

REIMYO DAP-777

About €5,100

Dimensions: 43 x 7 x 34 (WxHxD)

Warranty: 1 year

Distributor: Warren Quality Systems

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“Reimyo“ is the Japanese word for miracle and the DAP-777 is truly a miracle in sound. This purist DAC dispels with technology features and high sampling rates. Instead it uses a healthy dose of audiophile good judgment in putting a super-clean concept into action, which expresses itself in exquisite sound quality.

LABORATORY

Inside the DAP-777 you'll find the concentrated expertise of Harmonix chief Kazuo Kiuchi. Some of it you'll see, others you won't. Here it appears to have its own unique filtering approach, since the square wave seems somewhat irregular like in those impulse-optimized variants, however without displaying their typical drop in height. Otherwise nothing conspicuous arose, assuming you can overlook the conspicuously first-class performance figures that it posted: Superbly high signal-to-noise ratios consort with remarkably low distortion values. The Reimyo is “louder“ than many of its kindred converters, which is an attribute that is neither positive nor negative. The output resistance of 146 Ohms is indicative of a potent output stage that also allows you to run longer cables to the amplifier.

EQUIPMENT

There is not much out of the ordinary to report here: It also has a 75 ohm BNC connector along with the standard digital inputs. We would like to have seen the switch for the phase inverter on the front panel. Features take the form of high-quality feet, network filters and a first-class Harmonix cord, which is so critical to performance and is guaranteed to bring out more than would some technologically beguiling digital gimmick.

STEREO TEST

SOUND RATING

93%

COST/BENEFITS

★★★★☆

EXCELLENT

EQUIPMENT

| Model | Aqvox USB DA2 II | Lavry DA 10 | Reimyo DAP-777 |
|---|-----------------------------|-----------------------------|-----------------------------|
| Digital inputs | XLR, Cinch, optical, USB | XLR, Cinch, optical | XLR, Cinch, optical, BNC |
| Analog outputs | Cinch, XLR | XLR | Cinch, XLR |
| Adjustable output | - | ● | - |
| Headphone output (adjustable) | ● (●) | ● (●) | - |
| Sampling frequencies (w/o USB) in kilohertz | 32/44.1/48/ 96/192 | 30 to 96 | 32/44.1/48 |
| Upsampling (switchable) | ● (●) | - | - |
| Programmable dither | ● | - | - |
| Phase inverter switch | ● | ● | ● |
| Selectable filter mode | ● | - | - |
| Sampling frequency display | ● | ● | ● |
| Interchangeable power cord | ● | ● | ● |
| Metal front panel | ● | ● | ● |
| Casing color | silver/black | black | silver |
| Other | Microphone mixer | Digital level indication | Quality power cord |

LAB REPORT

| Model | | Aqvox USB DA2 II | Lavry DA 10 | Reimyo DAP-777 | Min/Max |
|---|-----------|---------------------|----------------|-------------------|---------|
| Max level deviation w/o emphasis | Decibels | -0.1/-0.6 | -0.1/-0.5 | -0.1/-0.3 | 0.2/1 |
| Max level deviation with emphasis | Decibels | -0.1/-0.3 | -0.1/-0.2 | -0.1/0.4 | 0.2/1 |
| Square wave response / impulse response | Good/Poor | Good/Good | Good/Good | Poor/Good | |
| Distortion factor (400 Hz/-60 dB) | % | 0.07 (0.25)* | 0.19 | 0.37 | 0.5/5 |
| Aliasing distortion (-30 dB) | % | 0.011 | 0.012 | 0.013 | 0.03/1 |
| Converter linearity (variance up to -90 dB) | Decibels | 0.1 | 0.06 | 1 | 0.5/5 |
| Signal-to-noise ratio (digital zero) | Decibels | 103 | 110 | 114 | 88/106 |
| Quantization signal-to-noise ratio (400 Hz/0 dB) | Decibels | 94 (95)* | 95 | 97 | 77/95 |
| Output voltage at 0 dB | Volts | 2.03 | 1.9 (Vol. 96) | 2.67 | |
| Channel variance | Decibels | 0.1 | less than 0.1 | less than 0.1 | 0.2/0 |
| Output voltage at 1 kHz | kOhm | 0.12 | 0.075 | 0.146 | 3.2/0.2 |
| Output resistance variable output -6 dB | kOhm | 0/-/9 | 0.075 | - | |
| Power consumption (power off/standby/no-load) | Watts | | 0/-/9 | 0/-/13 | |
| <p>* The value in brackets was determined with upsampling activated at 192 kHz. All the other data for the Aqvox were determined in "Bypass", dither "Off", filter "Flat" and oversampling "32 FS". The Min/Max column shows the range between measured values that are <i>just barely acceptable</i> and <i>very good</i>.</p> | | | | | |