

## TECHNICAL DATA

# CCM5-P

Point Source two-way Coaxial speaker

**HF Driver:**

Neodymium tweeter with soft dome diaphragm

**LF Driver:**

130mm Woofer featuring Lightweight paper cone and High-power, long-throw magnet systems

**Power Handling:**

100W max (undistorted music program)

**Frequency Range:**

+/- 3dB from 80Hz to 20kHz (on wall)

**Sensitivity:**

1 W/1m 88dB

**Nominal Impedance:**

8 Ohm (6 Ohm minimum)

**Speaker design:**

Vented high absorbency, low resonance enclosure

**Terminals:**

Gold-plated 4-way binding posts

**Dimensions:**

240 x 400 x 75mm (W x H x D)

# CCM6-P

Point Source two-way Coaxial speaker

**HF Driver:**

Neodymium tweeter with soft dome diaphragm

**LF Driver:**

165mm Woofer featuring Lightweight paper cone and High-power, long-throw magnet systems

**Power Handling:**

300W max (undistorted music program)

**Frequency Range:**

+/- 3 dB from 80Hz to 20kHz (on wall)

**Sensitivity:**

1 W/1m 93dB

**Nominal Impedance:**

8 Ohm (6 Ohm minimum)

**Speaker design:**

Vented high absorbency, low resonance enclosure

**Terminals:**

Gold-plated 4-way binding posts

**Dimensions:**

260 x 440 x 88mm (W x H x D)

**ASCENDO**

ELEVATE YOUR SOUND



**CCM5-P**  
**CCM6-P**

**PASSIVE MONITORS**

Coaxial Cinema Series

On Wall & On Ceiling Speakers

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**OWNER'S MANUAL**

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Marking by the "CE" symbol indicates compliance of this device with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community.



This product must be returned to the separate collection system for electronic products. Do not dispose this product together with general household waste.

The information contained in this manual is subject to change without prior notice. The most current version of this manual is available on our official website at: [www.aia-cinema.com](http://www.aia-cinema.com)

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## **CONGRATULATIONS** on choosing the Ascendo's CCM5-P or CCM6-P On Wall & On Ceiling Loudspeakers.

These powerful point source coaxial two-way loudspeakers feature soft dome tweeter diaphragm technology with strong Neodymium magnet material and are capable of outstanding performance. Please take a few moments to read this manual. The advice it contains will enable you to get the very best performance out of your Acoustic Energy loudspeakers.

### **UNPACKING AND MAINTENANCE**

Your speaker should be treated with the same care you would treat a piece of furniture. Use only a piece of soft cloth and a small quantity of warm soapy water to clean the loudspeakers. Avoid touching the cone of the bass unit or treble dome since this may leave a finger mark or even damage the dome and spoil its performance. After unpacking, we suggest you retain all packing material for future transports.

### **RUNNING-IN PERIOD**

The performance of the speaker will change subtly during the listening period.

Please allow your new speakers to play about 50 hours of music at normal listening level before doing any critical listening.

### **ROOM POSITIONING**

The performance of a loudspeaker system in a room varies greatly with its placement. Those speakers are designed for On Wall or On Ceiling mount to take advantage of the so-called boundary gain obtained in the bass notes. The speakers must be installed hanging on the wall or ceiling. *You will experience the most accurate sound picture if you listen from a position halfway between the loudspeakers.* This holds also true using the speakers as object-based Dolby Atmos® Ceiling or Surround speakers. Objects in the direct sound path can disturb the coherence of the sound picture. Try out different positions before deciding on a final arrangement.

### **MOUNTING**

The CCM5-P and CCM6-P speakers possess three mounting options. They have "keyholes" on the back side to allow hanging them on the wall, they have two "through" mounting holes, to allow for flat On-Wall or On Ceiling mount and they possess a "VESA" 100 Mounting option to use a standard VESA mount. Because the speaker is a vented design, it must be mounted in a way that allows a free air flow from the port.

### **FRONT CLOTH PANEL**

The CCM5-P and CCM6-P speaker comes with a magnetic attached front mounted frame, covered with acoustic transparent cloth. The covers can be easily removed by pulling them away.

### **NOTE!**

The CCM5-P and CCM6-P should be installed on a wall or on a ceiling for best performance. The full sound performance of these speakers is obtained, when they are wall/ceiling mounted by taking advantage of the boundary gain giving them extended low frequency performance.

Please note: As of September 2020, a new in Wall Mounting kit becomes available as optional accessory. Please consult with your ASCENDO dealer.

### **CONNECTIONS**

Make sure to turn off all amplifiers before connecting your new speaker to your system.

Connect the cable to the terminals. Use the marking of the cable to ensure that the red or "+" mark of the amplifier is connected to the "+" side of the terminal, also marked with red.

We recommend high quality loudspeaker cables. Ask your dealer or Installer for the best cables suiting your needs.

### **POWER HANDLING**

ASCENDO recommends using amplifiers with a high dynamic power range. The most important thing is, that the amplifier has sufficient power reserves for handling peaks and transients present in the music signal. The power rating figure of a loudspeaker depends mostly on the clean power provided by the amplifier. A power rating of e.g. 100W RMS says only that you can play a continuous tone of 1kHz at this output. It does not mean that you can turn the volume all the way up on a 100W amplifier and expect clear sound and healthy speakers.

The greatest danger to a loudspeaker is distorted or clipped amplifier signals. Distorting amplifiers produce overtones in the entire spectrum, with a high energy that can easily damage the speaker units. Because a more powerful amplifier can play without producing distortion on the output, we have the paradox here, it is a greater risk to damage speakers by playing loud with a smaller amplifier.

### **CAUTION!**

If you hear distortion when you increase the volume this is normally a sign of overloading the amplifier or the speaker and you should immediately reduce the output level to not damage the speakers permanently. Use of loudness, bass or treble boost controls increases the risk of overloading the amplifier. We recommend that you use these controls with great care.

### **SERVICE**

Shall your ASCENDO loudspeaker system require service, or if you have difficulty in achieving the rightfully expected fine performance of which your ASCENDO loudspeaker systems are capable of, consult your dealer that has the knowledge required, to provide expert advice and assistance. In case the ASCENDO dealer is unable to assist you, you are welcome to contact the ASCENDO Technical Department at: [info@aia-cinema.com](mailto:info@aia-cinema.com)

### **WARRANTY CONDITIONS**

This product is covered by warranty, depending on the conditions in the country where it is sold. If the speaker is returned for service, please include the original dated receipt with the product. This warranty is valid only in the country of purchase, to the original purchaser and is non-transferable.

ASCENDO loudspeakers are movie and music listening devices and should be used for listening purposes only. They must not be connected to any other equipment than audio amplifiers within the specified power range.

ASCENDO cannot be held responsible for damage or injuries caused by improper mounting, use and the speaker being used in violation with the recommendations and warnings in this manual packaged with the speakers.