

## **Federal Communications Commission (FCC) Statement**

This equipment has been tested and found to comply with the limits for a class B device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician help.

## **FCC Warning**

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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# 1. Use Precautions

These precautions explain how to use the device correctly and safely, thereby preventing injury to you or to others. This section relates to your personal safety, and also helps you minimize the risk of damaging the device. Please read carefully before proceeding.

## 1.1. Warning for Safety

- Do not open the device or attempt to disassemble or to modify it.
- Do not look inside the device. If you expose your eyes to the laser inside the device, you risk damage or loss of your eyesight.
- Do not insert fingers or foreign objects into the device.
- Do not expose the device to rain, use it near water or in damp or wet conditions or place containers on it that contain liquids which might spill into any openings.
- Follow the Operation Manual carefully. Follow the correct procedure when setting up the device.
- If unusual smells, sounds or smoke emanate from the device or if liquids enter the device, switch the computer off immediately and unplug it from the power outlet.
- Make sure the computer is electrically grounded.
- When opening the computer, always unplug the computer from the electrical outlet. Do not touch the plug with wet hands.
- When used in a fan-cooled system, the device should not be exposed to temperatures outside the range of 5 ~ 40 °C.

## 1.2. Warning as to Use

This Portable USB2.0 DVD-ROM/CD-RW drive together with software is a product for utilizing CD-RW recording media with rewriting, erasing and readout capabilities, as an external computer memory device. Except in the case where copying of CD-ROMs or the like is especially recognized under the copyrights laws as being for the purpose of individual use by the customer or the like, or in the case where the customer has obtained permission to make copies from the right holder, reproduction of CD-ROMs and copyright laws. Take notice that unauthorized copying may be subject to claims for damages and to penalties.

# 2. Introduction

## 2.1. Overview

Thank you for purchasing Portable USB2.0 DVD-ROM/CD-RW Combo drive. In this manual, we will explain how to install your Combo drive correctly. Please read this manual carefully before using the drive. The Combo drive provides 24X CD-RW writing, 24X CD-R writing, 24X CD-ROM reading and 8X DVD-ROM reading.

### POWER-BURN

POWER-BURN is a new technology that automatically prevents buffer under-run errors by predicting them before they happen. This Combo drive features POWER-BURN technology to enable stable writing in the following situations where buffer under-run errors may otherwise occur in a conventional drive.

- With high-speed writing,
- When some other operation is being performed on the computer during writing,
- When writing CD-R/CD-RW from a CD-ROM drive,
- When writing directly via network.

### High Reliability

An improved anti-heat design and the OPC design boost recording reliability. Optimum Power Control continually monitors signal levels during recording and adjusts laser power to compensate for a dirty disc. This feature ensures a flat signal, significantly enhancing reliability.

### High Compatibility

The Combo drive supports all major CD formats, offering full backward-compatibility through the huge installed base of CD-ROM drives and media. What's more, reordered CD/RW media can be played in a DVD player with multi-read feature, maintaining future compatibility.

## 2.2. Features

- Bring everywhere
- Best combination of USB2.0 high-speed & high-quality data writing
- Best compatibility with recording software
- Hot plug & play
- Fast and easy installation for PC
- Compliant with Orange Book Part II (CD-R) and Part III, Volume 2 V1.0 (CD-RW)
- POWER-BURN has made auto-avoidance against buffer under run errors possible

- OPC<sup>1</sup> technology boosts recording reliability
- Supports random UDF for easy writing to CD-R/RW discs
- 2 MB Buffer Memory
- Support PIO Mode4 and UDMA<sup>2</sup> (Optional)
- Support disc diameters of 12 cm and 8 cm
- Emergency disk unload

## 2.3. Format Compatibility

This Combo drive is compatible with the following formats:

"Read" means Data Transfer; "Play" means Audio Play back

Format	Write	Read	Play
CD-DA	Y	Y	Y
CD-ROM	Y	Y	
CD-Extra	Y	Y	Y
CD-ROM/XA	Y	Y	
Photo-CD*	Y	Y	
CD-I*	Y	Y	
CD-ROM+CD-DA	Y	Y	
Video-CD	Y	Y	
CD-Text	Y	Y	
CD-R	Y	Y	Y
CD-RW	Y	Y	Y
DVD-ROM		Y	

\* CD-I, Photo-CD requires special reader/player; Photo-CD writing requires Kodak license

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<sup>1</sup> Continuously monitors the signal level during recording and adjusts the laser power to compensate when the disc is dirty, insuring a flat signal.

