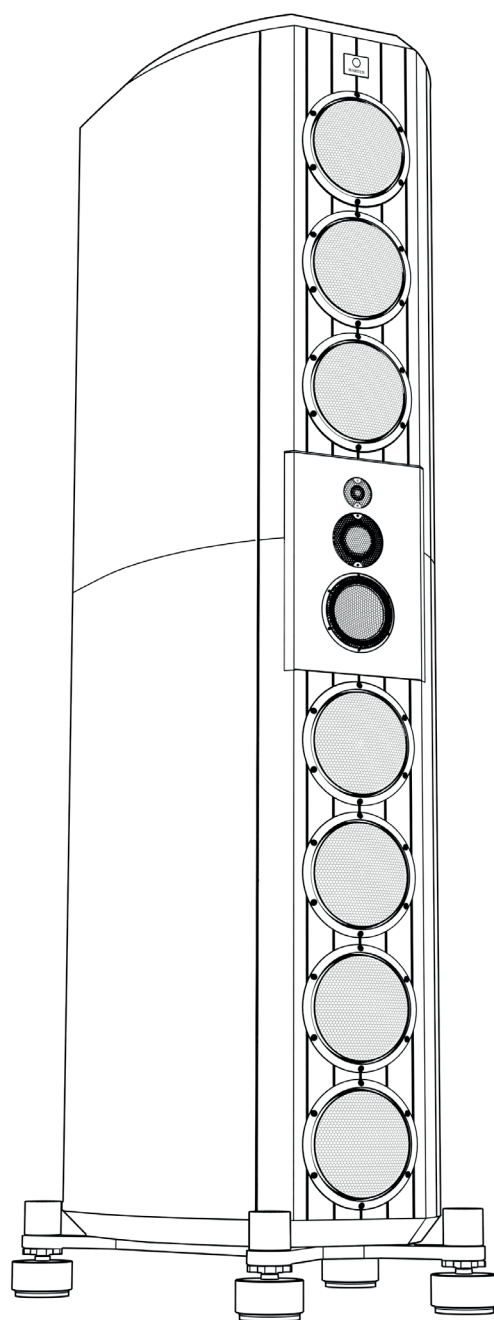


Coltrane Supreme 2

OWNERS MANUAL

Serial number



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Welcome

Thank you for choosing Coltrane Supreme 2.

We've spent years engineering the sound of this loudspeaker to offer true musicality. Coltrane Supreme 2 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 Supreme 2.

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 Supreme 2 is packed in 5 crates:

2 x base units

2 x top units

1 x mid/high units and accessories

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 five people unpack and assemble the loudspeakers.

Contents

2 x Coltrane Supreme 2 base units

2 x Coltrane Supreme 2 top units

2 x Coltrane Supreme 2 mid/high units

8 x Marten Isolators

4 x terminal jumpers (for connection between base and top unit)

4 x terminal jumpers (for single wiring)

1 x allen key

1 x screwdriver torx T15

4 x M10 allen bolts incl 8 pcs washers

16 x torx T15 black screws

1 x jack

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.



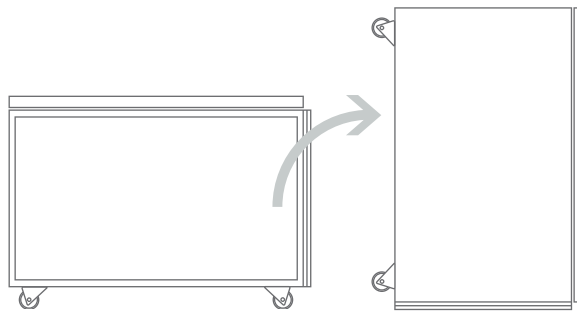
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Unpacking

How to unpack

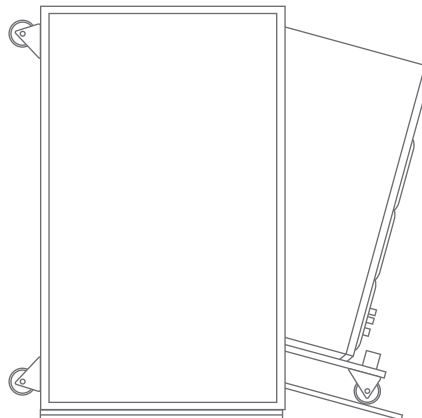
1. Roll the crates close to the intended listening place making sure you have the left and right cabinet components correctly positioned
2. Open each crate carefully to avoid damage to the contents
3. Turn the crate containing the right base unit on its side so the wheels face outwards (fig a)

