BenQ DW1600

BenQ DW1600 DVD+RW IDE Internal Disk Drive User Manual

Model: DW1600

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your BenQ DW1600 internal DVD+RW IDE disk drive. Please read this manual thoroughly before using the product to ensure proper and safe operation.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always disconnect power from your computer before installing or removing any internal components.
- Handle the drive by its edges to avoid touching the circuit board or optical lens.
- Do not expose the drive to moisture or extreme temperatures.
- This device contains a laser. Do not attempt to open the drive casing or repair it yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- BenQ DW1600 Internal DVD+RW Drive
- IDE Data Cable (typically 80-conductor)
- Mounting Screws
- Quick Installation Guide (this document serves as a comprehensive guide)
- Software CD (may include drivers or burning software, if applicable)

4. SETUP AND INSTALLATION

4.1 Physical Installation

1. **Prepare your computer:** Power off your computer and unplug the power cord. Open the computer case.
2. **Select a drive bay:** Locate an available 5.25-inch drive bay. Remove the front panel cover if necessary.
3. **Set Jumper Settings:** On the back of the DW1600 drive, locate the jumper block. Set the jumper for Master, Slave, or Cable Select according to your system's configuration. Consult your motherboard manual for proper IDE device configuration.
4. **Mount the drive:** Slide the DW1600 drive into the selected bay from the front of the case until the screw holes align. Secure the drive with the provided mounting screws on both sides.
5. **Connect IDE cable:** Connect one end of the IDE data cable to the IDE connector on the back of the DW1600 drive. Connect the other end to an available IDE controller on your motherboard. Ensure the red stripe on the cable aligns with Pin 1 on both the drive and the motherboard connector.
6. **Connect power cable:** Connect a 4-pin Molex power connector from your power supply to the power input on the back of the DW1600 drive.
7. **Close computer case:** Replace the computer case cover and reconnect the power cord.

4.2 Driver Installation

The BenQ DW1600 is generally plug-and-play with most modern operating systems (Windows XP/Vista/7/8/10, Linux). Drivers are typically detected and installed automatically. If prompted, insert the provided software CD or visit the BenQ support website for specific drivers.

5. OPERATING INSTRUCTIONS

5.1 Loading and Ejecting Discs

- **To Load:** Press the eject button on the front of the drive. The disc tray will open. Place a disc (label side up) onto the tray, ensuring it sits correctly in the center. Gently push the tray back into the drive until it clicks shut, or press the eject button again.
- **To Eject:** Press the eject button on the front of the drive. Alternatively, right-click the drive icon in "My Computer" or "This PC" and select "Eject".
- **Emergency Eject:** In case of power failure or software malfunction, locate the small pinhole on the front of the drive. Insert a straightened paperclip into the pinhole and push gently to manually open the disc tray.

5.2 Reading and Writing Data

The BenQ DW1600 supports reading and writing various CD and DVD formats, including DVD+R, DVD+RW, and DVD+R DL. To read data, simply insert a disc. Your operating system or installed media player software will typically recognize the disc content.
To write data, you will need compatible burning software (e.g., Nero, Roxio, or built-in Windows burning utilities). Follow the instructions provided with your chosen software to create data discs, audio CDs, video DVDs, or backup files.

6. MAINTENANCE

- **Cleaning the Exterior:** Use a soft, dry cloth to wipe the front panel of the drive. Do not use harsh chemicals or abrasive cleaners.
- **Disc Care:** Keep discs clean and free of scratches. Store them in protective cases when not in use.
- **Internal Cleaning:** Avoid attempting to clean the internal optical lens yourself. This can cause damage and void your warranty.

7. TROUBLESHOOTING

If you encounter issues with your BenQ DW1600 drive, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drive not detected by computer.	Incorrect cable connection, incorrect jumper setting, power issue.	○ Check IDE data and power cable connections. ○ Verify jumper settings (Master/Slave/Cable Select). ○ Ensure power supply is adequate and connected. ○ Check BIOS settings to ensure IDE controller is enabled.
Disc tray does not open/close.	Power issue, mechanical obstruction, software conflict.	○ Check power connection. ○ Use emergency eject hole. ○ Restart computer.
Cannot read or write discs.	Dirty/damaged disc, incompatible disc format, software issue, dirty lens.	○ Try a different, known-good disc. ○ Ensure disc format is supported (DVD+R, DVD+RW, DVD+R DL). ○ Update or reinstall burning software. ○ Do not attempt to clean the lens yourself.

8. SPECIFICATIONS

- **Model Number:** DW1600
- **Type:** Internal DVD+RW (+R DL) IDE Disk Drive
- **Interface:** IDE (PATA)
- **Form Factor:** 5.25-inch
- **Supported Media:** DVD+R, DVD+RW, DVD+R DL, CD-R, CD-RW, CD-ROM, DVD-ROM
- **Item Weight:** 3.91 ounces
- **Package Dimensions:** 0.04 x 0.04 x 0.04 inches (*Note: These dimensions appear to be placeholder/incorrect from source data, actual drive dimensions would be larger*)
- **Manufacturer:** BenQ

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official BenQ website or contact BenQ customer service. Keep your purchase receipt as proof of purchase for warranty claims.
BenQ Support: https://www.benq.com/en-us/support.html