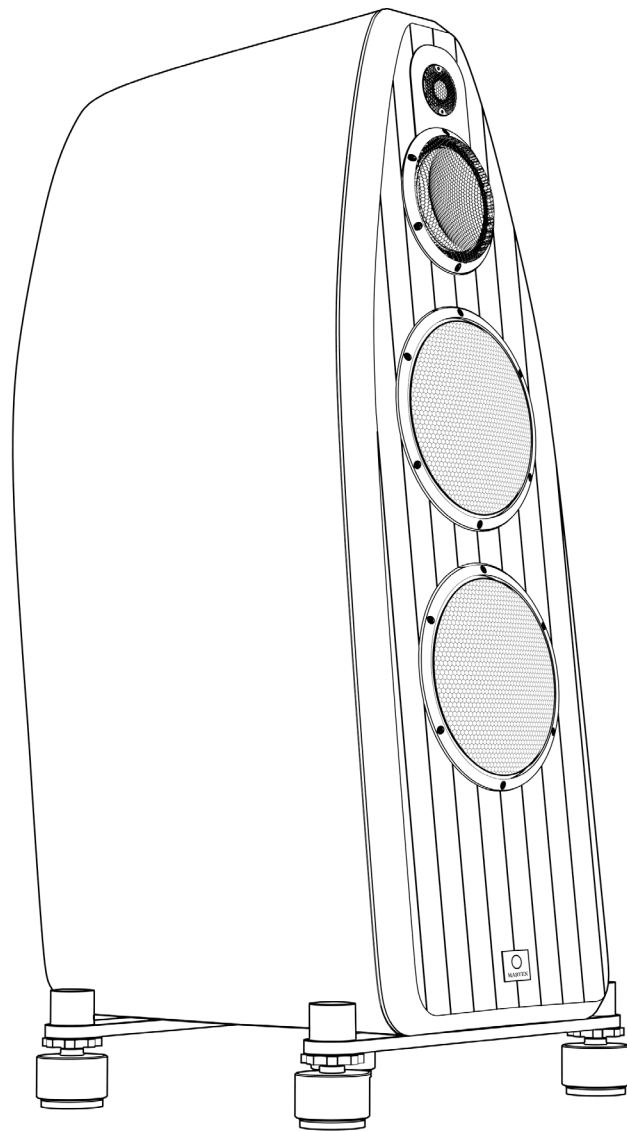


# Coltrane 3

OWNERS MANUAL

Serial number



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## Welcome

Thank you for choosing Coltrane 3.

We've spent years engineering the sound of this loudspeaker to offer true musicality. Coltrane 3 presents a balance of intuitive design and technological expertise. The result is music as it should be, with vivid dynamics and a detailed sound stage.

Our aim has always been to recreate sound as it was recorded - bringing you closer to the live energy and spirit of music.

For this level of detail, it's important to ensure that your system is of equal match to your loudspeakers. Your amplifier, source components, cables and even recordings can affect the sound of Coltrane 3.

It's vital to set-up your loudspeakers correctly and adjust them to your listening environment. There are many factors to think about, but careful consideration at this stage will ensure optimum performance that you can enjoy for many years to come.



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## Unpacking

Coltrane 3 is packed in 2 black flight cases. Please check the contents when you receive your loudspeakers. If the shipping box does not arrive in its original state, please contact your dealer immediately.

**We recommend that at least two people unpack and assemble the loudspeakers.**

### Contents

2 x Coltrane 3 loudspeaker  
8 x Marten Isolators  
4 x Terminal jumpers (for single wiring)  
1 x Owner's manual  
1 x CD / USB

Unpack your loudspeakers carefully, as there are sensitive parts that could be damaged. We suggest that you keep the box and inserts for later transportation of your loudspeakers.

