

# DAC Revisited Workshop Powerplay Studios November 2023

|    | A                 | B                                     | C                     | D          | E                    | F                    | G                  | H               | I               | J   |
|----|-------------------|---------------------------------------|-----------------------|------------|----------------------|----------------------|--------------------|-----------------|-----------------|---|
| 1  | <b>Device No.</b> | <b>Professional Converter</b>         | Delta-Sigma OverS.    | DAC + ADC  | DAC Chip             | DAC Chip count       | Output             | 10 MHz In       | Wordclock In    | Comment   |
| 2  | 1                 | Burl B2 DAC                           | D/S OS                | 4 Out      | Burr-Brown (TI)      | 1                    | OPamp, BEPA1, 8?   | no              | yes             | Popular in many studios worldwide                 |
| 3  | 2                 | Crane Song Solaris Quantum            | D/S OS                | 4 Out      | AKM 4490             | 1                    | Discrete Circuit   | no              | yes             | hard to get at                                    |
| 4  | 3                 | Lynx HiLo                             | D/S OS                | 2 In 4 Out | ESS Sabre            | 1                    | Discrete Circuit   | no              | yes             | Popular among Mastering Engs., Headphone out      |
| 5  | 4                 | Antelope Audio Pure 2                 | D/S OS                | 2 In 4 Out | ESS Sabre            | 1                    | Discrete Circuit   | yes             | yes             | Headphone out, separate Monitor out               |
| 6  | 5                 | Dangerous Music Convert-2             | D/S OS                | 2 Out      | ESS Sabre            | 1                    | OPamp              | no              | yes             |   |
| 7  | 6                 | Behringer DCX2496 Ultra Drive Pro     | D/S OS                | 6 Out      | AKM                  | 1                    | OPamp              | no              | no              | Presets, includes 3-way Stereo X-Over & 6 Limiter |
| 8  | 7                 | Urei 2541                             | D/S OS                | 2 Out      | AKM                  | 1                    | OPamp              | no              | yes             | Pre-Solaris Dave Hill design                      |
| 9  |                   | <b>HIFI Converter</b>                 | R-Ladder, NON OS      |            |                      |                      |                    |                 |                 |   |
| 10 | 1                 | Ferrum Wandla                         | D/S OS                | 4 Out      | ESS Sabre ES9038 PRO |                      | Discrete Circuit   | no              | no              | Serious Phones Out                                |
| 11 | 2                 | dCS Rossini APEX                      | R2R NOS/OS            | 4 Out      |                      | 1                    | Discrete Circuit   | no              | yes             | High end publishers., famous testers, say - BEST  |
| 12 | 3                 | Rockna Wavedream Signature 12k        | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              | reviewers fly high                                |
| 13 | 4                 | LessLoss Echo's End Reference Supreme | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              | Soekris DAC, highly modified & tuned              |
| 14 | 5                 | Border Patrol                         | R2R NOS               | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              | Hardcore Puristic! Said to sound very natural     |
| 15 | 6                 | Denafrips Terminator Plus             | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              |   |
| 16 | 7                 | Gustard R26                           | R2R NOS/OS            | 4 Out      |                      | 1                    | Discrete Dual Mono | yes             | no              |   |
| 17 | 8                 | Musician Aquarius                     | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              |   |
| 18 | 9                 | Sonet Morpheus                        | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              |   |
| 19 | 10                | Holo Audio May                        | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              |   |
| 20 | 11                | Shiit Yggdrasil                       | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              |   |
| 21 | 12                | Chord Dave                            | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              |   |
| 22 | 13                | Auralic Vega                          | R2R NOS/OS            | 2 Out      |                      | 1                    | Discrete Circuit   | no              | no              |   |
| 23 | 14                | T+A DAC 8                             | D/S OS                | 2 Out      | Burr Brown (TI)      | 8                    | Discrete Circuit   | no              | no              |   |
