



COMPONENT SPEAKER MANUAL

Model: **ZX65C - ZX35C - ZX1TC - ZX65CS - ZX653CS**

Features & Benefits

- High efficiency component speakers
- Make your own component system
- Adjustable tweeter level setting
- High power sound paired with high quality detail
- Play loud and retain the same premium sound at lower levels
- The essence of Phoenix Gold power and sonic performance
- Component kits available (**ZX653CS - ZX65CS**)
- Separate cable filters for easy installation
- Each component includes matched cable filters

All specifications subject to change without notice.

ZX65C - 6.5"/165mm 2-Way Midrange Woofer

SPECIFICATION	ZX65C
Speaker	6.5"
Max Power (Watts)	120 Watts
RMS Power (Watts)	60 Watts
Filter Design (LP)	6dB
Crossover Point (Hz)	4000Hz (LP)
Voice Coil (Diameter)	25mm
Sensitivity	89dB (1W/1m)
Magnet / Cone (Material)	Ferrite / Polypropylene
Impedance	4 Ohm
Diameter	165mm
Depth	64mm

Installation

Make sure the enclosure is firmly fixed in your vehicle. Check before drilling or cutting holes. DO NOT work near fuel tanks, fuel lines hydraulic lines or electrical wiring.

DO NOT mount speaker or tweeter in such a way as to pinch or damage the wires.

This woofer is supplied with a set of custom ZX grills.

Filter Usage

Filters are used to divide the different frequencies to different speakers. It's very important to use the right filters with the right speakers, as failure to do so will damage the speakers. Please follow the guide below and make sure you use these filters in the right way.

Low-pass (6dB) filter for use with a 2-way system.

**LP Filter for Woofer
(4000Hz)**

20Hz

20kHz

ZX35C - 3.5"/89mm Midrange Speaker

SPECIFICATION	ZX35C
Speaker	3.5"
Max Power (Watts)	40 Watts
RMS Power (Watts)	20 Watts
Filter Design (BP & LP)	6dB
Crossover Point (Hz)	350Hz - 4000Hz (BP)
Voice Coil (Diameter)	20.4mm
Sensitivity	86dB (1W/1m)
Magnet / Cone (Material)	Ferrite / Paper
Impedance	8 Ohm
Diameter	90mm
Depth	40mm

Installation

Make sure the enclosure is firmly fixed in your vehicle. Check before drilling or cutting holes. DO NOT work near fuel tanks, fuel lines hydraulic lines or electrical wiring.

DO NOT mount speaker or tweeter in such a way as to pinch or damage the wires.

Filter Usage

Filters are used to divide the different frequencies to different speakers. It's very important to use the right filters with the right speakers, as failure to do so will damage the speakers. Please follow the guide below and make sure you use these filters in the right way.

Band-pass (6dB) filter for use with a 2-way system.

Low-pass (6dB) filter for use with a 3-way system with additional woofer. This filter is supplied in the ZX35C box, but is to be used with a compatible woofer.

**LP Filter for Woofer
(350Hz)**

**BP Filter for Midrange
(350-4000Hz)**

20Hz

20kHz

ZX1TC - 1"/25mm Soft Dome Tweeter

SPECIFICATION	ZX1TC
Speaker	1"
Max Power (Watts)	40 Watts
RMS Power (Watts)	20 Watts
Filter Design (HP)	12dB
Crossover Point (Hz)	4000Hz (HP)
Tweeter Level Adjustment	0dB & -2dB
Sensitivity	91dB (1W/1m)
Magnet / Cone (Material)	Neodymium / Silk
Impedance	4 Ohm
Diameter	25mm
Tweeter Depth	20mm
Housing Depth	39mm

Installation

Make sure the enclosure is firmly fixed in your vehicle. Check before drilling or cutting holes. DO NOT work near fuel tanks, fuel lines hydraulic lines or electrical wiring.

Located on the tweeter will be 2 thin wires with a male and a female connector - these are to control the tweeter level adjustment. As default the tweeter will register at -2dB. When these wires are connected together, the attenuation level will 0dB.

DO NOT mount speaker or tweeter in such a way as to pinch or damage the wires.

Filter Usage

Filters are used to divide the different frequencies to different speakers. It's very important to use the right filters with the right speakers, as failure to do so will damage the speakers. Please follow the guide below and make sure you use these filters in the right way.

High-pass (12dB) filter for use with a 2-way or 3-way system.

**HP Filter for Tweeter
(4000Hz)**

20Hz

20kHz

ZX65CS - 2-Way Component Speaker Kit

SPECIFICATION	ZX65CS
Speaker	6.5" Midrange Woofer / 1" Tweeter
Max Power (Watts)	160 Watts
RMS Power (Watts)	80 Watts
Filter Design (HP / LP)	6dB / 12dB
Crossover Point (Hz)	4000Hz (LP & HP)
Tweeter Level Adjustment	0dB & -2dB
Voice Coil (Diameter)	25mm
Sensitivity	89dB (1W/1m) / 90dB (1W/1m)
Speaker Magnet / Cone (Material)	Ferrite / Polypropylene
Tweeter Magnet / Cone (Material)	Neodymium / Silk
Impedance	4 Ohm
Diameter	165mm / 25mm
Speaker Depth	64mm
Tweeter Depth	20mm
Housing Depth	39mm

Installation

Make sure the enclosure is firmly fixed in your vehicle. Check before drilling or cutting holes. DO NOT work near fuel tanks, fuel lines hydraulic lines or electrical wiring.

Located on the tweeter will be 2 thin wires with a male and a female connector - these are to control the tweeter level adjustment. As default the tweeter will register at -2dB. When these wires are connected together, the attenuation level will 0dB.

DO NOT mount speaker or tweeter in such a way as to pinch or damage the wires.

