

# [PATCH 5/11] LED: Add Sharp Charger Status LED Trigger

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-01/msg11418.html>

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  - *Date:* Tue, 31 Jan 2006 13:41:40 +0000
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Add an LED trigger for the charger status as found on the Sharp Zaurus series of devices.

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Index: linux-2.6.15/arch/arm/common/sharpsl\_pm.c

```
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--- linux-2.6.15.orig/arch/arm/common/sharpsl_pm.c 2006-01-29 14:37:21.000000000 +0000
+++ linux-2.6.15/arch/arm/common/sharpsl_pm.c 2006-01-29 15:04:01.000000000 +0000
@@ -22,6 +22,7 @@
#include <linux/delay.h>
#include <linux/interrupt.h>
#include <linux/platform_device.h>
+#include <linux/leds.h>

#include <asm/hardware.h>
#include <asm/mach-types.h>
@@ -75,6 +76,7 @@
struct sharpsl_pm_status sharpsl_pm;
DECLARE_WORK(toggle_charger, sharpsl_charge_toggle, NULL);
DECLARE_WORK(sharpsl_bat, sharpsl_battery_thread, NULL);
+INIT_LED_TRIGGER(sharpsl_charge_led_trigger);

static int get_percentage(int voltage)
@@ -190,10 +192,10 @@
dev_err(sharpsl_pm.dev, "Charging Error!\n");
} else if (val == SHARPSL_LED_ON) {
dev_dbg(sharpsl_pm.dev, "Charge LED On\n");
-
+ led_trigger_event(sharpsl_charge_led_trigger, LED_FULL);
} else {
dev_dbg(sharpsl_pm.dev, "Charge LED Off\n");
-
+ led_trigger_event(sharpsl_charge_led_trigger, LED_OFF);
}
}
```

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@@ -786,6 +788,8 @@
init_timer(&sharpsl_pm.chrg_full_timer);
sharpsl_pm.chrg_full_timer.function = sharpsl_chrg_full_timer;

+ led_trigger_register_simple("sharpsl-charge", &sharpsl_charge_led_trigger);
+
sharpsl_pm.machinfo->init();

device_create_file(&pdev->dev, &dev_attr_battery_percentage);
@@ -807,6 +811,8 @@
device_remove_file(&pdev->dev, &dev_attr_battery_percentage);
device_remove_file(&pdev->dev, &dev_attr_battery_voltage);

+ led_trigger_unregister_simple(sharpsl_charge_led_trigger);
+
sharpsl_pm.machinfo->exit();

del_timer_sync(&sharpsl_pm.chrg_full_timer);
```

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