| 24 | 15                | Moon 280D                             | D/S OS                | 2 Out      | ESS Sabre ES9018K2M  | 4                    | Discrete Circuit   | no              | no              |   |
| 25 | <b>Device No.</b> | <b>Professional Converter</b>         | USB In                | Price ca.  | Year Launched        | Special Feature      | f Max (AES)        | PSU Type        | Filter Variants | Present   |
| 26 | 1                 | Burl B2 DAC                           | no                    | 2.5k       | Apr 11               | Dante In (AES67)     | 192 k              | switching       | 0               | yes   |
| 27 | 2                 | Crane Song Solaris Quantum            | no                    | 2.5k       | 2020                 | Ex. Jitter-tollerant | 192 k              | switching       | 0               | unsure  |
| 28 | 3                 | Lynx HiLo                             | yes                   | 3.4k       | Nov 12               | famous Standard      | 384k               | sw. & ext. 12V  | 0               | yes   |
| 29 | 4                 | Antelope Audio Pure 2                 | yes                   | 3.5k       | 2021                 | Inventor's child     | 192k               | switching       | 0               | yes   |
| 30 | 5                 | Dangerous Music Convert-2             | no                    | 3k         | 2020                 |                      | 192k               | switching       | 0               | no  |
| 31 | 6                 | Behringer DCX2496 Ultra Drive Pro     | no                    | 0.4k       | 2005                 | Remote Console       | 96k                | switching       | 0               | yes   |
| 32 | 7                 | Urei 2541                             | no                    | 2.5k       | 2010                 | Dave Hill Design     | 192k               | switching       | 0               | no  |
| 33 |                   | <b>HIFI Converter</b>                 |                       |            |                      |                      |                    |                 |                 |   |
| 34 | 1                 | Ferrum Wandla                         | yes                   | 2.5k       | 2022                 | great reviews        | 384k               | external        |                 | no  |
| 35 | 2                 | dCS Rossini APEX                      | yes                   | 42k        | 2022                 | said to be King      | 192k               | linear          | 6 x 4           | no  |
| 36 | 3                 | Rockna Wavedream Signature 12k        | yes                   | 14k        | 2021                 | said to be Prince    | 768k               | linear          | 0               | no  |
| 37 | 4                 | LessLoss Echo's End Reference Supreme | yes                   | 32k        | 2023                 | Panzerholz case      | 192k               | 2 linear        | 0               | no  |
| 38 | 5                 | Border Patrol                         | yes, no also possible | 1.5k       | 2015                 | RCA out only         | 96k                | Tube rectifier! | 0               | no  |
| 39 | 6                 | Denafrips Terminator Plus             | no                    | 5.4k       | 2023                 | very good press      | 384k               | linear          | 0               | no  |
| 40 | 7                 | Gustard R26                           | yes                   | 1.9k       | 2023                 | UPnP & RAAT          | 192k               | 2 linear        | 3 & OFF         | yes   |
| 41 | 8                 | Musician Aquarius                     | yes                   | 3k         | 2022                 |                      | 192k               | linear          | 0               | no  |
| 42 | 9                 | Sonet Morpheus                        | no                    | 3.4k       | 2021                 |                      | 192k               | linear          | 0               | no  |
| 43 | 10                | Holo Audio May                        | yes                   | 4.8k       | 2020                 |                      | 384k               | linear          | 0               | no  |
| 44 | 11                | Shiit Yggdrasil                       | yes                   | 2.5k       | 2017                 |                      | 192k               | switching       | 0               | no  |
| 45 | 12                | Chord Dave                            | yes                   | 10.6k      | 2018                 |                      | 192k               | linear          | 0               | no  |
| 46 | 13                | Auralic Vega G2.1                     | yes                   | 8k         | 2021                 |                      | 384k               | switching       | 0               | no  |
| 47 | 14                | T+A DAC 8                             | yes                   | 3k         | 2010                 |                      | 384k               | linear          | 2 x 2           | yes   |
| 48 | 15                | Moon 280D                             | yes                   | 3.7k       | 2021                 | UPnP & RAAT          | 384k               | linear          | 0               | yes   |