



PHOENIX GOLD

ZD
series

INTEGRATION



ZDSP8

Digital Signal Processor



**Software
Download**

Features

- **Bluetooth V5.0 Built-in**
- **Burr Brown DAC**
- **Input Priority**
- **OIS - OEM Impedance Simulation**
- **12V Preset Switch Trigger**
- **5V RCA Outputs**



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HARDWARE SPECIFICATIONS

Type:	DSP (Digital Signal Processor)
DSP Channels:	8
Frequency Response (-3dB):	10Hz - 22kHz
RCA Voltage Output:	5V
DAC:	Burr Brown
DSP Resolution:	24 Bit
Sampling Rate:	48kHz
SNR (Signal to Noise Ratio):	-100dB
THD:	<0.1%
High-Level Input:	Yes
Auto Turn-On:	Yes
Input Sensitivity (High-Level):	0.2V - 20V
Input Sensitivity (Low-Level):	0.2V - 20V
Operating Voltage:	9V - 15V
Start-Stop Compatible:	Yes
Current Draw (MAX):	0.5A
Remote (Optional):	ZDAWCT
Low-Level Outputs (RCA):	8
Analogue Inputs:	6x High-Level / 2x Low-Level
Digital Inputs:	Bluetooth / Coaxial / USB / SPDIF
Remote Input:	Yes
Remote Output:	Yes
12V Preset Switch Trigger Input:	Yes
PC Connection Input:	USB-B (Cable Included)
APP Control:	Yes (Android and iOS)



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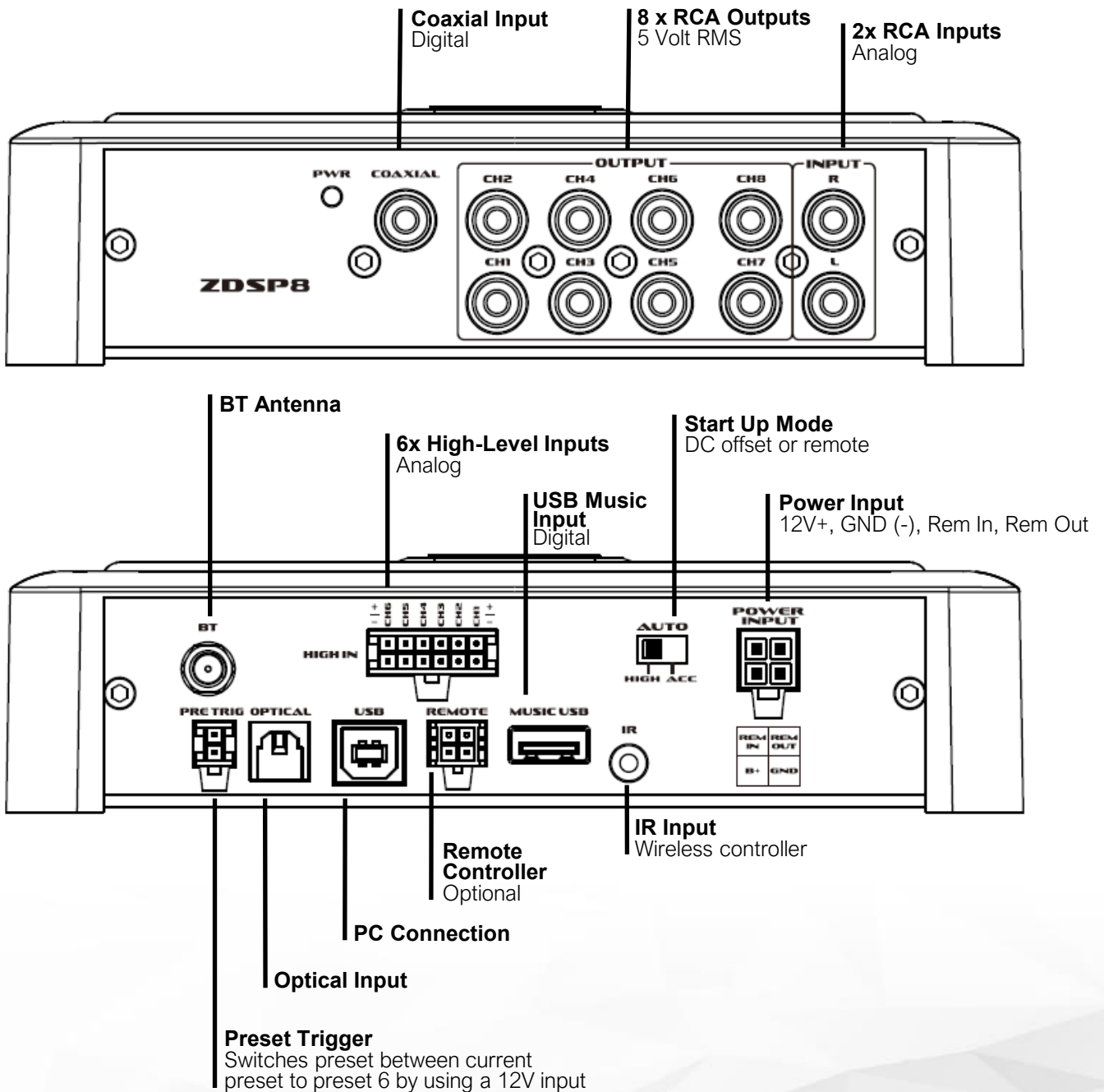
SOFTWARE SPECIFICATIONS

