



PHOENIX GOLD ZDA4.8 Channel DSP Amplifier Owner's Manual

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ZDA4.8 / ZDA6.8 / ZDA8.8

Plug & Play Optimized DSP Amplifiers

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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

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 ²		
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		

SOFTWARE SPECIFICATIONS

Product:	ZDA4.8 / ZDA6.8 / ZDA8.8
PC Software:	Yes (Windows 10, Windows 11)
APP:	Yes (Coming Soon)
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

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

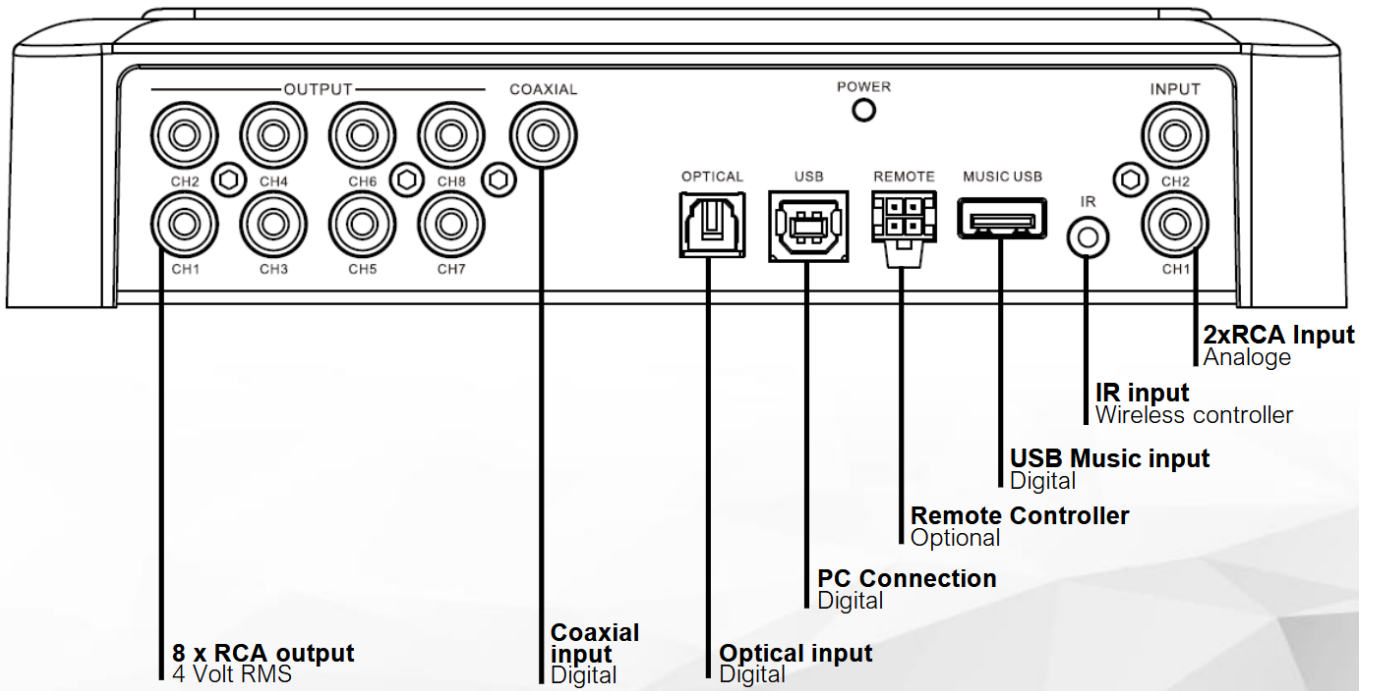
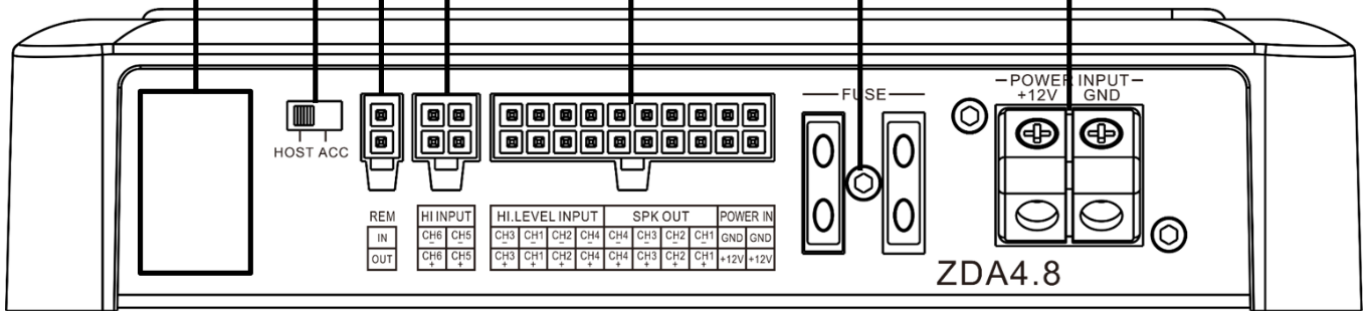
1-4ch input and 1-4ch output and power and ground

