Rockville RAM12BT

Rockville RAM12BT 12'' Portable Karaoke Machine/System Instruction Manual

Model: RAM12BT

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Rockville RAM12BT 12" Portable Karaoke Machine/System. This versatile unit functions as a portable PA speaker, karaoke machine, and multimedia player, equipped with Bluetooth connectivity, wireless microphones, and integrated LED lighting. Please read this manual thoroughly before using the product to ensure proper function and safety.

PACKAGE CONTENTS

- (1) Rockville RAM12BT 12" Rechargeable Powered PA Speaker
- (2) Wireless VHF Microphones
- (1) NYC Acoustics USB RGB LED Light Strip Package Kit
- (1) Remote Control
- (1) USB Charging Cable
- (1) Auxiliary RCA Line In/RCA Line Out Cable
- (1) Owner's Manual

Image: Rockville RAM12BT 12" Portable Karaoke Machine/System with two wireless microphones and a rechargeable battery.

Image: Remote control for the Rockville RAM12BT speaker, allowing convenient operation.

Image: NYC Acoustics USB RGB LED Light Strip Package Kit, included for ambient lighting.

Image: Auxiliary RCA Line In/RCA Line Out Cable for connecting external audio sources.

PRODUCT FEATURES

- Amplified Pro Audio Speaker with Bluetooth Capability.
- Power Ratings: 600 Watts Peak, 300 Watts Program, 150 Watts RMS.
- High Power Class A/B Amplifier.
- Bluetooth Pairing from External Music Source.
- TWS (True Wireless Stereo) allows linking two RAM speakers wirelessly for stereo sound.
- Built-In USB (2.0)/SD/MMC/MP3 Inputs with LCD Display (supports MP3, WMA, WAV).
- Built-In FM Radio Tuner.
- 5-Band Equalizer for audio adjustment.
- AUX RCA Line In/RCA Line Out.
- (1) Mic Input (XLR) and (1) Mic Input (1/4").
- Wireless VHF Mic Capability with (2) Wireless VHF Mics Included.
- Built-In 12V-7A Battery for Portability.
- Optional External Battery Connection for Extended Play Time.
- AC Power Input with Built-in Battery Charger.
- Built-In Wheels and Carry Handles for Easy Transport.
- 60oz Magnet Motor Structure, 4 Ohm 1.5" KSV High Power Voice Coil.

- 25mm, 8 Ohm Titanium Diaphragm Tweeter.
- Includes NYC Acoustics USB RGB LED Light Strip Package Kit for TV backlighting.

SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.

2. **Initial Charge:** Before first use, fully charge the built-in 12V-7A battery using the provided USB charging cable and a compatible USB power adapter (not included). The unit can also operate while plugged into AC power.

3. **Wireless Microphones:** Insert 2x AA batteries (not included) into each wireless microphone.

4. **Remote Control:** Insert 2x AAA batteries (not included) into the remote control.

5. **Positioning:** Place the speaker on a stable, flat surface or mount it on a compatible 35mm speaker stand using the built-in socket.

Image: Side view of the Rockville RAM12BT speaker, highlighting the carry handle for portability.
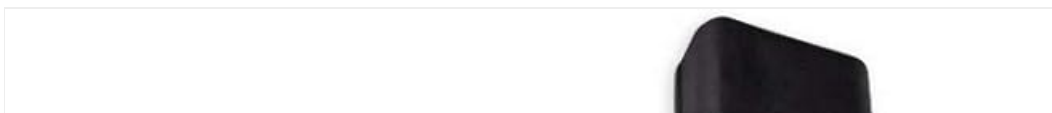
Image: Bottom view of the Rockville RAM12BT speaker, showing integrated wheels and the speaker pole mount socket.

OPERATING INSTRUCTIONS

Power On/Off

Locate the power switch on the top panel of the speaker. Flip the switch to the "ON" position to power on the unit. The LCD display will illuminate, and the LED lights on the speaker grille will activate. To power off, flip the switch to the "OFF" position.

Image: Top panel of the Rockville RAM12BT speaker, displaying the power switch, input ports, and control knobs.

Bluetooth Connection

1. Power on the RAM12BT speaker.

2. Press the "MODE" button on the speaker's control panel or remote until "BLUE" appears on the LCD display. The unit is now in Bluetooth pairing mode.

