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1. Introduction

This DigitalStorage device provides an friendly way to duplicate your digital data to CD-R/CD-RW without connecting to a computer. You can record your favorite digital photo and others files from Flash card or Computer to CD-R/CD-RW. The DigitalStorage device supports 7 different flash card formats: CF, MD (TypeI/TypeII), SM, MMC, SD, MS and MS pro. This device can be easily used at anytime and anywhere.

1.1 Features
* Digital Photo Storage Device
* Data Backup from Card Reader to CD-R/CD-RW without linking to a Computer
* Friendly LCD Functions Indicator
* High-Speed USB 2.0 interface
* Support various Flash Memory Card

1.2 Safety Guide
This product is equipped with a laser device. Be sure to observe the following precautions when operating. Failure to observe these precautions could result in fire, bodily injury and damage to the equipment.

1. Do not operate the controls, make any adjustments, or perform any procedures other than as specified in this manual

2. Allow only authorized service technicians to repair the laser equipment.

Do not open the top cover of this device when it is in operating mode because of invisible laser radiation. Avoid direct exposure to the laser beam.

Warning:
TO REDUCETHE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.
2. Product Description

2.1 Top View

1. Clear Window: To see the Disc in the compartment.
2. LCD Panel: To show the status of the device
4. Backward: To return to the previous track or number
5. Forward: To skip the next track or number
6. Stop: To stop the disc playing
7. Mode: To combine other buttons for different functions
8. Play/REC: To play and duplicate
9. Open: To open the top cover for disc loading
10. Eject hole: for emergency eject.

2.2 Front View

1. The Top Cover: To protect the Disc during playback
2. SM slot: To support Smart Media Card
3. CF/MD: To support Compact Flash Card type I / type II
4. SD/MMC/MS: To support Security Digital Card, MultiMedia Card and Memory Stick

2.3 Rear View

1. DC IN 12V: Power connector (DC in)

2.4 Side View

1. Power: Press this button to turn on / off the power
2. Volume: To adjust the sound level
3. Phones: To connect the headphones
4. USB: USB 2.0 connector
3. **Installation**

3.1 **Hardware Installation**

* **Before To Use !**
  1. Remove the device from package.
  2. Plug the power cord and adapter.
  3. Put the plug of adapter into the socket “ DC IN 12V “.
  4. Insert the plug of power cord into the outlet. as Fig 1
  5. Turn on the Power Button. as Fig 2

* **How to Load & Remove a Disc?**
  1. Press the Open button to lift the lid on the device. as Fig 3
  2. Put a Disc on the tray or remove a Disc from the tray. as Fig 4
  3. Close the lid.

* **How to Insert & Remove a Flash Memory Card?**
  1. Insert or remove your flash memory card into (or from) one of the slots located on the front panel of the device. a slot of device or remove your flash memory card from the slot. as Fig 5

  *Note: Please follow the memory card indicators on the panel.*

* **How to Connect to Computer?**
  1. Press the power button to turn on the device.
  2. Connect the computer and the device with the USB cable. as Fig 6

* **How to Emergency Eject?**
  1. Turn off the Power.
  2. Insert a straightened paper clip into the eject hole then the lid will be ejected. as Fig 7

  *Note: If the lid can not open automatically, press the Open button.*
3.2 Device Driver & Burning Software Installation

*Installing the USB Driver

1. Load the Driver Disc enclosed in the Package.
2. Turn on the Computer and load the Driver Disc to the CD-ROM device.
3. Run the driver disk and follow the instructions on the screen that software indicator. as Fig 8

![Photo Storage Driver](image)

Fig 8

*Installing the Burning Software

1. Load the burning software Disc enclosed in the Package.
2. Turn on the Computer and load the Burning Software Disc to the CD-ROM device.
3. Run the burning disk and follow the instructions on the screen that software indicator. as Fig 9

![nero5](image)

Fig 9
4. Operation Installations

4.1 Basic Operation Mode

* Duplicate:

1. Connect the power cable to the back of the device.
2. Power on the device and open the top cover.
3. Insert a Flash card to the Card reader and load a CD-RW disk in the computer, as Fig 10
4. Press the “Play/.REC” button to begin duplicating your Flash card, as Fig 11
5. When duplicating is completed, a short beep will sound
6. Remove the Flash card and the Disc.
7. Please refer to the diagrams below.