DUAL FUSE

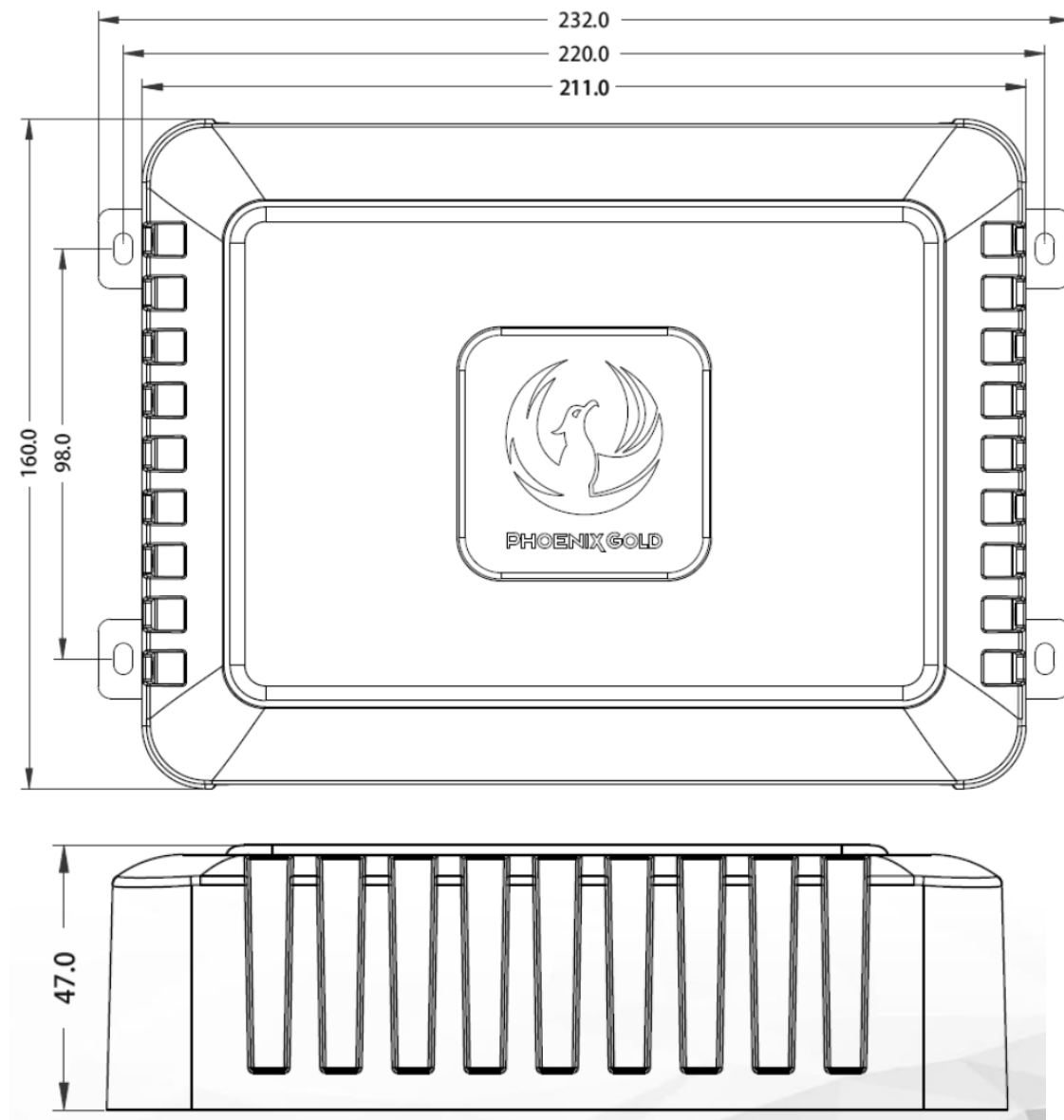
Fuse terminal

Power terminal

Use for extra power

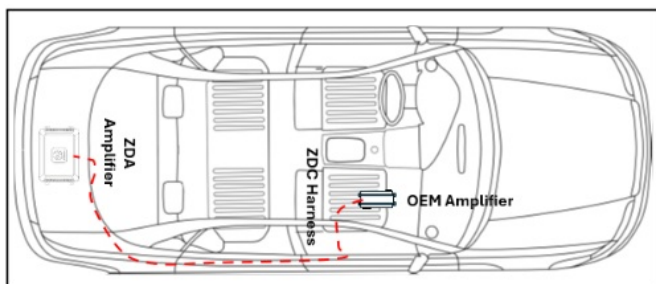
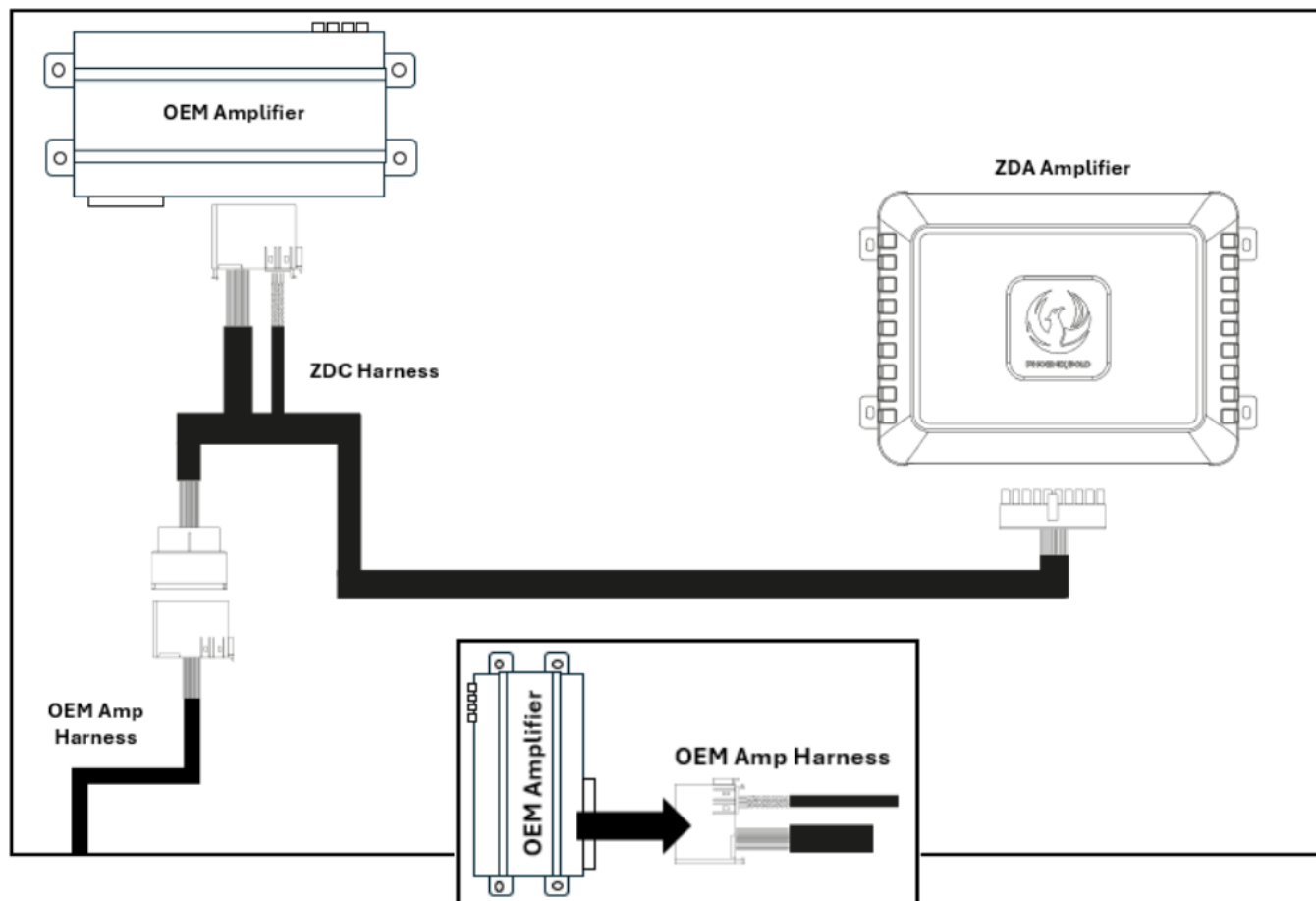


DIMENSION DRAWING

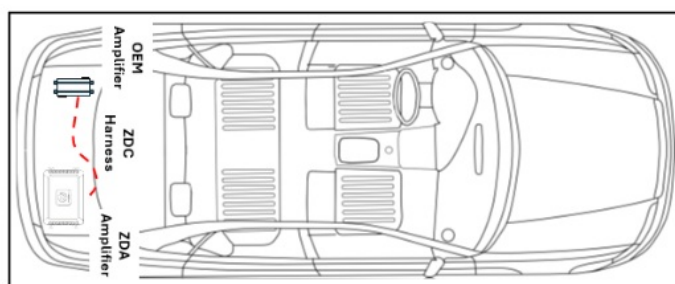


HOW TO USE IN PLUG & PLAY

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](https://phoenixgold.com)



<https://phoenixgold-eu.com/product-category/zdt-zdc-harnesses/>



Disclaimer

Always ensure the amplifier is securely attached and installed correctly. We would always recomend 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.

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Documents / Resources

	<p>PHOENIX GOLD ZDA4.8 Channel DSP Amplifier [pdf] Owner's Manual ZDA4.8, ZDA6.8, ZDA8.8, ZDA4.8 Channel DSP Amplifier, ZDA4.8, Channel DSP Amplifier, DS P Amplifier, Amplifier</p>
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References

- [🔥 ZDT-ZDC-Harnesses - Phoenix Gold High Performance Car Audio](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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