

| <b>class D technology for home use</b>    |                             |  |  |
|---|-----------------------------|--|--|
| <b>class D by<br/>in alphabetic order</b> | <b>suitable<br/>for DIY</b> | <b>technology / keywords</b>   | <b>used by / website</b>   |
| Abletec                                   | yes                         | Anaview patent, self-oscillating amp   | www.abletec.com, www.anaview.com   |
| Anagram                                   | n/a                         | Anagram SoftAmp  | Lattice Semiconductor  |
| Apogee                                    | no                          | DDX patent, Apogee sold its patent.<br>STMicroelectronics  | www.stewartaudio.com<br>www.st.com<br>used by Harman Kardon and TEAC   |
| AudioPower                                | yes                         | Italian made class D solution  | www.audiopower.it  |
| Audio Research                            | no                          | DSi200 class d amplifier [2010]  | Audio Research website   |
| B&O                                       | no                          | IcePower,<br>B&O does only sell to manufacturers,<br>though Ebay is the place to be at times to<br>buy your module.  | Rotel, Bel Canto, Canton, Cary Audio, Adam<br>Audio, KEF, B&W, Jeff Rowland, Murano,<br>Salagar, Acoustic Reality, HeadRoom, NHT,<br>Wyred4Sound, Seymour, Pioneer, REL, ELAC,<br>hFx, Pro Audio Technology, Sonance, Martin<br>Logan, Xindak, Audiomatus, and more. |
| BK Electronics                            | n/a                         | 600W PWM amp module with integrated<br>PSU   | www.bkelec.com   |
| BOYOHO                                    | n/a                         | class d module MY1 & MY2 by C-Mark   | c-mark.en.alibaba.com  |
| CADaudio                                  | yes                         | several different class D solutions  | www.cadaudio.dk  |
| Devialet                                  | no                          | French made high-tech class D  | www.devialet.com   |
| Eco Tec Systems                           | n/a                         | 300W PWM   | www.amplifier.co.uk  |
| Eddie Wang                                | no                          | Linacs MKII 100W +100W PWM amp   | eddie.dyec.com   |
| Edis                                      |                             | EA-35 class room in-wall amplifier   | www.edisav.com   |
| Esoteric                                  | no                          | AI-10 class-D amp uses Ti ICs and IR<br>Fets   | Esoteric /TEAC, AZ1  |
| Extron                                    | no                          | Extron Patented CDRS™ - Class D<br>Ripple Suppression  | Extron   |
| Flying Mole                               | no                          | Bi-Phase PWM from Japan  | www.flyingmole.co.jp/new_en/   |
| HTM Audio UK                              | yes                         | Maxim Spread-Spectrum Class D<br>technology, HTM50S<br>Tripath based stereo amplifier (800W)                         | HTM Audio UK   |
| Heliox                                    | n/a                         | UcD technology   | www.heliox.nl  |
| Hephaestus Audio                          | no                          | class d solution by Hephaestus Audio   | hephaestusaudio.com  |
| HLLy                                      | no                          | D-3 & D-5 SPDIF input class D amp  | HLLy audio   |
| Huygens                                   | no                          | MHz Class-D , Huygens MCD 1202   | Eden Audio, Spain  |
| Hypex                                     | yes                         | UcD self-oscillating class d   | www.hypex.nl<br>Meridian, Bryston, HfX, PMC DS-001, Chevron<br>Audio, MM Audio, Genenis GR180, CIAudio,<br>Strathurst, and more.   |
| Intersil                                  | n/a                         | D2Audio  | Intersil website   |
| IR  | yes                         | IRS2092, IRS20955/7  | www.classdaudio.com<br>connexelectronic.com  |
| LinFinity                                 | n/a                         | LX1720 class D controller  | MicroSemi.com  |
| Lyngdorf                                  | no                          | former name is TACT / Equibit  | www.lyngdorf.com   |
| Lyrus                                     | no                          | patent-pending, used by Halcro   | www.halcro.com   |
| Marten                                    | no                          | Anaview patent   | Marten (Sweden)  |
| Maxim                                     | n/a                         | Spread-Spectrum Class D technology   | Maxim, HTM Audio UK  |
| NeoFidelity Inc.                          | n/a                         | 25W I2S input class d solution   | n/a  |
| NewClassD                                 | yes                         | NewClassD NCDX from Danmark  | www.newclassd.com  |
| Mueta                                     | n/a                         | The MUETA® solution was developed<br>and patented by the Eindhoven<br>University of Technology (The<br>Netherlands). | www.mueta.com/mueta.htm  |
| NuForce                                   | no                          | NuForce™ Analog Switching Amplifier<br>technology  | www.nuforce.com  |
| Onkyo                                     | no                          | Vector Linear (VL) Digital Technology<br>as used in Onkyo A-9555   | www.intl.onkyo.com   |
| Philips                                   | yes                         | TDA892x / TDA8950 family   | connexelectronic.com   |

