

**NAME**

**hprr** - HighPoint RocketRAID device driver

**SYNOPSIS**

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

```
device hprr  
device scbus  
device da
```

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

```
hprr_load="YES"
```

The following tunables are settable from the loader:

*hw.hprr.attach\_generic*

set to 1 to permit driver attach to chips with generic Marvell (non-HighPoint) PCI identification. These chips are also supported by ata(4) and mvs(4). Some vendors are using same chips, but without providing RAID BIOS.

**DESCRIPTION**

The **hprr** driver provides support for HighPoint's RocketRAID based RAID controllers.

These devices support SATA/ATA disk drives and provide RAID0 (striping), RAID1 (mirroring), and RAID5 functionality.

**HARDWARE**

The **hprr** driver supports the following RAID controllers:

- ⊕ RocketRAID 172x series
- ⊕ RocketRAID 174x series
- ⊕ RocketRAID 2210
- ⊕ RocketRAID 222x series
- ⊕ RocketRAID 2240
- ⊕ RocketRAID 230x series
- ⊕ RocketRAID 231x series
- ⊕ RocketRAID 232x series
- ⊕ RocketRAID 2340
- ⊕ RocketRAID 2522

**NOTES**

The **hptrr** driver only works on the i386 and amd64 platforms as it requires a binary blob object from the manufacturer which they only supply for these platforms. The **hptrr** driver does *not* work on i386 with `pae(4)` enabled.

This driver does not support the RR182x series controller. See the `hptmv(4)` manual page for details on support.

This driver supersedes the older `rr232x` driver.

**SEE ALSO**

`ata(4)`, `cam(4)`, `hptmv(4)`, `mvs(4)`, `loader(8)`

**HISTORY**

The **hptrr** device driver first appeared in FreeBSD 6.3.

**AUTHORS**

The **hptrr** device driver was written by HighPoint Technologies, Inc., and ported to FreeBSD by Scott Long. This manual page was written by David E. O'Brien.

**BUGS**

The **hptrr** driver does not support manipulating the RAID from the OS, RAIDs need to be set up from the on-board BIOS.