<sup>2</sup> The compatibility of UDMA function is interrelated with the chipsets of motherboard.

### 2.4. Type of Writing

#### Disc-At-Once

When only a single recording session (lead in/data/lead out) is to be recorded onto a disk, it is called "Disc-At-Once".

When using Disc-At-Once, no additional data can be recorded onto the disc, even if there is available capacity.

The advantage of this method recording is that it enables creation of discs that can be played back on almost any CD player or CD-ROM drive, because there are no links inserted between the data tracks.

#### Track-At-Once

When many sessions are to be recorded onto a disc, it is called "Track-At-Once". If there is space available on the disc, additional data can be recorded onto it.

The advantages of this method include being able to record additional sessions onto a disc, and using a CD-ROM of backup data. (Refer to "Multisession".)

#### Session-At-Once

A "Session-at-Once" recording almost corresponds to a "Disc-at-Once recording", i.e. all data ("Lead-in", data area and "Lead-out" are written in one go.

The only difference is that the CD is not "finished", i.e. after a "Session-at-Once" recording you still have the possibility to write a further "Session" on the CD at a later date.

#### Multi-session

The recording of lead-in/data/lead-out is referred to as one session. The Disc-At-Once method is also referred to as "Single Session", because the disc is only recorded once. A disc that has had multiple additional session recorded onto it using the Track-At-Once method is called "Multisession".

#### Packet Write

The Packet Write recording method was developed. It differs from Track-At-Once or Disc-At-Once in that data is recorded in small fixed sectors of 64k bytes, known as packets.

The advantages of this method are elimination in overhead per session and the elimination of buffer under run errors. This method, however, cannot be utilized for audio data. A number of formats, such as UDF and CD-R FS, can be used when recording using the Packet Write method.

## 3. Hardware Installation

The installation of this Portable USB2.0 Combo drive is fast and easy. Please follow these instructions described below:

### 3.1. System Requirements

A PC system with the following features is highly recommended for ensuring a stable Combo drive performance.

- **CPU:** Pentium II 350 MHz or higher
- **Operating System:** Windows XP/2000/ME/98SE
- **Memory:** 64MB minimum, 128MB recommended
- **CD-ROM Drive:** Minimum 16X drive recommended
- **USB2.0** Host controller card (Please be informed that you do not need to install one if your motherboard is equipped with an USB2.0 controller on it.)
- **USB2.0** certified cable (Included)

- **Writing Software:**

The drive requires CD writing software to write onto a CD-R/RW disc. When you use the CD writing software, make sure that it supports this drive.


- **Hard Drive Space:**

When writing to a CD-R/RW disc, you will need a working area (50 to 100 MB free space) on the hard drive. When creating an image file for all data to write to a CD-R/RW disc, in addition to the working area, you will need as much hard drive space as that data (up to 800 MB in total). However, such hard drive space for the image file is not needed when you are directly writing from a hard drive, CD-ROM drive or so on (on-the-fly writing).

## 3.2. Hardware Instruction

### Front Panel



 ***Don't use force to pull out or push in the disc tray. This might cause damage to the loading section of the drive.***

- **Disc Tray**  
This is the tray for the disc. Place the disc on the ejected disc tray, and then slightly push the tray (or push the eject button), the CD will be loaded.
- **Eject Button**  
This is the button used to eject or bring in the disc tray.
- **Busy Indicator**  
When the disc tray or disc is being accessed, the light shines or flashes. Even when a disc is loaded or a disc is not being accessed, the light goes out. When an illegal disc is loaded or some hardware trouble occurs, the indicators blinks.
- **Emergency Eject Hole**  
When the drive cannot eject the disc tray because of power failure, pushing the emergency eject hole of the front panel by the thin pole make drive be able to eject the disc tray.