### How to unpack

1. Take the lid off the crates close to the intended listening position
2. Remove the foam material and the accessory case (at the bottom of the loudspeaker)
3. Tilt the shipping box up
4. Fold out the ramp
5. Release the brakes on the wheels
6. Roll out the loudspeaker using the ramp
7. Remove the cloth cover from the loudspeaker
8. Move the loudspeaker to its intended listening position
9. Lock the brakes on the wheels
10. Change the wheels to Marten Isolators
  - 10.1 Lift right-side of speaker
  - 10.2 Unscrew both wheels
  - 10.3 Screw Isolators into the stand as far as possible without over-tightening
  - 10.4 Lower the speaker
  - 10.5 Repeat steps 10.1 - 10.4 for the left-side of the speaker
  - 10.6 Adjust each Marten Isolator to ensure the speaker is level
  - 10.7 Rotate each Marten Isolator so the Marten logo faces forwards
  - 10.8 Tighten nuts to fix the position of each Marten Isolator



## Initial setup

Your newly unpacked Coltrane 3 loudspeakers need considerable playing time in order to reach their optimum performance.

We recommended the use of the burn-in track (CD/USB) to speed up this process. Due to the high-tech materials used in the drivers, Coltrane 3 may sound a bit harsh at first. After approximately 50 hours of playing your loudspeakers will sound much better. After about 200 hours of playing, your system will be optimised; the sound will be more open, detailed and display more natural musical warmth.

### **Burning-in your loudspeakers**

1. Connect the loudspeakers to your system
2. Put the CD in your CD player *or* use the files on the USB drive
3. Choose track 1 and set it on repeat
4. Set the volume to a moderate level

Please allow the audio to run for a minimum of 24 hours before adjusting the placement of the loudspeakers in your listening room.



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## Connecting your loudspeakers

To get the most of Coltrane 3 please consider the following when connecting them to your system.

### Choosing cables

The cables you use can have a dramatic effect on the sound of your loudspeakers. Be sure to use the same brand, type and length of cable for each channel. Mixing different types and/or lengths of cable can upset the precise timing and balance of your loudspeakers.

### Wiring method

Coltrane 3 is designed with bi-wiring in mind. If you prefer bi-amping, we recommend that you use the same type of cable for the best sound reproduction. For single-wire applications please use the enclosed jumpers.

### Connections

Always turn off the power of your entire system before making connections to your speakers.

We recommend using an amplifier with sufficient power: typically a minimum of 40 watts.

On the back of each Coltrane 3 cabinet, you will find two pairs of WBT Nextgen terminals that will accept any standard connections.

In order to obtain the best localisation of instruments and voices, as well as deep, natural bass, it is important to connect your loudspeakers in-phase. The connectors on the speakers are clearly marked with + (red) and - (white) symbols. Your amplifier and loudspeaker cables should also be clearly marked. Keep all markings consistent to ensure in-phase connections.

It is important to make sure that contact to the terminals is good and the connectors are tight. Tighten the terminal posts and then, after a few days, retighten to make sure that the connections haven't become loose.



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## Room acoustics

A good listening room has just the right amount of reflection and absorption.

The performance of any loudspeaker depends on the speaker's location in the room and the acoustic conditions in that part of the room. Furnishings, size and proportions all affect tonal balance, imaging and bass characteristics. Large areas of glass, mirror, or wood panelling will reflect sound waves and often result in brittleness and extreme brightness. You can correct this by breaking up these sound waves with softer surfaces like curtains or wall hangings - try to create random reflections.

Allow time to experiment with the placement of your speakers - effort at this stage will reward you with good sound optimisation in your room.



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## Positioning

Every room is shaped and decorated differently and therefore presents unique requirements for the positioning of loudspeakers.

### Loudspeaker placement

Your loudspeakers will function at their best when placed on a flat, stable surface. Ideally, the space between the loudspeakers should be clear and the speakers should be centred on the rear wall. We recommend experimenting with the placement of your loudspeakers in order to obtain the best balance, openness and perception of depth.

### Rear and side walls

For the best results, Coltrane 3 should be no closer than 80cm (31.5") from the rear wall. Marten loudspeakers should not be placed close to a side wall, as reflections from these can disturb the depth of the sound image.

### Listening distance

The listening distance should be no closer than 3m, but preferably 3.5m or greater.

### Focusing your loudspeakers

Coltrane 3 loudspeakers deliver excellent imaging. To make the most of this, the loudspeakers should be toed in towards the listening area to focus the sound.

