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**The Martin Experience**



This equipment conforms to the requirements of the EMC Directive 89/336/EEC, amended by 92/31/EEC and 93/68/EEC and the requirements of the Low Voltage Directive 73/23/EEC, amended by 93/68/EEC.

Standards Applied

EMC Emission	EN55103-1:1996
Immunity	EN55103-2:1996
Electrical Safety	EN60065:1998

## 1 INTRODUCTION

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Thank you for purchasing a Martin Audio CS265P, a powered sub-bass system designed to be used with the C115 and C516 Contractor Series loudspeakers. It incorporates two powerful 6.5" (165mm) drive units in an ultra-compact enclosure powered by an internal 150 watt amplifier.

## 2 UNPACKING

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Each Martin Audio loudspeaker is built to the highest standard and thoroughly inspected before it leaves the factory. After unpacking the system, examine it carefully for any signs of transit damage and inform your dealer if any such damage is found. It is suggested that you retain the original packaging so that the system can be repacked at a future date if necessary.

Please note that Martin Audio and its distributors cannot accept any responsibility for damage to any returned product through the use of non-approved packaging.

## 3 FEATURES

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The CS265P has the following features:

150 watt bi-polar complementary output stage.

Differential balanced, summed, dual XLR inputs.

In-built limiters, to ensure the power module cannot clip.

Auto signal ramp-up on switch on. This ensures that the sub-bass output is brought up to its pre-set level over a two second period.

Full protection against thermal overload.

## 4 MAINS CONNECTION

The CS265P is supplied in either 220-240 volt or 100-120 volt versions. Before connecting to the mains, ensure that the version you have is the correct voltage.

The CS265P is fitted with an IEC 320 mains receptacle with integral fuse holder. The 2 metre mains lead supplied is fitted with a 3-pin mains plug to UK BS1363.

Should this mains plug be removed and another plug substituted, the cable must be rewired as follows:

GREEN/YELLOW	- EARTH
BROWN	- LIVE
BLUE	- NEUTRAL

### **WARNING:**

**The CS265P must always be operated with the mains safety earth connected**

Fuse rating for 220-240V version - 2 amp type T(L)

Fuse rating for 100-120V version - 4 amp type T(L)

Voltage tolerance on each version -5% +10%

This equipment must be earthed.



**CAUTION  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN  
DO NOT EXPOSE TO RAIN  
OR MOISTURE**



It should not be necessary to remove any protective earth or signal cable shield connections.

## 5 INSTALLATION

The CS265P may be mounted in any orientation provided that there is adequate airflow around the power module to assist cooling. It should not be mounted in an environment where the ambient temperature can exceed 40 degrees C. This will result in thermal shutdown of the power amplifier module. Operation will be automatically resumed once the temperature has returned to a safe level.

## 6 SIGNAL CONNECTIONS

The CS265P is provided with two differential balanced inputs wired as follows:

- Pin 1     Selectable Ground Lift/Ground/Open Circuit (See note below)
- Pin 2     Hot (+)
- Pin 3     Cold (-)

**Important Note:** The CS265P is supplied from the factory with pin 1 in the Ground Lift position, with a 47R resistor between Signal 0V and Ground. Links on the printed circuit board can be changed to link Signal 0V direct to ground or removed completely (open circuit).

**WARNING:** The unit must be disconnected from the mains supply before attempting these changes.

The two connectors are fed to a summing circuit which combines the left and right signals to a mono signal. For full-power output, both balanced inputs must be fed with a signal of 0dB (0.775V rms) with the input sensitivity control set fully clockwise. If only one mono signal is available, it can either be Y-split and fed to both inputs or, if only one input connector is used, the level of the input should be increased by +6dB (1.546V rms) to achieve the same output.

## 7 WARRANTY

Martin Audio CS265P is warranted against manufacturing defects in materials or craftsmanship over a period of 1 year from the date of original purchase. During the warranty period Martin Audio will, at its discretion, either repair or replace products which prove to be defective provided that the product is returned in its original packaging, shipping prepaid, to an authorised Martin Audio service agent or distributor.

Martin Audio Ltd. cannot be held responsible for defects caused by unauthorised modifications, improper use, negligence, exposure to inclement weather conditions, act of God or accident, or any use of this product that is not in accordance with the instructions provided by Martin Audio. Martin Audio is not liable for consequential damages.

This warranty is exclusive and no other warranty is expressed or implied. This warranty does not affect your statutory rights.

## 8 TECHNICAL SPECIFICATIONS

### CS265P

TYPE	Powered ultra-compact sub-bass system
FREQUENCY RESPONSE	60Hz-120Hz $\pm 3$ dB
LOW FREQUENCY LIMIT	-10dB @ 55Hz
DRIVERS	2 x 6.5" (165mm) long excursion drivers with 1.5" (38mm) voice coils
POWER MODULE	150 watts RMS into 4 ohms
MAXIMUM SPL	113dB continuous, 119dB peak
ACTIVE FILTERS	30Hz high-pass, 150Hz low-pass
ENCLOSURE	44 litre (1.6 cu foot) particle board construction
CONNECTORS	IEC mains receptacle 2 x XLR inputs
DIMENSIONS	(W) 215mm x (H) 456mm x (D) 605mm (W) 8.5ins x (H) 18.0ins x (D) 23.8ins
WEIGHT	19kg (41.8lbs)
SHIPPING DIMENSIONS	(W) 280mm x (H) 510mm x (D) 680mm (W) 11ins x (H) 20.1ins x (D) 26.8ins
SHIPPING WEIGHT	19.5kg (43lbs)

Due to our policy of continuous improvement all specifications are subject to change without notice.

# Contractor Series CS265P



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# Contractor Series CS265P

## User's Guide



**ENGLISH**



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