

**NAME**

**snd\_atiixp** - ATI IXP bridge device driver

**SYNOPSIS**

To compile this driver into the kernel, place the following lines in your kernel configuration file:

```
device sound  
device snd_atiixp
```

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

```
snd_atiixp_load="YES"
```

**DESCRIPTION**

The **snd\_atiixp** bridge driver allows the generic audio driver, sound(4), to attach to ATI IXP audio devices. This driver supports 16bit playback and recording, and 32bit native playback and recording.

**Runtime Configuration**

The following sysctl(8) variables are available in addition to those available to all sound(4) devices:

*dev.pcm.%d.polling* Experimental polling mode, where the driver operates by querying the device state on each tick using callout(9). Polling is disabled by default. Do not enable it unless you are facing weird interrupt problems or if the device cannot generate interrupts at all.

**HARDWARE**

The **snd\_atiixp** driver supports the following audio chipsets:

- ⊕ ATI IXP 200
- ⊕ ATI IXP 300
- ⊕ ATI IXP 400

**SEE ALSO**

sound(4)

**HISTORY**

The **snd\_atiixp** device driver first appeared in FreeBSD 6.1.

**AUTHORS**

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**BUGS**

The **snd\_atiixp** driver does not support S/PDIF, but implementing it should be fairly easy if the right hardware is available.

32bit native recording is broken on some hardware.