



## FULL CLASS-D TECHNOLOGY MINI AMPLIFIER

**Models: ZXM400.4ISO**

### SPECIFICATIONS

- Full Class-D technology offers efficiency & performance
- Short circuit/thermal and high/low voltage protection
- Excellent signal to noise ratio and FM noise rejection
- Built in protection LED light status indicator
- Surface mount component technology
- Ultra small size for easy installation
- Autostart on high-level input
- Full adjustable HP & LP filter
- OIS - OEM Impedance Simulation

	ZXM400.4ISO
Class:	Class D
Channels:	4
Frequency Response:	20Hz – 25kHz
Max Power Rating:	800W
RMS Power Rating (1Ω):	N/A
RMS Power Rating (2Ω):	4 x 100W
RMS Power Rating (4Ω):	4 x 60W 2 x 220W (Bridged)
RCA Passthrough Output:	Yes
Signal to Noise Ratio (SNR) (Full Power):	-82dB
Total Harmonic Distortion (THD):	<1%
Low Pass Filter (LPF):	40Hz – 400Hz (12dB/Oct)
High Pass Filter (HPF):	40Hz – 400Hz (12dB/Oct)
Crossover Switch:	HPF / FULL / LPF
Crosstalk:	-48dB
Input Sensitivity:	0.4V – 20V
Remote Control:	N/A
High-level Input:	Yes
Auto Turn-on:	Yes
Turn-On Mode:	High-level / Remote
Input Mode:	2CH / 4CH
OEM Impedance Simulation (OIS):	OFF / 6Ohm
Operating Voltage:	9V – 16V
Idle Current:	0.69A
Current Draw (Max):	34A
Total Efficiency (4Ω):	90%
Input/Output/Power Connector:	20-Pin Molex Connector
Dimensions (LxWxH) (Excluding Feet):	151 x 83.1 x 34.8mm
Dimensions (LxWxH) (Including Feet):	167 x 83.1 x 34.8mm
Weight:	0.62 kg

## Installation

### Important Safety Tips:

- Make sure the amplifier is securely mounted in your vehicle.
- Before drilling or cutting, check carefully to avoid fuel tanks, fuel lines, hydraulic lines, and electrical wiring.
- Avoid placing the amp where wires could get pinched or damaged.

### Step-by-Step Instructions:

#### 1. Disconnect the Vehicle Battery

Unplug the negative (-) cable from your vehicle's battery to prevent any electrical shorts or damage during installation.

#### 2. Connect the ISO-T Harness

Plug the included ISO-T harness into the factory ISO connectors behind your head unit, or connect it to a compatible ZDT- harness\* if you're using a vehicle-specific setup.

#### 3. Connect the Amplifier

Plug the 20-pin Molex connector into your ZXM400.4ISO amplifier.

#### 4. Initial Power-Up

Reconnect the vehicle battery. Turn on the audio system with the amplifier gain set to minimum.

#### 5. Adjust Amplifier Gain

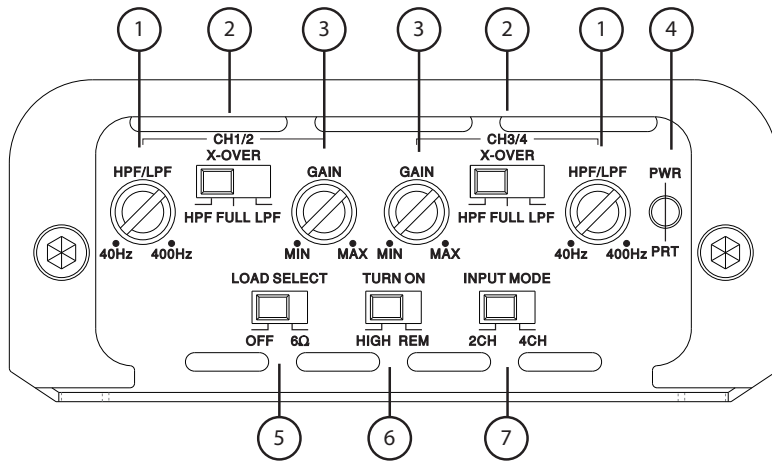
Gradually increase the gain setting to match the input level from your head unit or source. If distortion occurs, reduce the gain until the sound is clean.

#### 6. Secure the Amplifier

Mount the amplifier securely in a well-ventilated location using appropriate hardware. Avoid mounting on surfaces prone to vibration or moisture.

*\*ZDT- harness is sold separately*

## ZXM400.4ISO - Connectors



**1. HPF/LPF** - Set the crossover frequency using this knob. HPF or LPF is selected by the X-OVER switch.

**2. Front/Rear X-Over** - These switches control the crossover settings for channels 1-2 (front) and 3-4 (rear). HPF (High-Pass Filter): Allows only frequencies above the selected crossover point to pass through. FULL: Send the full frequency range to the speakers. LPF (Low-Pass Filter): Allows only frequencies below the selected crossover point to pass through.

**3. Gain** - This control matches the amplifier's input sensitivity to your high- or low-level input signal.

**4. Power Indicator** - Light shows the status of the amplifier.

**5. Load Select Switch** - This switch simulates a speaker load on the high-level input, which is sometimes required for factory head units to work correctly.

**6Ω:** Use this setting if the factory head unit no longer has speakers connected.

**Note:** This tricks the head unit into thinking speakers are still connected, which is necessary for some vehicles to operate properly.

**OFF:** Use this setting if the factory head unit still has speakers connected.

**Note:** Do NOT use the 6Ω setting in this case, or the head unit may be damaged.

**Turn On Switch** - This switch controls how the amplifier turns on: High: The amplifier will automatically turn on when it detects a signal from the high-level input.

