

B0DRC2RMZS

# Portable Ferrofluid Rhythm Speaker Instruction Manual

Model: B0DRC2RMZS

## 1. INTRODUCTION

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Thank you for purchasing the Portable Ferrofluid Rhythm Speaker. This unique device combines high-fidelity audio with a mesmerizing visual display of magnetic fluid, creating an immersive sensory experience. Please read this manual carefully before use to ensure proper operation and maintenance.

### **What is Magnetic Fluid (Ferrofluid)?**

Ferrofluids are remarkable liquids that become strongly polarized in the presence of magnetic fields. They are composed of magnetic solid particles with a diameter of nanometers, exhibiting both liquid fluidity and solid magnetic properties. In this speaker, ferrofluid is used to visualize sound, dancing and changing shape in rhythm with the music, providing a fantastic visual experience alongside the audio.

# WHAT IS A MAGNETIC FLUID?

Magnetic fluid, also known as magnetic liquid and ferrofluid, is composed of magnetic solid particles with a diameter of nanometer order (below 10 nanometers), which has the fluidity of liquid and the magnetic properties of solid magnetic materials. The magnetic fluid was developed by NASA to control fuel in zero-gravity spacecraft before fire. It is often used in aerospace, precision instruments, chemical industry, electronics and other fields. Due to the complexity of the production process of magnetic fluids, there are currently few laboratories in the world that can manufacture high-purity magnetic fluids.



Image: An illustration explaining what magnetic fluid is, showing a black ferrofluid blob reacting to a magnetic field.

## Key Features

- **Music Visualization:** Unique magnetic fluid maintains rhythm under warm white light, changing speed and shape according to the music.
- **High Fidelity Sound:** Features a HiFi level unit and independent sound cavity for clear, transparent sound with excellent low-frequency performance from a 10W internal magnetic full-range speaker and customized passive radiator.
- **High Quality Material:** Constructed with a high-transmittance mirror window and high-bay silicon glass, hand-made and polished for a sleek, bubble-free design.
- **Extraordinary Transparency:** Made with high borosilicate glass, the speaker's bottle body has over 90% light transmittance and an arc surface design, showcasing the magnetic fluid's flow and change.

## 2. PACKAGE CONTENTS

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Please check the box for the following items:

- Magnetic Fluid Speaker × 1
- Ferrofluid × 1 (Note: May be pre-installed or require user installation)
- Power Adapter × 1

- User Manual × 1 (This document)
- Magnet × 1 (For ferrofluid interaction)

### 3. PRODUCT OVERVIEW

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Familiarize yourself with the components and controls of your speaker.



Image: A close-up view of the magnetic fluid speaker, highlighting its hexagonal shape and the central ferrofluid display.

#### **Magnetic Attraction Structure**

The speaker features a magnetic attraction structure designed to allow for changes in ferrofluid. This design enables the use of different ferrofluid capacities to produce varying dynamic effects with the music.

# MAGNETIC ATTRACTION STRUCTURE

In order to meet the needs of users for changes in ferrofluid  
a new magnetic structure and an upgradeable ferrofluid kit are designed  
so that ferrofluid with different capacities can produce different changing effects in the same song



Image: An exploded diagram showing the internal components of the speaker, including the magnetic attraction structure and the ferrofluid chamber.

## 4. SETUP

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### Initial Placement

Place the speaker on a stable, flat surface away from direct sunlight, heat sources, and excessive moisture. Ensure there is adequate ventilation around the device.

### Power Connection

1. Connect the provided power adapter to the DC input port on the speaker.
2. Plug the power adapter into a standard wall outlet.
3. The speaker will power on automatically or can be turned on using the power button (refer to Operating Instructions).

### Ferrofluid Installation (If applicable)

If your ferrofluid is not pre-installed, carefully follow these steps:

1. Locate the ferrofluid chamber on the speaker. Refer to the "Magnetic Attraction Structure" diagram in

### Section 3.

2. Gently open the chamber according to the product design (e.g., by unscrewing a cap or removing a seal).
3. Carefully pour the provided ferrofluid into the chamber. Avoid spilling.
4. Securely close the chamber.
5. Wipe away any spills immediately with a soft, dry cloth.

*Note: The ferrofluid is a delicate component. Handle with care and avoid direct contact with skin or clothing. If contact occurs, wash thoroughly with soap and water.*

## 5. OPERATING INSTRUCTIONS

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This section details how to operate your Portable Ferrofluid Rhythm Speaker.

