TSW3100 Loader Instruction

Hamza Fraz

Kang Hsia

TEXAS INSTRUMENTS

TSW3100 Loader Instruction

(1)

Type in the data rate.

Data rate = Fdac/interpolation

(2)

Select the appropriate output format for the DAC interface.

LVDS – LVDS DACs such as DAC5682z
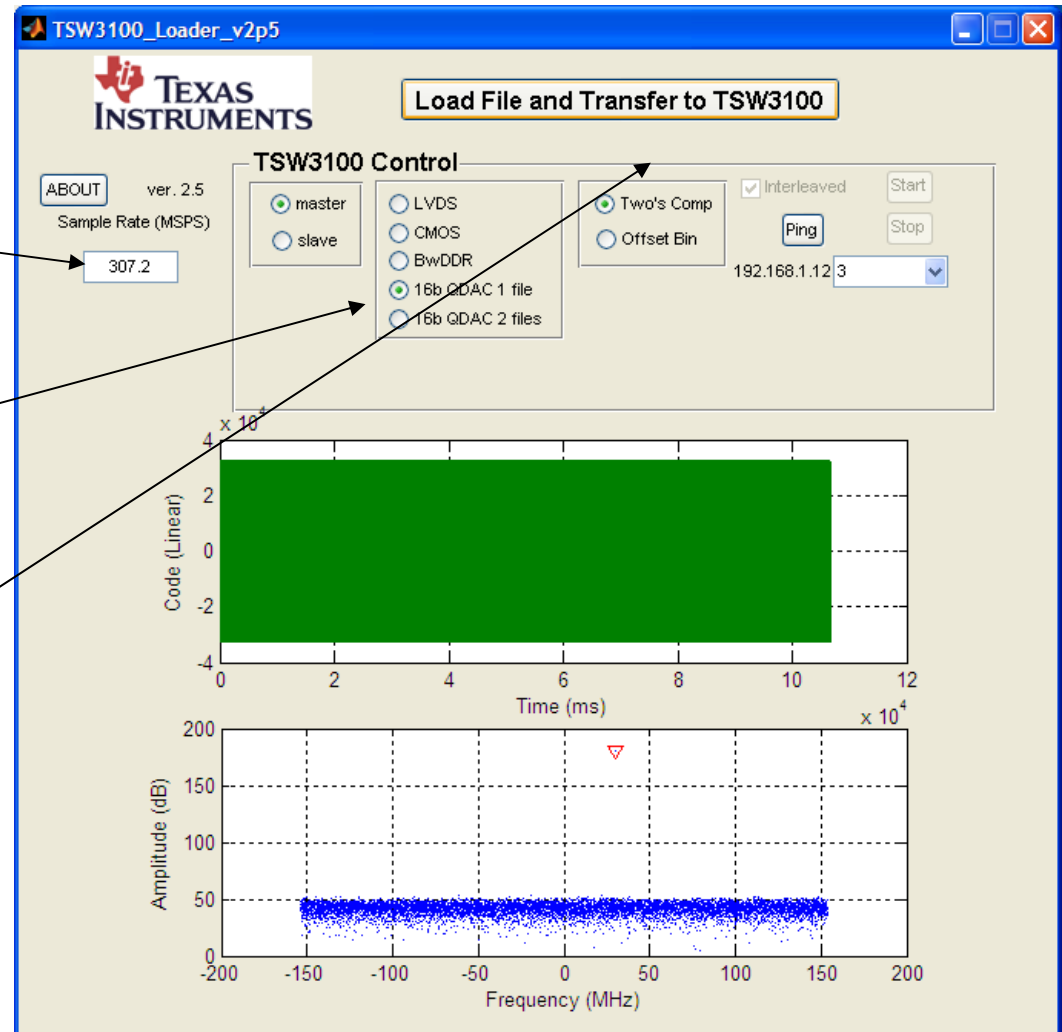
CMOS – CMOS DACs such as DAC5687, DAC5688

