



# PHOENIX GOLD



INTEGRATION



## ZDA4.8 / ZDA6.8 / ZDA8.8

### Plug & Play Optimized DSP Amplifiers

#### Features

- Class A/B Amplifier Designs
- APP Control for iOS & Android (Coming 2025)
- Bluetooth 5.0 Built-in
- Burr Brown DAC
- Input Priority
- OIS - OEM Impedance Simulation
- Plug & Play Optimised



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## HARDWARE SPECIFICATIONS

Product:	ZDA4.8	ZDA6.8	ZDA8.8
Type:	DSP Amplifier		
Amplifier Class:	A/B		
Amplified Channels:	4	6	8
DSP Channels:	8		
Frequency Response (-3dB):	15Hz ~ 23kHz		
MAX Power Rating:	560W	520W	480W
RMS Power Rating (2Ω):	N/A	N/A	N/A
RMS Power Rating (4Ω):	4 x 70W	2 x 70W 4 x 30W	8 x 30W
RCA Voltage Output:	4V		
DAC:	Burr Brown PCM1681		
DSP Resolution:	24 Bit		
Sampling Rate:	48kHz		
SNR (Analogue/Digital Input):	-90dB		
THD:	0.1%		
Crosstalk:	-60dB		
Damping Factor:	120		
High-Level Input:	Yes		
Auto Turn-On:	Yes		
Input Sensitivity (High-Level):	0.2V - 20V		
Input Sensitivity (Low-Level):	0.2V - 5V		
Operating Voltage:	9V - 16V		
Start-Stop Compatible:	Yes		
Idle Current:	1.5A		
Current Draw (MAX):	30A		
Total Efficiency (4Ω):	60%		
Power Terminal:	10mm <sup>2</sup>		
Remote (Optional):	ZDAWCT		
Low-Level Outputs (RCA):	8		
Analogue Inputs:	6 x High-Level / 2 x Low-Level		
Digital Inputs:	Bluetooth / Coaxial / USB / SPDIF		
Remote Input:	Yes		
Remote Output:	Yes		
PC Connection Input:	USB-B		
APP Control (Coming Soon):	Yes		



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## SOFTWARE SPECIFICATIONS

<b>Product:</b>	<b>ZDA4.8 / ZDA6.8 / ZDA8.8</b>
<b>PC Software:</b>	Yes (Windows 10, Windows 11)
<b>APP:</b>	Yes (Coming Soon)
<b>Equalizer:</b>	31-Band
<b>Phase Adjustments:</b>	0 or 180 degree
<b>Filters:</b>	High-Pass & Low-Pass
<b>Filter Types:</b>	Bessel, Butterworth, Linkwitz-Riley
<b>Filter Slopes (Bessel/Butterworth):</b>	Off, -6dB, -12dB, -18dB, -24dB, -36dB, -42dB, -48dB
<b>Filter Slopes (Linkwitz-Riley):</b>	Off, -12dB, -24dB, -48dB
<b>Time Alignment:</b>	0 - 48ms (0 - 1632cm)
<b>Bypass EQ:</b>	Yes (Individual channels & ALL channels)
<b>Mute:</b>	Yes (Individual channels & ALL channels)
<b>Input Priority:</b>	Yes (2 Sources)
<b>Turn-On Delay:</b>	Yes (5 - 30sec)
<b>Custom Signal Routing:</b>	Yes
<b>EQ Settings:</b>	Graphic EQ / Parametric EQ
<b>Delay Calculator:</b>	Yes (cm and inches)
<b>Delay Unit:</b>	Centimeters / Inches / Milliseconds
<b>Custom Link Settings:</b>	Copy & Relate (Delay/EQ/Filters/Volume)
<b>Input Setting (Input Sensitivity):</b>	-6dB, -3dB, 0dB, +3dB, +6dB
<b>Preset Password Protection:</b>	Yes
<b>Full Screen Mode:</b>	Yes
<b>EQ Band Gain: (Each EQ Band)</b>	-12dB to +12dB
<b>Adjustable Q Value:</b>	0.1 to 12
<b>Languages:</b>	English, German, Spanish & Chinese
<b>EQ Adjustable Frequency Range:</b>	20Hz - 20kHz
<b>Individual Channel Gain:</b>	0dB to -59dB
<b>Global Volume Gain:</b>	0dB to -28dB
<b>Selectable Channel Names:</b>	Yes, for each channel



