

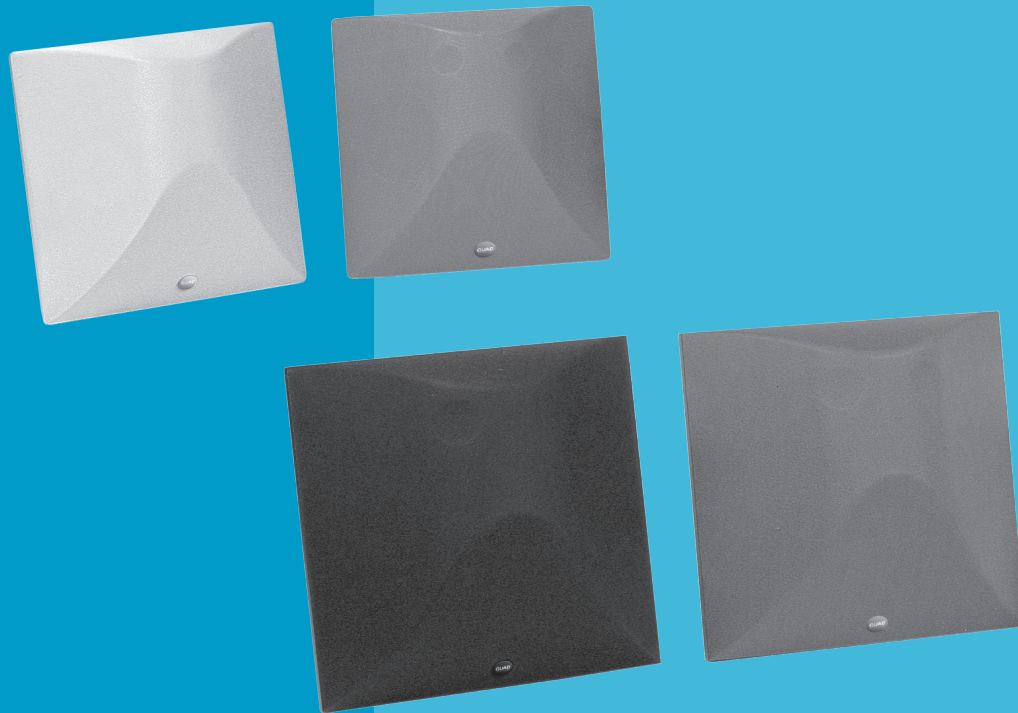


REV.1

**QUAD**  
INDUSTRIAL

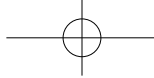
# CONCOURSE D SERIES

## INSTRUCTION BOOKLET



MODELS D4, D4T, D4-16, D5, D5T & D5-16  
**FOR THE CLOSEST APPROACH TO THE ORIGINAL SOUND**





## TABLE OF CONTENTS

### Introduction:

Safety Instructions.....	02
Introduction.....	02
Warnings & Disclaimers.....	02
Rigging & Suspension.....	02
Warranty & Service.....	02

### Product Descriptions:

Concourse D4, D4T, D5 & D5T.....	03
----------------------------------	----

### Product Features:

Mounting Points & Terminals.....	04
----------------------------------	----

### Installation:

Installation Instructions.....	05
--------------------------------	----

### Connections:

Low Impedance Connections.....	05
Impedance Charts.....	06
70/100V Connections.....	06

### CE Compliance:

Statement.....	06
Specifications.....	07

### Contact Information:

QUAD Industrial Contact Information.....	BACK COVER
--	------------

## SAFETY INSTRUCTIONS

### Safety First!

1. Please read this manual fully before installing and operating this product.
2. Retain a copy of this manual for future reference.
3. Comply with all warning labels and instructions.
4. Do not attempt the installation of this equipment unless you are qualified to do so.
5. Protect your hearing from high sound pressure levels.

### Rigging and Suspension

The rigging, suspension or mounting of these products can expose the installer and members of the public to serious health risks and even death.