 ***This function is only for emergency case. Do not use this function in usual case to prevent from mechanical damage.***

## Rear Panel



- **Power Cord Connector**  
Used to connect to the host computer's power supply (DC 5V).
- **USB2.0 Cable**  
The cable is used to connect the USB2.0 certified cable to USB2.0 port. Please use the USB2.0 cable we provide in order to achieve the best performance.

### **3.3. Installing Portable USB2.0 Combo drive**

Please install your Portable USB2.0 Combo drive according to following steps,  
Installing Your Combo drive:

1. First, plug the power cable to your Combo drive.




2. Secondly, connect the AC adapter to a properly grounded AC outlet.



3. Finally, connect the other end of the USB2.0 cable to the USB2.0 port of your computer and the system will detect the new device automatically.



 ***This Combo drive must be horizontally installed and operated.***

 ***Please be informed that this Combo drive can be detected automatically under Windows environment. Users do not need to install any driver for it.***

### **3.4. Convertible Adapter**

Three convertible AC adapters are provided: one for Europe, one for Australia, and one for the United Kingdom (UK).



European adapter



Australian adapter



UK adapter

## Specification

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We always dedicated to provide users a much friendlier computer environment. We now bring you an easy but useful way to change your adapter during your journey in foreign country. Please follow the steps shown below to change the adapters.



First of all, remove the plastic cover from the US standard plug. A rabbit will show.

Secondly, insert the converting adapter into the rabbit in order to fix it securely to the plug.






Finally, you will hear a clipped sound. That's it!



## 3.5. Supported CD-R and CD-RW Discs

### Supported Discs

This drive can write to discs that carry the following logos:

	<p><b>CD-R discs</b></p> <p>This Combo drive can write to these discs at 2x, 4x, 8x, 16x, 20x, 24x speed. These discs can be played back in a CD-ROM drive or a CD player.</p>
	<p><b>CD-RW discs</b></p> <p>This Combo drive can write/re-write at 2x or 4x speed on those discs that support 4x speed. These discs can be read/played on a CD-ROM that supports "Multi-Read".</p>
	<p><b>High Speed CD-RW discs</b></p> <p>This disc allow writing/re-writing at 24x speeds. This CD-RW drive can write/re-write these discs up to 24x speed. These discs can be read/played by a CD-RW drive that bears the High Speed CD-RW logo.</p>

### The handling of CD-R and CD-RW Discs

Please read the following regarding the handling of DVD-ROM, CD-R and CD-RW discs.

- Do not expose the discs to excessive heat such as in direct sunlight or near a heater. Also avoid keeping them in a humid place.
- Do not touch disc surfaces. When handling a disc, hold it by its edges.
- Remove dust and dirt from disc surfaces. Use air-based dust removers. The surfaces may be scratched if wiped with a dry cloth.
- Do not stick labels on disc surfaces.
- Do not write on disc surfaces except where indicated.
- Do not clean discs with chemicals or detergents.
- Do not bend or drop discs

## 4. Software Installation

### 4.1. Before You Start

Please understand that CD recording is a non-interruptible process. Therefore, a stable recording environment is a must. If you have a HDD set up only for CD recording purpose, the recording process shall be smooth.

However, if an extra HDD is not available, you might prefer carrying out the following steps to optimize your Windows 98 / 98SE CD recording arrangement:

- Close all resident programs that include Anti-Virus, Screen Saver, System Agent, Power Management, etc. Turn off Auto Insert Notification. Further, maximizing and minimizing windows are not recommended either. If not, any operation of these applications will intrude the CD recording process and damage your disk.
- Defrag your HDD before any CD recording. This is particularly important
- When you write files to CD from HDD. Defragment of HDD reallocates all the files so that these relevant files are placed in the nearby clusters. This saves time and risks when CD Burning Software is trying to search for the files you want to record on CD.

### 4.2. Installing CD-R / RW Burning Software

The application CDs, free for users, can be found in the accessory bag. However, we reserve the right to make changes to the application CD. These changes may be made without advanced notice.

