



I/O Connectivity

- 26 Input / 26 Output channels
- 3 x ADAT I/O (at 96 kHz via S/MUX)
- 1 x SPDIF I/O (96 kHz)
- 1 x Stereo Analog Output (separate for submix/phones)
- 2 x MIDI I/O
- Word Clock I/O

Despite its compact 9.5" enclosure, the Digiface is equipped with a wealth of digital ports. Used either in the studio or for mobile applications, the 3 optical ADAT I/Os, SPDIF I/O and Word Clock I/O, make the Digiface an ideal breakout box for digital audio. The 2 high-speed MIDI I/Os can handle 32 MIDI-channels on top of all audio facilities. Possible applications include hard-disk recording via AD-converters (RME ADI series) and ADAT-equipped mixers, or simultaneous transfer of 24 ADAT-channels into a computer.

All inputs and outputs are operational at the same time. The incorporated digital real-time mixer TotalMix™ offers unlimited mixing and routing for all I/Os – from multiple independent submixes to real-time integration of external effects. Additionally, the high-quality 24 bit/96 kHz analog line/headphone output lets you directly monitor your mix.

The Digiface connects to a computer either via RME's HDSP PCI and CardBus (PCI), or HDSPe PCI and ExpressCard (PCI Express), which are sold separately. Using PCI-interfacing technology, the Digiface uses lowest CPU load and guarantees super-low latency.

When working with several digital sources, it is vital to not only keep them properly locked, but also perfectly synchronized. RME's exclusive SyncCheck® monitors all input signals and displays their actual state, while ICC™ (IntelligentClockControl) keeps control of all clocks and sync-states. A display of the time code at the ADAT Sync input (D-sub) offers a quick check of the communication between the external device and the Hammerfall

The unit's performance and the dependability of its drivers provide the same reliability for both mobile and studio use. Being part of the HDSP system series, the Digiface comes with drivers for Windows 2000/XP/Vista (multi-client operation of WDM, GSIF and ASIO) and Mac OS X (Core Audio, Core MIDI).

Specifications

- Inputs: 3 x optical (TOSLINK), 1 x coaxial (RCA), 2 x MIDI, word clock (BNC)
- Digital input format: SPDIF, AES/EBU (Consumer, Professional), ADAT optical
- Outputs: 3 x optical (TOSLINK), coaxial (RCA), 2 x MIDI, stereo analog line (1/4" TRS), word clock (BNC)
- Format output SPDIF: AES/EBU (Consumer/Professional), ADAT optical
- Supported sample rates: 32, 44.1, 48, 88.2, 96 kHz, variable
- 8 buffer sizes/latencies available: 0.75, 1.5, 3, 6, 12, 23, 46, 93 ms
- All settings changeable in real-time
- Clock modes: slave and master
- Automatic and intelligent master/slave clock control
- Enhanced Mixed mode: All inputs and outputs simultaneously operational
- Unsurpassed Bitclock PLL (audio synchronization) in ADAT mode
- Enhanced Zero Latency Monitoring for latency-free submixes and perfect ASIO Direct Monitoring
- Comes with DIGICheck, RME's ultimate measurement, analysis and test tool

Optional Add-Ons

- HDSP TCO (only with HDSPe PCI Card): Timecode Option Module with enhanced sync capabilities. 1 x word clock I/O, 1 x video sync input (switchable from WC in), 1 x LTC I/O



Digiface