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## CONNECTORS

### Channel 6-8

Output dependent on model 6 and 8 Channels on ZDA6.8 and ZDA8.8 models only

**Start up mode**  
DC offset or remote

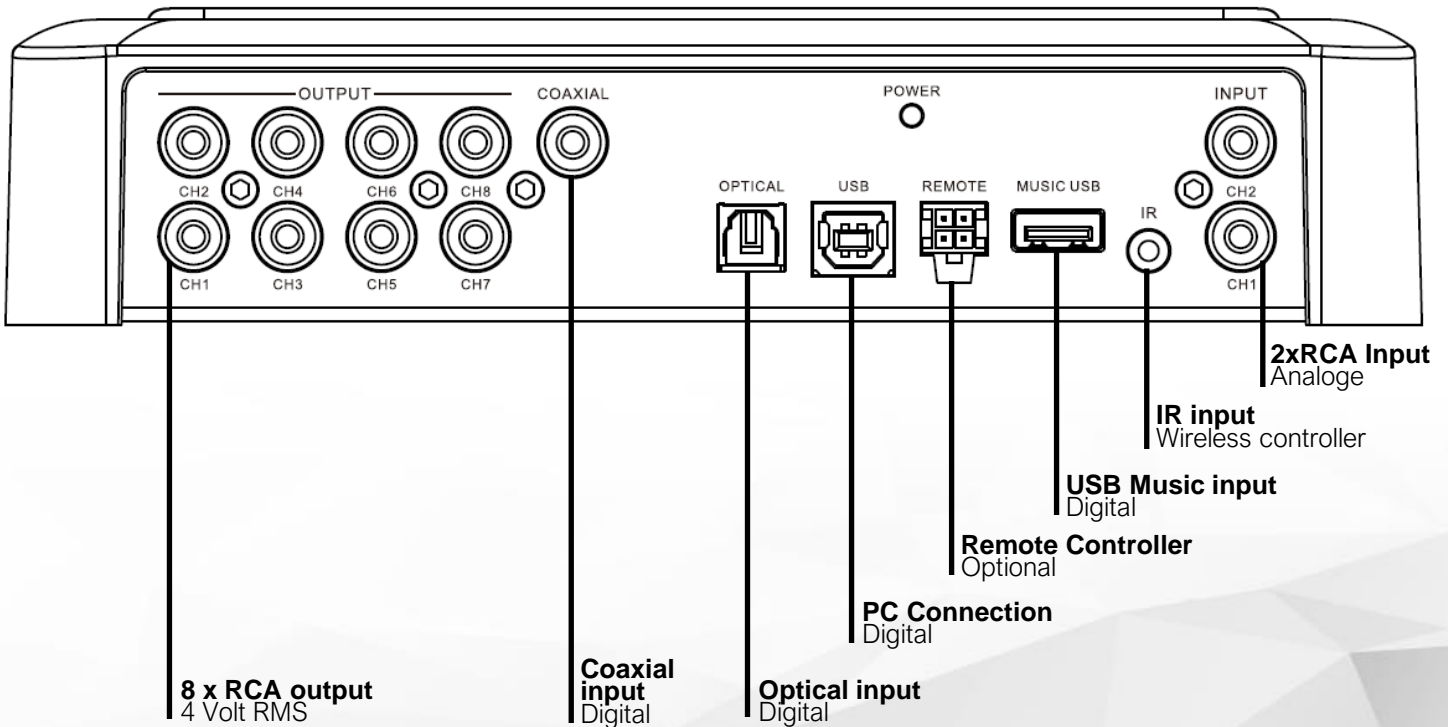
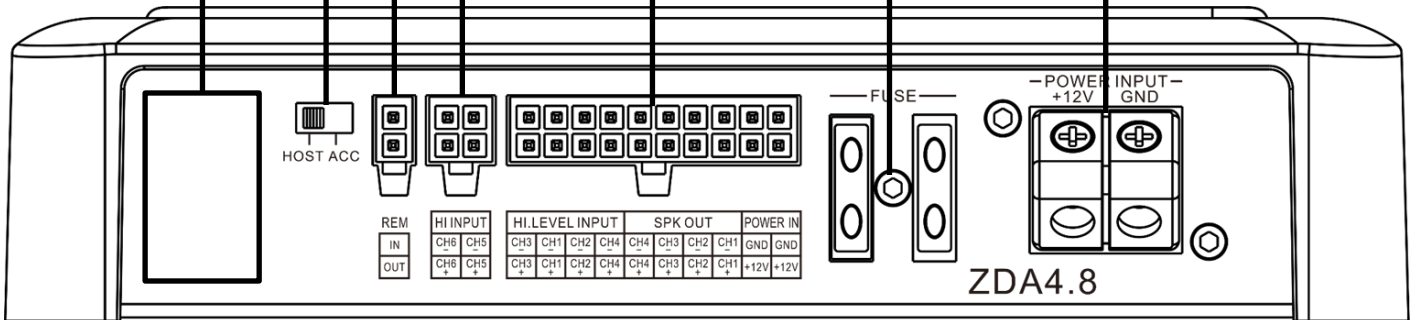
**Remote in & out**  
12 Volt trigger and output

