Cabasse Java MC40 Floor Standing Speaker User Manual

Contents

Cabasse

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Thank you very much for choosing Cabasse speakers. Please read carefully these instructions before setting up your speakers.

SAFETY INSTRUCTIONS

Explanation of graphical symbols -The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Instructions – Carefully read through all the safety and operating instructions before switching on any device for the first time. Keep these instructions in mind – They will be constantly referred to through this manual.

Pay special care to warnings – All the warning labels on the product or warning notes in the user’s manual must be followed. Follow the instructions – Follow carefully all the installation and operation instructions. Cleaning – Always take off the power cord before cleaning the device. Do not use cleaning solvent, whether liquid or air spray. Using a soft damp cloth is recommended. Accessories – To avoid incidents, only use accessories expressly recommended by Cabasse. Water and moisture – The product shall not be used in damp or wet locations, such as humid basements, next to a bathtub, sink, swimming pool, or any other similar conditions. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer. Portable cart warning Do not place this device on an unsteady surface, i.e. a stand, tripod, table, shelf, etc. It may fall and cause serious injury to a nearby child or adult.

Ventilation outlets – The device shall not be placed in a position that restrains the operation of its fans. Avoid installing the device on a bed, couch, blanket, or other similar surfaces that may prevent the appropriate airflow. Do not install the device in a confined space, such as a bookshelf or other piece of furniture, that could prevent sufficient air from flowing freely. Power – The device shall only be connected to a source of power compliant with the one described in this manual or on relevant printed labels on the product. If you are not sure of the type of power available, please contact your reseller or the local power company.

Installation on a piece of furniture and stands -Applicable for USA, Canada, or where approved for usage Caution! To prevent electric shock, match the wide blade plug to the wide slot, insert fully. Power cords – The power cords must be laid out in such a way that they cannot be walked on, pinched, or bent under other devices. Also, pay special attention to the matching of the plugs and the connection of the cord to the device. Lightning – For better protection against lightning or if the device must remain unused for long stretches of time, unplug the power cord and antenna jack. This minimizes potential damages due to lightning or line surges.

Overloads

Avoid overloading the power plugs, extension cords, or power relays. This could result in fire or electric shocks. Foreign bodies and liquids – Avoid letting foreign materials or liquids enter the device. They could cause fire or electric shocks. Never spill any liquid on the device. Maintenance – Users must never attempt to maintain the device on their own, except for those maintenance operations described in this manual. Any task beyond regular user maintenance must be performed by qualified service operators.

Troubleshooting

You must unplug your device from the power supply and have it checked by a qualified technician if :

- The power supply or the plug is damaged. Foreign bodies or liquid penetrated the device. The device was exposed to dripping or splashing.
- The device does not seem to work correctly under normal operating conditions. Only operate the controls described in this manual.
- Any other operation could damage the device and require an on-site visit of a qualified technician.
- The device has fallen or its housing is damaged. The performances of the device are strongly altered.

Spare parts – If spare parts are needed to repair the device, make sure that the technician follows the manufacturer’s recommendations or that the replacement parts feature the same specifications as the original ones. Non-compliant parts can result in multiple damages, including fire or electric shocks. Checks – After any servicing of the device, ask the technician to perform appropriate testing to make sure that the device works safely. Exposure to high temperatures – The device should be kept away from heating sources, such as radiators, heaters, amplifiers, or any other similar item likely to make the operating temperature rise excessively. Plastic bags – Keep them away from children to prevent any risk of suffocation.

UNPACKING

After opening the top carton flaps, fold the carton flaps right back, and remove the cardboard sheet, and the foam half shells protecting the speakers. Then pull out the speakers and the accessories. We suggest you retain the packing for future use.

POSITIONING

Speakers positioning

Our speakers have been designed to function in a vertical position. Under these conditions, the polar response is most uniform. The majority of our models are delivered with a set of decoupling spikes or cones 2, these

accessories are to be screwed into the inserts under the cabinets. These accessories ensure the stability of the speaker while limiting resonance coming from certain types of ground like wood floors.
Speakers are delivered with a front grille to protect drivers. It is possible to use them without this front grille, by gently pulling its top end in order to cut off its magnetic link with the magnets to the front panel. To get the grill back in place, position it in front of the speaker and approach it to the front panel until the magnetic link is effective. These operations must be carried out very smoothly in order not to damage prematurely the veneer covering the magnets on the front panel of the speaker.

