

Software Synthesizer Library

bismark LLC
<http://www.bismark.jp>

Overview

1. Sound Library

- *Support SF2 (SoundFont) and DLS (Downloadable Sounds)*
- *Provide Various Sets (Including GM, ...)*

2. Synthesizer Engine Library

- *High Portability*
- *Light Processing with Original Algorithm*

3. MIDI Player Library

- *Provide Player APIs*
- *Support Various OS, Platforms, and File Formats*
- *Key / Tempo / Guide Melody Control*

4. MIDI Driver Library

- *Provide Real-time MIDI APIs*
- *Support Various OS and Platforms*

1. Sound Library

- ***Support SF2 (SoundFont) and DLS (Downloadable Sounds)***
 - *De facto Standard Format for Wave Table Synthesizer*
- ***Provide Various Wave Table Library Sets for Demanded Spec.***
 - *GM (General MIDI)*
 - *GS (Roland SC-55, SC-88) Compatible*
 - *Additional Customized Presets*

2. Synthesizer Engine Library

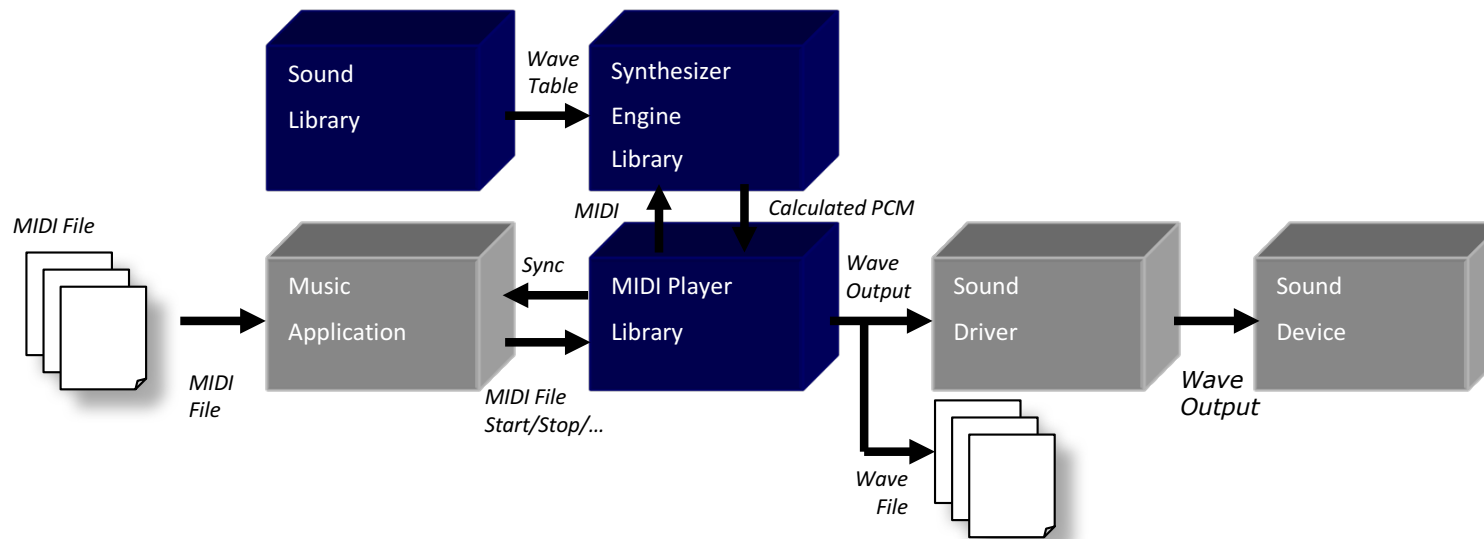
- **High Portability**
 - *Independent from OS/CPU/Platforms*
- **Module System**
 - *GM (General MIDI), GS (Roland), ...*
- **Support Various Targets**
 - *Light Processing > for Embedded (Mobile Phone /Smart Phone)*
 - *High Quality > for Professional KARAOKE / Software Instruments*
- **Internal Effects**
 - *Reverb*
 - *Chorus*
 - *Delay*
 - *EQ*

3. MIDI Player Library

- **Provide MIDI File Player API**
 - *Easy to Construct Player/KARAOKE Applications*
 - *Provide Time Synchronization Method for Lyric, etc.*
 - *Support Key / Tempo / Guide Melody Control*
 - *Sample Accurate MIDI Rendering*
 - *Can be used as MIDI to Wave File Converter*
- **Support Various OS and Platforms**
 - *iOS, Android, Windows, Linux, ...*
- **Support Various Standard Formats**
 - *SMF, MIDI Triggered Wav / AIFF / MPEG / ADPCM Playback (Option), ...*



KY/Keumyoung (South Korea)
Professional Karaoke Commander
KG LiVEN (KMS-S100)

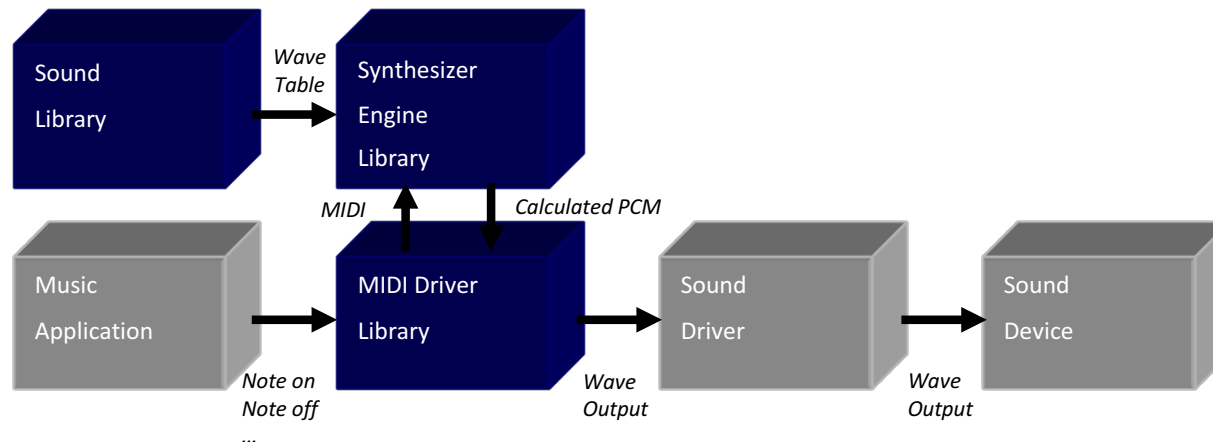


4. MIDI Driver Library

- **Provide Real-time MIDI API**
 - *Replace Hardware MIDI Sound Module*
 - *Easy to Construct Virtual Instrument, MIDI Sequencer*
 - *Includes MIDI File Player*
- **Support Various OS and Platforms**
 - *iOS, Android, Windows, Linux, ...*
- **Support Standard Format**
 - *SMF*
- **Low-Latency Solution**
 - *Support Audio Unit (iOS) / Steinberg ASIO (Windows PC)*



bismark bs-16i
Available iOS AppStore



And More...

- **MIDI Authoring Environment**
 - *Various File Converters are Available*
 - *Support Software Instrument Plug-In*
 - *Steinberg / VST, Apple / Audio Units*
- **Customization**
 - *Porting to Specified OS and Platforms*
 - *Add Various Algorithm and Effects*
 - *Add New File Format*

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