/sbin/miconapl -a int_get_switch_status
#[miconapl.int_get_switch_status]
int=unknown
tswxl:~# /usr/local/sbin/miconapl -a int_get_switch_status
#[miconapl.int_get_switch_status]
int=power_sw
odxl: ~ #
```

together

Creating a script

Maybe SoftwareDesign 2010/2 P145 Listing 3 script, as it is

```
tswxl:~# cat > /usr/local/sbin/kernelmon
#!/bin/sh
```

```
while :
do
    LINE = `cat / proc / buffalo / kernenvnt`
    if [ "$LINE" = micon_interrupts ]
    then
        case `/usr/local/sbin/miconapl -a int_get_switch_status | sed -n -e 's/int=//p'` in
            power_sw)
                shutdown -h now
                ;;
            *)
                ;;
        esac
    fi
done
```

be

```
done
odxl: ~ #
```

Execute manually and confirm that shutdown is performed by pressing and holding the power switch.

```
tswxl:~# sh /usr/local/sbin/kernelmon
(Press and hold the power button)
INIT:BuffaloGpio_ChangePowerStatus > Writing 0x02
Stopping internet superserver: inetd.
Saving the system clock.
Cannot access the Hardware Clock via any known method.
Use the --debug option to see the details of our search for an access method.
Stopping enhanced syslogd: rsyslogd.
Asking all remaining processes to terminate...done.
All processes ended within 1 seconds....done.
Deconfiguring network interfaces...eth0: stopped
done.
Cleaning up ifupdown....
Deactivating swap...done.
Unmounting local filesystems...done.
Will now halt.
md: stopping all md devices.
md: md1 still in use.
md: md10 switched to read-only mode.
md: md0 switched to read-only mode.
sd 0:0:0:0: [sda] Synchronizing SCSI cache
^ESystem halted.
BuffaloChangePowerStatusBeforeHalt > Check power status. MagicKey = 0x02
BuffaloGpio_ChangePowerStatus > Writing 0x7a
BuffaloChangePowerStatusBeforeHalt > Changed to 0x7a from 0x02
>miconCntl_PowerOff
>miconCntl_ShutdownWait
```

Automatic startup of power SW monitoring script

Start it up again, create /etc/init.d/kernelmon in Listing 5 of SoftwareDesign 2010/2 P147, and set up automatic execution (Fig. 14).

```
tswxl:~# cat > /etc/init.d/kernelmon
#!/bin/sh

case "$1" in
start)
    if [ -e /proc/buffalo/gpio/switch/sw_control ]
    then
        echo on > /proc/buffalo/gpio/switch/sw_control
        be
        /usr/local/sbin/kernelmon &
    ;;
stop)
    ;;
*)
    echo "Usage: $0 {start|stop}"
    exit 1
esac

exit 0
tswxl:~# chmod +x /usr/local/sbin/kernelmon
tswxl:~# chmod +x /etc/init.d/kernelmon
tswxl:~# ln -s ../init.d/kernelmon /etc/rcS.d/S81kernelmon
odxl: ~ #
```

Verification

```
tswxl:~# /etc/rcS.d/S81kernelmon start
odxl: ~ #
```

Press and hold the power button

```
INIT: SendinBuffaloGpio_ChangePowerStatus > Writing 0x02
Stopping internet superserver: inetd.
Saving the system clock.
Cannot access the Hardware Clock via any known method.
Use the --debug option to see the details of our search for an access method.
Stopping enhanced syslogd: rsyslogd.
Asking all remaining processes to terminate...done.
All processes ended within 1 seconds....done.
Deconfiguring network interfaces...eth0: stopped
done.
Cleaning up ifupdown....
Deactivating swap...done.
Unmounting local filesystems...done.
Will now halt.
md: stopping all md devices.
md: md1 still in use.
md: md10 switched to read-only mode.
md: md0 switched to read-only mode.
sd 0:0:0:0: [sda] Synchronizing SCSI cache
System halted.
BuffaloChangePowerStatusBeforeHalt > Check power status. MagicKey = 0x02
BuffaloGpio_ChangePowerStatus > Writing 0x7a
BuffaloChangePowerStatusBeforeHalt > Changed to 0x7a from 0x02
>miconCntl_PowerOff
>miconCntl_ShutdownWait
```

I fell safely, but I'd like you to say "pu".

Beep on shutdown

Modify /etc/init.d/miconapl to add "/usr/local/sbin/miconapl -a bz_on button" to shut down by pressing and holding the power button.

```
tswxl:~# cat /etc/init.d/miconapl
#!/bin/sh

[ -f /usr/local/sbin/miconapl ] || exit 0

case "$1" in
  start)
    ldconfig
    /usr/local/sbin/miconapl -b -a boot_flash_ok
    /usr/local/sbin/miconapl -a boot_end
    /usr/local/sbin/miconapl -a serialmode_console
    ;;
  stop)
    /usr/local/sbin/miconapl -a bz_on button
    /usr/local/sbin/miconapl -a shutdown_wait
    /usr/local/sbin/miconapl -a lcd_set_disptem off
    /usr/local/sbin/miconapl -a led_set_cpu_mcon off
    /usr/local/sbin/miconapl -a led_set_on_off off
    /usr/local/sbin/miconapl -a led_set_brink off
    ;;
  *)
```

```
*)    ``  
    echo "Usage: $0 {start|stop}"  
    exit 1  
esac  
  
exit 0  
  
odx1: ~ #
```

Press and hold the power button, say "push" and confirm that it falls.



TS-WXL

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