

Cort CM20B

Cort CM20B 20 Watt 1x8 Combo Bass Amplifier User Manual

INTRODUCTION

The Cort CM20B is a compact bass amplifier designed to provide robust sound and a user-friendly interface. It is suitable for home practice, small venues, and controlled volume environments. This manual provides essential information for the safe and effective use of your CM20B amplifier.

SAFETY INFORMATION

Please read and understand all safety instructions before operating the amplifier. Retain this manual for future reference.

- **Power Source:** Connect the amplifier only to a power supply of the type specified on the unit. Ensure the voltage and frequency match your local power standards.
- **Grounding:** The amplifier must be properly grounded to prevent electric shock. Do not defeat the safety purpose of the polarized or grounding-type plug.
- **Moisture:** Do not expose the amplifier to rain or moisture. Avoid using it near water sources or in damp environments.
- **Ventilation:** Ensure adequate ventilation around the amplifier. Do not block ventilation openings. Overheating can cause damage.
- **Heat:** Keep the amplifier away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cables:** Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Hearing Protection:** Prolonged exposure to high volume levels can cause permanent hearing damage. Use caution when setting volume levels.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Cort CM20B Bass Amplifier Unit
- Power Cable
- User Manual (this document)

PRODUCT OVERVIEW

The Cort CM20B features a compact design with an 8-inch speaker, offering a clear and powerful bass tone. Below are descriptions of the amplifier's front and rear panels.

Front Panel Controls



Image: Front panel of the Cort CM20B amplifier, detailing all controls and input/output jacks.

- **INPUT:** 1/4-inch jack for connecting your bass guitar.
- **VOLUME:** Controls the overall output level of the amplifier.
- **MODE:** Activates a mid-frequency cut and boosts low and high frequencies for a fatter tone, suitable for slap style playing or low-volume practice.
- **BASS:** Adjusts the low-frequency response of your tone.
- **MIDDLE:** Adjusts the mid-frequency response of your tone.
- **TREBLE:** Adjusts the high-frequency response of your tone.
- **AUX IN:** 1/8-inch stereo input for connecting external audio devices like MP3 players or smartphones for practice.
- **HEADPHONES:** 1/8-inch stereo output for silent practice. Connecting headphones mutes the main speaker.
- **ON/OFF Switch:** Powers the amplifier on or off. An indicator light shows power status.

Rear Panel



Image: Rear panel of the Cort CM20B amplifier, displaying the power input and regulatory information.

- **INPUT POWER:** IEC power inlet for connecting the included power cable.
- **SERIAL NUMBER:** Unique identifier for your amplifier.
- **WARNING LABELS:** Important safety and regulatory information.

SETUP

Follow these steps to set up your Cort CM20B amplifier:

1. **Placement:** Place the amplifier on a stable, flat surface. Ensure there is sufficient space around the unit for proper ventilation. Avoid placing it directly against walls or in enclosed spaces.
2. **Power Connection:** Ensure the amplifier's ON/OFF switch is in the OFF position. Connect the provided power cable to the INPUT POWER inlet on the rear panel of the amplifier, then plug the other end into a suitable grounded electrical outlet.
3. **Instrument Connection:** Connect your bass guitar to the INPUT jack on the front panel using a

standard 1/4-inch instrument cable.

4. **External Audio (Optional):** If you wish to play along with music, connect your audio device (e.g., smartphone, MP3 player) to the AUX IN jack using a 1/8-inch stereo audio cable.
5. **Headphones (Optional):** For silent practice, connect your headphones to the HEADPHONES jack. This will mute the main speaker.

OPERATING INSTRUCTIONS

Once set up, you can begin using your amplifier:

1. **Power On:** Ensure all volume controls on your bass guitar and the amplifier are set to their minimum (zero) position. Flip the ON/OFF switch to the ON position. The power indicator light will illuminate.
2. **Adjust Volume:** Slowly increase the VOLUME knob on the amplifier to your desired listening level. Adjust the volume on your bass guitar as needed.
3. **Tone Shaping (EQ):** Use the BASS, MIDDLE, and TREBLE knobs to adjust the tonal characteristics of your bass. Experiment with these controls to find your preferred sound.
4. **Using the MODE Switch:** Engage the MODE switch to activate a pre-set EQ curve that cuts mid-frequencies and boosts lows and highs. This can be useful for certain playing styles or to achieve a different tonal character.
5. **Playing with External Audio:** If using the AUX IN, adjust the volume on your external audio device to balance it with your bass guitar's volume.
6. **Silent Practice:** When headphones are connected to the HEADPHONES jack, the main speaker is automatically muted, allowing for private practice.
7. **Power Off:** Before turning off the amplifier, reduce the VOLUME knob to its minimum. Then, flip the ON/OFF switch to the OFF position. Disconnect all cables when not in use for extended periods.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your amplifier:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use abrasive cleaners, solvents, or waxes, as they may damage the finish.
- **Storage:** When not in use, store the amplifier in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Transportation:** When moving the amplifier, ensure it is powered off and all cables are disconnected. Use the integrated handle for carrying.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris.

TROUBLESHOOTING

If you encounter issues with your CM20B amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from speaker	<ul style="list-style-type: none"> • Amplifier not powered on • Volume too low • Instrument cable faulty or disconnected • Headphones connected • Bass guitar volume off 	<ul style="list-style-type: none"> • Check power switch and indicator light • Increase VOLUME knob • Check and replace instrument cable • Disconnect headphones • Increase volume on bass guitar
Distorted sound	<ul style="list-style-type: none"> • Volume too high • Input signal too strong • Faulty cable 	<ul style="list-style-type: none"> • Reduce VOLUME knob • Reduce volume on bass guitar • Try a different instrument cable
No power	<ul style="list-style-type: none"> • Power cable disconnected • Power outlet faulty • Amplifier fuse blown 	<ul style="list-style-type: none"> • Check power cable connections • Test outlet with another device • Contact qualified service personnel for fuse replacement
Aux In not working	<ul style="list-style-type: none"> • Aux cable faulty or disconnected • External device volume too low 	<ul style="list-style-type: none"> • Check and replace aux cable • Increase volume on external device

If the problem persists after trying these solutions, please contact customer support.

SPECIFICATIONS

Key technical specifications for the Cort CM20B Bass Amplifier:

- **Model:** CM20B
- **Brand:** Cort
- **Wattage:** 20 Watts
- **Speaker:** 1 x 8-inch custom speaker
- **Controls:** Volume, Mode, Bass, Middle, Treble
- **Inputs:** 1/4-inch Instrument Input, 1/8-inch Aux In
- **Outputs:** 1/8-inch Headphone Out
- **Power Consumption:** 20 Watts
- **Accepted Voltage Frequency:** 100 to 240 Volts, 50 Hertz to 60 Hertz
- **Product Dimensions (W x D x H):** Approximately 8.3 x 12.4 x 12 inches (21.1 x 31.5 x 30.5 cm)
- **Item Weight:** Approximately 8.8 pounds (4 kg)
- **Color:** Black
- **Specific Uses:** Music Practice, Small Group Practice, Listening, Recording

WARRANTY INFORMATION

Cort products are manufactured to high-quality standards. This product is covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the warranty card included with your product or visit the official Cort website.

SUPPORT

For further assistance, technical support, or service inquiries, please contact your authorized Cort dealer or visit the official Cort website:

Cort Guitars Official Website: www.cortguitars.com

Please have your model number (CM20B) and serial number ready when contacting support.