**UNDER NO CIRCUMSTANCES ATTEMPT TO RIG, SUSPEND OR OTHERWISE MOUNT THIS EQUIPMENT UNLESS YOU ARE FULLY QUALIFIED AND CERTIFIED TO DO SO BY RELEVANT LOCAL, STATE AND NATIONAL AUTHORITIES. ALL RELEVANT SAFETY REGULATIONS MUST BE FOLLOWED. IF YOU ARE NOT PROPERLY QUALIFIED OR DO NOT KNOW OF PERTINENT REGULATIONS, CONSULT QUALIFIED PERSONNEL FOR ADVICE AND ASSISTANCE.**

### Limited Liability

QUAD Industrial assumes no liability whatsoever for any damage or loss, either direct or consequential arising from the installation and use of these products. Liability is limited to replacement of product or refund, at the QUAD Industrial's discretion. Your rights to compensation may vary by territory; consult with your local QUAD Industrial office or distributor.

### Warranty & Service

These products are designed to be used as specified, and are warranted to be free from defects in materials or workmanship. Warranty terms and conditions vary by territory. Please contact your local QUAD Industrial sales office or distributor for complete details. Under no circumstances should you attempt to repair these products. Doing so may limit or void warranty coverage.



## PRODUCT DESCRIPTION

The Concourse D4(T) and D5(T) are premium bi-pole speaker systems designed for distributed music, speech and audio-visual applications. Their unique design incorporates two woofers and two soft-dome tweeters arrayed inside each enclosure to deliver wide dispersion for even coverage and minimal sound level variation. Designed for wall mounting, the D series are available in low impedance and constant-voltage versions.

### Concourse D4

The Concourse D4 is a two-way bi-pole speaker system consisting of two 4" LF drivers and two 1" soft dome tweeters in a ported ABS enclosure. There are nine versions available:

- **Concourse D4W** – White, 4 $\Omega$ , 40 Watts
- **Concourse D4B** – Black, 4 $\Omega$ , 40 Watts
- **Concourse D4G** – Grey, 4 $\Omega$ , 40 Watts
- **Concourse D4-16W** – White, 16 $\Omega$ , 40 Watts
- **Concourse D4-16B** – Black, 16 $\Omega$ , 40 Watts
- **Concourse D4-16G** – Grey, 16 $\Omega$ , 40 Watts
- **Concourse D4TW** – White, 30 Watt  
70/100V transformer included
- **Concourse D4TB** – Black, 30 Watt  
70/100V transformer included

