Dell External USB Slim DVD-ROM Optical Drive-DP61N

User's Guide

NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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Information in this document is subject to change without notice.
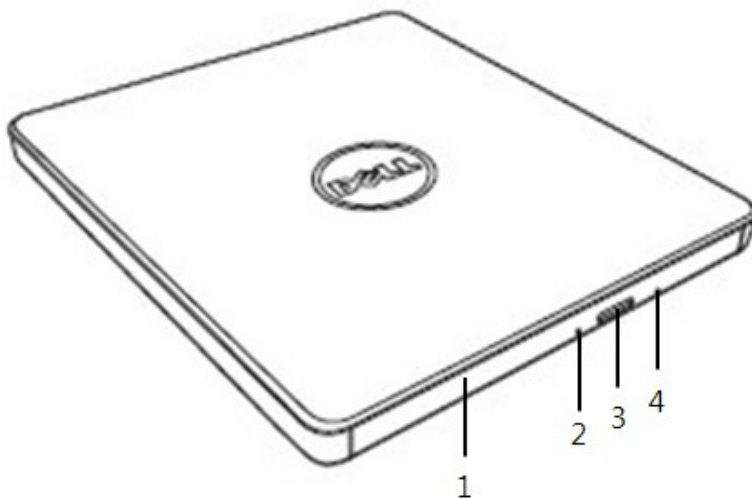
Introduction

Drive Description

This is a read only drive and reads CD and DVD media (Refer to Specification section for specific media types). This drive has a slim form factor.

Special Features Of The Drive

- USB 2.0 Interface (480 Mbits/s).
- Drawer load type, portable slim USB DVD-ROM Drive.
- CD-R/RW, DVD-R/RW/RAM/+R/+RW/+R DL/-R DL, M-DISC (DVD+R SL) read compatible.
- CD Family and DVD-ROM read compatible.
- Improved Buffer Under Run Error handling through the Preventive function.

1. Supports both 12 cm and 8 cm standard round-type disc.
2. PC USB powered, no AC adaptor needed.
3. Eject button to eject the disc when the optical drive is being connected and powered by computer.
4. Emergency Eject hole to manually eject the disc in case of a drive failure or a power outage.

Using the Drive

Front Panel

1. **Disc Tray**
   The disc tray opens automatically when you press the eject button. When you place a disc in the tray, ensure that the label on the disc is facing outwards. If you are not loading or unloading a disc, the tray should remain closed.

2. **Indicator Light**
   The light blinks when there is drive activity.

3. **Eject Button**
   Press this button to open the disc tray. This button works only when power is supplied to the drive.

4. **Emergency Eject Hole**
   If the disc tray does not open when you press the eject button, power off the computer, insert a pin or unfolded paper clip in the hole and push firmly. Refer to Emergency Eject instructions below.

Rear Panel

1. USB port
Connect to the computer's USB port.

Drive Operation:

Inserting a Disc

- Press the eject button. The disc tray will be ejected.
- Place the disc in the center of the tray with the label side facing up.
- Push disc onto hub until secure.
- Push the disc tray by hand and completely close.

Removing a Disc

- Press the eject button. The disc tray will be ejected.
- Remove the disc.
- Push the disc tray till it closes completely.

✎ **NOTE:** *During some drive activities, the drive will not allow the tray to open even when the eject button is pressed.*

Usage Guidelines

- Do not press down on the disc tray when it is in opening or closing operation.
- Do not place objects on the disc tray.
- Never use a damaged, broken, scratched, or deformed disc.
- Keep the disc tray closed when the drive is not in use.

NOTE: *High-speed drives spin the disc at a high rotational speed. If a disc has printing on only half of the disc, or if there is a slight imbalance in the disc, the imbalance is greatly magnified by the high speed, causing the drive to vibrate or produce a fan-like noise. These effects are inherent in the high-speed technology and do not indicate a problem with the drive.*
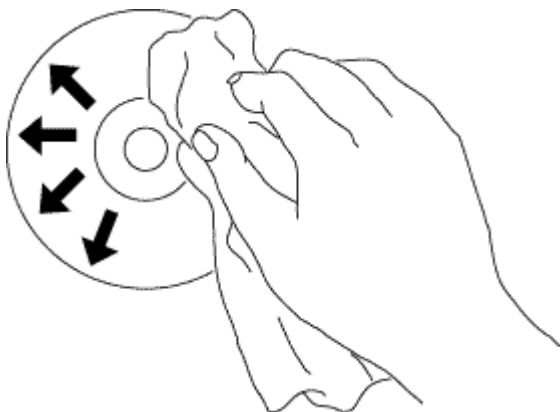
Emergency Eject

The procedure described below can be used to remove a disc from the drive if the eject button is disabled by software or if a power failure occurs.