Fig 11
* **Duplicate & Verify:**

1. Connect the power cable to the back of the device.
2. Power on the device and open the top cover.
3. Insert a Memory card to the Card reader and a CD-RW disk to the CD-RW drive.
4. Press the “Mode”+“Play”, “REC” buttons to duplicate your Flash Memory card. as Fig 12
5. When duplicating is complete, a short beep will sound.
6. Remove the Flash Memory card and the Disc.
7. Please refer to the diagrams below.

Fig 12

- **Insert memory card**
- **Show memory card source**
- **DUPL.**
- **DUPL.**
- **DUPL.**
- **DUPL.**

- **Press Mode + REC Button**
- **Show duplicate source and Remaining capacity**
- **Ranges from 99 to 00**
- **LED**
- **Orange**
- **LED**
- **DUPL. 99**
- **DUPL. 00**

- **On duplicating**
- **Show the process from 99 to 00**
- **Verify duplicate data**
- **DUPL. CH**

- **Show verify process from 00 to 99**
- **DUPL. 00**
- **DUPL. 99**

- **Duplicate failure show error code**
- **Duplicate and verify done**
- **Code 20**
- **LED**
- **Green**
* Audio Play:

1. Connect the power cable to the back of the device.
2. Power on the device and open the top cover.
3. Load an Audio CD on the tray, as Fig13
4. Press the “Play/.REC” buttons to start playing, as Fig 14
5. Press the Forward and Backward buttons to choice another track, as Fig 15
6. Press the Stop button will stop the audio playing, as Fig 16
7. Please refer to the diagrams below.

![Diagram showing the process of audio play](image-url)
* **External Mode:**

1. Power on your computer and waiting the system ready.

2. Power on the device and connect the USB cable from your computer to the device, as Fig 17

![Fig 17](image)

3. Windows software driver installation.
   *Note: Windows XP/2000/Me will automatically detect and load the appropriate drivers for your CD-RW.*

4. Please refer the diagrams on the right.

* **Erase CD-RW Disc:**

1. Connect the power cable to the back of the device.
2. Power on the device and open the top cover.
3. Load your CD-RW Disc to the CD-RW drive.

4. Press the "Mode"+"Stop" buttons to begin erasing your CD-RW Disc, as Fig 18

![Fig 18](image)

5. When erasing is complete, a short beep will sound then you can remove the Disc.
6. Please refer to the diagrams on the right.
4.2 Advance Operation Mode

* Firmware Upgrade:

1. Connect the power cable to the back of the device.
2. Power on the device and open the top cover.
3. Load the new firmware disc in the CD-RW drive.
4. Press the “Mode”+“Forward” buttons to start upgrading the device firmware. as Fig 19

![Fig 19](image)

5. When firmware upgrade is complete, a short beep will sound then press the “Power” button to restart the device. as Fig 20

![Fig 20](image)

6. Please refer to the diagrams on the right.

* Time Zone Setup:

1. Connect the power cable to the back of the device.
2. Power on the device and open the top cover.
3. Press “Mode” + “Backward” buttons to setup the device time zone. as Fig21

![Fig 21](image)

4. Press the “Forward” or “Backward” buttons to choose the time zone that you want. as Fig22

![Fig 22](image)

5. Press “Play/REC” button to update the device setting. as Fig 23

![Fig 23](image)

6. When erasing is complete, a short beep will sound then you can remove the Disc.
7. Please refer to the diagrams on the right.
5. **Hardware Spec.**

1. **Dimension**
   8.3” x 6.3” x 1.8” (210mm x 160mm x 45mm)

2. **Weight**
   900g (*to be define*)

3. **Interface**
   USB2.0, CF/MD/SM/MMC/SD/MS

4. **Power Source**
   12V AC/DC Adapter, DC input jack

5. **Storage Capacity**
   700MB standard CD

6. **Operating Temperature**
   - **Operating:** 41 ~ 113 deg F (5 ~ 45 deg C)
   - **Storage:** -4 ~ 140 deg F (-20 ~ 60 deg C)

7. **Shock Rating**
   Do not subject to sudden impact
   (rated to 40 G-force)

8. **Battery Protection**
   Over change/discharge and short protection
   Over current/voltage protection, Thermal protection
   With Vent hole design

9. **Regulatory**
   FCC, CE

10. **Operating Requirements**
    - **Satnd-alone:** Push button, with backlist LCD, LED
    - **Computer:** Windows 98SE/ME/2000/XP with USB2.0 support
    - **Mac:** OS X with USB2.0 support (for CD only)
## 6. Appendix

