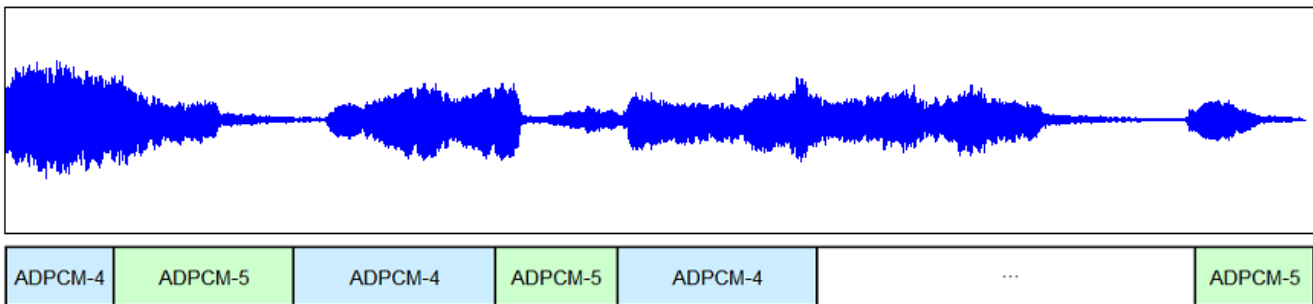


Application Note of Setting NY6 Factor

Description: When using NY6 series and Factor set as 2~8 or 10 ~12, there might has some pop sound when playing.

Reason: NY6 will divide a voice file into multiple frames in encoding process, and data of each frame will be encoded to 4-bit ADPCM, 5-bit ADPCM or PCM respectively based on the Factor setting. When NY6 playback sounds, playing next frame that is encoded with different algorithm might result in unsmooth connection of sound and thus pop noise occurs, especially when the wav is a pure instrument music or sound with less instruments.



Solution: Select the Factor with fixed encoded algorithm, for example, Factor 1 is fixed to 4-bit ADPCM, Factor 9 is fixed to 5-bit ADPCM, or PCM.

| Factor | Bits |
|--------|------|
| PCM | 10.0 |
| 12 | 5.60 |
| 11 | 5.40 |
| 10 | 5.20 |
| 9 | 5.00 |
| 8 | 4.84 |
| 7 | 4.68 |
| 6 | 4.52 |
| 5 | 4.36 |
| 4 | 4.24 |
| 3 | 4.12 |
| 2 | 4.04 |
| 1 | 4.00 |