**Note:** Use this if you're connecting the amplifier to factory speaker wires without a remote wire. REM: The amplifier will turn on when it receives a 12V signal through the remote turn-on wire. Note: Use this if your head unit or processor has a dedicated remote output.

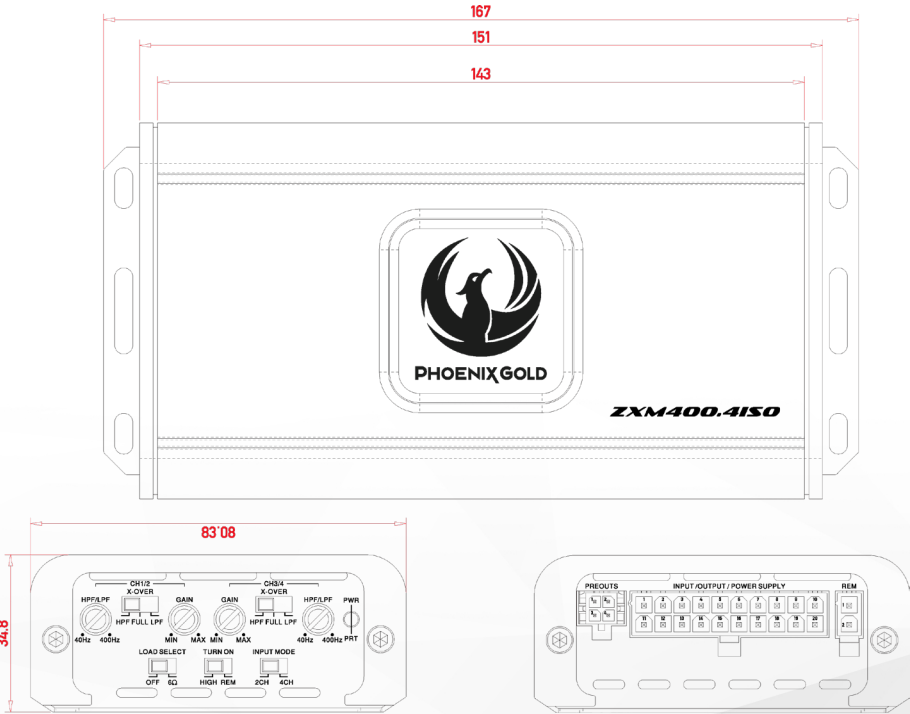
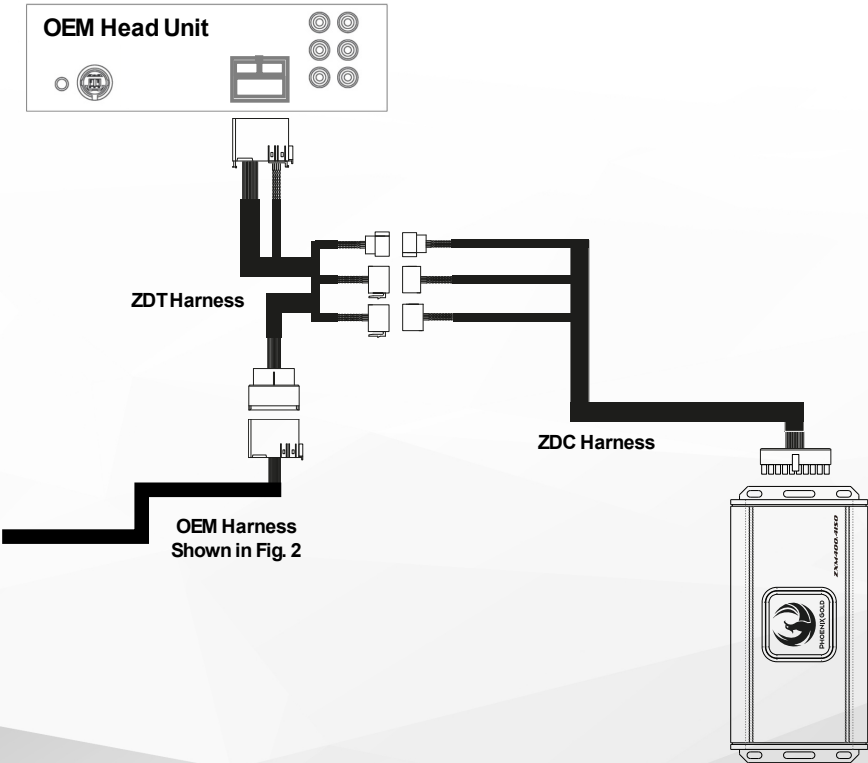
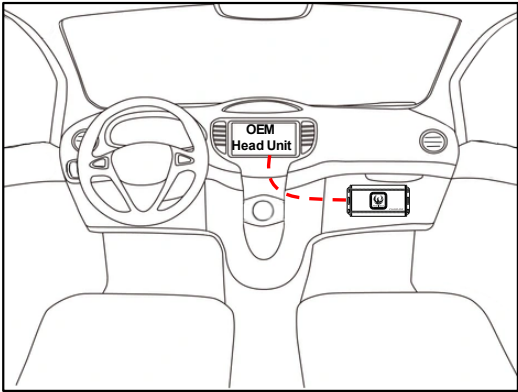
**7. Input Mode Switch** - This switch determines how many input channels feed the outputs of the amplifier.

**2CH:** Use this if you only have 2 high-level inputs. The amplifier will internally split the signal to all 4 output channels.

**4CH:** Use this if you have 4 high-level inputs.

ZXM400.4ISO - Installation Diagrams

ZXM400.4ISO - Dimensions





## Disclaimer

Always ensure the amplifier is securely attached, to avoid movement. PHOENIX GOLD accepts no responsibility for damage or injury in relation to inappropriate securing 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.