Dolphin SP-420BT

Dolphin SP-420BT Solar Rechargeable RETROBOX Portable Bluetooth Radio User Manual

Model: SP-420BT

INTRODUCTION

Thank you for choosing the Dolphin SP-420BT Solar Rechargeable RETROBOX Portable Bluetooth Radio. This device combines classic radio functionality with modern features like Bluetooth connectivity, MP3 playback, and solar charging, all in a portable, retro-inspired design. This manual provides detailed instructions for the safe and efficient use of your new radio.

SAFETY INFORMATION

- Do not expose the unit to rain, moisture, or extreme temperatures.
- Avoid placing the unit near heat sources or in direct sunlight for prolonged periods, especially when not charging.
- Do not disassemble or attempt to repair the unit yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Ensure proper ventilation when operating or charging.
- Dispose of batteries responsibly according to local regulations.

PACKAGE CONTENTS

Please check the box for the following items:

- Dolphin SP-420BT Portable Bluetooth Radio
- Power Adapter

PRODUCT OVERVIEW

Familiarize yourself with the various parts and controls of your Dolphin SP-420BT radio.

Front view of the Dolphin SP-420BT radio, showing the main controls, speakers, and frequency display.

Controls and Ports:

- **OFF/VOLUME Knob:** Turns the unit on/off and adjusts the volume.

- **MODE Button:** Switches between Radio (AM/FM/SW), Bluetooth, and MP3 (USB/TF/SD) modes.

- **EQ Button:** Adjusts equalizer settings (if applicable).

- **REPEAT Button:** Repeats current track or playlist in MP3 mode.

- **PLAY/PAUSE Button:** Plays or pauses audio in Bluetooth/MP3 mode.

- **PREV/NEXT Buttons:** Skips to previous/next track in Bluetooth/MP3 mode, or tunes frequency in radio mode.

- **TUNING Knob:** Fine-tunes radio frequency.

- **Telescoping Antenna:** Extends for improved radio reception.

- **USB Port:** For USB flash drive playback.

- **TF/SD Card Slot:** For TF/SD card playback.

- **AUX Input:** For connecting external audio devices.

- **Type-C Charging Port:** For charging the internal battery.

- **Solar Panel:** Located on the top/rear for solar charging.

- **LED Flashlight:** Integrated light source.

1. Charging the Battery

Your Dolphin SP-420BT radio features multiple charging options:

The radio supports Type-C charging for convenient power input.

Rear view of the radio highlighting the solar panel and built-in flashlight.

1. **Using the Power Adapter:** Connect the included power adapter to the Type-C charging port on the radio and plug the other end into a standard wall outlet. The charging indicator light will illuminate.

2. **Solar Charging:** Place the radio with its solar panel facing direct sunlight. The solar panel will convert sunlight into energy to charge the internal battery. Solar charging is ideal for outdoor use and emergencies but may take longer than adapter charging.

A full charge ensures optimal performance and battery longevity.

The radio is equipped with a long-lasting 18650 rechargeable lithium battery.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

- To turn the radio **ON**, rotate the OFF/VOLUME knob clockwise.

- To turn the radio **OFF**, rotate the OFF/VOLUME knob counter-clockwise until it clicks.

- Adjust the volume by rotating the OFF/VOLUME knob.

2. Radio Operation (AM/FM/SW)

The radio features a high-sensitivity telescoping antenna for clear reception.

1. Turn on the radio using the OFF/VOLUME knob.

2. Press the **MODE** button repeatedly until you reach the desired radio band (FM, AM, or SW).

3. Extend the telescoping antenna for optimal reception, especially for FM and SW bands.

4. Rotate the **TUNING** knob to scan for radio stations.

5. For better AM reception, you may need to rotate the entire unit to find the best signal.

3. Bluetooth Connectivity

Enjoy wireless music streaming with easy Bluetooth pairing.

1. Turn on the radio.

2. Press the **MODE** button until you hear an audible prompt indicating Bluetooth mode (e.g., "Bluetooth Mode" or a pairing tone). The Bluetooth indicator light will flash.

3. Enable Bluetooth on your smartphone or other Bluetooth-enabled device.

4. Search for available devices and select "SP-420BT" from the list.

5. Once paired, the Bluetooth indicator light will become solid, and you can start playing music from your device.

6. Use the PLAY/PAUSE, PREV, and NEXT buttons on the radio or your connected device to control playback.

4. MP3 Playback (USB/TF/SD)

The radio offers versatile connectivity including USB, AUX, Bluetooth, and SD Card inputs.

1. Insert a USB flash drive or TF/SD card (with MP3 audio files) into the corresponding port.

2. Press the **MODE** button until the unit automatically switches to MP3 playback mode. If it doesn't switch automatically, continue pressing MODE until you reach the MP3 mode.

3. Playback should begin automatically.

4. Use the PLAY/PAUSE, PREV, and NEXT buttons to control your music.

5. Press the **REPEAT** button to cycle through repeat modes (e.g., repeat one, repeat all).

5. AUX Input

1. Connect an external audio device (e.g., smartphone, MP3 player) to the AUX input port using a 3.5mm audio cable (not included).

2. Press the **MODE** button until the unit switches to AUX mode.

3. Control playback directly from your connected external device.

6. LED Flashlight

The integrated LED flashlight is useful for low-light conditions.

- Locate the flashlight switch or button on the unit (refer to product diagram if available).
- Toggle the switch/button to turn the flashlight ON or OFF.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the radio. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing for a long time, charge the battery to about 50% every few months.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery is depleted; Unit is off.	Charge the battery using the power adapter or solar panel. Rotate the OFF/VOLUME knob clockwise to turn on.
Poor radio reception	Antenna not extended; Weak signal; Interference.	Fully extend the telescoping antenna. Adjust the radio's position. Try tuning slightly. Move away from electronic devices causing interference.
Bluetooth not connecting	Radio not in Bluetooth mode; Device not in pairing mode; Already connected to another device.	Press MODE to enter Bluetooth mode. Ensure your device's Bluetooth is on and searching. Disconnect from other devices.
MP3 playback not working	Incorrect file format; USB/SD card not inserted correctly; Corrupted files.	Ensure files are in MP3 format. Reinsert the USB/SD card. Try a different USB/SD card or files.

SPECIFICATIONS

Product
DIMENSION

Length	11"
Width	8.5"
Heigth	3.5"

FM FREQUENCY MODULATION 88 90 92 94 96 98 100 102 104 106 108
AM MEDIUM WAVE 530 650 860 1000 1200 1400 1600
SW SHORT WAVE 8.0 8.8 9.6 10.4 11.2 12.0 12.8 14.4 15.2 16.0

DOLPHIN

MODE EQ REPEAT
PLAY/PAUSE PREV NEXT
MP3/BT

OFF VOLUME MAX TUNING

RETROBOX solar

SP-420BT

11 Inch

8.5 Inch

Weight:

42 lbs

Product dimensions of the Dolphin SP-420BT radio.

Feature	Detail
Model Number	SP-420BT
Product Dimensions	11 x 3.5 x 8.5 inches (L x W x H)
Item Weight	3 pounds
Radio Bands Supported	AM/FM/SW (3-Band)
Connectivity Technology	Bluetooth, USB, Auxiliary
Power Source	Battery Powered (Rechargeable Lithium 18650), Solar, Type-C
Special Features	Built-In AM Antenna, Lightweight, Portable, LED Flashlight

Feature	Detail
Included Components	Power Adapter
UPC	810059432543

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Dolphin website. If you encounter any issues not covered in this manual, please contact Dolphin customer service for assistance.
Manufacturer: General Sound Co