1. Turn the computer off.

2. Insert a small diameter rod or a stiff wire (a straightened paper clip about 1.2 mm [0.047 in] in diameter) into the emergency eject hole and push firmly.

3. The disc tray is ejected by about 10 mm (0.39 in). Pull the disc tray out.

NOTE: *Do not insert more than 50 mm (1.9 in) in depth.*
Inserting more than 50 mm (1.9 in) may damage the drive.

Cleaning Media

• If dust or fingerprints get on the disc, wipe it with a soft cloth from the center to the edge.

⚠️ **CAUTION: Do not use benzene, paint thinner, record cleaner, solvent or static repellent. This can damage the disc.**

Safety Instructions

- *Do not move the drive suddenly from a cold place to warm one. Condensation may cause abnormal operation.*

- *Make sure to remove the disc before moving the drive to prevent the possible damage to the disc.*

- *Do not use the Emergency Eject feature except in case of a power outage.*

- *Prevent foreign objects, such as liquids or metal, from entering the drive and in the case a foreign object enters the drive, please consult the dealer where the drive was purchased.*

- *Do not interrupt the electric power while the drive is operating.*

- *Do not attempt to open the cover. To reduce the risk of electric shock, do not remove the cover. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.*

- *While drive is operating, do not move the drive or give a shock to the drive, since it can cause damages to the disc.*

- *Please pay attention to handling Electrostatic Sensitive Devices; you may use anti-static products such as wrist, heel straps, and mats to protect your body from electrostatic.*

- *Please do not connect the extension cable by any means other than specified.*

- *The drive is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with drive.*

Cleaning the Drive

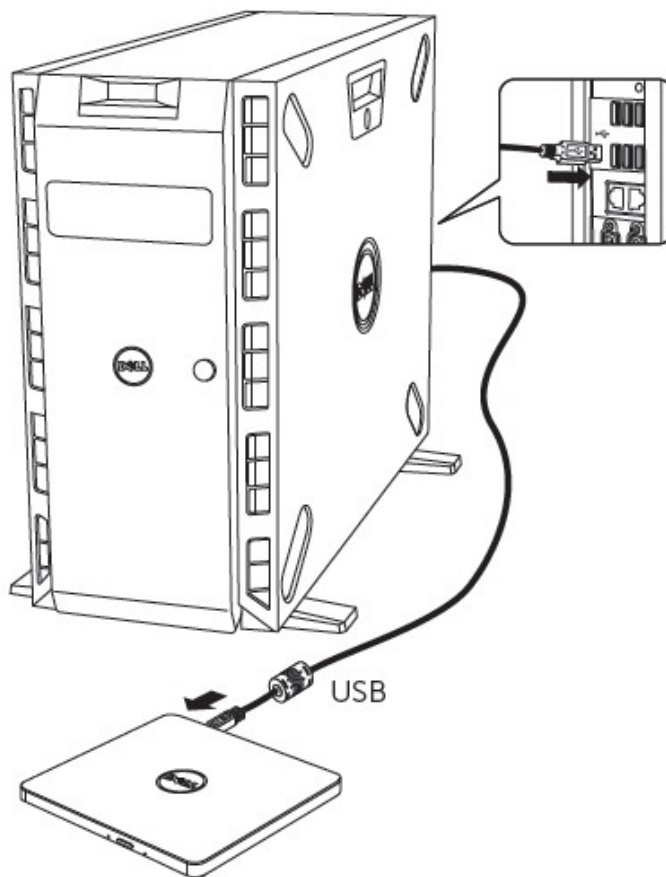Cleaning the inside of the drive is not recommended.

Connectivity

Installation

These instructions apply to most commonly used computers.

Before connection

- Make sure you have a computer with any open USB port before connecting the drive to your computer.
- Connecting the drive with the wrong interface port can cause it to malfunction. Follow the instructions when connecting the drive.

Connecting to computer

1. Connect the USB cable to a USB connector on your computer. This drive does not have power switch.
   The drive turns on when connected to your computer.
2. When the computer is ready, confirm that the drive is detected.

Usage of the extended cable

Disconnection

The disconnection procedure varies depending on your OS.
The drive supports the plug and play (not swap) function of Windows, and can be removed and inserted by performing the following operation.

1. Stop the application software that is using the optical disk drive.

2. Click the icon " "of the task bar located on your screen's bottom right side.

3. Operate following the message displayed, if any.

4. Remove the USB cable.

NOTE: Do not remove USB cable when the busy indicator on the drive blinks, or during computer start up.

