

manuals.plus /

› [Grundig](#) /

› [Grundig MUSIC6500B Portable DAB+/Bluetooth Radio User Manual](#)

Grundig GDB1090

Grundig MUSIC6500B Portable DAB+/Bluetooth Radio User Manual

Model: GDB1090

1. INTRODUCTION

Thank you for choosing the Grundig MUSIC6500B Portable DAB+/Bluetooth Radio. This manual provides essential information for the safe and efficient operation of your device. Please read these instructions carefully before use and retain them for future reference.

The Grundig MUSIC6500B combines superior reception quality with a modern design, offering DAB+, FM RDS, and Bluetooth 5.0 connectivity. Enjoy your favorite radio stations or stream music wirelessly with ease.

2. SAFETY INFORMATION

- **Power Source:** Use only the specified power adapter or appropriate batteries. Do not mix old and new batteries, or different types of batteries.
- **Water and Moisture:** Do not expose the radio to rain, moisture, or dripping/splashing liquids. Keep it away from water sources like bathtubs, sinks, or swimming pools.
- **Heat:** Do not place the radio near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Ventilation:** Ensure proper ventilation. Do not block any ventilation openings.
- **Cleaning:** Unplug the radio from the power outlet before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Please check that the following items are included in your package:

- Grundig MUSIC6500B Portable DAB+/Bluetooth Radio
- Power Adapter (if included, otherwise battery operation is assumed)
- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and controls of your Grundig MUSIC6500B radio.



Figure 1: Front view of the Grundig MUSIC6500B radio. The speaker is on the left, the 2.4-inch LCD screen on the right, and control buttons are located below the screen.

Controls and Features:

- **Antenna:** Extendable telescopic antenna for optimal radio reception.
- **Speaker:** Integrated speaker with 2.5W output and passive bass radiator.
- **LCD Display:** 2.4-inch screen with brightness adjustment for clear information display.
- **Power Button:** Turns the radio on/off.
- **Mode Button (M):** Switches between DAB+, FM, and Bluetooth modes.
- **Navigation Buttons:** Up/Down arrows for tuning or menu navigation.
- **Select/Enter Button:** Confirms selections.
- **Volume Buttons:** Adjusts the audio volume.

5. SETUP

5.1 Powering On

The Grundig MUSIC6500B can be powered by an AC adapter or batteries.

- **AC Power:** Connect the provided power adapter to the DC IN port on the radio and then to a wall outlet.
- **Battery Power:** Open the battery compartment cover on the back of the radio. Insert the required number of AA batteries (not included), ensuring correct polarity (+/-). Close the cover securely.

5.2 Antenna Adjustment

For optimal radio reception, fully extend the telescopic antenna. Adjust its position for the best signal quality.

5.3 Initial Scan (DAB+ and FM)

1. Press the **Power** button to turn on the radio.
2. If this is the first time using the radio or after a factory reset, it will automatically perform a full scan for DAB+ stations. This may take a few minutes.
3. Once the scan is complete, the radio will tune to the first available DAB+ station.
4. To perform an FM scan, switch to FM mode using the **Mode (M)** button. Then, long-press the **Select/Enter** button to initiate an auto-scan for FM stations.

6. OPERATING INSTRUCTIONS

6.1 DAB+ Radio Mode

1. Press the **Mode (M)** button until "DAB" appears on the display.
2. Use the **Up/Down** navigation buttons to browse through the available DAB+ stations.
3. Press the **Select/Enter** button to confirm your station choice.
4. To perform a new scan, long-press the **Select/Enter** button.

6.2 FM Radio Mode

1. Press the **Mode (M)** button until "FM" appears on the display.
2. **Auto-Tune:** Long-press the **Up/Down** navigation buttons to automatically scan for the next available station.
3. **Manual Tune:** Short-press the **Up/Down** navigation buttons to fine-tune the frequency step-by-step.
4. The radio supports FM RDS, displaying station information where available.

6.3 Bluetooth Mode

Stream audio wirelessly from your Bluetooth-enabled device (e.g., smartphone, tablet).

1. Press the **Mode (M)** button until "Bluetooth" appears on the display. The radio will enter pairing mode, indicated by a flashing Bluetooth icon.
2. On your external device, enable Bluetooth and search for available devices.
3. Select "Grundig MUSIC6500B" from the list of devices.
4. Once paired, the Bluetooth icon on the radio's display will stop flashing, and you can begin playing audio from your device.
5. The Bluetooth range is up to 30 meters (open field).

6.4 Volume Control

Use the **Volume Up (+)** and **Volume Down (-)** buttons to adjust the listening volume.

6.5 Presets (Saving and Recalling Stations)

The radio supports 30 FM and 30 DAB+ station presets.

1. **To Save a Preset:**
 - Tune to the desired DAB+ or FM station.
 - Long-press the **Preset** button (often labeled with a star or number).
 - Use the **Up/Down** buttons to select a preset number (1-30).
 - Press **Select/Enter** to save the station.
2. **To Recall a Preset:**

- Short-press the **Preset** button.
- Use the **Up/Down** buttons to navigate through your saved presets.
- Press **Select/Enter** to tune to the selected preset station.

6.6 Display Settings

The 2.4-inch LCD display features adjustable brightness. Refer to the radio's menu options (usually accessed via a 'Menu' or 'Settings' button, or long-pressing a navigation button) to find and adjust the display brightness to your preference.

7. MAINTENANCE

- **Cleaning:** Wipe the radio's surface with a soft, dry, lint-free cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Battery Care:** If the radio will not be used for an extended period, remove the batteries to prevent leakage and corrosion.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	AC adapter not connected; Batteries depleted or incorrectly inserted.	Ensure AC adapter is securely connected. Replace batteries or check polarity.
Poor radio reception	Antenna not extended; Weak signal area; Interference.	Fully extend and adjust the antenna. Try moving the radio to a different location. Avoid placing near other electronic devices.
Bluetooth device won't pair	Radio not in pairing mode; Device too far; Bluetooth off on external device.	Ensure radio is in Bluetooth pairing mode. Move device closer. Enable Bluetooth on your external device.
No sound	Volume too low; Mute activated; Incorrect mode selected.	Increase volume. Check if mute is active. Ensure correct mode (DAB+, FM, Bluetooth) is selected.

9. SPECIFICATIONS



Figure 2: Dimensions of the Grundig MUSIC6500B radio.

Brand:	Grundig
Model Number:	GDB1090 (MUSIC6500B)
Color:	Black (Schwarz)
Tuning Technology:	DAB+, FM RDS
Radio Bands Supported:	FM/MW (DAB+ also supported)
Connectivity Technology:	Bluetooth (V5.0)
Bluetooth Range:	Up to 30 meters
Special Feature:	Portable
Display:	2.4-inch LCD with brightness adjustment
Audio Output:	2.5 W (with integrated passive bass radiator)
Presets:	30 FM stations, 30 DAB+ stations
Power Source:	AC adapter or Battery powered (AA batteries)
Dimensions (approx.):	15.1 cm (Length) x 8.8 cm (Height) x 3.9 cm (Depth)
Included Components:	User Manual
Country of Origin:	Germany

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Grundig website. Keep your proof of purchase for any warranty claims.

If you encounter any issues not covered in this manual, please contact Grundig customer service for assistance.