Product:	DSP (Digital Signal Processor)
PC Software:	Yes (Windows 10, Windows 11)
APP:	Yes (Android and iOS)
Equalizer:	31-Band
Phase Adjustments:	0 or 180 degree
Filters:	High-Pass & Low-Pass
Filter Types:	Bessel, Butterworth, Linkwitz-Riley
Filter Slopes (Bessel/Butterworth):	Off, -6dB, -12dB, -18dB, -24dB, -36dB, -42dB, -48dB
Filter Slopes (Linkwitz-Riley):	Off, -12dB, -24dB, -48dB
Time Alignment:	0 - 48ms (0 - 1632cm)
Bypass EQ:	Yes (Individual channels & ALL channels)
Mute:	Yes (Individual channels & ALL channels)
Input Priority:	Yes (2 Sources)
Turn-On Delay:	Yes (5 - 30sec)
Custom Signal Routing:	Yes
EQ Settings:	Graphic EQ / Parametric EQ
Delay Calculator:	Yes (cm and inches)
Delay Unit:	Centimeters / Inches / Milliseconds
Custom Link Settings:	Copy & Relate (Delay/EQ/Filters/Volume)
Input Setting (Input Sensitivity):	-6dB, -3dB, 0dB, +3dB, +6dB
Preset Password Protection:	Yes
Full Screen Mode:	Yes
EQ Band Gain: (Each EQ Band)	-12dB to +12dB
Adjustable Q Value:	0.1 to 12
Languages:	English, German, Spanish, Chinese,
EQ Adjustable Frequency Range:	20Hz - 20kHz
Individual Channel Gain:	0dB to -59dB
Global Volume Gain:	0dB to -28dB
Selectable Channel Names:	Yes, for each channel