fig a



4. Remove the lid
5. Pull out and lower the ramp
6. Unlock the wheels of the unit and slide it out of the crate (fig b)

fig b

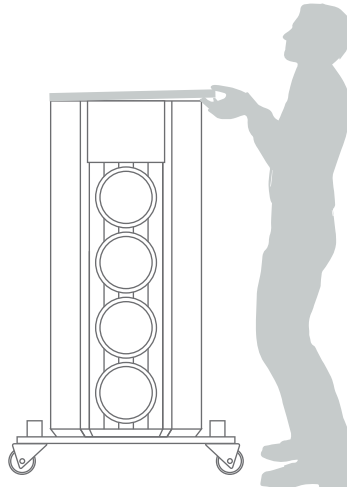


7. Lock the wheels to fix the position

Unpacking

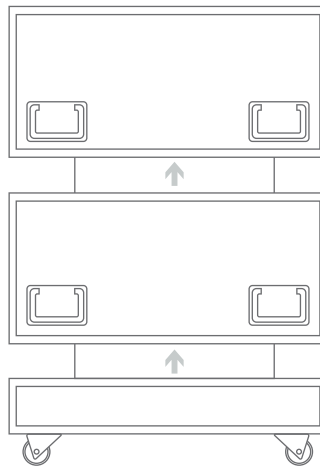
8. Remove the foam from the lid of the accessory crate and place it on top of the base unit to protect it from damage from the heavy top unit (fig c)

fig c



9. Lift the top unit out of its crate. (fig d)

fig d

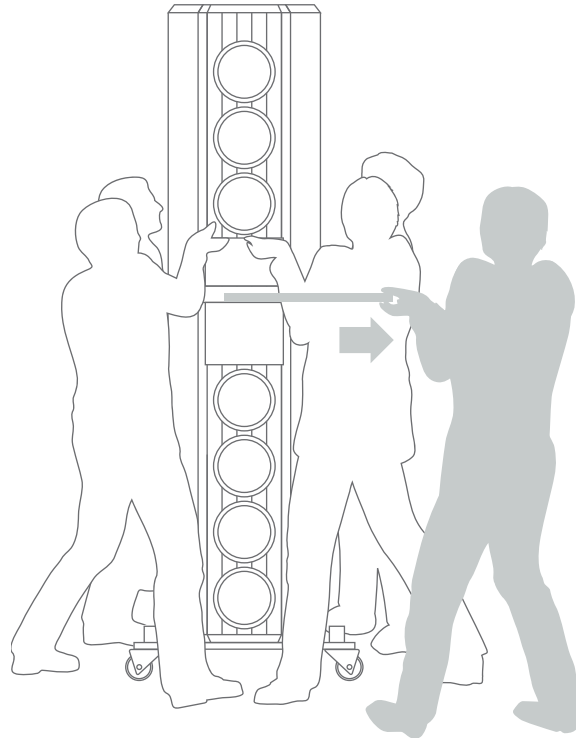


10. Place it on top of the foam on the base unit

Unpacking

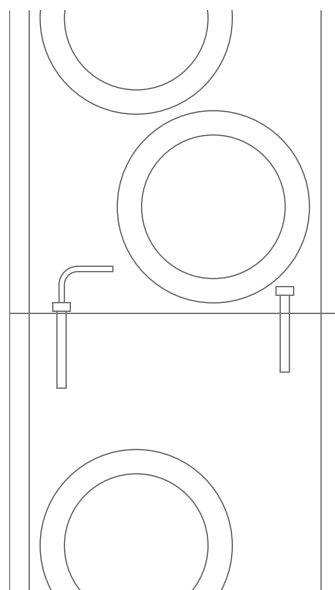
11. Lift the top unit enough for the fifth person to pull the foam out and carefully lower the top unit onto the base unit (fig e)

fig e



12. Using the larger allen key, loosely screw two M10 bolts including two washers into the holes inside the top unit (fig f)

