

## Re: STA013 problem

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-06/msg03507.html>

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- *From:* Pooh Bear <[rabbitsfriendsandrelations@xxxxxxxxxxxxx](mailto:rabbitsfriendsandrelations@xxxxxxxxxxxxx)>
  - *Date:* Sat, 25 Jun 2005 16:22:17 +0100
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eeh wrote:

- > Thanks for your reply.
- >
- > For the sta013, the I2C bus is used to configure the chip

Yes.

- > and the SPI
- > interface (Pins 5,6,7) is used to stream the mp3 data into it.

Unless I don't get it – that's not what I call an SPI interface.

That'll also explain why the sta013 isn't outputting any audio data.

- > I used
- > normal IO port to push data so that I need to swap bits before
- > serialize into the STA013.

I don't understand what you're saying there. What exactly is the source of the mp3 compressed data ?

What kind of 'normal I/O' ? I'd call 8 bit parallel about as normal as it gets but even Intel and Motorola couldn't agree on read and write strobes.. All the serial formats ( which it is ) are a bit quirky.

- > The I2C interface is indeed OK as it returns correct chip ID, and so I
- > think it is OK. I think I should say it more firmly.:)

Ok.

Look at the transfer protocol for that SDI ( not SPI ) input ! I think that's your problem.

Graham

- **References:**

- ◆ **STA013 problem**
  - ◇ *From: eeh*
- ◆ **Re: STA013 problem**
  - ◇ *From: Pooh Bear*
- ◆ **Re: STA013 problem**
  - ◇ *From: eeh*

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