Troubleshooting

Symptoms and Solutions

Symptoms	Solutions
1. Drive is not recognized by system.	1-1. Drive cable may be connected improperly. Verify the interface cable is connected properly. Disconnect and reconnect the drive. 1-2. Portable USB drive may not be configured properly. The drive gets its power from the USB interface. The use of non-powered hubs and/or daisy-chaining USB peripherals can keep the drive from getting enough power to function. Try plugging the drive directly into the USB port on the computer.
2. Cannot read or play disc.	2-1. If the disc is dirty (fingerprints, etc.), clean it with a non-abrasive cloth from the disc center hole to the outside. 2-2. If the disc is scratched and warped, do not insert it into the drive. 2-3. If the disc is inserted upside-down, reinsert it in the proper direction. 2-4. If the drive is not recognized, refer to section 1 above. 2-5. Check to see that the necessary software applications are installed correctly.
3. Certain types of discs do not play.	3-1. This drive only supports discs with the formats indicated in the Specifications section. It cannot read the data on discs with other formats. Check the disc's format.
4. Drive activity indicator does not light up.	4-1. Drive cable may be connected improperly. Verify the interface cable is connected properly. Disconnect and reconnect the drive. 4-2. Portable USB drive may not be configured properly. The drive gets its power from the USB interface. The use of non-powered hubs and/or daisy-chaining USB peripherals can keep the drive from getting enough power to function. 4-3. Try plugging the drive directly into the USB port on the computer.
5. Drive will not read at maximum speed.	5-1. Make sure disc is clean and free of scratches.

6. Cannot insert disc.	6-1. Check to see that the system is powered up. (The indicator LED light will blink on pressing the eject button on the drive.)
	6-2. Press eject button to check if a media is inside the drive.
	6-3. Turn off the drive (or PC) and then turn it on again. It will reset and allow the drive to return back to normal condition.
7. Cannot eject disc.	7-1. Check to see that the system is powered up. (The indicator LED light will blink on pressing the eject button on the drive.)
	7-2. If a media is stuck in the drive, please turn off the drive (or PC) then turn on it again. Under normal condition, it will reset and allows normal operation of the drive to resume.
	7-3. Use Emergency Eject instructions to eject a disc. Please refer to the Using the Drive section.
	7-4. If the system is capable of booting into an operating system, attempt to issue an eject command from within the operating system

Specifications

System Interface	Data transfer speed	External(Host): USB 2.0 (480Mbit/s) Internal(Drive): T13 ATA/ATAPI-8, MMC-6, INF-8090i v8
Supported disc formats	Read	DVD-ROM(Single/Dual), DVD-RW, DVD-R, DVD+RW, DVD+R, DVD+R Double layer, DVD-R Dual layer, DVD- RAM, M-Disc (DVD+R SL), CD-Digital Audio & CD-Extra, CD-Plus, CD-ROM, CD-ROM XA-Ready, CD-I FMV, CD-TEXT, CD-Bridge, CD-R, CD-RW, Photo-CD (Single & Multi-Session), Video CD
CD		
	Read CD-R/RW/ROM	24 x max. CAV
	Digital Audio Extraction (DAE)	24 x max. CAV
DVD		
	Read DVD-ROM (Single Layer / Dual or Double Layer)	8 x max. CAV
	Read DVD-R/-RW/-R Dual layer	8 x max. CAV
	Read DVD+R/+RW/+R Double Layer	8 x max. CAV
	Read M-Disc (DVD+R SL)	8 x max. CAV
	Read DVD-RAM	6 x max. CAV
Power Consumption	Typical	Stand-by (Sleep) 113 mA Continuous Read 700 mA Seek 800 mA
Acoustic noise	Operating (Sound pressure level, typical)	Less than 50 dBA at 0.25 m away from bezel and 0.45 m heights away.

Power supply	Voltage	+5 V +/-5 % ripple less than 100 mVp-p
Temperature	Operating C (F)	5 ° to 40 ° C (41 ° to 104 ° F)
	Non-operating C (F)	-30 ° to 60 ° C (-22 ° to 140 ° F)
Relative Humidity	Operating (No condensation)	15 % to 85 %
	Non-operating (No condensation, Power Off, without disc)	10 % to 90 %
Altitude	Operating m (ft)	0 m ~ 3,000 m
	MTBF:	60,000 power on hours (POH)
Dimensions and weight		
	Width	144 mm
	Depth	137.5 mm
	Height	14 mm
	Weight	About 200 g

Regulatory

Regulatory Information

Dell DVD-ROM Drive – DP61N(DP61NB60) complies with the FCC/CE rules and abides by worldwide regulatory compliance, engineering, and environmental affairs.

Contacting Dell

1. Visit www.dell.com/support

2. Select your support category

3. Select the appropriate service or support link based on your need.