

Re: Could someone please explain this?

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- *From:* vic <news@xxxxxxxxxxxxxxxx>
 - *Date:* Wed, 30 Aug 2006 15:38:46 +0200
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Michael wrote:

Hi,

I'm writing a program that interfaces with a device on the serial port and in the documentation it says the following:

3.1.1. Header:Code.

The Header:Code combination is configured thus:

Header: 7 6 5 4 3 2 1 0

< Number of Dims> 1 F/A E/S

Where:

Number of Dims is a value between 0 and 22 identifying the number of dims to be transmitted (22 is equivalent to 100%)

Bit 2 is always set to '1' to ensure that the interface is able to maintain synchronization.

F/A defines whether the following byte is a function (1) or address (0).

E/S defines whether the following byte is an extended transmission (1) or a standard transmission (0).

Re: Could someone please explain this?

Could someone please explain what "Number of Dims is a value between 0 and 22 identifying the number of dims to be transmitted (22 is equivalent to 100%)" means?

A link to the documentation: <http://www.marmitek.com/en/software/PROTOCOL.DOC>
(Bottom of page 2)

Thanks,

Michael

It means bits 7 through 4 form a 5-bit number to be interpreted as the "dim" value. The value would be :
(header & 0xF8) >> 3

There is probably some kind of linear interpolation where 22 means 100% and 11 50%.

vic

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