|                     |     |   |  |
|---------------------|-----|---|--|
|                     |     |   | Ebay kits  |
| PowerPhysics        | no  | patented One-Cycle Sound™ pulse width generation circuit, also used by NHT  | www.powerphysics.com   |
| Pragmatic           | yes | do check out the TAA June 2009 issue  | Pragmatic USA www.wireless-experts.com   |
| Primare             | no  | Ultra Fast Power Device (UFPD) Class-D Amplifier by Primare, i32 amplifier  | www.primare.net  |
| PSaudio             | no  | HCA-2 digital amplifier [2002]  | PSaudio  |
| Qingchi Technology  | yes | 2x 100W class D using DSP   | www.qingchi.com  |
| Ramsey              | yes | 20W UMA2 TPA3001D [Ti based amp], 40W UMA4 [Maxim based amp]  | www.ramseyelectronics.com  |
| Rebix               | n/a | Dutch made class D amp  | www.class-d-amplifier.nl   |
| RedRocks            | yes | self-oscillating design   | RedRocks Spain   |
| Resolute Audio      | yes | RA-2500, this IC is direct replacement for Tripath's TDA2500  | Profusion UK   |
| Savant Systems      | no  | 8 / 16 channel class D solution   | Savantav.com   |
| Scythe              | no  | 2 amps using Yamaha YDA138 technology   | Scythe, the PC cooling specialist  |
| Silabs Silicon Labs | n/a | Si8410/Si8241/Si8244 isolated Class D gate driver   | www.silabs.com   |
| Spectron            | no  | John Ulrick of Spectron, introduced the first commercially available class D amplifier into the audio world in 1974 | www.spectronaudio.com  |
| STMicroelectronics  | yes | TDA7492, TDA7498  | www.st.com<br>Ebay Sure-Electronics (or www.sure-hifi.com)   |
| T&A                 | no  | E-serie power plant MKII amp  | www.taelektroakustik.de  |
| Tentlabs            | no  | Hybrid UcD class D amplifier  | www.tentlabs.com   |
| Ti                  | yes | PurePath, based on TACT / Equibit patent  | www.classdaudio.com<br>Sure-Electronics Ebay (or www.sure-hifi.com),<br>Lyngdorf, Kenwood, Panasonic, Sherwood   |
| Tripath             | yes | IC manufacturer, out-of-business, very popular among DIY hobbyists  | www.41hz.com, www.hifimedi.com,<br>www.autocostruire.com, www.audiophonics.fr,<br>connexelectronic.com, www.parts-express.com,<br>www.diyaparadise.com<br>www.audiophonics.fr<br>www.elv.de [T30 using TA1011 chip]<br>Ebay Sure-Electronics (or www.sure-hifi.com),<br>Dayton, Hilly, Sonic Impact, Audio Research<br>150M, www.ebay.com and do search for Tripath,<br>and many more. |
| Yamaha              | no  | YDA133, YDA134, YDA138, MX-D1 digital power amplifier   | n/a  |
| Zetex               | n/a | Zetex technology  | NAD, THETA,<br>www.htm-audio.co.uk (available for DIY)   |

Notice: the author does not claim that this overview is complete, nor does the author claim that all details are correct.