### 6.1 LCD Code List:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>No CD is detected</td>
</tr>
<tr>
<td>02</td>
<td>Not a Audio CD</td>
</tr>
<tr>
<td>03</td>
<td>Play Error</td>
</tr>
<tr>
<td>04</td>
<td>No Memory Card</td>
</tr>
<tr>
<td>05</td>
<td>Not Support Format</td>
</tr>
<tr>
<td>06</td>
<td>Read Flash Error (FAT Error)</td>
</tr>
<tr>
<td>07</td>
<td>No Further Writing Possible</td>
</tr>
<tr>
<td>08</td>
<td>Write Error</td>
</tr>
<tr>
<td>09</td>
<td>Not Erasable</td>
</tr>
<tr>
<td>10</td>
<td>Erase Fail</td>
</tr>
<tr>
<td>11</td>
<td>Update Fail --- Source Disc Error</td>
</tr>
<tr>
<td>12</td>
<td>Update Fail --- Unknown</td>
</tr>
<tr>
<td>13</td>
<td>Verify Fail --- Read Flash Memory Card Error</td>
</tr>
<tr>
<td>14</td>
<td>Verify Fail --- Read Disc Error</td>
</tr>
<tr>
<td>15</td>
<td>Verify Fail --- Data is not Compared</td>
</tr>
<tr>
<td>16</td>
<td>Default Error</td>
</tr>
</tbody>
</table>

### 6.2 Time Zone List:

<table>
<thead>
<tr>
<th>Code</th>
<th>Time zone</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>(GMT -12:00)</td>
<td>Eniwetok, Kwajalein</td>
</tr>
<tr>
<td>31</td>
<td>(GMT -11:00)</td>
<td>Midway Island, Samoa</td>
</tr>
<tr>
<td>30</td>
<td>(GMT -10:00)</td>
<td>Hawaii</td>
</tr>
<tr>
<td>29</td>
<td>(GMT -09:00)</td>
<td>Alaska</td>
</tr>
<tr>
<td>28</td>
<td>(GMT -08:00)</td>
<td>Pacific Time (US &amp; Canada), Tijuana</td>
</tr>
<tr>
<td>27</td>
<td>(GMT -07:00)</td>
<td>Arizona, Mountain Time (US &amp; Canada)</td>
</tr>
<tr>
<td>26</td>
<td>(GMT -06:00)</td>
<td>Central America, Central Time (US &amp; Canada), Mexico City, Saskatchewan</td>
</tr>
<tr>
<td>25</td>
<td>(GMT -05:00)</td>
<td>Bogota, Lima, Quito, Eastern Time (US &amp; Canada), Indiana (East)</td>
</tr>
<tr>
<td>24</td>
<td>(GMT -04:00)</td>
<td>Atlantic Time (Canada), Caracas, La Paz, Santiago</td>
</tr>
<tr>
<td>23</td>
<td>(GMT -03:30)</td>
<td>Newfoundland</td>
</tr>
<tr>
<td>22</td>
<td>(GMT -03:00)</td>
<td>Brasilia, Buenos Aires, Georgetown, Greenland</td>
</tr>
<tr>
<td>21</td>
<td>(GMT -02:00)</td>
<td>Mid-Atlantic</td>
</tr>
<tr>
<td>20</td>
<td>(GMT -01:00)</td>
<td>Azores, Cape Verde Is.</td>
</tr>
<tr>
<td>Code</td>
<td>Time zone</td>
<td>City</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------</td>
</tr>
<tr>
<td>0</td>
<td>(GMT)</td>
<td>Casablanca, Monrovia</td>
</tr>
<tr>
<td></td>
<td>(GMT)</td>
<td>Greenwich Mean Time: Dublin, Edinburgh, London</td>
</tr>
<tr>
<td>1</td>
<td>(GMT +01:00)</td>
<td>Amsterdam, Berlin, Stockholm, Rome, Bern, Brussels, Vienna保养, Bratislava, Budapest, Ljubljana, Prague</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brussels, Copenhagen, Madrid, Paris</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sarajevo, Skopje, Sofia, Vilnius, Warsaw, Zagreb</td>
</tr>
<tr>
<td></td>
<td></td>
<td>West Central Africa</td>
</tr>
<tr>
<td>2</td>
<td>(GMT +02:00)</td>
<td>Athens, Istanbul, Minsk</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bucharest</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cairo</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Harare, Pretoria, Helsinki, Riga, Tallinn</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jerusalem</td>
</tr>
<tr>
<td>3</td>
<td>(GMT +03:00)</td>
<td>Baghdad, Kuwait, Nairobi, Riyadh</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kuwait, Riyadh, Moscow, St. Petersburg, Volgograd</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nairobi</td>
</tr>
<tr>
<td>4</td>
<td>(GMT +03:30)</td>
<td>Tehran</td>
</tr>
<tr>
<td>5</td>
<td>(GMT +04:00)</td>
<td>Abu Dhabi, Muscat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Baku, Tbilisi, Yerevan</td>
</tr>
<tr>
<td>6</td>
<td>(GMT +04:30)</td>
<td>Kabul</td>
</tr>
<tr>
<td>7</td>
<td>(GMT +05:00)</td>
<td>Ekaterinburg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Islamabad, Karachi, Tashkent</td>
</tr>
<tr>
<td>8</td>
<td>(GMT +05:30)</td>
<td>Calcutta, Chennai, Madras, New Delhi</td>
</tr>
<tr>
<td>9</td>
<td>(GMT +05:45)</td>
<td>Kathmandu</td>
</tr>
<tr>
<td>10</td>
<td>(GMT +06:00)</td>
<td>Almaty, Novosibirsk</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Almaty, Dhaaka</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sri Jayawardenepura</td>
</tr>
<tr>
<td>11</td>
<td>(GMT +06:00)</td>
<td>Rangoon</td>
</tr>
<tr>
<td>12</td>
<td>(GMT +07:00)</td>
<td>Bangkok, Jakarta, Hanoi, Jakarta</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Krasnoyarsk</td>
</tr>
<tr>
<td>13</td>
<td>(GMT +08:00)</td>
<td>Beijing, Chongqing, Urumqi</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Irkutsk, Ulaan Bataar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kuala Lumpur, Singapore</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perth</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Taipei</td>
</tr>
<tr>
<td>14</td>
<td>(GMT +09:00)</td>
<td>Osaka, Sapporo, Tokyo</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seoul</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yakutsk</td>
</tr>
<tr>
<td>15</td>
<td>(GMT +09:30)</td>
<td>Adelaide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Darwin</td>
</tr>
<tr>
<td>16</td>
<td>(GMT +10:00)</td>
<td>Brisbane</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Canberra, Melbourne, Sydney</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Canberra, Melbourne, Sydney (Year 2000 only)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Guam, Port Moresby</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hobart</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vladivostok</td>
</tr>
<tr>
<td>17</td>
<td>(GMT +11:00)</td>
<td>Magadan, Solomon Is, New Caledonia</td>
</tr>
<tr>
<td>18</td>
<td>(GMT +12:00)</td>
<td>Auckland, Wellington</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fiji, Kamchatka, Marshall Is</td>
</tr>
<tr>
<td>19</td>
<td>(GMT +13:00)</td>
<td>Nuku'alofa, Marshall Is</td>
</tr>
</tbody>
</table>