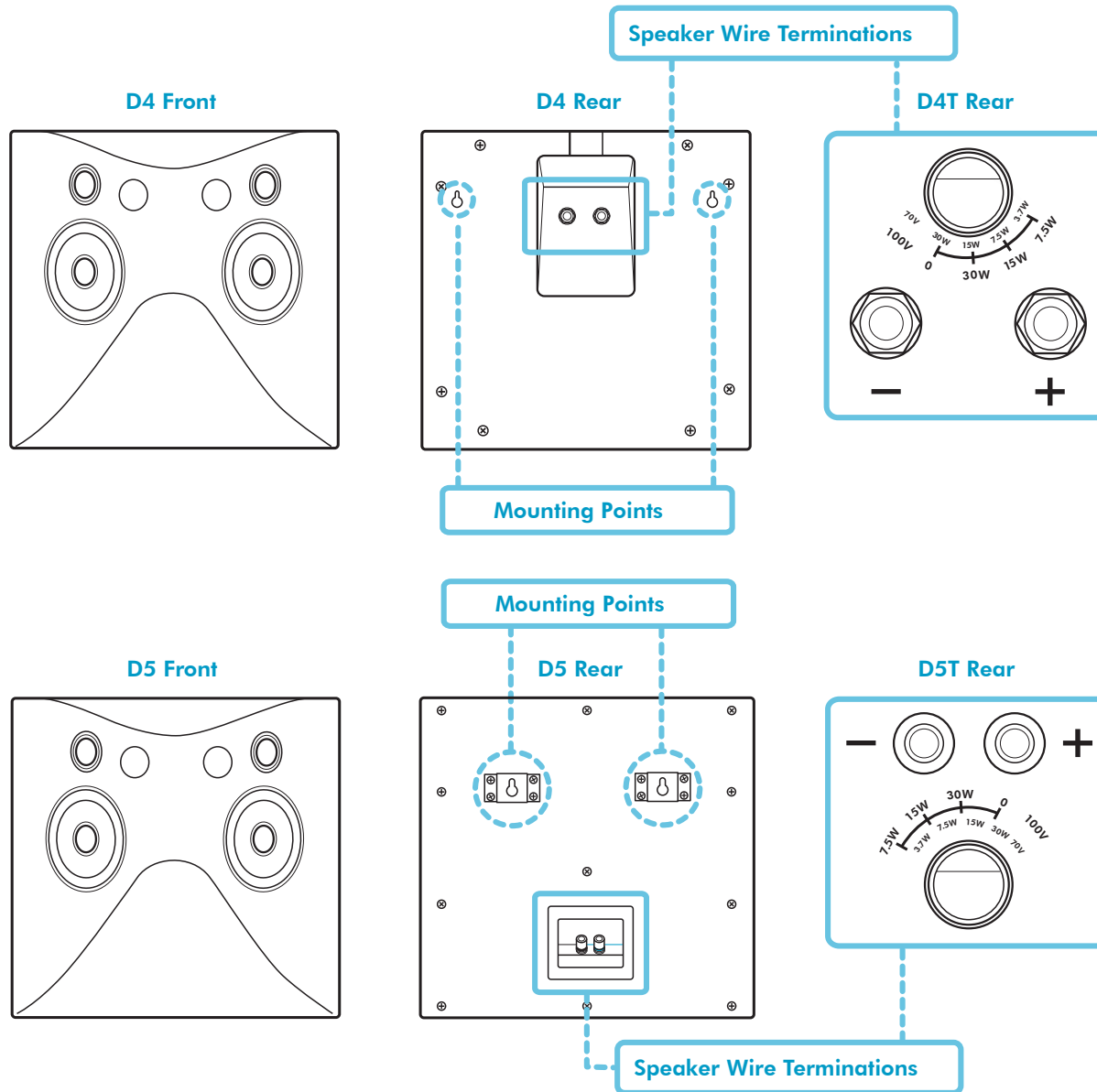
### Concourse D5

The Concourse D5 is a two-way bi-pole speaker system consisting of two 5" LF drivers and two 1" soft dome tweeters in a ported ABS enclosure. There are six versions available:

- **Concourse D5W** – White, 4 $\Omega$ , 60 Watts
- **Concourse D5B** – Black, 4 $\Omega$ , 60 Watts
- **Concourse D5-16W** – White, 16 $\Omega$ , 60 Watts
- **Concourse D5-16B** – Black, 16 $\Omega$ , 60 Watts
- **Concourse D5TW** – White, 30 Watt  
70/100V transformer included
- **Concourse D5TB** – Black, 30 Watt  
70/100V transformer included

## PRODUCT FEATURES

Concourse D4 and D5 models are fitted with binding post terminals for connection to amplifiers. Binding posts accept a variety of wire gauges and are color coded for polarity (Red = Positive). Both models are intended for wall mounted installation using the integral mounting points on the rear of the cabinets.

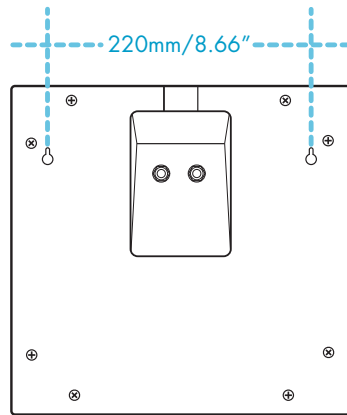


## INSTALLATION

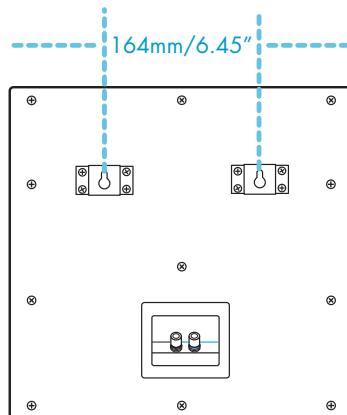
Concourse D speakers are suspended on a suitable wall surface using a pair of screws spaced to mate with the appropriate mounting holes on the rear of each speaker cabinet. Note that the spacing is different for the D4 and D5; ensure that you are using the correct spacing before installing the screws into the wall.

### Step 1

Note the spacing for the model of speaker being installed.



**Concourse D4 Models**



**Concourse D5 Models**

### Step 2

Measure the required screw spacing and mark wall, ensuring that the screws will be level.

### Step 3

Insert two #8 screws into the wall, ensuring that the screws are inserted into solid wall structure or that suitable inserts are used.

### Step 4

Connect wiring and place speaker on screws, ensuring that the speaker is seated correctly.

