

**UC1** *Mixing and mastering requires a point of reference.  
A modern workflow demands for a tailored setup.  
UC1: the swiss army knife of **high quality monitoring**.*



*driven to improve*

The “Universal Converter” UC1 solves all your monitoring needs. It has outputs for analog and digital destinations and offers analog and digital loops with LS1 quality converters.

**Grimm** | **AUDIO**

There are many USB audio interfaces on the market but few of them are designed with both the sound quality and the specific use case in mind. The Grimm Audio UC1 is a mid price USB interface and monitor controller that has a different approach. It is an ideal match with the Grimm Audio LS1 or PMC monitoring systems, and works great with other active loudspeakers too. Present day use cases have been the premier focus from the first UC1 sketches onwards. This led to an unusual design with remarkable flexibility.

When mixing and mastering, not all inputs and outputs are equal. The UC1 offers 18 channels of USB I/O of which some are dedicated to monitoring and others to re-recording. Remarkable are the hardwired analog and digital inputs for smartphones and tablets. With the second USB 'i-put' on the front there is no sample rate and word length restriction when using your iPad or iPhone, like with Airplay. The i-put also serves as a convenient stereo USB input for laptops.

To obtain the best sound quality, we selected similar AD and DA circuitry like in the LS1. Substandard low power converters and buffer stages were avoided. For slave mode use we added a novel hybrid PLL to our Grimm clock that combines a fast lock with a succeeding increase in jitter suppression.

## Features

### USB:

- Back USB 10 channel input / 8 channel output
- Front USB stereo 'i-put' for laptops, tablets and smartphones.

### Outputs:

- Grimm LS1 / PMC monitor output (or second AES output with adapter cable)
- Digital AES output (for digital loop)
- Analog stereo output XLR (for analog loop)
- Analog monitor stereo output XLR
- Analog second speaker stereo output XLR
- Headphone 6.3 mm stereo jack front output parallel to second speaker out. Max 15 dBu in 600 Ohm (30 mW)
- BNC word clock 75 Ohm / 5 V

### Inputs:

- Two digital AES inputs (one for digital loop)
- Analog stereo input XLR (for analog loop)
- 6.3 mm stereo jack front input for Personal Media Player or instrument (hi-Z)
- BNC word clock 75 Ohm / 5 V

### General:

- Mono / Side / Channel Swap monitoring
- Foldback for latency free monitoring
- Adjustable polarity of headphones
- Ultra low jitter <0.6 ps RMS (> 10 Hz)
- Hybrid PLL: fast lock, high jitter suppression
- All standard PCM sample rates supported
- Handsome Padauk wood front
- 5 year limited warranty

### Analogue output specifications:

- Peak level: +18 dBu
- THD+N: -100 dB A-weighted
- SNR: 114 dB A-weighted
- Output impedance: <25 Ohm below 20 kHz

### Analogue input specifications:

- Clip level: +18 dBu. The inputs can be set to +24 dBu clip level to cater for a cranked up analog loop.
- THD+N: -105 dB A-weighted
- SNR: 115 dB A-weighted
- Input impedance: 20 kOhm below 20 kHz

