arendi

GrooveBox

MIDI Technology

MIDI is a very common and widely used technology in DECT and VOIP phone applications. With MIDI it is possible to realize good ringtones and sounds with only minimal system and memory requirements.

SiTel Telephone Platform

The SiTel platform offers a high integration of all relevant functionalities needed for DECT and VoIP applications. It also includes a comprehensive collection of MIDI instruments available for the Software Engineer or the ringtone designer.

Acoustic used in Telephones

In DECT phones mechanical constraints are always the limiting factor of the acoustic performance. The reduced mechanical outlines of speakers and housings are very challenging for the engineering team. Therefore it is very important to have an optimized tool to support this specific application setup.

Arendi GrooveBox USB-Audio Device

With the Arendi GrooveBox it is possible to connect a DECT or VoIP device to a PC as USB Audio or USB MIDI Device. To do so you will get a dedicated firmware for the SiTel chipset family SC14450/SC14480 and a SiTel based DECT handset used as starter audio device.

Benefits for the ringtone designer

The Arendi GrooveBox makes it possible that the engineer or ringtone designer can verify their compositions directly on the target device. You only have to connect the Arendi GrooveBox with a USB Interface of your Windows or MAC PC. The operating system will then detect the GrooveBox as new hardware and will install a new USB MIDI driver and a standard USB audio driver. The ringtone designer doesn't have to change to a new midi composing software. He can use his preferred MIDI composer tool, where he only switches to the new installed midi device for output and from then on all MIDI melodies are played directly on the target hardware. This is a convenient setup to adjust any melody to meet the specific characteristics of the target device.

GrooveBox Firmware

It is also possible to integrate a firmware image or even the source code of the Arendi GrooveBox on your own SiTel Device. Arendi would be happy to support your integration.

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