## CONNECTIONS

Concourse D series models are available in a variety of impedances for use with different types of amplifiers. Before connecting to an amplifier ensure that the speaker's impedance is compatible with the load impedance of the amplifier or damage to the speaker and/or the amplifier could result. Always use a wire gauge that is properly rated for the load and power being applied.

### Low Impedance (4Ω/16Ω) Connections

Concourse D series models are available in either 4Ω or 16Ω low impedance versions. The 4Ω models are generally selected when only one speaker will be connected to a low impedance amplifier channel, allowing for maximum power transfer. 16Ω models are generally selected when up to four speakers need to be connected to one low impedance power amplifier channel. All speaker models are fitted with two color coded binding post terminals for the (+) and (-) incoming amplifier feed.

Speakers may be wired in parallel as shown below. Ensure that the total impedance of connected speakers does not fall below the minimum impedance of the connected amplifier. The following table shows the net impedance when several speakers are combined in parallel.

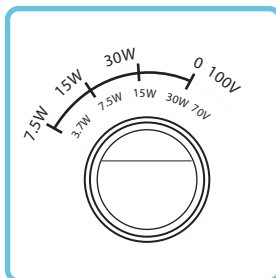
No. of 4Ω Speakers in Parallel	No. of 16Ω Speakers in Parallel	Net Load Impedance
2	8	2Ω
	7	2.29Ω
	6	2.67Ω
	5	3.2Ω
	4	4Ω
	3	5.33Ω
	2	8Ω

### 70/100V Connections

70/100V models use the same binding post terminals as low impedance models for connection of speaker wiring. In addition they are fitted with a rotary switch labeled for various power taps at 70/100V. Note that the power settings are labeled for both 70V and 100V use on the same scale.

Both D4T and D5T models use internal multi-tap 70/100V transformers rated at up to 30 Watts. Power taps available are:

- **70V Line** – 30W/15W/7.5W/3.7W
- **100V Line** – 30W/15W/7.5W



**NOTE:** Do not use the setting labeled (0) with 100V amplifiers as damage to the speaker will result.

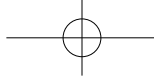
Select the correct power tap by dividing the amplifier's available power by the number of speakers to be connected. Always select the next lower wattage tap. For example:

**200W amplifier ÷ 20 speakers = 10 Watts;  
use the 7.5W terminal**

Individual speakers may be tapped higher or lower in order to better balance the system sound pressure level in different areas. Ensure that the combined power draw does not exceed the rated power of the amplifier or else damage to the amplifier and speakers may occur.

### COMPLIANCE

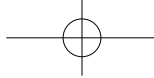
This product is in compliance with CE directives and bears the CE mark. For detailed information on specific directives please contact your local QUAD Industrial sales office or distributor.



## SPECIFICATIONS D4/D4-16/D4-T

<b>Power Handling:</b>	<b>D4</b>	<b>D4-16</b>	<b>D4T</b>
Continuous	40W	40W	70V: 3.7W/7.5W/15W/30W
Program	80W	80W	100V: 7.5W/15W/30W
Peak	160W	160W	
<b>Frequency Response (-10dB):</b>	85Hz–20kHz	80Hz–20kHz	85Hz–20kHz
<b>Frequency Response (+/-3dB):</b>	100Hz–20kHz	95Hz–12kHz	95Hz–12kHz
<b>Sensitivity (@1W/1M):</b>	84dB	84dB	82dB
<b>Max SPL:</b>	105dB	106dB	97dB
<b>Coverage (H x V):</b>	160° x 150°	160° x 150°	160° x 150°
<b>Directivity (DI) (H x V):</b>	6.65	6.65	6.65
<b>Impedance:</b>	4Ω	16Ω	N/A
<b>Regulatory Approvals (9UL, CE):</b>	CE	CE	CE
<b>Transducers:</b>			
LF Driver Size	2x4" Cone	2x4" Cone	2x4" Cone
HF Driver Size	2x1" Soft Dome	2x1" Soft Dome	2x1" Soft Dome
<b>Crossover Frequency:</b>	3.5kHz	3.5kHz	3.5kHz
<b>Enclosure Material:</b>	Plastic (ABS) Wood Back Panel	Plastic (ABS) Wood Back Panel	Plastic (ABS) Wood Back Panel
<b>Connector Type:</b>	Barrier Strip	Barrier Strip	Barrier Strip
<b>Dimensions (H x W x D):</b>	11" x 11.3" x 5.2" 280 x 288 x 132mm	11" x 11.3" x 5.2" 280 x 288 x 132mm	11" x 11.3" x 5.2" 280 x 288 x 132mm
<b>Net Weight:</b>	2.7kg 6lbs.	2.7kg 6lbs.	3.4kg 7.5lbs.