#### 1. Nero Burning ROM

Nero Burning ROM is an exciting and powerful CD burning application. Please refer to the README.txt file in the CD to peruse more detailed information about the Nero Burning ROM.

#### 2. Backup Now

Backup Now allows you click and drag the file; you want to save, into a file CD similar to [File Manager]. Please put a formatted CD-RW into the Combo drive before saving files.

#### 3. Power DVD

Power DVD is one of the most popular VCD/DVD applications. Power DVD supports a variety of VCD/DVD formats. Additional information about Power DVD can be found in the README.txt file in the CD directory.

For information on installing procedures and how to use the authoring software, please refer to the manual that came with it. If you want to use another type of authoring software not bundled with this Combo drive, please refer to each manual on how to install and operate. Please note that some authoring software or version of authoring software does not support this Combo drive.

## 5. Technical Support

### 5.1. Troubleshooting

#### Write problems

Symptom	Possible Causes	Solutions
No drive recognition	Bad connection between USB2.0 cable and your Combo drive.	<ul style="list-style-type: none"> <li>• Ensure that USB2.0 cable is not damaged.</li> </ul>
	Using other writing software which not supports your Combo drive.	<ul style="list-style-type: none"> <li>• Use the writing software provided with this Combo drive. When using other software, ensure your Combo drive is supported by contacting the software supplier.</li> </ul>
Cannot write	Using other writing software which not supports your Combo drive.	<ul style="list-style-type: none"> <li>• Use the writing software provided with this Combo drive. When using other software, ensure your Combo drive is supported by contacting the software supplier.</li> </ul>
	Disc inserted upside down.	<ul style="list-style-type: none"> <li>• Reinsert the disc with label side up.</li> </ul>
	No power.	<ul style="list-style-type: none"> <li>• Check if the power cord is securely connected to the connector.</li> </ul>
	USB2.0 cable isn't connected properly	<ul style="list-style-type: none"> <li>• Ensure the cable of connectors are not damaged.</li> </ul>
Cannot add writing on CD-RW	Install more than one CD writing software simultaneously.	<ul style="list-style-type: none"> <li>• Remove other writing software. Just keep one software on your hard disk.</li> </ul>
	Wrote with another writing software	<ul style="list-style-type: none"> <li>• If different writing software is used comparing to the previous writing, errors may occur. Use always the same writing software.</li> </ul>
Cannot write at highest speed	Short of CD-RW capacity	<ul style="list-style-type: none"> <li>• Capacity of CD-R/RW media is limited to 650MB (74 min-type) including lead-in, lead-out and TOC data. Use a new CD-R/RW media if the capacity is insufficient for the additional data.</li> </ul>
	CD-R/RW media not compatible with the highest speed.	<ul style="list-style-type: none"> <li>• Use the highest speed compatible discs or writ with lower speed.</li> </ul>
	Defective CD-R/RW media.	<ul style="list-style-type: none"> <li>• CD-R/RW media may be dirty, scratched or damaged. Rewrite on another CD-R/RW media.</li> </ul>
	Using other writing software not bundled with your Combo Drive .	<ul style="list-style-type: none"> <li>• Use the writing software provided with this Combo drive. When using other software, ensure your Combo drive is supported by contacting the software supplier.</li> </ul>
	Source Drive not supports highest speed on the fly.	<ul style="list-style-type: none"> <li>• Copy all files to hard disk, and then write from hard disk to CD-R. Otherwise, please slow down writing speed.</li> </ul>
	Source Disc is bad-quality	<ul style="list-style-type: none"> <li>• Make image files then burn image file onto the CD-R/RW disc.</li> </ul>
	DMA function disable	<ul style="list-style-type: none"> <li>• Ensure to enable DMA function on both source and target drives.</li> </ul>