BWDDR – Byte Wide DDR DACs such as DAC3282 and DAC3283

16B QDAC – DAC3484 interface
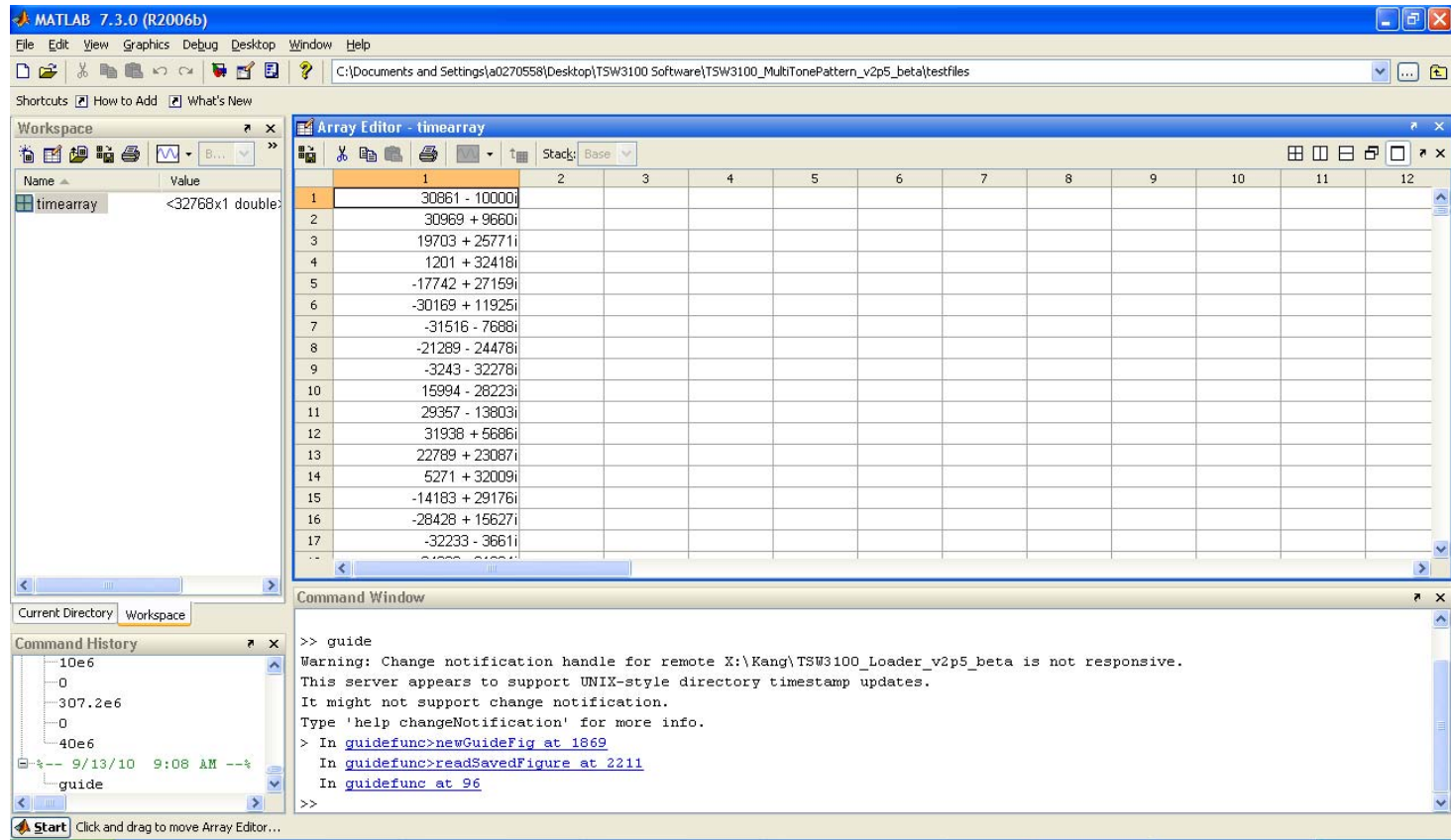
(3)
Load the .mat file
The .mat file's vector length must be multiple of 32 (2^{15} is used)

Matlab File Format

.mat file format:
1. Value of real and imaginary number must have range from -32768 and 32767 (two's complement format).
2. Vector size of 2^15 is used in this example.

Revision

- V1.0
  - 10-05-2010 initial write-up.

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