### Control Panel Overview

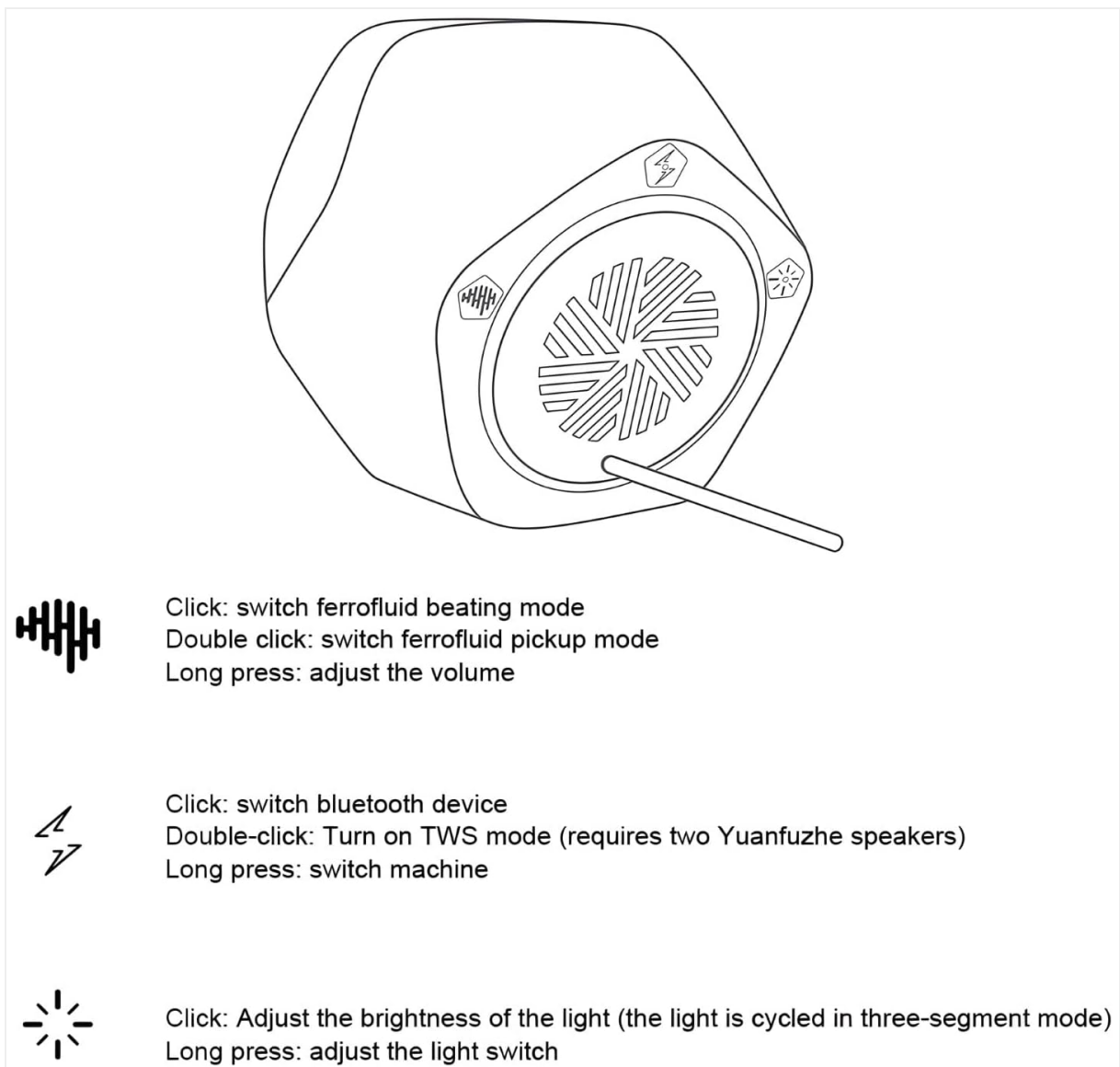


Image: A line drawing illustrating the top control panel of the speaker with icons and corresponding button functions for ferrofluid, Bluetooth, and light.

The speaker features intuitive controls on its top surface. Refer to the diagram above for button locations.

### Power On/Off

- **Power On:** Long press the **Power/Bluetooth** button.

- **Power Off:** Long press the **Power/Bluetooth** button again.

## Bluetooth Pairing

1. Ensure the speaker is powered on. It will automatically enter Bluetooth pairing mode (indicated by a flashing light or audio prompt).
2. On your device (smartphone, tablet, computer), enable Bluetooth and search for available devices.
3. Select "Ferrofluid Speaker" (or similar name) from the list of devices.
4. Once paired, the speaker will provide an audio confirmation, and the light indicator will change.
5. To switch Bluetooth devices, click the **Power/Bluetooth** button.

