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> Makita DMR301 10.8V / 12V / 18V Construction site Radio

Makita DMR301

Instruction Manual for Makita DMR301 Construction Site Radio

Model: DMR301

INTRODUCTION

The Makita DMR301 Construction Site Radio is a robust and versatile audio system designed for demanding work environments. It offers multiple power options, including AC and compatibility with Makita 10.8V, 12V, and 18V lithium-ion batteries. Featuring Bluetooth connectivity, DAB+ digital radio, FM/AM tuning, and an MP3 player connection, this radio provides high-quality audio and the added convenience of a battery charging function for compatible Makita batteries.



Figure 1: Front-left view of the Makita DMR301 Construction Site Radio.

SAFETY INFORMATION

Please read all safety warnings and instructions carefully before operating this product to prevent electric shock, fire, and serious injury. Keep this manual for future reference.

- **Power Source:** Only use the specified power adapter or compatible Makita batteries.
- **Water and Moisture:** Do not expose the radio to rain or wet conditions. While designed for construction sites (IP64 rated), avoid submerging it in water.
- **Ventilation:** Ensure proper ventilation around the radio to prevent overheating. Do not block ventilation openings.
- **Cleaning:** Disconnect from power before cleaning. Use a soft, damp cloth. Do not use harsh chemicals.

- **Battery Safety:** Only charge compatible Makita batteries. Do not attempt to charge non-rechargeable batteries. Follow all battery charging safety guidelines provided by Makita.
- **Placement:** Place the radio on a stable, level surface. Avoid placing it in direct sunlight or near heat sources.
- **Hearing Protection:** Prolonged exposure to loud sounds can cause hearing damage. Adjust volume to a comfortable level.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Makita DMR301 Construction Site Radio
- AC Power Adapter (corded charger)
- Instruction Manual (this document)

Note: Batteries are not included and must be purchased separately.

PRODUCT OVERVIEW

Familiarize yourself with the various parts and controls of your Makita DMR301 radio.



Figure 2: Front panel and controls.

1. **Power Button:** Turns the radio on/off.
2. **Source Button:** Switches between FM, DAB+, Bluetooth, and AUX modes.
3. **Volume/Tuning Knob:** Adjusts volume, navigates menus, and tunes radio frequencies.
4. **Display Screen:** Shows station information, time, battery status, and menu options.
5. **Preset Buttons (1-5):** Stores and recalls favorite radio stations.
6. **AUX IN Port:** For connecting external audio devices (e.g., MP3 players).
7. **USB Port:** For charging mobile devices (output only, not for data transfer).
8. **Battery Compartment:** Located on the side, for inserting Makita 10.8V/12V/18V batteries.
9. **AC Power Input:** For connecting the supplied power adapter.
10. **Antenna:** Extendable antenna for improved radio reception.



Figure 3: Front view of the radio.



Figure 4: Side view of the radio.



Figure 5: Back view of the radio.

SETUP

Powering the Radio

The DMR301 can be powered by either the supplied AC power adapter or compatible Makita lithium-ion batteries.

AC Power Operation

1. Connect the supplied AC power adapter to the AC power input port on the radio.
2. Plug the other end of the adapter into a standard wall outlet.
3. The radio is now ready for use.



Figure 6: Connecting the AC power adapter.

Battery Operation and Charging

The radio supports Makita 10.8V, 12Vmax, and 18V LXT lithium-ion batteries. It also functions as a charger for these batteries when connected to AC power.

1. Open the battery compartment cover on the side of the radio.
2. Insert a compatible Makita battery into the compartment, ensuring it clicks into place.
3. Close the battery compartment cover securely.
4. To charge a battery, ensure the radio is connected to AC power and a compatible battery is inserted. The charging indicator on the radio's display will show the charging status.



Figure 7: Inserting a battery into the compartment.



Figure 8: Compatible battery types (18V and 12Vmax Lithium-Ion).

