

## **Songs2See – Learn to Play by Playing**





# Songs2See – Learn to Play by Playing

With Songs2See learning an instrument will be like child play. The software takes the concept of music video games to the next level. It uses real musical instruments instead of video game controllers. Users can choose any song title from their own music collection, use the software to create training material and practice with their own instrument. This motivates and improves both musical knowledge and motor skills – instead of the mere memorizing of key combinations on a video game controller.

## Playful Learning Support

Songs2See detects and displays the played notes in real-time, compares them with the notes of the training material, and gives immediate visual feedback to the user. In this way, motivation remains constant over a longer period of time. With an integrated “Learning Mode” Songs2See allows playful, step by step training of the user’s favorite songs.

## Individualized Training Material

With the Songs2See Editor, any song can be automatically transformed into practice material. Users can put together a personal exercise with their favorite songs within a very short period of time. Thus, learning a musical instrument is easier and more entertaining.

## Any Instrument Can Be Used

Whether guitar, piano, saxophone, vocals or any of the supported instruments – the exercise material can be used with any instrument. There is no need to buy expensive and complicated hardware. A simple computer microphone to capture the user’s performance is the only thing needed.

## Uncomplicated Usage and Care

The Songs2See Game is available as a web-service. This simplifies care and maintenance of the software as well as allowing uncomplicated usage and integration on different websites. The Songs2See Game is available for any operating system and can also be used offline.

# Songs2See – Creating Training Material and Playful Learning

Songs2See consists of the Songs2See Game for practicing with an instrument and the Songs2See Editor for converting music files into training material.



## Songs2See Game

- Adobe® Flash®-based desktop application and web service
- Visualization of the note pitches and lengths to be played
- Dynamic rendering of the music score
- Automatic creation and dynamic rendering of fingerings for instruments such as the guitar, piano, saxophone, recorder, trumpet, bass or vocals
- Real-time recognition of monophonic and polyphonic melodies
- Muting of selected instrumental tracks
- Variation of tempo and note pitch via time-stretching and pitch-shifting (currently in development)
- “Learning Mode” for step by step practicing
- Rating system with high scores for direct user feedback
- Optional display of note names
- Left-hand mode for guitar and bass

## Songs2See Editor

- Application for producing one’s own exercises from any piece of music
- Import of complete songs or song segments from MP3 or WAV files
- Automatic transcription of bass and melody
- Export as practice package for the Songs2See Game
- Export of printable music scores
- Export of background and instrumental audio files
- Import and export of training material as a MIDI file
- Import and export of training material as a MusicXML file

## Availability

### Licensing – Songs2See Technology for Your Software Solution

Songs2See is available as a platform-independent C++ or AS3 library and can easily be integrated. Please contact us for your individual offer and licensing model.

### Private Use – Practice with Songs2See at Home

Produce your own exercise material and improve your skills playfully. Songs2See is commercially available for home users at [www.songquito.com](http://www.songquito.com).

### Free Demo Version

Further information and a free online demo version can be found at [www.idmt.fraunhofer.de/en/songs2see](http://www.idmt.fraunhofer.de/en/songs2see).

#### Fraunhofer Institute for Digital Media Technology IDMT

Ehrenbergstr. 31  
98693 Ilmenau  
Germany

Contact Person

Christian Dittmar  
Phone +49 3677 467-206  
[christian.dittmar@idmt.fraunhofer.de](mailto:christian.dittmar@idmt.fraunhofer.de)

[www.idmt.fraunhofer.de](http://www.idmt.fraunhofer.de)

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