



## 2-channel High-Res amplifier with integrated active crossover and digital signal input

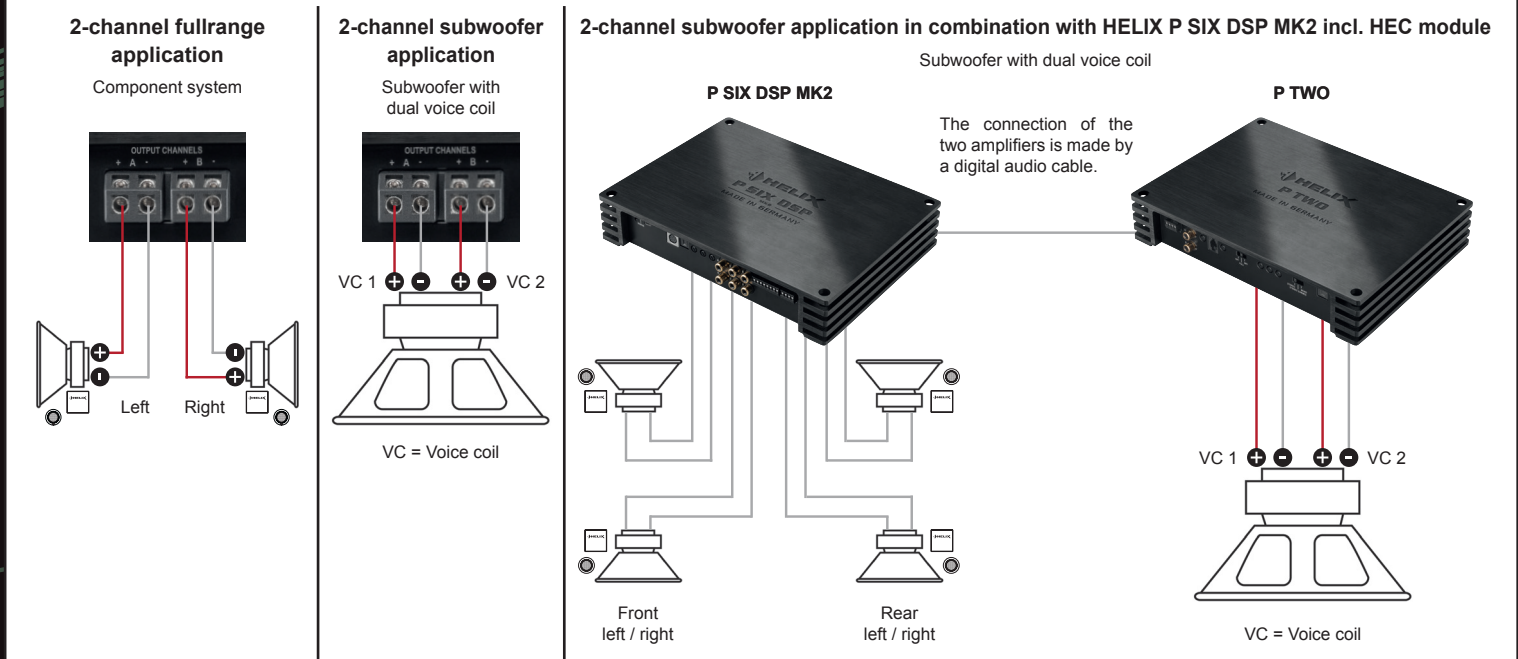
### Features

- “Ultra HD Class D” concept which combines the high-end sound quality of Class AB technology with the benefits of Class D amplifiers
- Two speaker outputs with 490 Watts RMS each at 2 Ohms
- Digital, optical signal input in SPDIF format including SPDIF Direct In switch for routing the digital input signal directly to the power stage
- BurrBrown DA signal converter of the latest generation with a resolution of 32 Bit
- Integrated, active crossover with highpass, lowpass, bandpass and configurable bass boost
- Smart highlevel input with ADEP circuit (Advanced Diagnostics Error Protection)
- Cable remote control for volume adjustment
- Compact design with low heat dissipation thanks to extraordinary efficiency
- Predestinated to drive all subwoofers with 2 x 2 Ohms dual voice coil like the new HELIX Q subwoofers

## Major selling points

- High Resolution Audio signal processing
- Digital, optical signal input with 32 Bit DA converter of the latest generation for highest signal resolution and dynamic range
- High output stability
- Compact dimensions for fastest and easiest integration

## Configuration Examples



## Technical Data

|                                    |  |                             |   |
|------------------------------------|--|-----------------------------|---|
| Output power RMS / max.            |  | Slope high- / lowpass       | Butterworth 12 dB/Oct.  |
| - @ 4 Ohms                         | 2 x 280 / 560 Watts (≤ 1% THD+N)   | Distortion (THD)            | < 0.005 %   |
| - @ 2 Ohms                         | 2 x 490 / 980 Watts (≤ 1% THD+N)   | Signal-to-noise ratio       | 105 dB (A-weighted)   |
| Amplifier technology               | Ultra HD Class D   | Input sensitivity           | Highlevel 5 - 20 Volts<br>RCA / Cinch 2 - 8 Volts   |
| Inputs                             | 2 x RCA / Cinch<br>2 x Highlevel speaker input<br>1 x Optical SPDIF (28 - 96 kHz)<br>1 x Remote In<br>1 x Remote control input | Damping factor              | > 200   |
| Outputs                            | 2 x Speaker output   | Input impedance RCA / Cinch | 10 kOhms  |
| Signal converter for optical input | BurrBrown 32 Bit DA converter  | Input impedance highlevel   | 13 Ohms   |
| Frequency response                 | 10 Hz - 40,000 Hz  | Operating voltage           | 10.5 - 16 Volts (max. 5 sec. down to 6 Volts)   |
| Bass boost                         | 0 - 9 dB / 40 Hz - 120 Hz  | Fuse                        | 3 x 30 A Maxi-fuse (APX)  |
| Highpass                           | 15 Hz - 4,000 Hz adjustable  | Abmessungen (H x B x T)     | 50 x 260 x 190 mm /<br>1.97 x 10.24 x 7.48"   |
| Lowpass                            | 15 Hz - 4,000 Hz adjustable  | Zusätzliche Features        | ADEP circuit, remote control for volume adjustment, Auto Remote switch, Input Mode switch, SPDIF Direct In switch |
| Bandpass                           | 15 Hz - 4,000 Hz adjustable  |                             |   |

