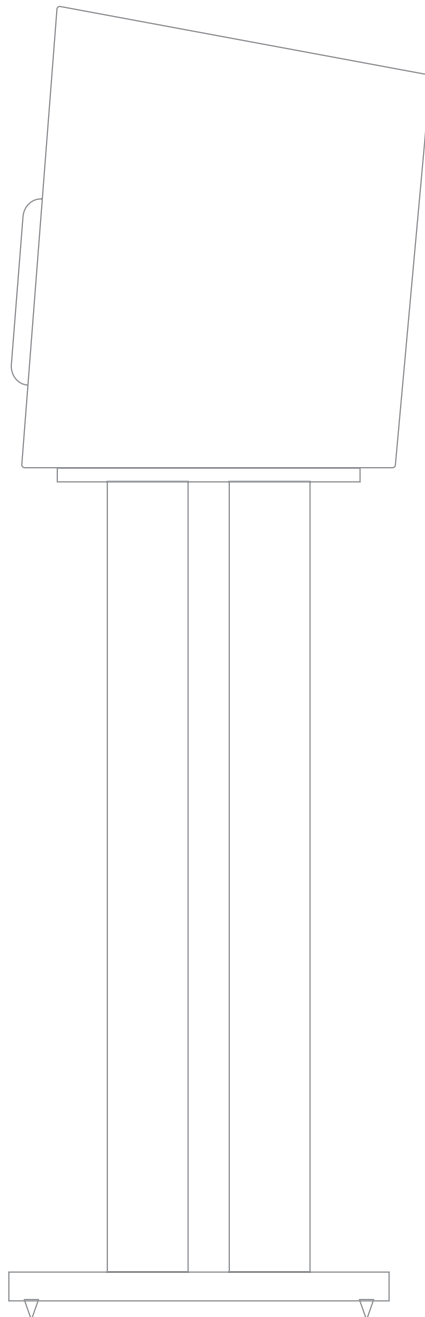




DUKE 2

Owners manual





MARTEN

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Introduction

Congratulations! You are now the proud owner of a pair of Marten loudspeakers.

At the forefront of current designs, the loudspeakers will reveal the full emotional range of music with vivid dynamics and detail. Properly installed, they will give you many years of listening pleasure.

To realize the highest sound quality, some important topics will be addressed in the following pages. By following these suggestions, you will be able to enjoy sound that only a pair of Marten loudspeakers can deliver.

As a Marten loudspeaker owner, you are always welcome to our visitor centre, where, in a relaxed environment, you can listen to our full range of products.

Marten Philosophy

Marten loudspeakers are extremely sensitive instruments, and will give you many enjoyable musical moments.

The Marten loudspeakers create certain demands on the accompanying hi-fi equipment, the burn-in process, and the placement of the speakers in the listening room. Even small changes in any of these areas can change the sound considerably.

The sound and musicality of Marten loudspeakers depend upon such factors as your choice of cables and source components. Even the quality of the recordings matters.

The loudspeakers will reproduce, in extremely high detail, the slightest imperfection in recordings and in stereo systems.

The pure, present, detailed sound image and musicality of a Marten loudspeaker defines high end. Emphasis is not only put on great sound, but on design as well. The loudspeakers are easily integrated into any living environment.



Unpacking

When you first receive your loudspeakers, you should make sure that the shipping box is in its original state. If that is not the case, please contact your dealer.

Unpack the loudspeaker carefully, as there are several parts that can be damaged. We suggest that you keep your box and inserts. As you may need them for transporting your loudspeakers when moving etc.

Make sure that each of your shipping boxes contains the following:

2 pcs Duke Loudspeakers
1 pcs Owner's Manual

- Open the shipping boxes close to the intended listening place.
- Make sure that the box is placed upon a firm but soft surface.
- Open the box, carefully as you might scratch the speaker
- Raise the shipping box to a standing position, and slide speaker out of the box.
- Tilt the speaker over, bottom facing up.
- Remove the packing material from the bottom.
- Raise the loudspeaker upright.
- Remove the remaining cloth material from the loudspeaker.
- Carefully place the speaker on its intended place

Quick Setup

Your loudspeakers need quite a bit of playing time in order to reach their maximum performance.

The use of the burn-in CD enclosed with the loudspeakers is recommended to speed up this process. Follow these steps:

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

The CD should be played for a minimum of 24 hours before attempting to adjust the loudspeaker placement.

For more in-depth information about this process, please refer to the section about burn-in.



Connecting the oudspeakers

To make the most of your Duke loudspeakers, please consider the following suggestions:

Choice of cable

The impact loudspeaker cables can have on the sound is dramatic. Be sure to use the same brand, type, and length of cable on each channel.

Mixing different types and/or lengths of cable can upset the precise timing and balance of your loudspeaker.

Connections

At the back of your loudspeaker, you will find one pair of terminals that will accept any standard connection. Whatever type of connection you use, make sure that the contact is tight, and have a proper contact area. Tighten the posts, and then retighten after a few days to make sure that the connections haven't loosened.

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 50 watts).