We recommend this protection be kept on to prevent accidental damage to the drivers 3. Powerful drivers generate magnetic fields that can extend beyond the boundaries of the speaker cabinet. We recommend you keep magnetically sensitive articles (TV, computer screen, computer discs, audio and video tapes, swipe cards…) at least 1.5 ft (50 cm) away from the speaker. Cabasse center speakers or the ones marked «TV» are not concerned with this, being magnetically shielded.

Positioning speakers in a room

In addition to the vertical position of the speakers themselves, their location in the listening room, as well as the acoustical characteristics of the room, are also very important. As it is impossible to indicate a typical location of speaker systems without a few tests, we suggest several general rules that are important to apply in order to obtain the best listening results.

Optimal positioning for a 2.0 or stereo system
For the ideal positioning of your speakers follow the diagram. If «d» is the distance between the two speakers, this distance must be higher than 5 ft (1.5 m) and the two speakers must be at an equal distance from the listening area which forms an equilateral triangle. The drivers must be directed towards the listening area. The speakers should be located so that their diffusion follows the longest dimension of the room. Generally speaking, it is better to avoid putting the speakers in the corners of a room as this amplifies the low frequencies and tends to enhance the room's resonances. If possible it is better to place the speakers at least 8 inches (20 cm) from the walls.

Moreover, in order to obtain a more accurate frequency response, it is recommended to raise a compact speaker from 12 to 16 inches (30 to 40 cm) above the floor by placing them on stands. The tweeters of the speakers must be roughly at the same height as the listener's ear when the listener is in a sitting position. No solid object or piece of furniture should be placed between the speaker and the listener. An effect of mask, even partial disturbs completely the sound reproduction as it attenuates the high frequencies and also, in most cases, the midrange frequencies.
Placing the speakers in niches is not recommended. Unless designed for this application, bookshelf placement will alter the frequency response of the speaker, especially in the low frequencies. If a bookshelf location cannot be avoided, the speaker should be set up to minimize various resonance, and the visible part of the grille must be outside the niche.

Optimal positioning for a 2.1 or stereo with a subwoofer system
For a stereo listening with 2 speakers or 2 satellites and 1 subwoofer, we recommend you to place the subwoofer in the front listening area. The placement of the subwoofer against a wall reinforces the low frequencies and limits the reflections from 80 to 200 Hz. However, to obtain the best results, it is always necessary to carry out tests according to the acoustics of the room.

Optimal positioning for a 5.1 or home theatre system
Setting up a multi-channel Audio-Video system requires great care when positioning the specific AV speakers. The center speaker should be placed as close as possible to the screen and where it sounds best from your listening spot while offering the optimal picture/dialogue cohesion. Really, the screen should be located within a virtual triangle formed by the acoustical centers of the main speakers and the center speaker. Practically speaking, this means that the principal speaker should be placed above the screen if the main speakers are below it, and below the screen if the main speakers are above. The center speaker should also, if possible, be set slightly back from the others, so that it is located at the same distance from the listener as the main speakers.

The rear speakers or surround should be placed against the side walls, at listening height. They should not be

positioned far behind the listening zone. The subwoofer should be placed in the front listening area, its position against a wall reinforces the extreme low register and limits the reflections between 80 and 200 Hz. However, to obtain the best result, it is always necessary to carry out tests according to the acoustics of the room. Your AV processor enables the adjustment in level and delay of each of the 5/6/7 channels of your system. Fine-tuning is necessary to obtain a perfect sound stage. Turn off all the amplifiers before interconnecting them to the loudspeakers. In order to connect loudspeakers properly, it is most important to keep in mind the following two factors: cable section and phase.

