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› [Nutek TS20110B Portable Sound System with Disco Light User Manual](#)

## Nutek TS-20110B-1

# Nutek TS20110B Portable Sound System with Disco Light User Manual

## 1. INTRODUCTION

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Thank you for purchasing the Nutek TS20110B Portable Sound System. This system features a powerful 10-inch woofer and 3-inch tweeter, integrated disco light, and multiple connectivity options including Bluetooth, USB, SD card, FM radio, and auxiliary input. It is designed for portable use with a built-in rechargeable battery, telescoping handle, and wheels. This manual provides essential information for safe operation, setup, and maintenance of your device.

## 2. SAFETY INSTRUCTIONS

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- Read all instructions before operating the device.
- Keep the unit away from water, moisture, and direct sunlight.
- Do not block ventilation openings. Ensure adequate space around the unit for proper airflow.
- Use only the power adapter supplied with the unit.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.
- Avoid placing heavy objects on the unit.
- When moving the unit, use the telescoping handle and wheels to prevent injury.
- The built-in battery should be charged regularly, even if the unit is not in use, to maintain its lifespan.

## 3. PACKAGE CONTENTS

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Please check that all items listed below are included in your package:

- Nutek TS20110B Portable Sound System
- Wired Microphone with Power Cable
- Remote Control
- Audio Cable (3.5mm to RCA)
- Power Adapter

## 4. PRODUCT OVERVIEW

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Figure 1: Front view of the Nutek TS20110B Portable Sound System, showing the main speaker grille, control panel, and disco light on top.

### Control Panel Features:

- **LED Display:** Shows current mode, track information, and FM frequency.
- **Media Playback Controls:** Play/Pause, Skip Forward/Backward.
- **Mode Button:** Switches between Bluetooth, FM Radio, USB, SD, and AUX input modes.
- **USB Port:** For connecting USB flash drives for audio playback.
- **SD Card Slot:** For connecting SD memory cards for audio playback.
- **1/8" AUX Input:** For connecting external audio devices via a 3.5mm cable.
- **RCA Input:** For connecting external audio devices via RCA cables.
- **Microphone Input:** For connecting the wired microphone.
- **Guitar Input:** For connecting a guitar.

- **Master Volume Knob:** Adjusts the overall output volume.
- **Microphone Volume Knob:** Adjusts the microphone input volume.
- **Guitar Volume Knob:** Adjusts the guitar input volume.
- **Echo Knob:** Adjusts the echo effect for the microphone.
- **Treble Knob:** Adjusts the high-frequency audio output.
- **Bass Knob:** Adjusts the low-frequency audio output.
- **7-Band Equalizer:** Allows fine-tuning of audio frequencies.
- **Disco Light Switch:** Turns the integrated disco light on or off.

## 5. SETUP

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### 5.1 Unpacking and Placement

1. Carefully remove the sound system and all accessories from the packaging.
2. Place the unit on a stable, flat surface. Ensure there is sufficient space around the unit for ventilation.

### 5.2 Initial Charging

The Nutek TS20110B features a built-in 12V 5Ah rechargeable battery. For optimal performance and battery longevity, it is recommended to fully charge the unit before its first use.

- Connect the provided power adapter to the unit's DC input port.
- Plug the power adapter into a standard wall outlet.
- The charging indicator light (if present) will illuminate. Allow several hours for a full charge.
- The unit also supports an external 12V DC connection for extended playtime, which can be used when the internal battery is low or for continuous operation.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Power On/Off

Locate the power switch on the unit. Flip it to the 'ON' position to power on the system. The LED display will light up. Flip it to 'OFF' to power down.

### 6.2 Bluetooth Connection

1. Power on the sound system.
2. Press the 'Mode' button until 'Bluetooth' or 'BT' appears on the LED display. The unit will enter pairing mode, indicated by a flashing Bluetooth icon or sound.
3. On your Bluetooth-enabled device (smartphone, tablet, computer), enable Bluetooth and search for available devices.
4. Select 'Nutek TS20110B' (or similar name) from the list of devices.
5. Once paired, the unit will confirm with an audible tone or a solid Bluetooth icon on the display. You can now stream audio wirelessly.