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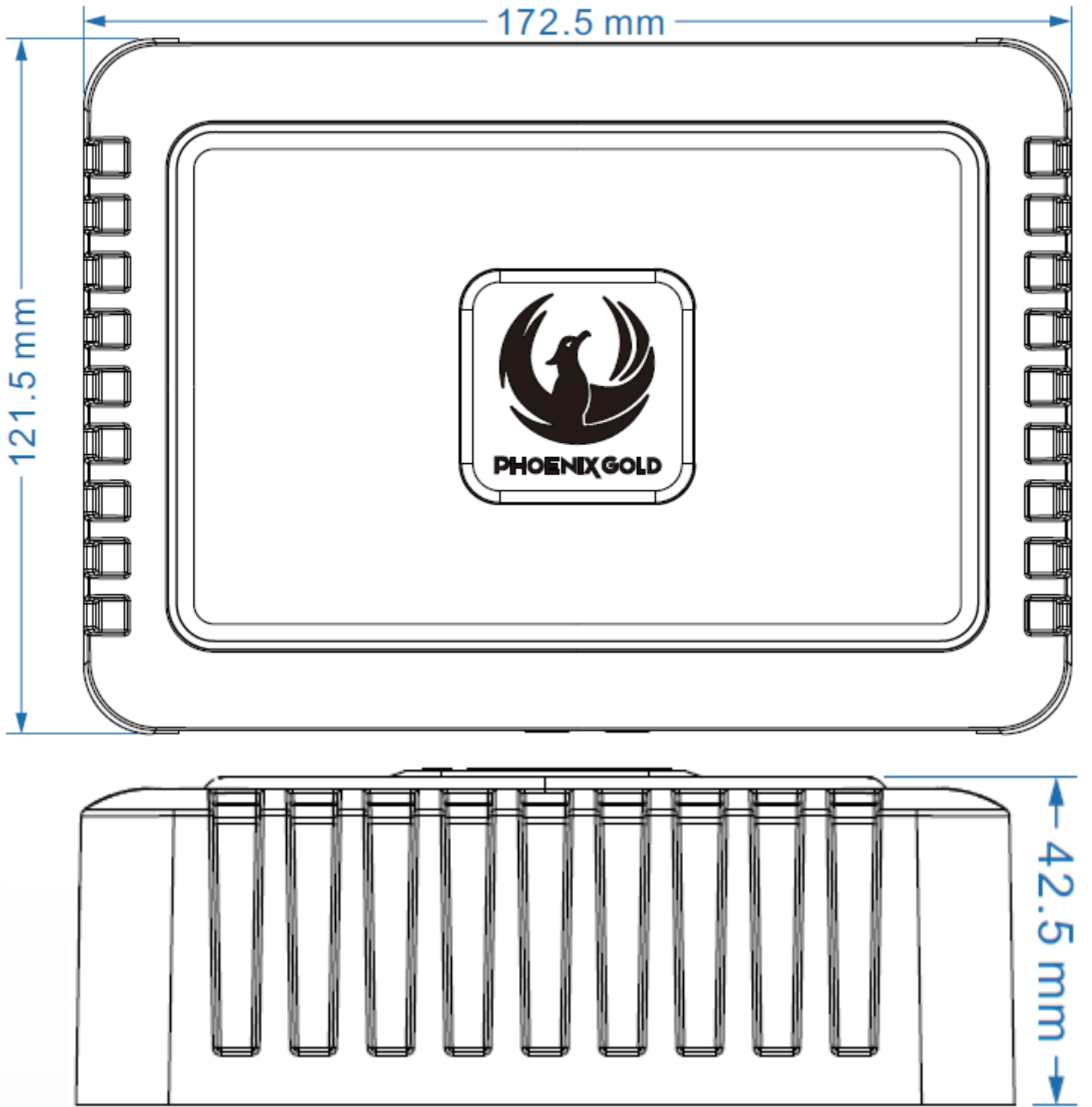
CONNECTORS





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DIMENSION DRAWING





PHOENIX GOLD

(DSP) Digital Signal Processor



SCAN THE QR CODE

Download the latest DSP software from PhoenixGold.com

1. Scan the code
2. Click on the downloads Tab
3. Download the software to your PC

Disclaimer

Always ensure the Digital Signal Processor is securely attached and installed correctly. We would always recommend using a qualified auto electrician to carry out the work. Phoenix Gold accepts no responsibility for damage or injury in relation to inappropriate installation of this product.

Phoenix Gold Product Warranty

LIMITED WARRANTY ON DIGITAL SIGNAL PROCESSORS

Phoenix Gold warrants this product to be free of defects in materials and workmanship for a period of one (1) years from the original date of purchase. This warranty is not transferable and applies only to the original purchaser from an authorized Phoenix Gold dealer. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction, Phoenix Gold or it's Country distributor / reseller will (at its discretion) repair or replace the defective product with new or re-manufactured product at no charge. Damage caused by the following is not covered under warranty: accident, misuse, abuse, product modification or neglect, failure to follow installation instructions, unauthorized repair attempts, misrepresentations by the seller. This warranty does not cover incidental or consequential damages and does not cover the cost of removing or reinstalling the unit(s). Cosmetic damage due to accident or normal wear and tear is not covered under warranty.