\* Features, details & specifications are subject to change without notice

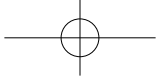


## SPECIFICATIONS D5/D5-T/D5-16

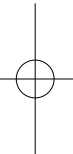
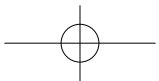
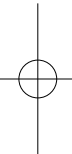
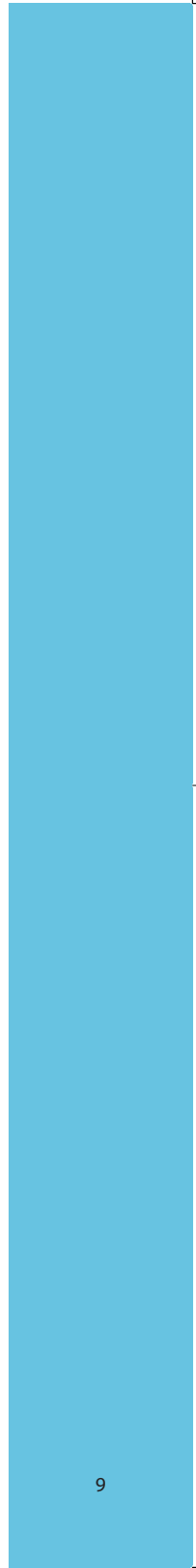
<b>Power Handling:</b>	<b>D5</b>	<b>D5-16</b>	<b>D5T</b>
Continuous	60W	60W	70V: 3.7W/7.5W/15W/ 30W
Program	120W	120W	100V: 7.5W/15W/30W
Peak	240W	240W	
<b>Frequency Response (-10dB):</b>	60Hz–20kHz	60Hz–20kHz	70Hz–20kHz
<b>Frequency Response (+/-3dB):</b>	95Hz–20kHz	90Hz–20kHz	95Hz–12kHz
<b>Sensitivity (@1W/1M):</b>	84dB	84dB	84dB
<b>Max SPL:</b>	107dB	108dB	99dB
<b>Coverage (H x V):</b>	80° x 60°	80° x 60°	80° x 60°
<b>Directivity (DI) (H x V):</b>	7.18	6.45	7.18
<b>Impedance:</b>	4Ω	16Ω	N/A
<b>Regulatory Approvals (9UL, CE):</b>	CE	CE	CE
<b>Transducers:</b>			
LF Driver Size	2x5" Cone	2x5" Cone	2x5" Cone
HF Driver Size	2x1" Soft Dome	2x1" Soft Dome	2x1" Soft Dome
<b>Crossover Frequency:</b>	3kHz	3kHz	3kHz
<b>Enclosure Material:</b>	Plastic (ABS) Wood Back Panel	Plastic (ABS) Wood Back Panel	Plastic (ABS) Wood Back Panel
<b>Connector Type:</b>	Barrier Strip	Barrier Strip	Barrier Strip
<b>Dimensions (H x W x D):</b>	13.8" x 14.3" x 6" 350 x 363 x 160mm	13.8" x 14.3" x 6" 350 x 363 x 160mm	13.8" x 14.3" x 6" 350 x 363 x 160mm
<b>Net Weight:</b>	4kg 8.8lbs.	4kg 8.8lbs.	4.7kg 10.3lbs.

\* Features, details & specifications are subject to change without notice





NOTES:

A series of 22 horizontal lines, evenly spaced, extending across the width of the page, intended for handwritten notes.

**USA CONTACT:**

ph +1.877.440.0888

ph +1.425.861.3909

fx +1.425.861.3906

**UK CONTACT:**

ph +44 (0) 845 4580011

ph +44 (0) 1480 447700

fx +44 (0) 1480 431767

**OUTSIDE USA & UK:**

ph +86 (0) 755 8209 6639

fx +86 (0) 755 8209 0203

**WEB:**

[www.quadindustrial.com](http://www.quadindustrial.com)

**FOR THE CLOSEST APPROACH TO THE ORIGINAL SOUND**

© 2006 QUAD Industrial. QUAD Industrial is a member of the International Audio Group. IAG America Inc. 8440 154th Avenue NE · Redmond, WA 98052

