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.

ATMEGA48 Fuses configuration:
Spien ON ,Rstdisab OFF, Esave OFF, Ckout OFF, Wdton OFF, Ckdiv OFF,
SelfprgEn OFF, DwEn OFF, Bodlevel = 111 , Cksel = 0111 , Sut = 11

Gioppy

Some screenshots from his hardware:

Do comment on what you think about this project.

Forum: www.8051projects.net/forum.html