### 6.3 USB/SD Card Playback

1. Insert a USB flash drive or SD card into the respective port/slot on the control panel.
2. The unit should automatically switch to USB or SD mode and begin playing audio files. If not, press the 'Mode' button to select the correct input.
3. Use the Play/Pause and Skip Forward/Backward buttons to control playback.

## 6.4 FM Radio

1. Press the 'Mode' button until 'FM' appears on the LED display.
2. Press and hold the Play/Pause button to initiate an automatic scan for FM stations. The unit will save all found stations.
3. Use the Skip Forward/Backward buttons to navigate through the saved stations.

## 6.5 AUX/RCA Input

1. Connect your external audio device (e.g., MP3 player, laptop) to the 1/8" AUX input or RCA input using the appropriate audio cable.
2. Press the 'Mode' button until 'AUX' or 'LINE' appears on the LED display.
3. Control playback from your connected device.

## 6.6 Microphone and Guitar Inputs

1. Connect the wired microphone to the 'MIC IN' port.
2. Connect a guitar to the 'GUITAR IN' port.
3. Adjust the 'MIC VOL' and 'GUITAR VOL' knobs to set the desired volume levels for each input.
4. Use the 'ECHO' knob to add an echo effect to the microphone.

## 6.7 Disco Light Operation

The integrated disco light features 6 PC LED lights that move with the music. Locate the 'Disco Light' switch on the control panel and flip it to 'ON' to activate the light display. Flip it to 'OFF' to deactivate.

## 6.8 Audio Adjustment

Use the 'MASTER VOL' knob to control the overall system volume. The 'BASS' and 'TREBLE' knobs allow you to adjust the low and high frequencies of the audio output. The 7-band equalizer provides more precise control over specific frequency ranges for customized sound.

# 7. MAINTENANCE

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## 7.1 Cleaning

- Always power off and unplug the unit before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces.
- Do not use abrasive cleaners, waxes, or solvents as they may damage the finish.
- Keep the speaker grille free of dust and debris.

## 7.2 Battery Care

- To maximize battery life, fully charge the unit before first use and after each use.
- If the unit will not be used for an extended period, charge the battery at least once every 3 months to prevent deep discharge.
- Avoid operating the unit in extreme temperatures, as this can affect battery performance and lifespan.

# 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on.	Battery is depleted. Power cable not connected.	Connect the power adapter and charge the unit. Ensure the power cable is securely plugged in.
No sound output.	Volume too low. Incorrect input mode selected. External device issues.	Increase the Master Volume. Press the 'Mode' button to select the correct input. Check the volume and connections of your external device.
Bluetooth not connecting.	Unit not in pairing mode. Device too far. Interference.	Ensure the unit is in Bluetooth mode and pairing. Move your device closer. Turn off other Bluetooth devices.
Microphone not working.	Microphone not connected properly. MIC VOL too low. Faulty microphone.	Ensure the microphone is securely plugged into the 'MIC IN' port. Increase the 'MIC VOL' knob. Test with another microphone if available.
Disco light not working.	Light switch is off.	Ensure the 'Disco Light' switch is in the 'ON' position.

## 9. SPECIFICATIONS

Feature	Specification
Model Number	TS-20110B-1
Speaker Type	Active, Portable Sound System
Woofer Size	10 inches
Tweeter Size	3 inches (Note: Product description states 3", feature bullets state 1")
Output Wattage	5 Watts
Connectivity	Bluetooth, USB, SD Card, 1/8" AUX, RCA
Power Source	Battery Powered (Built-in 12V 5Ah), External 12V DC
Battery Life (Music Only)	Up to 75 hours
Product Dimensions (L x W x H)	14 x 12 x 21 inches
Item Weight	27 Pounds
Features	Disco Light, FM Radio, Microphone Input, Guitar Input, 7-Band Equalizer, Telescoping Handle, Caster Wheels

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