## Ferrofluid Modes

- **Ferrofluid Beating Mode:** Click the **Ferrofluid Mode** button to activate the ferrofluid's rhythmic movement synchronized with music.
- **Ferrofluid Pickup Mode:** Double-click the **Ferrofluid Mode** button to switch to pickup mode, where the ferrofluid reacts more directly to ambient sounds or specific frequencies.

## Volume Control

- **Adjust Volume:** Long press the **Ferrofluid Mode** button to adjust the volume. Continue pressing to cycle through volume levels.

## Light Control

- **Adjust Brightness:** Click the **Light Control** button to cycle through three segments of light brightness.
- **Light Switch:** Long press the **Light Control** button to turn the light on or off.

## True Wireless Stereo (TWS) Mode

If you have two Portable Ferrofluid Rhythm Speakers, you can pair them together for a stereo sound experience.

# 2 UNITS FORM A STEREO

Double surround sound field, immersive, phonological resonance, thoughts flying.



Image: Two ferrofluid speakers positioned on a media console, demonstrating a stereo setup in a modern living room.

1. Ensure both speakers are powered on and not connected to any Bluetooth device.
2. On one speaker (this will be the primary speaker), double-click the **Power/Bluetooth** button to enter TWS pairing mode.
3. The speakers will automatically search for and connect to each other. An audio prompt will confirm successful pairing.
4. Once paired in TWS mode, connect your device to the primary speaker via Bluetooth as described above. Audio will now play through both speakers in stereo.

## 6. MAINTENANCE

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### Cleaning

- Wipe the exterior of the speaker with a soft, dry, lint-free cloth.
- Do not use abrasive cleaners, solvents, or strong chemicals, as they may damage the surface or the ferrofluid chamber.
- Avoid getting moisture into any openings.

### Ferrofluid Care

- The ferrofluid is sealed within its chamber. Do not attempt to open the chamber or replace the ferrofluid unless specifically instructed by the manufacturer.
- Avoid exposing the speaker to extreme temperatures (hot or cold) or direct sunlight for prolonged periods, as this may affect the ferrofluid's properties.
- If you notice any leakage or unusual behavior of the ferrofluid, discontinue use and contact customer support.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Speaker does not power on.	Not connected to power; Power adapter faulty; Speaker faulty.	Ensure power adapter is securely connected to speaker and wall outlet. Try a different outlet. Contact customer support if issue persists.
Cannot pair via Bluetooth.	Speaker not in pairing mode; Device Bluetooth off; Speaker already paired to another device; Too far from speaker.	Ensure speaker is powered on and in pairing mode (flashing light). Turn Bluetooth on/off on your device. Disconnect speaker from other devices. Move device closer to speaker.
No sound or low sound.	Volume too low on speaker or device; Speaker not connected; Audio source issue.	Increase volume on both speaker and connected device. Re-pair Bluetooth. Check if audio is playing from the source device.
Ferrofluid not moving or reacting.	Incorrect ferrofluid mode; No audio playing; Ferrofluid issue.	Ensure correct ferrofluid mode is selected (Beating or Pickup). Play music or make sound. If issue persists, contact customer support.
TWS pairing failed.	Speakers too far apart; One speaker already connected to a device; Incorrect pairing steps.	Ensure both speakers are close to each other. Disconnect both speakers from any Bluetooth devices. Follow TWS pairing steps carefully.

## 8. SPECIFICATIONS

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Detailed technical specifications for your speaker:

Feature	Specification
Bluetooth Version	5.3
Acceptance Distance	10 meters (approx. 33 feet)
Number of Speakers	1 (Supports TWS for 2 speakers)
Output Power	10W
Ferrofluid Capacity	4ml
Lighting	Warm White
Material	ABS, High Borosilicate Glass
Dimensions (L*W*H)	137mm * 137mm * 127mm (approx. 5.4 x 5.4 x 5 inches)
Weight	500 g (approx. 1.1 lbs)
Model Number	B0DRC2RMZS



Image: A technical drawing of the speaker with its length, width, and height dimensions indicated in millimeters.

## 9. WARRANTY AND SUPPORT

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This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact the retailer.

For technical support, troubleshooting assistance, or inquiries about replacement parts, please contact the manufacturer or your point of purchase. Keep your purchase receipt and model number (B0DRC2RMZS) handy for faster service.

**Manufacturer:** generic