11
6.3 Driver Compility List:

This document contains information that you may find helpful when troubleshooting a USB connection problem.
1. Install the drivers (A driver CD is included in the box) according to the instructions.

If the USB connection is still not working. Do setp 2:
2. Update your PC operation system and/or the USB 2.0 Host driver according to the following table:

<table>
<thead>
<tr>
<th></th>
<th>WinXp</th>
<th>Win2K</th>
<th>WinMe</th>
<th>Win98SE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel</td>
<td>Microsoft SP1 or newly</td>
<td>Microsoft SP3 or newly</td>
<td>Vendor not support</td>
<td>Vendor not support</td>
</tr>
<tr>
<td>VIA</td>
<td>Microsoft SP1 or newly</td>
<td>Microsoft SP3 or newly</td>
<td>VIA Driver Ver 2.54 or newly</td>
<td>VIA Driver Ver 2.54 or newly</td>
</tr>
<tr>
<td>NEC</td>
<td>Microsoft SP1 or newly</td>
<td>Microsoft SP3 or newly</td>
<td>NEC Driver(OWC) Ver: 2.0.8.1 or newly</td>
<td>NEC Driver(OWC) Ver: 2.0.8.1 or newly</td>
</tr>
<tr>
<td>SIS</td>
<td>Microsoft SP1 or newly</td>
<td>Microsoft SP3 or newly</td>
<td>Sis Driver(*)</td>
<td>Sis Driver(*)</td>
</tr>
</tbody>
</table>

For updating OS (operation system) of your computer:
Microsoft web: www.microsoft.com
For updating USB 2.0 Host Driver:
(1) Find out the manufacturer name and model name of your USB 2.0 Host controller.
(2) Update the USB 2.0 Host driver on the manufacturer’s website. Note that if the USB device is included on the motherboard of your computer, you should update the driver on the motherboard manufacturer’s website.