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Linux kernel stable tree

Stable Group

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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-04-25 10:45:30 +0200
commit [1c82f5a393d8b9a5c1ea032413719862098afd4b](#) (patch)
tree [39a01f6576e8997cd3374c6fc1303d4446996768](#)
parent [c8fa7ffc1c23b889b8f12dedb6e1600f9a564878](#) (diff)
download [linux-1c82f5a393d8b9a5c1ea032413719862098afd4b.tar.gz](#)

diff options

context:
space:
mode:

backlight: led_bl: Hold led_access lock when calling led_sysfs_disable()

commit 276822a00db3c1061382b41e72cafc09d6a0ec30 upstream.

Lockdep detects the following issue on led-backlight removal:

```
[ 142.315935] -----[ cut here ]-----  
[ 142.315954] WARNING: CPU: 2 PID: 292 at drivers/leds/led-core.c:455 led_sysfs_enable+0x54/0x80  
...  
[ 142.500725] Call trace:  
[ 142.503176] led_sysfs_enable+0x54/0x80 (P)  
[ 142.507370] led_bl_remove+0x80/0xa8 [led_bl]  
[ 142.511742] platform_remove+0x30/0x58  
[ 142.515501] device_remove+0x54/0x90  
...
```

Indeed, led_sysfs_enable() has to be called with the led_access lock held.

Hold the lock when calling led_sysfs_disable().

Fixes: [ae232e45acf9](#) ("backlight: add led-backlight driver")

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Diffstat

```
-rw-r--r-- drivers/video/backlight/led_bl.c 5
```

1 files changed, 4 insertions, 1 deletions

diff --git a/drivers/video/backlight/led_bl.c b/drivers/video/backlight/led_bl.c
index 032f8bddf8721e..0e53e427a91dcb 100644

--- a/drivers/video/backlight/led_bl.c

+++ b/drivers/video/backlight/led_bl.c

@@ -229,8 +229,11 @@ static void led_bl_remove(struct platform_device *pdev)
 backlight_device_unregister(bl);

led_bl_power_off(priv);

- for (i = 0; i < priv->nb_leds; i++)

+ for (i = 0; i < priv->nb_leds; i++) {

+ mutex_lock(&priv->leds[i]->led_access);

led_sysfs_enable(priv->leds[i]);

+ mutex_unlock(&priv->leds[i]->led_access);

```
+  
}  
}
```

```
static const struct of_device_id led_bl_of_match[] = {
```

generated by cgit 1.2.3-korg (git 2.43.0) at 2025-05-01 16:54:24 +0000