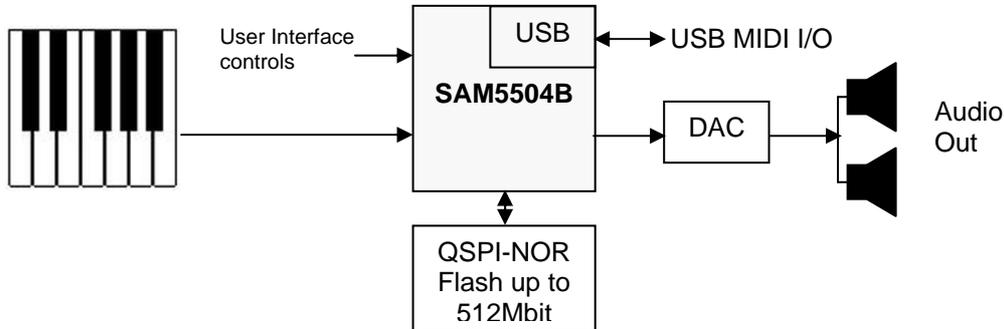


5504-EK + 5504KBD-FP is a stand-alone evaluation and development kit based on SAM5504B, dedicated to low cost Keyboard instruments.



### Software Features

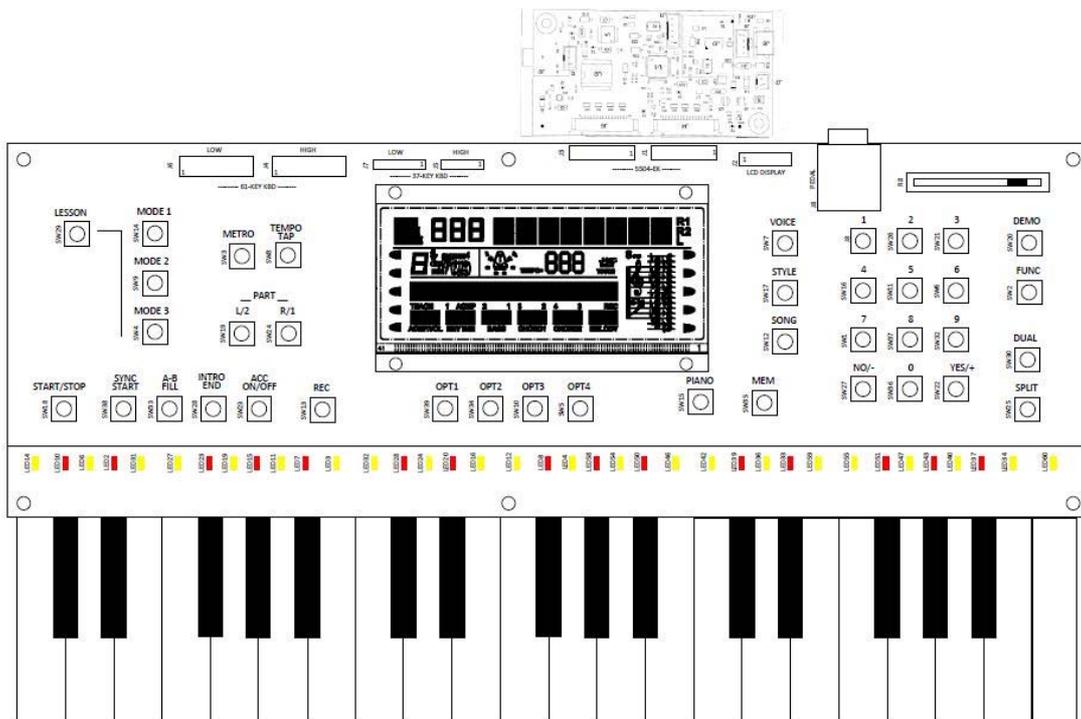
- up to 81-voice high quality Sound Synthesis
- DSP: Reverb, Chorus, Equalizer, 3D Surround
- High quality sounds provided by Dream® (CleanWave-5000 sound package), or developed using the Dream® 5000-SDK Sound development tools (copy protection of custom sound banks supported!)
- flexible 16-track MIDI Sequencer for song playback, Lesson functions and recording
- improved Style-Player with new tools for Style generation and conversion
- USB 2.0 MIDI device (USB Audio Class 1.0 compliant, no custom drivers needed)

### Optional Software Features

- Microphone input with dedicated effects

### 5504-EK Board Features

- on-board memory: 256Mbit QSPI-NOR Flash Memory (512Mbit can be mounted)
- connection to velocity Keyboards (various types), LEDs, Switches, Slider
- stereo Audio OUT, USB To-Host
- Demo Front Panel will be available with Dream® 5504KBD-FP board (available Q1/2016)



This is a firmware application note on SAM5504B firmware. Refer to SAM5504B data sheet for more information on the component.