

Quick manual

Magic Xylophone

What is the Magic Xylophone?

The Magic Xylophone is an electronic musical instrument specially developed for people with profound multiple disabilities.

The instrument enables users to make music in a simple and accessible way.

Through its connection with the EyePlayChords programme by the

MyBreathMyMusic Foundation, users can independently influence the music in a way that matches their individual abilities.

Who is it for?

The Magic Xylophone is intended for people who, due to physical or cognitive limitations, are unable to play a musical instrument in the traditional way.

Thanks to the different control options, the instrument can be adapted to the needs and abilities of each individual user.

Control options

The Magic Xylophone can be operated in several ways:

- Switches, one or more
- Computer mouse
- Head tracker
- Eye control, using an eye sensor
- Keyboard
- Grid Pad, if available

This allows people with very limited motor abilities to actively participate in musical activities.

How does it work?

1. The Magic Xylophone is connected to a computer running with EyePlayChords.
 2. A suitable control method is selected.
 3. The user activates the tones using the chosen control method.
 4. The music is played immediately on the Magic Xylophone.
- This makes the relationship between action and result directly visible.

How to connect to a computer and setup EyePlayChords

"First, connect the Magic Xylophone to the mains using the power supply provided.

Press the button on the back to turn it on. (it makes a selftest and plays short every note on the Magic Xylophone).

Connect the included USB cable, and plug it into an available port on your computer. Only **now** should you start the EyePlayChords program."

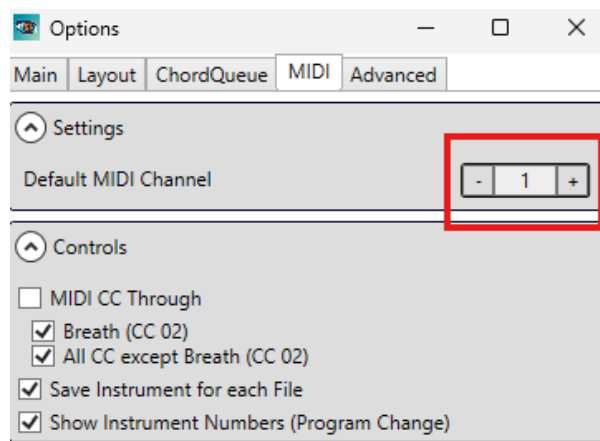
Select the names in the red boxes just like in the picture below.

RE_Magic-Xylophone

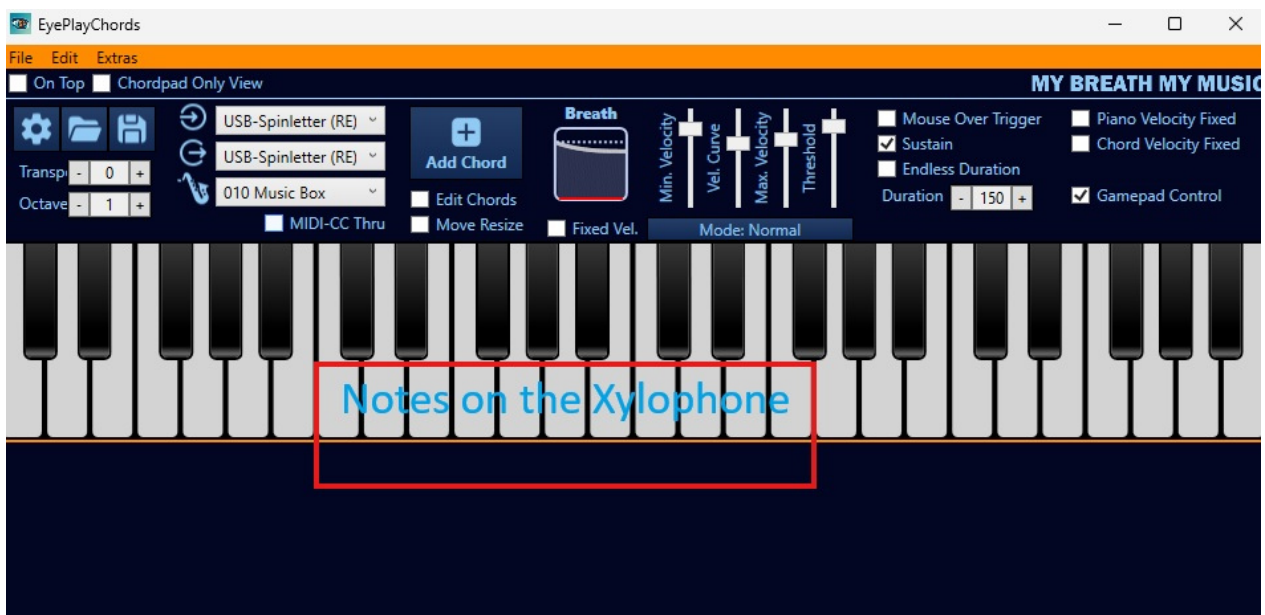
Octave =1



Select in de options menu as Midi channel Default = 1



Now you can test it, to play with your mouse same notes and the xylophone plays the notes.



Background

In an internal presentation by Robert D'Arcangelo, the Magic Xylophone is mentioned as one of the innovative

products developed by Roberts Engineering. The presentation indicates that the instrument offers enjoyable

musical play and can be operated using a Grid Pad.

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