

## **New AVR Project**

ajay\_bhargav, Thu Jun 12 2008, 12:33 pm

### **DDS Audio Function Generator - Bascom AVR Project**

Gioppy from Italy mailed me this new Bascom AVR project. Its an Audio function generator with lots of features like:

- » DC/AC Output selection
- » Type of Output signal selection
- » Wide range of frequency selection

This is what he mailed me about this project

### ***Bascom-Avr Compiler***

#### ***ATMEGA48      DDS Audio Function Generator***

##### ***Features***

***Frequency range :    1Hz - 20KHz          useful to 100KHz***

***Resolution :            1Hz***

***Waveform :          Sine, Square, Triangle, Sawtooth***

***Output level :          Adjustable 0 - 5V.p.p.***

***Square wave open drain output (TTL compatible)***

***Battery powered***

***I don\'t recommend this project for anyone who is NEW to electronics.***

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##### ***ATMEGA48 Fuses configuration:***

***Sp1en ON ,Rstdisab OFF, Esave OFF, Ckout OFF, Wdton OFF, Ckdiv OFF,***

***SelfprgEn OFF, DwEn OFF, Bodlevel = 111 , Cksel = 0111 , Sut = 11***

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***Gioppy***

Some screenshots from his hardware:

Do comment on what you think about this project.

Forum: [www.8051projects.net/forum.html](http://www.8051projects.net/forum.html)