In order to obtain the best localization of instruments and voices, as well as the deepest, most natural bass, it is important to connect your loudspeakers in phase (which means that the drivers are moving in and out in the same direction and at the same time). The connectors on the speakers are clearly marked, and those on your amplifier and speakers cables should be also be marked. Keep all markings consistent in order to ensure in-phase connections.



Burn-in

The higher the quality of a loudspeaker system, the more demanding it will be regarding burn-in time. Your newly unpacked loudspeakers need quite a bit of playing time to reach their optimum performance capability.

We have enclosed a CD to help you speed up this process. Please allow the CD to be run for a minimum of 24 hours before attempting to adjust the placement of the loudspeakers in your listening room.

Due to the high-tech materials used in the drivers, the loudspeakers will sound a bit harsh in the beginning, but after 50 hours of playing your loudspeakers will start to sound good.

After about 200 hours of playing, your system will be optimized. The sound will be more open and detailed, and display more natural musical warmth.

Compare the process to that of a fine musical instrument, which has to be played for a period of time before reaching its full musical potential.

Room Acoustics

A good listening room has just the right amount of reflection and absorption. The performance of any loudspeaker depends upon the speaker's location in the room and the acoustical conditions in that part of the room. Furnishings, size, and proportions all effect tonal balance, imaging, and bass characteristics.

To test the sonic balance of your room, stand in the location where the loudspeakers will be installed and clap your hands two or three times. If the room is reverberant, you will hear a sharpness or echo. If the room is dull, the sound of the clap will decay rapidly and there will be little or no echo.

Large areas of glass, mirrors, 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 draperies or wall hangings. Try to create random reflections. Put a lot of time into the placement of the speakers. Experimenting with this will be well worth the effort.



Positioning

Every room is shaped and decorated differently, and is therefore presents unique requirements for the positioning of any loudspeaker. Your Marten loudspeakers will function at their best when placed on a flat, stable surface. As an option you are able to buy a specially designed speaker stand for Duke.

Loudspeaker Placement

The space between the loudspeakers should be free. Ideally, the space should be symmetrical in the area around the loudspeakers. We recommend experimenting with the placement of your loudspeakers in order to obtain the best balance, openness, and perception of depth.

Distance to back and side walls

One of the things that make Marten loudspeakers different is that they have been designed to stand relatively close to the back wall of your listening room.

Other manufacturers usually recommend that their loudspeakers be free-standing in the room to avoid reflection from the back wall. However, for good results, the Marten loudspeakers should be no closer than 40 cm (15.7 Inch) from the rear wall.

Marten loudspeaker should not be placed close to a side wall, as reflections from these can disturb the depth of the sound image.

Focusing the Loudspeakers

Due to their highly advanced technology, the loudspeakers will deliver excellent imaging, even at a relatively close listening distance. The distance ultimately depends on the room's shape, size, and your listening taste. Please use track 2 of the enclosed CD as a guide to focusing the sound image.

The goal is to have balanced sound. Ideally, you should be able to place the recorded voice in the middle of your speaker arrangement. Ultimately, the shape, size, and furniture in the listening room all influence the end result, so take some extra time to experiment with the position of the loudspeakers.

Toe-in

The loudspeakers should normally have a slight toe in toward the listening area to focus the sound. The amount of toe-in will depend upon your listening preferences and the room environment and dimensions.



Enclosed CD

1. Burn in Sweep
2. Focusing the Loudspeakers

Track 2 taken from the CD - "Feathers" with Jeanette Lindström & Steve Dobrogosz.
© 200, PROPHONE RECORDS AB

For more information of the CD "Feathers" please visit www.prophonerecords.se

≡ PROPHONE ≡

Care of loudspeakers

Marten loudspeakers require no special treatment apart from the kind of handling you would apply to 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 apply abrasive/ aggressive cleaning fluids to the outside of the unit.

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

Service

Do not 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, who will decide whether the problem can be remedied locally, or whether 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 or misuse, or by the use of defective electronics, is not covered by warranty.

Please contact your local Marten dealer for more information about this 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 after the sale.

Damage due to illicit handling and inappropriate use.

Transportation costs to service station or factory.

Damage through unauthorized repair and/or modification.

Subsequent damage to other appliances.

Refund of costs in case of unauthorized repair.

Malfunction caused by use for commercial or professional purposes.

All claims on Marten products obtained through unauthorized sources, with or without correct serial numbers.

Serial Number

Your unique serial number is:



Technical Specifications

Duke 2

Frequency range:	38-40000 Hz +-3dB
Power rating:	150 W
Sensitivity:	88 dB/2.83 V
Impedance:	4 ohm (3.7ohms minimum)
Type:	2-way ported (39 Hz)
Drive units:	7" ceramic, 1" ceramic
Crossover frequency:	Second order, 3000 Hz
Terminals:	Single-wiring WBT
Cabinet:	23 mm veneered MDF
Dimensions (WxHxD):	22 x 40 x 32 cm (8.6" x 15,7" x 12.6")
Net weight:	13 kg (28,6 lbs)
Finishes:	High Gloss Walnut, matt Walnut and piano Black

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