

## eSE serial Coding Notes

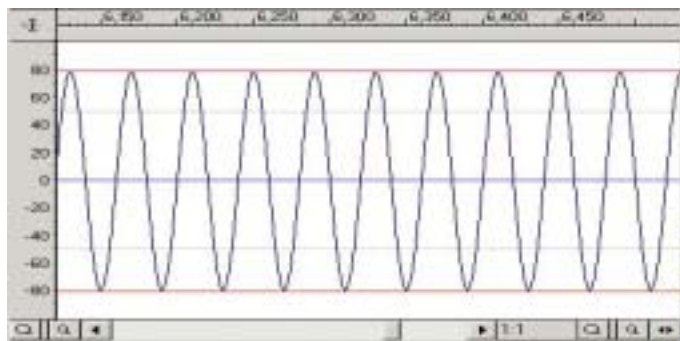
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Issue Version : **1.0**  
Supported Chips : **eSE serial all chip**  
Applicable Software : **Version 1.0**

### 1.0 What's New with eSE serial

- The eSE serial is new ASPCM+ algorithm for PWM output.
- Voice out is more clear; bright; aloud & small noise.

### 2.0 The eSE serial coding Notes

- Sample rate can select **4.3K/ 5K/ 6K/ 7.5K/ 10K/ 15K** Hz
- The wave file type must use "**16bit**" for ASPCM+.  
New algorithm can't support old 8Bit wave type.
- The wave's volume don't need normalize to maximal,  
The best volume is about **80%**.



#### NOTE

- *If user want to get bigger volume for voice out, Customer can normalize the wave to go bigger volume.*