Antenna Setup

For optimal radio reception, extend the antenna fully and adjust its direction as needed.

OPERATING INSTRUCTIONS

Turning On/Off

- Press the **Power Button** (⏻) to turn the radio on.
- Press and hold the **Power Button** again to turn the radio off.

Selecting a Source

Press the **Source Button** to cycle through available modes: FM, DAB+, Bluetooth, and AUX.

Radio Tuning (FM/DAB+)

FM Radio

1. Select FM mode using the **Source Button**.
2. Rotate the **Volume/Tuning Knob** to manually tune to a frequency.
3. Press the **Volume/Tuning Knob** to auto-scan for the next available station.

DAB+ Digital Radio

1. Select DAB+ mode using the **Source Button**.
2. The radio will automatically scan for available DAB+ stations upon first use or if no stations are found.
3. Rotate the **Volume/Tuning Knob** to browse through the list of available stations.
4. Press the **Volume/Tuning Knob** to select a station.



Figure 9: Digital display showing time and radio information.

Bluetooth Pairing

1. Select Bluetooth mode using the **Source Button**. The display will show "Pairing" or "BT Pairing".
2. On your Bluetooth-enabled device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
3. Select "DMR301" from the list of devices.
4. Once paired, the radio will confirm the connection, and you can now stream audio from your device.

Connecting an MP3 Player (AUX-in)

1. Connect one end of a 3.5mm audio cable (not supplied) to the AUX IN port on the radio.
2. Connect the other end of the audio cable to the headphone jack or audio output of your MP3 player or other audio device.
3. Select AUX mode using the **Source Button**.
4. Play audio from your connected device.

Volume Control

Rotate the **Volume/Tuning Knob** clockwise to increase volume and counter-clockwise to decrease volume.

Preset Stations

The radio allows you to store up to 5 preset stations for quick access.

Storing a Preset

1. Tune to the desired station (FM or DAB+).
2. Press and hold one of the **Preset Buttons (1-5)** until the display confirms the station has been saved.

Recalling a Preset

- Briefly press the corresponding **Preset Button (1-5)** to recall the stored station.

MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure all ports are dry before use.
- **Storage:** When not in use for extended periods, store the radio in a dry, cool place away from direct sunlight. Remove batteries if storing for a long time.
- **Antenna:** Handle the antenna carefully to avoid bending or breaking.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	No power supply; battery depleted; AC adapter not connected properly.	Ensure AC adapter is securely plugged in or battery is charged and inserted correctly.
Poor radio reception.	Antenna not extended; weak signal area; interference.	Fully extend and adjust the antenna. Try moving the radio to a different location.
Bluetooth device won't pair.	Radio not in pairing mode; device too far; device already paired with another unit.	Ensure radio is in Bluetooth pairing mode. Move device closer. Disconnect from other Bluetooth devices.
No sound from AUX-in.	Incorrect source selected; cable not connected properly; volume too low on source device.	Select AUX mode. Check cable connections. Increase volume on both the radio and the connected device.
Battery not charging.	Radio not connected to AC power; battery not inserted correctly; incompatible battery.	Ensure AC power is connected. Re-insert battery. Verify battery compatibility.

SPECIFICATIONS

Feature	Detail
Model Number	DMR301
Power Source	AC Power Adapter, Makita 10.8V / 12Vmax / 18V Lithium-Ion Batteries
Radio Bands Supported	FM, DAB+, AM
Connectivity Technology	Bluetooth
Hardware Interface	Bluetooth, AUX-in (3.5mm), USB (for charging)
Compatible Devices	MP3 Player, Smartphone, Tablet

Feature	Detail
Product Dimensions	11.02 x 7.48 x 12.8 inches (268mm L x 185mm W x 305mm H)
Item Weight	11.88 pounds (5.4 Kilograms)
Protection Class	IP64 (Dust and splash resistant)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Makita website or contact Makita customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Visit the official Makita website for the latest support resources: www.makitatools.com