Ideally, your listening position and each loudspeaker should form an equilateral triangle. The goal is to have a balanced sound. Track 2 of the enclosed CD / USB can be used to help focus the soundstage. With this track, you should be able to place the recorded voice in the centre of your speaker arrangement.

The amount of toe-in will depend on the room environment and dimensions, as well as your listening preferences. Take time to experiment with your listening position and the position of your loudspeakers. This will give you a more precise sound image.

### Bass-adjustment

On the back of each Coltrane 3 loudspeaker, you will find a dial that will allow you to adjust the bass by 1 dB in four steps. Rotating the knob clockwise increases the sensitivity, and rotating it anti-clockwise decreases the sensitivity.



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## Enclosed CD / USB

The enclosed CD and USB contains tracks to help you set up your loudspeakers. There are also three tracks purely for your listening pleasure; these were recorded in our studio in Gothenburg, Sweden.

You can also download these files from [marten.se/audiofiles](http://marten.se/audiofiles)

1. Burn-in track\*
2. The Look Of Love\*\* - Jeanette Lindström & Steve Dobrogosz
3. Blue In Green - Tommy Kotter
4. I Can't Believe He Never Said Goodbye - Åsa Tåhlin, Mitch Hiller & Peter Axelsson
5. Lady's A Tramp - Mitch Hiller & Peter Axelsson

\* Use to burn-in your loudspeakers

\*\* Use to focus your loudspeakers

From the CD "Feathers" © 2000, PROPHONE RECORDS AB.

For more information visit [www.prophonerecords.se](http://www.prophonerecords.se)

≡ **PROPHONE** ≡

## Care of your loudspeakers

Marten loudspeakers require no special treatment apart from careful handling, as you would with any high-tech product in your home.

Because many different materials are used in the making of the loudspeakers, all-in-one cleaning materials should not be used. Never use abrasive materials or cleaning fluids.

The cabinet and other parts should only be cleaned with a soft, dry cloth or one slightly dampened with water.



## Service

Never attempt to open the unit's case.

Refer all servicing to qualified service personnel. In the event your loudspeakers need to be serviced, please contact your dealer. They can decide whether the problem can be remedied locally or if they need to contact Marten for service.

## Warranty

Marten provides a transferable, limited manufacturer's warranty.

This warranty covers faults or defects in material or production only. Damage caused by abuse, misuse, or by the use of defective electronics is not covered by warranty.

### Warranty exclusions

- Transportation damage, visible or hidden  
*Damage should be reported immediately to the transport company. Registration of the complaint should be sent to the Marten distributor*
- Scratches in paint, wood, metal, or carbon surfaces  
*Complaints should be made to the dealer within three days of delivery*
- Damage due to illicit handling and inappropriate use
- Transportation costs to service facilities or factory
- Damage through unauthorised repair and/or modification
- Subsequent damage to other appliances
- Refund of costs in case of unauthorised repair
- Malfunction caused by use for commercial or professional purposes
- All claims on Marten products obtained through unauthorised sources, with or without correct serial numbers

Please contact your local Marten dealer for more information about warranties.

## Compliance

The marking of the "CE" symbol indicates compliance of this device with the EMC and LDV standards of the European Community.



## Technical specifications

### Frequency range

20-60000 Hz +-2dB

### Power rating

350 W

### Sensitivity

88 dB / 1 m / 2.83V

### Impedance

6 ohm (3.7 Ohm min)

### Type

3-way bass reflex

### Drive units

1 x 1" diamond

1 x 7" ceramic

2 x 10" aluminium sandwich

### Crossover frequency

First order: 320 & 3800 Hz

### Terminals

WBT Nextgen Bi-wire

### Internal wiring

Jorma (optional Statement)

### Cabinet

25 mm:s carbon fibre laminate cabinet

68 mm laminated wood/aluminium front: Warm Grey, Dark

Grey, Dark Gold, Silver, Matte Oak, Matte Walnut and Piano Black

### Stands

Mirror polished stainless steel with Marten Isolators

### Dimensions (WxHxD)

39.5 x 122 x 64 cm (15.5" x 48.0" x 25.2")

### Net weight

87 Kg (184 lbs)



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