**High level input**  
Channel 5-6

**Main terminal**  
1-4ch input and 1-4ch output and power and ground

**DUAL FUSE**  
Fuse terminal

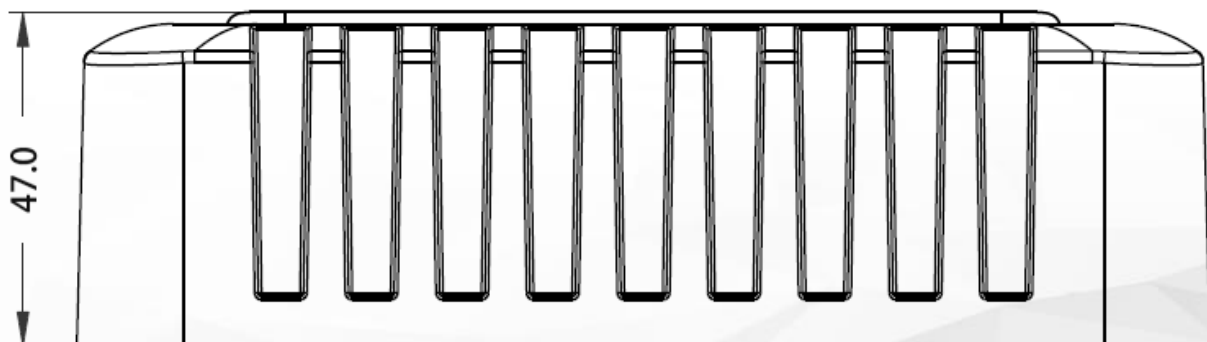
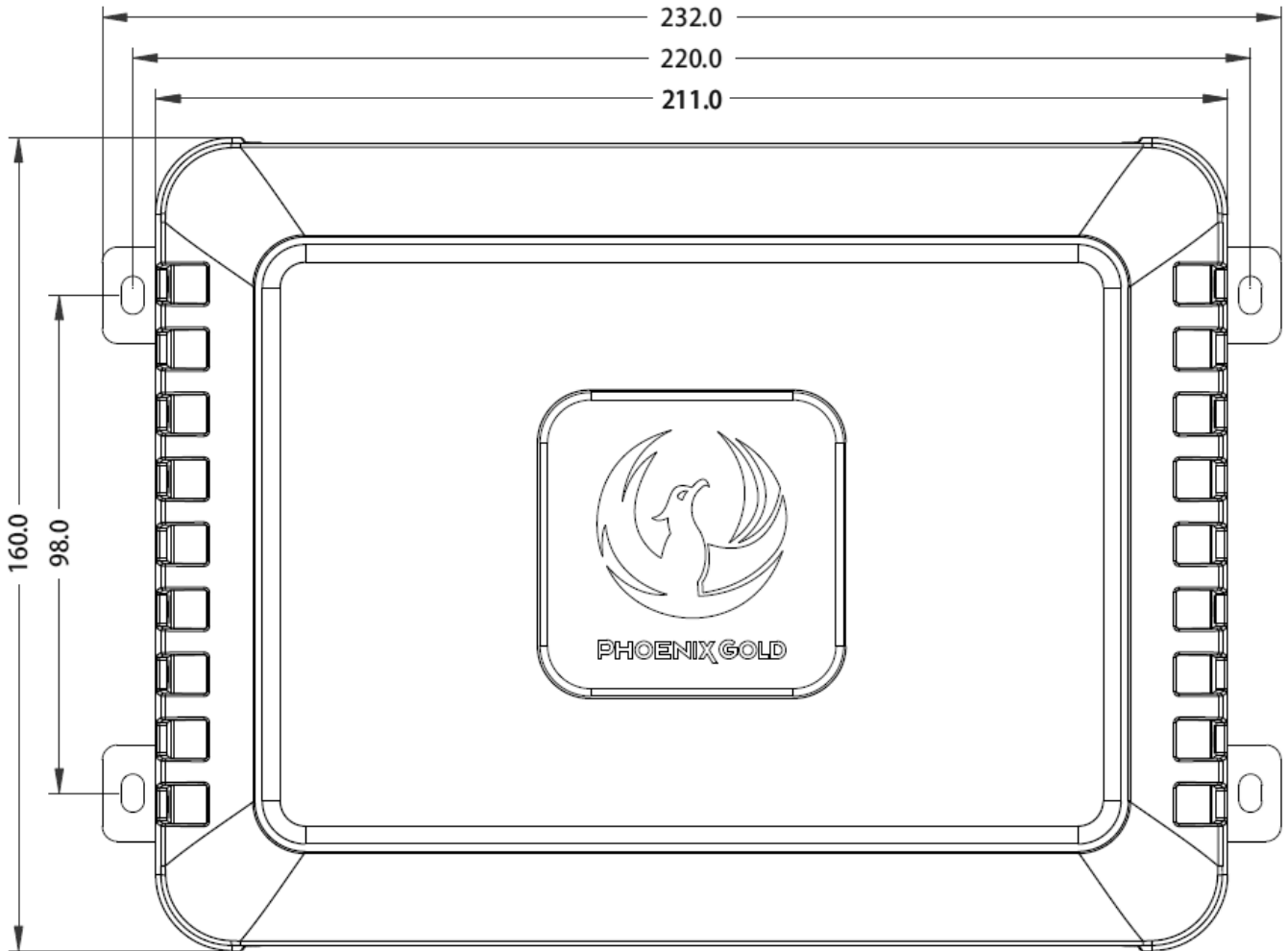
**Power terminal**  
Use for extra power





