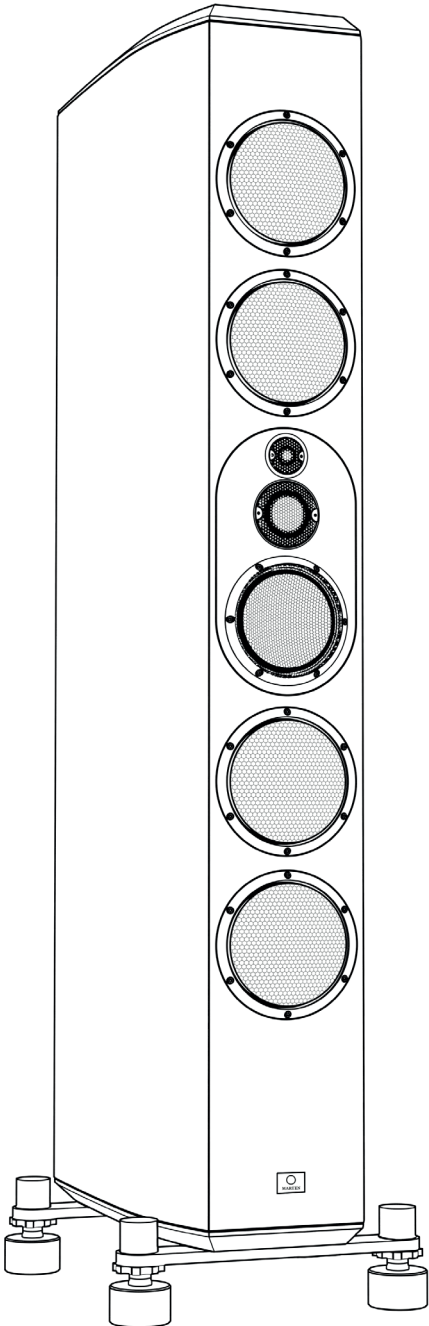


Mingus Orchestra

OWNERS MANUAL

Serial number



Welcome	3
Unpacking	4
Contents	
How to unpack	
Initial setup	5
Burning-in your loudspeakers	
Connecting your loudspeakers	6
Choosing cables	
Wiring method	
Connections	
Room Acoustics	7
Positioning	8
Loudspeaker placement	
Rear and side walls	
Listening distance	
Focusing your loudspeakers	
Bass-adjustment	
Enclosed CD / USB	9
Care of your loudspeakers	
Service	10
Warranty	
Compliance	
Technical Specifications	11

Welcome

Thank you for choosing Mingus Orchestra.

We've spent years engineering the sound of this loudspeaker to offer true musicality. Mingus Orchestra 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 Mingus Orchestra.

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

Mingus Orchestra 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 Mingus Orchestra 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. Tilt the shipping box up
3. Fold out the ramp
4. Release the brakes on the wheels
5. Roll out the loudspeaker using the ramp
6. Remove the cloth cover from the loudspeaker
7. Move the loudspeaker to its intended listening position
8. Lock the brakes on the wheels
9. Change the wheels to Marten Isolators
 - 9.1 Lift right-side of speaker
 - 9.2 Unscrew both wheels
 - 9.3 Screw Isolators into the stand as far as possible without over-tightening
 - 9.4 Lower the speaker
 - 9.5 Repeat steps 9.1 - 9.4 for the left-side of the speaker
 - 9.6 Adjust each Marten Isolator to ensure the speaker is level
 - 9.7 Rotate each Marten Isolator so the Marten logo faces forwards
 - 9.8 Tighten nuts to fix the position of each Marten Isolator



Initial setup

Your newly unpacked Mingus Orchestra 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, Mingus Orchestra 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 Mingus Orchestra 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

Mingus Orchestra 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 Mingus Orchestra 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, Mingus Orchestra should be no closer than 80 cm (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

Mingus Orchestra 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 Mingus Orchestra 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.

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

22-100000 Hz +-2dB

Power rating

450 W

Sensitivity

89 dB / 1 m / 2.83V

Impedance

6 ohm (3.1 Ohm min)

Type

4-way

Drive units

1 x 0.75" pure diamond

1 x 2" pure diamond

1 x 7" pure ceramic

4 x 8" alu sandwich

4 x 10" passive alu sandwich

Crossover frequency

First order: 350, 3800 & 8000 Hz

Terminals

WBT Nextgen Bi-wire

Internal wiring

Jorma (optional Statement)

Cabinet

25-42 mm fibre laminate Piano Black

with solid Zebrano wood top and bottom

Stands

Mirror polished stainless steel with Marten Isolators

Dimensions (WxHxD)

29 x 171 x 42 cm (11.4" x 67.3" x 16.5")

Net weight

130 Kg (288 lbs)



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