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## AR# 61920

### Zynq-7000 - Errors when running PS USB Peripheral Driver Examples in (Xilinx Answer 58277)

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#### Description

I am following the steps in (Xilinx Answer 58277) to run PS USB Peripheral Driver Examples in OSL 2014.2.

However, I am receiving the following errors:

```
root@zynq:/mnt# insmod g_mass_storage.ko file=/tmp/my_file
g_mass_storage: Unknown symbol fsg_common_set_ops (err 0)
g_mass_storage: Unknown symbol fsg_common_set_sysfs (err 0)
g_mass_storage: Unknown symbol fsg_common_run_thread (err 0)
g_mass_storage: Unknown symbol fsg_common_free_luns (err 0)
g_mass_storage: Unknown symbol fsg_common_create_luns (err 0)
g_mass_storage: Unknown symbol fsg_common_set_cdev (err 0)
g_mass_storage: Unknown symbol fsg_common_free_buffers (err 0)
g_mass_storage: Unknown symbol fsg_common_set_nluns (err 0)
g_mass_storage: Unknown symbol fsg_common_remove_luns (err 0)
g_mass_storage: Unknown symbol fsg_common_set_inquiry_string (err 0)
g_mass_storage: Unknown symbol fsg_common_set_num_buffers (err 0)
g_mass_storage: Unknown symbol fsg_config_from_params (err 0)
insmod: can't insert 'g_mass_storage.ko': unknown symbol in module, or unknown parameter
```

Feedback

#### Solution

The example in (Xilinx Answer 58277) was running on an older kernel version.

For later branch kernels, (for example xilinx-v2014.2) some .ko files should be inserted first.

Refer to below wiki link for more information on the Zynq Linux USB Device Driver.

<http://www.wiki.xilinx.com/Zynq+Linux+USB+Device+Driver>

Below are the required commands for the USB examples for mass storage and Ethernet in OSL 2014.2.

**Mass storage:**

```
insmod configfs.ko

insmod libcomposite.ko

insmod usb_f_mass_storage.ko

dd if=/dev/zero of=/tmp/my_file bs=1024 count=4096

insmod /mnt/g_mass_storage.ko file=/tmp/my_file
```

**Ethernet:**

```
insmod configfs.ko

insmod libcomposite.ko

insmod u_ether.ko

insmod usb_f_ss_lb.ko

insmod usb_f_ecm.ko


insmod usb_f_ecm_subset.ko

insmod usb_f_eem.ko

insmod usb_f_rndis.ko

insmod g_ether.ko
```

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Feedback

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Associated Answer Records

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↕ Answer Number	↕ Answer Title	↕ Version Found	↕ Version Resolved
58277	Zynq-7000 PS USB Peripheral Driver Examples - Mass Storage and Ethernet	N/A	N/A

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