Filter Usage

Filters are used to divide the different frequencies to different speakers. It's very important to use the right filters with the right speakers, as failure to do so will damage the speakers. Please follow the guide below and make sure you use these filters in the right way.

High-pass (12dB) filter for use with tweeter in a 2-way system.

Low-pass (6dB) filter for use with midrange woofer in a 2-way system.

**LP Filter for Woofer
(4000Hz)**

**HP Filter for Tweeter
(4000Hz)**

20Hz

20kHz

ZX653CS - 3-Way Component Speaker Kit

SPECIFICATION	ZX653CS
Speaker	6.5" Woofer / 3.5" Midrange / 1" Tweeter
Max Power (Watts)	200 Watts
RMS Power (Watts)	100 Watts
Filter Design (LP / BP / HP)	6dB / 6dB / 12dB
Crossover Point (Hz)	350-4000Hz
Tweeter Level Adjustment	0dB & -2dB
Voice Coil (Diameter)	25mm / 20.4mm
Sensitivity	89dB / 86dB / 91dB (1W/1m)
Impedance	4 Ohm
Diameter	165mm / 90mm / 25mm
Speaker Depth	64mm / 40mm
Tweeter Depth	20mm
Housing Depth	39mm

Installation

Make sure the enclosure is firmly fixed in your vehicle. Check before drilling or cutting holes. DO NOT work near fuel tanks, fuel lines hydraulic lines or electrical wiring.

Located on the tweeter will be 2 thin wires with a male and a female connector - these are to control the tweeter level adjustment. As default the tweeter will register at -2dB. When these wires are connected together, the attenuation level will 0dB.

DO NOT mount speaker or tweeter in such a way as to pinch or damage the wires.

Filter Usage

Filters are used to divide the different frequencies to different speakers. It's very important to use the right filters with the right speakers, as failure to do so will damage the speakers. Please follow the guide below and make sure you use these filters in the right way.

High-pass (12dB) filter for use with tweeter in a 3-way system.

Band-pass (6dB) filter for use with midrange speaker in a 3-way system.

Low-pass (6dB) filter for use with midrange woofer in a 3-way system.

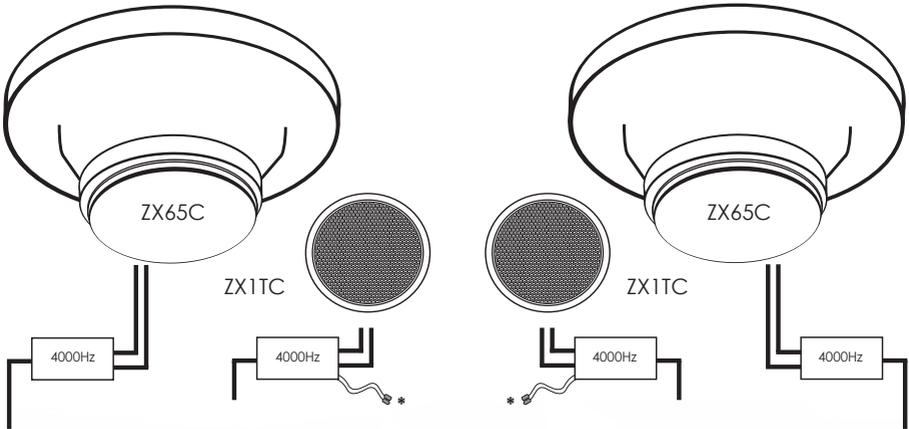
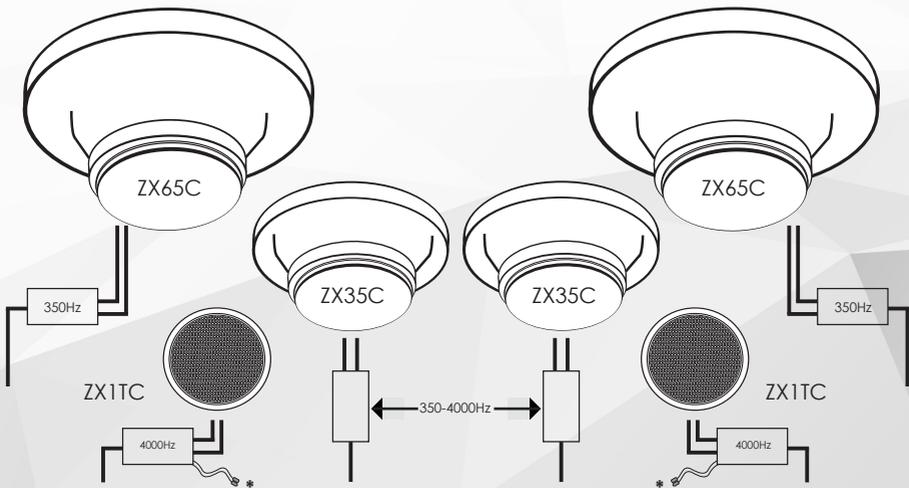
**LP Filter
(350Hz)**

**Bandpass Filter
(350-4000Hz)**

**HP Filter
(4000Hz)**

20Hz

20kHz

ZX653CS / ZX65CS - Component Speaker Kits
ZX65CS - ZX65C + ZX1TC

ZX653CS - ZX65C + ZX35C + ZX1TC


* Wires used to adjust tweeter level. Disconnected = -2dB. Connected = 0dB damping.



Disclaimer

Always ensure the enclosure 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 SPEAKERS

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 in the United States of America only. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction, Phoenix Gold 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.

INTERNATIONAL WARRANTIES:

Products purchased outside the United States of America are covered only by that country's Authorized Phoenix Gold reseller and not by Phoenix Gold. Consumers needing service or warranty information for these products must contact that country's reseller for information.