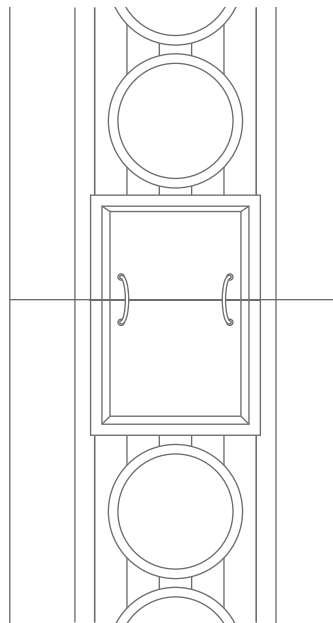
fig f



Unpacking

13. Adjust the top unit so that it's aligned with the base unit and tighten the bolts inside the top unit
14. Screw the passive driver (accessory crate) for each speaker tower into place with 8 x black Torx screws per driver
15. Connect the jumpers tightly between the base and top unit. You will find the terminals inside the hole designed for the mid/high unit (fig g)

fig g



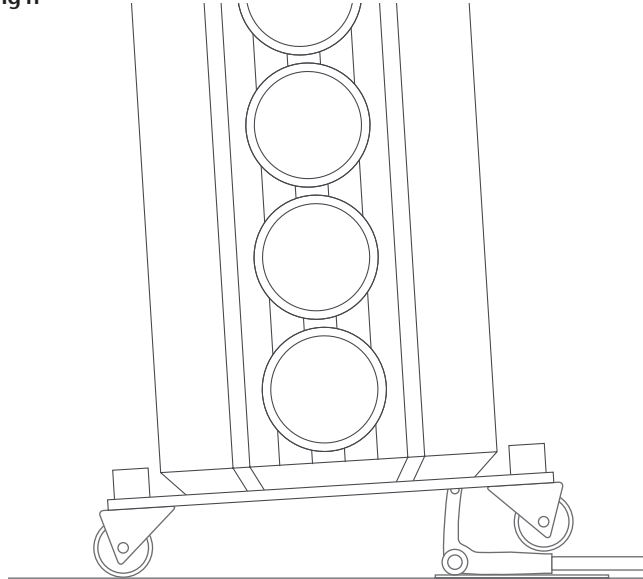
16. Repeat steps 3 - 15 for the left hand cabinet
17. Take the metal mid/high units out of their packaging and place one in front of each loudspeaker tower
18. With one person holding the mid/high unit carefully in front of the loudspeaker tower connect the six (6) cables to the terminals of the unit. The cables are marked: Mid-range, Low tweeter and High tweeter. *It's very important to connect the cables correctly by using the markings.*
19. Slide the mid/high unit carefully into the cavity making sure the cables are not in the way
20. If necessary, slide out the mid/high unit for adjustment of the three base cones for perfect alignment
21. When both loudspeakers are assembled, unlock the wheels so you can listen and adjust the position for the ideal focus and imaging
22. When you have reached your ideal position lock the wheels

Unpacking

23. Change the wheels to Marten Isolators

- 23.1 Using the jack, lift the right-side so the wheels are raised just off the floor. *The jack should be positioned closer to the front than the back and beneath the wooden part of the loudspeaker bottom, not the stainless steel base (fig h)*

fig h



23.2 Unscrew both wheels

- 23.3 Screw Isolators into the stand as far as possible without over-tightening

23.4 Lower the speaker with the jack

- 23.5 Repeat steps 23.1 - 23.4 for the left-side of the speaker

23.6 Adjust each Marten Isolator to ensure the speaker is level

- 23.7 Rotate each Marten Isolator so the Marten logo faces forwards

23.8 Tighten nuts to fix the position of each Marten Isolator

Initial setup

Your newly unpacked Coltrane Supreme 2 loudspeakers need considerable playing time in order to reach their optimum performance.

We recommend 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 Supreme 2 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 Supreme 2 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 Supreme 2 are 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 60 watts.

On the back of each Coltrane Supreme 2 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 Supreme 2 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 Supreme 2 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 Supreme 2 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

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

≡ **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

18-100000 Hz +-2dB

Power rating

500 W

Sensitivity

91 dB / 1 m / 2.83V

Impedance

6 ohm (3.2 Ohm min)

Type

5-way

Drive units

1 x 0.75" diamond

1 x 2" diamond

1 x 5" ceramic

7 x 8" alu sandwich

6 x 10" passive sandwich

Crossover frequency

First order: 120, 450, 3500 & 8000 Hz

Terminals

WBT Nextgen Bi-wire

Internal wiring

Jorma Statement

Cabinet

25mm:s carbon fibre laminate sides

70mm solid laminated wood front, back, top and bottom:

Matte Walnut, Matte Cherry, Matte Maple and Matte Oak

Stands

Mirror polished stainless steel with Marten Isolators

Dimensions (WxHxD)

54 x 200 x 59cm (21.2 x 78.8 x 23.2")

Net weight

270 Kg (600 lbs)



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