

# Register description

## Registers

Addresses	Register Name	Description
0x00	reg0	write something useful for reg0
0x01	reg1	write something useful for reg0
0x02	reg2	write something useful for reg0
0x03	reg3	write something useful for reg3
0x04	reg4	reg4 is a very useful register. It can take down the moon when configured correctly.
0x05	reg5	reg5 is as useful as reg4 but without a reset value defined.
0x06	reg6	reg6 is a read only register.
0x07	reg7	write something useful for reg7

## reg0

**Name:** reg0  
**Address:** 0x0  
**Reset Value:** 0x00000000  
**Access:** read-write  
**Description:** write something useful for reg0

Bits	Field name	Type	Description
[31:24]	byte3		write something useful for field3
[23:16]	byte2		write something useful for field3
[15:8]	byte1		write something useful for field1
[7:0]	byte0		write something useful for field0

## reg1

**Name:** reg1  
**Address:** 0x1  
**Reset Value:** 0x00000001  
**Access:** read-write  
**Description:** write something useful for reg0

Bits	Field name	Type	Description
[31:0]	field0		write something useful for field0

## reg2

**Name:** reg2  
**Address:** 0x2  
**Reset Value:** 0x00000001  
**Access:** read-write  
**Description:** write something useful for reg0

Bits	Field name	Type	Description
[5:4]	monkey2	chimp=0, gorilla=1, phb=2	which monkey
[3:2]	monkey	chimp=0, gorilla=1, phb=2	which monkey
[1:1]	power2		write something useful for field power2
[0:0]	power		write something useful for field power

## reg3

**Name:** reg3  
**Address:** 0x3  
**Reset Value:** 0x00000001  
**Access:** read-write  
**Description:** write something useful for reg3

Bits	Field name	Type	Description
[31:0]	field0		write something useful for field0

## reg4

**Name:** reg4  
**Address:** 0x4  
**Reset Value:** 0x0000000c  
**Access:** read-write  
**Description:** reg4 is a very useful register. It can take down the moon when configured correctly.

Bits	Field name	Type	Description
[31:0]	reg4		

## reg5

**Name:** reg5  
**Address:** 0x5  
**Access:** read-write  
**Description:** reg5 is as useful as reg4 but without a reset value defined.

Bits	Field name	Type	Description
[31:0]	reg5		

## reg6

**Name:** reg6  
**Address:** 0x6  
**Access:** read-only  
**Description:** reg6 is a read only register.

Bits	Field name	Type	Description
[31:0]	reg6		

## reg7

**Name:** reg7  
**Address:** 0x7  
**Reset Value:** 0x00000000  
**Access:** read-write  
**Description:** write something useful for reg7

Bits	Field name	Type	Description
[19:16]	nibble2		write something useful for field3
[15:12]	unused1		unused
[11:8]	nibble1		write something useful for field3
[7:4]	unused0		unused
[3:0]	nibble0		write something useful for field0