

Re: Using a Hercules HWGUSB2-54-V2 wifi usb adapter

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2007-07/msg01908.html>

- *From:* beni <beni@xxxxxxxxxxxxxxxx>
 - *Date:* Mon, 30 Jul 2007 19:27:47 +0000
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On Monday 30 July 2007 16:13:43 Roland Smith wrote:

On Mon, Jul 30, 2007 at 03:31:48PM +0000, beni wrote:

Hi,

System : 6.2-REL p4.

I'm trying to use this usb wifi adapter. It is based on a Ralink RT2500 chipset and should thus be useable with the ural-device according to "man ural" (actually it speaks of the Hercules HWGUSB2-54, without the "V2").

The problem is that I only get a detection in dmesg like this :
ugen0: Ralink 802.11 bg WLAN, rev 2.00/0.01, addr 3
and that I don't get a "ural0" device.

All the devices needed according to man ural are in the kernel too.

How can I get this wifi adapter working ?

Try adding a macro for the correct device ID to
/usr/src/sys/dev/usb/usbdevs. In this file it is listed as GUILLEMOT
instead of Hercules, though.

You should be able to see the device-id with 'usbdevs -v'. You're
looking for the first hexadecimal number (preceded by 0x). The second
one is the vendor, and should be 0x06F8.

Look for this in /usr/src/sys/dev/usb/usbdevs:
product GUILLEMOT HWGUSB254 0xe000 HWGUSB2-54 WLAN

Then add

```
product GUILLEMOT HWGUSB254V2 0x???? HWGUSB2-54-V2 WLAN
```

Replace the ???? by the correct device ID. :-)

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Add it to the usb_devno ural_devs array in
/usr/src/sys/dev/usb/if_ural.c, and rebuild your kernel.

Look for this in /usr/src/sys/dev/usb/if_ural.c
{ USB_VENDOR_GUILLEMOT, USB_PRODUCT_GUILLEMOT_HWGUSB254 },

Then add
{ USB_VENDOR_GUILLEMOT, USB_PRODUCT_GUILLEMOT_HWGUSB254V2
},

Rebuild and install your kernel, reboot and try again.

Roland

Roland,

Your explanation worked, thanks !

```
bsdaddict# dmesg -a | grep ural
ural0: Ralink 802.11 bg WLAN, rev 2.00/0.01, addr 3
ural0: MAC/BBP RT2570 (rev 0x00), RF unknown
ural0: Ethernet address: 00:08:d3:08:31:fd
ural0: if_start running deferred for Giant
ural0: timeout waiting for BBP/RF to wakeup
bsdaddict#
```

BTW, the device id is 0x010 for this usb adapter.

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Beni.

freebsd-questions@xxxxxxxxxxx mailing list

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