## Specification

### Read problems

Symptom	Possible Causes	Solutions
No drive recognition	USB2.0 cable and the Combo drive not connected properly.	<ul style="list-style-type: none"> <li>• Ensure both connectors of USB2.0 cable is properly connected to the USB2.0 ports on the main board and Combo drive..</li> </ul>
	Power is not switched on.	<ul style="list-style-type: none"> <li>• Check if the LED of your Combo drive is lit. If not, there is no power.</li> </ul>
No operation	No power	<ul style="list-style-type: none"> <li>• Check if the power cord is connected securely to the connector.</li> </ul>
	USB2.0 cable isn't connected properly.	<ul style="list-style-type: none"> <li>• Ensure the USB2.0 cable and connectors are not damaged.</li> </ul>
Cannot read photo CD discs	Bad photo CD disc.	<ul style="list-style-type: none"> <li>• Try to play another photo CD disc and see if it reads fine. If it works, you should replace the defective disc.</li> </ul>
	Need special application software	<ul style="list-style-type: none"> <li>• Check if install "Kodak Photo CD Access Plus Software".</li> </ul>
Cannot read CD-I discs	Need special application software	<ul style="list-style-type: none"> <li>• Check if install application software such as "Cyberlink Powerplayer"</li> </ul>
Read error occurs	Defective CD-ROM disc	<ul style="list-style-type: none"> <li>• Deep scratches, fingerprints or other contaminates on the discs surface can disable the drive from reading data. Always keep it clean.</li> </ul>
	Music CD inserted.	<ul style="list-style-type: none"> <li>• Because audio compact discs do not have computer data, typing computer commands while an audio CD is in your drive will result in an error message.</li> </ul>
	Disc inserted upside down.	<ul style="list-style-type: none"> <li>• Remove the disc from tray and reinsert it with the label side up.</li> </ul>
Excessive noise when reading	Eccentric disc loaded.	<ul style="list-style-type: none"> <li>• Replace it by another one.</li> </ul>
	Seal attached on the surface.	<ul style="list-style-type: none"> <li>• Detach the seal very carefully. Don't make any scratches.</li> </ul>
Cannot eject tray	Eject locked by software.	<ul style="list-style-type: none"> <li>• When you are working under Windows 9x, check if locked on the Combo drive properly.</li> </ul>
	CD set incorrectly into tray.	<ul style="list-style-type: none"> <li>• Insert emergency eject stick into the emergency eject hole and eject the tray. Use a pair of tweezers or pliers if it won't eject with emergency eject stick.</li> </ul>
Can read only the first session of a multisession disc	"Close session" was not selected at the previous writing	<ul style="list-style-type: none"> <li>• Additional session cannot be read because the previous session was not closed. Rewrite on other CD-R/RW media.</li> </ul>
Cannot read the former session of the CD-R/RW disc which has been written at least twice	"Load Contents" or "Import Session" was NOT clicked on the software.	<ul style="list-style-type: none"> <li>• If recorded without checked "Load Contents" or "Import Session", it is impossible to read. But when using utility software such as "Session Selection" from Adaptec, the former session can be read.</li> </ul>



## Appendix A. Glossary

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### **CD-DA**

Compact Disc - Digital Audio. The typical music CD is written with this CD format. At this time, up to 74 minutes of music can be written on a CD. The corresponding standard is the Red Book.

### **CD-I**

Compact Disc - Interactive. This format allows the storage of different types of data such as images, music or video on a CD. The process is defined in the Green Book.

### **CD-R**

Compact Disc - Recordable. A technology for CD-R (recordable) media. Also refer to CD-WO, Compact Disc - Write Once, limited to just one writing.

### **CD-ROM**

Compact Disc - Read Only Memory. This is described in the Yellow Book. Differing types of data that can be read by a computer such as programs, text, image data or sound may be stored with this CD format.

### **CD-ROM - Mode 1 and Mode 2**

A supplement to the CD-ROM format which provides an additional error recognition and correction function. Mode 1 is especially used for computer data and employs a code for error correction. Mode 2 is used with CD-ROM/ XA and CD-I with audio data and contains an error recognition code only.

### **CD-ROM/ XA**

CD-ROM/ Extended Architecture. This CD format makes it possible to store computer data and audio or video data on one track. The different types of data are linked to each other (Interleaving) so that synchronization problems can be reduced.