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## DIMENSION DRAWING

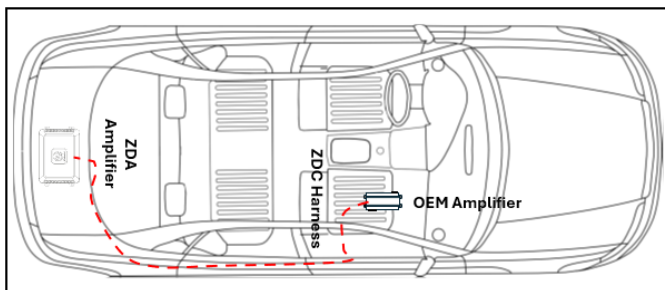
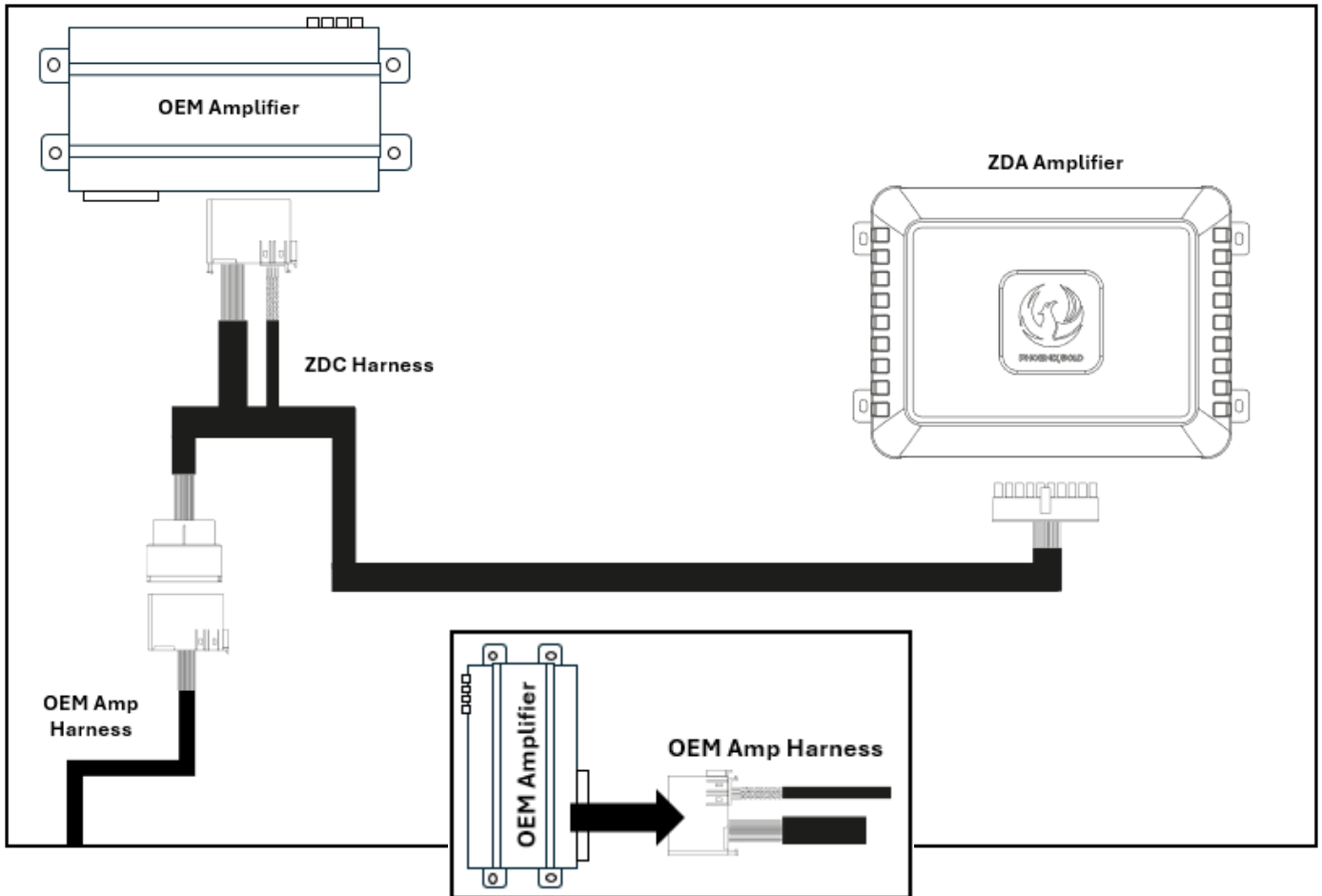




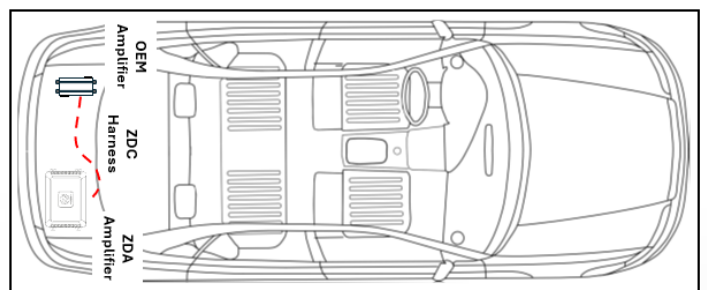
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## HOW TO USE IN PLUG & PLAY

Our ZDA amplifiers can be used with our plug & play ZDT and ZDC harnesses.



Example: OEM Amplifier located under front seat



Example: OEM Amplifier located in the boot

VIEW THE FULL RANGE: [PhoenixGold.com](http://PhoenixGold.com)





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## Disclaimer

Always ensure the amplifier 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 AMPLIFIERS

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.