CONNECTION Cable section

Lenght between amplifier and loudspeakers	*recommanded section*
4.5 m	*1.5 mm²*
6 m	*2 mm²*
7.5 m	*2.5 mm²*
9 m	*3 mm²*
12 m	*4 mm²*

To get the full sonic 4.5 m 1.5 mm2 potential of Cabasse 6 m 2 mm2 loudspeakers and avoid 7.5 m 2.5 mm2 power losses, the cables 9 m 3 mm2 connecting the speakers 12 m 4 mm2 to the power amplifier must have the lowest possible electrical resistance. To help you in choosing the correct cable gauge, follow the diagram.

Phase

In order to maintain the phase relationship and frequency balance of the loudspeaker system, both loudspeakers must be properly connected to the power amplifier. When properly connected, the cones of the drivers of both loudspeakers will move in the same direction when driven by identical speakers will move in the same signals. If the cones move in opposite directions, the resulting out of phase signals will create a per-ceptible power loss, particularly in the low frequencies. The stereophonic message will also be degraded. Amplifier and speaker manufacturers typically indicate connection polarity in one of two ways: red and black or plus and minus. In either case, always connect red or plus to red or plus and black or minus to black or minus. Connections should be identical for both channels. To check that the speakers are in the correct phase, switch the system to mono while music is being played. if the amplifier does not have a phase inversion switch, it will be necessary to change over the connections on one only of the loudspeakers. If in the correct phase, the image should be distinctly located between the loudspeakers with a slight loss of bass and low midrange level. If the image is confused and not centrally located and there is a drastic loss of bass and low midrange level, recheck your connections.

MAINTENANCE

The MC40 cabinets are made of medium-density fiber panels, either protected by synthetic veneer with two coats of varnish and a special anti-scratch film, coated with tinted natural wood veneer protected by 4 coats of varnish, or protected by 5 layers of high gloss lacquer. These hi-tech veneers do not require any specific care. Use a wet cotton waste for cleaning, or any cleaning device for wood or plastic.

WEEE MARK

Disposal of Wastes of Electrical & Electronic Equipment (Applicable in the European Union)

This symbol on the product, consisting of the crossed-out wheeled bin, indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the disposal of electrical and electronic equipment at the end of life. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be

caused by inappropriate waste handling of this product. The recycling of materials will help to preserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service, or the shop where you purchased the productThanks to the above information, your system is now nicely set up and you will enjoy your speaker system for many years. We receive everyday letters from customers expressing the ever-growing satisfaction and musical emotion they have been getting with our speakers over the years. These letters are our first motivation.

SPECIFICATIONS & TECHNICAL DATA

	MINORCA *main speaker*	JAVA *main speaker*	MAJORCA *main speaker*	CABRERA *main speaker*
Position	booksheft/ stand	floorstanding	floorstanding	on/under screen
Ways	3	3	3	3
Drivers complement	1 coaxial midrange-tweeter BC10 1 x 17 cm (7") 17MD18LB1	1 coaxial midrange-tweeter BC10 2 x 17 cm (7") 17MD18LB1	1 coaxial midrange-tweeter BC10 2 x 21 cm (8") 21MD18LB1	1 coaxial midrange-tweeter BC10 2 x 17 cm (7") 17MD18LB1
Sensivity 1W/1m (dB)	89	90	90.5	89.5
Cross-over points (Hz)	900 - 3,200	900 - 3,400	800 - 3,200	900 - 3,200
Frequency response (Hz)	69 - 23,000	59 - 23,000	49 - 23,000	70 - 23,000
Nominal impedance (ohms)	8	8	8	8
Minimum impedance (ohms)	3.3	3.4	3.2	3.2
Power handling (Watt)	75	110	150	75
Peak power (Watt)	550	770	1,000	550
Dimensions h x l x p (cm) h x l x p (")	40 x 23 x 28 15"3/4 x 9" x 11"	110 x 25 x 35 43"1/3 x 9"5/6 x 13"3/4	115 x 29 x 35 45"1/4 x 11"5/12 x 13"3/4	18 x 49 x 35 7"1/12 x 19"1/4 x 13"3/4

Because of technical improvements already underway in our constant search for optimum quality, Cabasse reserves the right to modify all the models presented in specification sheets, advertising materials, and manuals without prior notice.

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