### **CD-RW**

Compact Disc - ReWritable. A technology for CD-RW (rewritable) media. It is not limited to just one writing, but may be erased and re-written as often as desired.

### **CD-WO**

CD - Write Once. As the name implies, it is a CD that may only be written on once. Also refer to CD-R.

### **Disc At Once**

Disc At Once is a method for recording of data onto a CD. With this method, the entire CD is written in a single process. The CD-recorder first writes a Lead-In, then the data block, and finally a Lead-Out. In contrast to Track At Once, linking blocks are not used between the individual tracks with Disc At Once.

## **Specification**

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### **Enhanced Music CD, CD + and CD Extra**

An expansion of Audio or Mixed-Mode CD consists of two sessions. The first session corresponds to CD-DA, while the second session consists of computer data. The process is specified in the Blue Book.

### **Finalization**

Finalization is the permanent closing of the writing procedure on a CD. After that, it cannot be written to, regardless of whether it was produced as a single-session or a multi-session CD.

### **Green Book**

A book of CD Interactive (CD-I) standards published by Philips and Sony in 1986

### **High Sierra**

The forerunner of today's ISO Standard 9660. It was published in 1986. With the passage of time it has lost its significance.

### **Hybrid Type CD**

A CD-ROM disc storing "two different platforms of softwares" for Windows and Macintosh etc.

### **Image**

The term "image" describes all edited data that will later be located on a CD. The creation of an image file is known as premastering.

### **ISO 9660**

ISO Standard 9660 describes the construction of a CD-ROM, so that it may be read and processed by different types of operating systems.

### **Joliet**

This supplement to the standards comes from Microsoft and is supported by Windows 95 and Windows NT. The CDs that are created under this standard are in conformity with ISO 9660, which allows long file names based on Unicode in additional directory structures.

### **Mixed Mode-CD**

Music and computer data are stored on one CD with this type of CD. The computer data are generally located on track 1 and audio data are located in the ensuing tracks.

### **Multi-Session-CD**

A CD which is written in several sequential sessions is known as a multi-session CD.

### **On-The-Fly**

A process for burning data onto a CD-R. There are two different methods of doing this. With the classical and older method, all of the data which are to be recorded onto the CD are first stored in a buffer in a large file known as an image file. From there, they are copied or burned onto the CD-R. In contrast to this, the method known as On-The-Fly transfers the data directly from their original memory locations on a hard drive onto the CD-R.

**Orange Book**

The Orange Book is a physical format of recordable CD announced in 1989 by Philips and Sony. The Orange Book describes CD-MO in part-I and CD-R in part-II. Later on part-II was updated. In 1994, version-II was announced for the CD-ROM and its double speed type. In 1996, the standards for phase change optical disc; rewritable CD (CD-RW) was added as part-III.

**Photo-CD**

A CD format and system devised by Eastman Kodak to record digitized photograph data.

**Rainbow Books**

The collection of standards which define the different types of CDs. Through these standards, it has been achieved that CDs can be read and processed by as many devices and operating systems of the different manufacturers as possible.

**Red Book**

A book setting the standards for the Compact Disc physical format and audio recording methods, published by Philips and Sony in 1981.

**Session**

An inter-related writing procedure is defined as a session. A session consists of the Lead In area, the data area, and the Lead Out area. A CD can be written with several sessions. This is then called a multi-session CD, in contrast to a single-session CD that only contains one session. A silver CD generally consists of one session.

**TOC**

Contents of the Lead-in, this contains the addresses of all the tracks on the CD.

**Track**

In an Audio-CD, one track corresponds to one piece of music. With a CD-ROM, one track contains computer data and it may have any number of files and folders.

**UDF**

UDF is short for Universal Disc Format, another file layout standard for CDROM. The UDF format can use in CD-R, CD-RW, and DVD by Packet writing method, which would not cause "Buffer Under-Run" and can be compatible with ISO9660. The advantage of UDF is provided similar function like hard disk.

**Video CD**

A CD-ROM storing MPEG-1-compressed moving pictures, still pictures, audio sounds etc.

