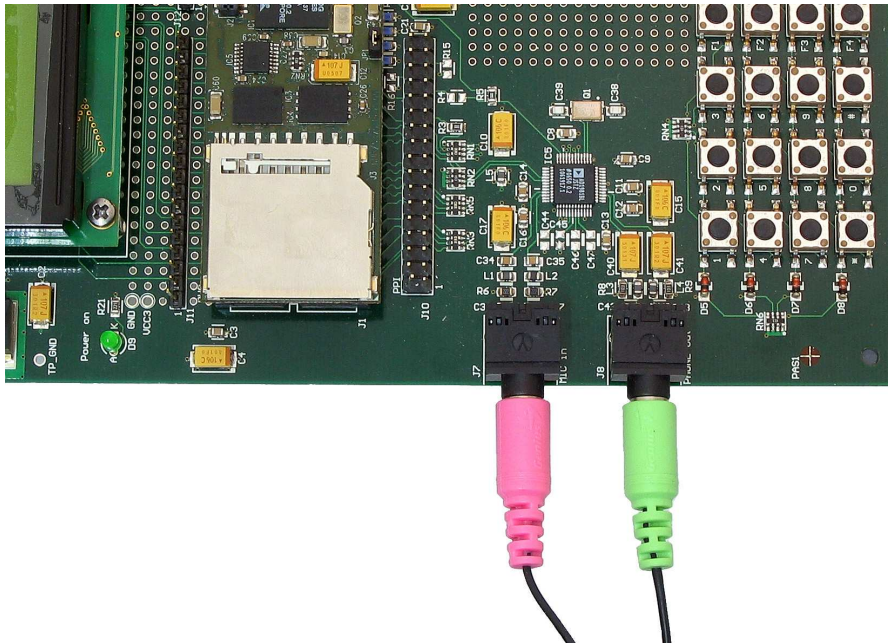


How to check the DNP/SK28 audio interface

The DIL/NetPC DNP/5370 DNP/SK28 starter kit offers an audio interface. This interface is useable for VoIP or other Ethernet-based audio applications.

- **1. Step:** Please connect an audio headset to the DNP/EVA13 connectors J7 (Audio Input Interface) and J8 (Audio Output Interface).



- **2. Step:** Load the `snd-ad1981b.ko` device driver. Then run the `tone` frequency output demo program.

```

Telnet 192.168.0.126
DNP5370 login: root
Password:
=====
DNP/5370 board
=====
BusyBox v1.00 (2007.11.23-12:22+0000) Built-in shell (msh)
Enter 'help' for a list of built-in commands.

root:~> cd /flash
root:/flash> ls -al
drwxr-xr-x  4 root  root      0 Jan  1 00:00 .
drwxr-xr-x 17 root  root    1024 Dec  5 2007 ..
-rw-rw-rw-  1 root  root     567 Jan  1 00:06 autostart.sh
drwxr-xr-x  2 root  root      0 Jun 28 1971 config
-rwxr-xr-x  1 root  root   21832 Jan  1 00:00 lcddemo
-rw-r--r--  1 root  root   17064 Jan  1 00:06 snd-ad1981b.ko
-rwxr-xr-x  1 root  root   27196 Jan  1 00:06 tone
root:/flash> insmod snd-ad1981b.ko
root:/flash> ./tone
TONE: generating sine wave at 1000 Hz...
root:/flash> ./tone 1234
TONE: generating sine wave at 1234 Hz...
root:/flash> ./tone 2345
TONE: generating sine wave at 2345 Hz...
root:/flash> ./tone 3456
TONE: generating sine wave at 3456 Hz...
root:/flash> ./tone 4567
TONE: generating sine wave at 4567 Hz...
root:/flash> ./tone 5678
TONE: generating sine wave at 5678 Hz...
root:/flash> ./tone 6789
TONE: generating sine wave at 6789 Hz...
root:/flash> ./tone 8901
TONE: generating sine wave at 8901 Hz...
root:/flash> █

```

```
insmod snd-ad1981b.ko  
./tone
```

The first command line installs the **snd-ad1981b.ko** device driver as a loadable module for the DNP/5370 Linux O/S.

The second command line runs **tone**. Without any parameter **tone** generates a 1.000 Hz output signal.

That is all.