Welcome to my User Page

I searched long for a system I can build upon my musical and artistic artwork - and I am thankful that Thorsten opened this wonderful project and community to us ;)

My real name is Michael Markert and I live in Nuremberg, Germany. I studied Communications-Design focused on Multimedia and am currently doing a postgraduated diploma at the College of Fine Arts in Nuremberg (Public Arts, Intermedia). The focus of my work and research is the development of intuitive interactive interfaces for harmonized sensoric music.

Visit my Blog audiocommander.de and my Band zeichensprecher.de.

I will use this page to document what I've done with MIOS and MBHP so far:

Projects

Complete Projects

Complete projects, with Hardware Interfaces, custom developed applications and full documentation:

ACSensorizer Stage

ACSensorizer sensorizes 4 sensors and interpolates its AIN-readings.
The main target of this application are sensoric devices delivering not exactly 0 - 5 V, like pressure-, distance-, resistor-based sensors or softPots.

- Uses 8 Encoders, 4 Buttons, 1 Switch, 40×2 LCD

ACSensorizer Basic

ACSensorizer rewritten for up to 8 sensors.

- Improved HUI
- uses only 4 Encoders and 4 Buttons, one 20×2 LCD

ACSyncronizer

In development.
See Quantize Box for further ongoing informations

ACHarmonizer

To be announced...

Speakjet Application Interface

In development.
I'm writing an application interface that can receive MIDI-signals to fully controll the SpeakJet.
I also documented some other stuff:

- Breadboard Construction Tutorial
- SpeakJet Control Overview
- SpeakJet Definition List |

Dev Tools

ACSim

Simulator and Debugger for Developing C Apps

Misc Projects

..by using the above described MIOS-based Boxes or slightly altered versions:

Kontaktstation 2.0

Body-Contact-Music: You need to use the arm-wrists or touch a terminal with your hand. Two persons are needed minimum. If these persons touch each other, their skin-contact will be translated to music.
Image-Gallery

Wiki-Sources

I've done some documentation stuff, here are the sources, if they ever need to be edited:



http://www.audiocommander.de/downloads/midibox/MIOS_Overview.ai.tgz

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Last update: **2006/11/06 12:07**