3. On your Bluetooth-enabled device (smartphone, tablet, etc.), search for "TONOR K20" or "Rockville" in the Bluetooth settings.

4. Select the speaker from the list to pair. Once connected, the LCD display will show "BLUETOOTH Connected!".

5. You can now play audio from your device through the RAM12BT speaker.

Your browser does not support the video tag.

Video: This video demonstrates the features and connectivity of the Rockville RAM12BT speaker, including Bluetooth pairing and various input options.

USB/SD/TF Card Playback

Insert a USB drive or SD/TF card (with MP3, WMA, or WAV files) into the corresponding slot on the top panel. The speaker will automatically switch to USB/SD/TF mode and begin playing the audio files. Use the "PREV", "PLAY/PAUSE", and "NEXT" buttons to control playback.

Auxiliary Input

Connect an external audio device (e.g., MP3 player, CD player) to the "AUX RCA Line In" ports using the provided RCA cable. Press the "MODE" button until "AUX" is displayed. Adjust the volume on both the external device and the RAM12BT speaker.

Microphone Usage (Wireless & Wired)

1. **Wireless Microphones:** Turn on the included wireless VHF microphones. They will automatically connect to the speaker. Adjust the individual microphone volumes using the "MIC A VOL" and "MIC B VOL" knobs on the top panel.

2. **Wired Microphones:** Plug a wired microphone (not included) into the "MIC IN" (XLR or 1/4") input. Adjust the microphone volume using the "MIC VOL" knob.

3. **Echo Effect:** Use the "ECHO" knob to add or reduce an echo effect to the microphone audio.

FM Radio

Press the "MODE" button until "FM" is displayed. Extend the antenna for better reception. Use the "PREV" and "NEXT" buttons to scan for radio stations. The speaker will automatically save found stations.

LED Light Control

The speaker features integrated LED lights on the front grille. Use the "LED" switch on the top panel to turn the lights "ON" or "OFF". The lights will react to the music or microphone input.

TWS (True Wireless Stereo) Linking

If you have two RAM12BT speakers, you can link them wirelessly for a stereo sound experience:

1. Ensure both speakers are powered on and not connected to any Bluetooth device.

2. Press and hold the "SCAN/TWS" button on one speaker (this will be your main speaker) for 3 seconds. The speaker will enter TWS pairing mode.

3. The main speaker will automatically search for and connect to the second speaker. Once connected, both speakers will play audio in stereo.

4. Connect your Bluetooth device to the main speaker as described in the "Bluetooth Connection" section.

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Video: This video demonstrates the TWS linking feature, allowing two Rockville RAM12BT speakers to connect wirelessly for stereo audio playback.

Audio Adjustments

Use the "BASS" and "TREBLE" knobs on the top panel to adjust the low and high frequencies of the overall audio output. The 5-band equalizer provides more precise control over various frequency ranges.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the speaker's exterior. Avoid using abrasive cleaners or solvents.
- **Battery Care:** Charge the built-in battery every 30 days, even if not in use, to maintain battery health and prolong its lifespan.
- **Storage:** Store the speaker in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Solution
No power	Ensure the power switch is ON. Check battery charge level or connect to AC power.
No sound output	Check master volume and input source volume. Ensure correct input mode is selected. Verify audio cables are securely connected.
Microphone not working	Ensure microphones are ON and have fresh batteries. Check "VHF POWER" is ON for wireless mics. Adjust "MIC VOL" and individual mic volumes. For wired mics, ensure proper connection to "MIC IN".
Bluetooth not connecting	Ensure speaker is in "BLUE" mode. Make sure no other device is currently paired. Disconnect from other devices and try pairing again.
Poor FM radio reception	Extend the antenna fully. Try repositioning the speaker for better signal.

SPECIFICATIONS

Feature	Detail
Power Source	Battery Powered (Built-in 12V-7A)
Connector Type	Aux, Bluetooth, USB, SD, RCA, XLR, 1/4"
Number of Channels	5
Audio Input	XLR, 1/4", USB, SD, RCA, Bluetooth
Item Weight	35.5 pounds
Package Dimensions	26.5 x 17.3 x 15.5 inches

Feature	Detail
Connectivity Technology	Bluetooth, USB
Compatible Devices	Guitar, MP3 Player, Smartphone
Mounting Type	Tabletop, Speaker Pole Mount

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included in your package or visit the official Rockville website. Keep your proof of purchase for any warranty claims.