**Yellow Book**

A book of CD-ROM standards published by Philips and Sony in 1985.

## **Appendix B. Frequently Asked Question (FAQ)**

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The following FAQ's are the most common problems you may find during installation or regular use. Please review these FAQ's to have your problem solved. In case you do not find any items that answer your problem, please contact your dealer or technical support.

### **Q: Computer won't boot up after installation.**

Please proceed the following procedures to get your computer back to work:

- Turn off and unplug your computer first. Check each connector along both IDE cables. (Bent pins, orientations or bad contacts.)
- Check if the power cable attached correctly to each drive.

### **Q: The Portable USB2.0 Combo drive doesn't show up in My Computer or Explorer.**

The following steps will assist you to get your drive to work as a CD-ROM:

- If you cannot find this Combo drive in Explorer, restart your computer, or shut it down and then turn it on again.
- Is the Combo drive receiving power properly? You can test it by pressing eject button to see if the tray opens and closes.
- Is the USB2.0 cable connected properly? Be careful to turn off your computer system before checking this item. Check the connection to see if the USB2.0 connector well inserted.

### **Q: The Portable USB2.0 Combo drive has problem in reading CD disc, or Error message when double-clicking on the Combo drive icon.**

There are several ways to solve this problem as follows:

- The CD disc in the tray may be loaded upside-down, or a little off-center. Try re-loading the CD disc with its label side up.
- After loading a CD disc, it will take a moment to let the CD-RW read the disc information. When the indicator on the front panel stops flashing and stays green, it is ready for access.
- If the disc you just loaded is a blank CD disc, try it later after copying some information to the CD.

**Q: Unable to see a second session reading from a CD-ROM drive.**

- Eject the CD and re-load it.
- Refresh the screen. Select the My Computer icon in Windows Explorer and press F5.
- Make sure if your CD-ROM drive reads CD-RW discs. CD-RW discs can only be used in CD-RW or newer MultiRead CD-ROM.
- For Windows 3.x users: Windows 3.x cannot read multi-session CD disc that is created by Direct CD. If some other programs create the CD disc, please verify you are using version 2.23 of the MSCDEX.EXE file. First, restart your PC and when you see "Starting MS-DOS..." appear on your monitor, press F8. Each line in your CONFIG.SYS and AUTOEXEC.BAT files will load one at a time. Press "Y" until you see a line containing "MSCDEX.EXE", then press "Y" and you will see the version number displayed on monitor. The number shall be 2.23 or greater. In case you cannot find this file, you can download it from Microsoft's FTP site: <ftp://ftp.microsoft.com/Softlib/MSFILES/MSCD223.EXE>. This file is a self-extracted ZIP file, please run it to retrieve MSCDEX.EXE file.
- See if the CD-RW or other CD-ROM drives can read the CD disc properly. If so, then the problem is probably with the CD-ROM drive. Contact the manufacturer of the drive for updated drivers or patch files.

**Q: Applications cannot locate the CD in this Portable USB2.0 Combo drive.**

- Some programs only locate the first logical drive letter assigned to a CD-ROM or the Combo drive. For example, if your CD-ROM drive is assigned drive D: and Combo drive is assigned drive E:, the program locates drive D: only and will not locate drive E:. Thus you need to reassign drive letters to both your CD-ROM and Combo drives in case you need to run the program in Combo drive.
- Windows 98/98SE: right-click [My Computer]. Click [Properties] , open [Device Manager] and double-click [CD-ROM drive], then click [Setting] tab. Under Reserved drive letters, select the drive letter after the existing letter (for both start and end drive letter) and click [OK]. Then double-click [USB2.0 Combo drive] icon, then click [Setting] tab. Under Reserved drive letters, select the drive letter before current one and click [OK].

The above are only GENERAL rules that do not necessarily apply to any combination of CD-ROM drives, HDD and motherboards. A few trials on different configurations before recording are recommended. Also, try out different CD-R media before you proceed to make volumes duplication as you may figure out which brand of CD-R media originates smoother recording and easier access. As long as you find the best CD recording way, stick to it.