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FCC AND DOC/MDC STATEMENTS

FEDERAL COMMUNICATIONS COMMISSION and CANADIAN DEPARTMENT OF COMMUNICATIONS

RADIO FREQUENCY INTERFERENCE STATEMENT

Class B Digital Device. This equipment has been tested and found to comply with the limits for a Class B computing device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. This equipment generates, uses, and can radiate frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or telephone reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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 an experienced radio/TV technician for help.

Caution:
Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

To meet FCC requirements, shielded cables and power cords are required to connect this device to a personal computer or other Class B certified device.

This digital apparatus does not exceed the Class B limits for radio noise emission from digital apparatus set out in the Radio Interference Regulation of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de classe B prescrites dans le Règlement sur le brouillage radioélectriques publié par le ministère des Communications du Canada.
## CONTENTS

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Chapter 1: Welcome to PC to Video EZ</td>
<td>4</td>
</tr>
<tr>
<td>1.1 Introduction</td>
<td>4</td>
</tr>
<tr>
<td>1.2 Product Features</td>
<td>4</td>
</tr>
<tr>
<td>1.3 Modes and Resolution Table</td>
<td>5</td>
</tr>
<tr>
<td>1.4 Application</td>
<td>5</td>
</tr>
<tr>
<td>1.5 System Requirements</td>
<td>5</td>
</tr>
<tr>
<td>1.6 Package Contents</td>
<td>6</td>
</tr>
<tr>
<td>2. Chapter 2: Install PC to Video EZ</td>
<td>7</td>
</tr>
<tr>
<td>2.1 Connectors of PC to Video EZ</td>
<td>7</td>
</tr>
<tr>
<td>2.2 Buttons and Switch of Video Console</td>
<td>8</td>
</tr>
<tr>
<td>2.3 Installation for IBM PC Users</td>
<td>8</td>
</tr>
<tr>
<td>3. Chapter 3: Technical Tips</td>
<td>10</td>
</tr>
<tr>
<td>4. Chapter 4: Troubleshooting</td>
<td>11</td>
</tr>
</tbody>
</table>
CHAPTER 1
Welcome to PC to Video EZ

1.1 Introduction
Thank you for purchasing the PC to Video EZ. The PC to Video EZ is a hand-size universal VGA to TV converter box. It supports resolution up to 1280x1024. Compact size, Power from USB port, easy for carry. It is best for PC GAME, PC DVD, Internet viewing on TV, Entertainment, Education and Presentation.

1.2 Product Features
- Pure hardware design, just Plug & Display. No software driver is required and it is compatible with any operation system.
- The PC to Video EZ had two model:
  I. Model one (for NTSC / PAL):
     - INPUT: VGA, USB 5V
     - OUTPUT: VIDEO, S-VIDEO, VGA (connect to PC Monitor)
  II. Model two (for Europe):
     - INPUT: VGA, USB 5V
     - OUTPUT: VIDEO, S-VIDEO, VGA (connect to PC Monitor), RGB (For EUROPE system RGB SCART input)
- Simultaneous display on VGA monitor and TV.
- Allows SIZE change (overscan and underscan function).
- Power from USB port or PS2 port (optional) (DC 5V).
- True 24 bit A/D converter for the true 16.7 million color conversion.
- Supports IBM PC and MAC G4.
- Supports one of the following system: NTSC(US/Taiwan), NTSC (JAPAN), PAL, PAL-M, PAL-N system.
1.3 Modes and Resolution Table

This converter supports the following VGA (IBM PC) display modes:

<table>
<thead>
<tr>
<th>Resolution</th>
<th>640 x 480</th>
<th>800 x 600</th>
<th>1024 x 768</th>
<th>1280 x 1024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Frequency (Hz)</td>
<td>60,72, 75,85</td>
<td>60,72, 75,85</td>
<td>60,70, 75,85</td>
<td>60</td>
</tr>
</tbody>
</table>

This converter supports the following MAC G4 display modes:

<table>
<thead>
<tr>
<th>Resolution</th>
<th>640 x 480</th>
<th>832 x 624</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Frequency (Hz)</td>
<td>66</td>
<td>75</td>
</tr>
</tbody>
</table>

1.4 Application

- Entertainment – play VCD, DVD movies, Internet viewing on TV. Experience PC games on TV.
- Presentations – Ideal for both classrooms and conference rooms.
- Documentation – Capture PC images on video tape.
- Training – Easy software training via video tape.

1.5 System Requirements

- Desktop or Notebook PC compatible with IBM PC with USB port and VGA output.
- TV or VCR which supports NTSC or PAL video standard with composite video input, S-Video input, RGB input (for Europe system).
If you need an RMA or technique service, please fill out the following form with as much detail as possible and FAX to your dealer.

### Product S/N:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td>Name:</td>
<td></td>
</tr>
<tr>
<td>TEL No.:</td>
<td>FAX No.:</td>
</tr>
<tr>
<td>E-mail address:</td>
<td></td>
</tr>
<tr>
<td>Full Address:</td>
<td></td>
</tr>
</tbody>
</table>

### Hardware condition:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Mainboard chipset:</td>
<td></td>
</tr>
<tr>
<td>Mainboard CPU:</td>
<td>CPU clock: MHz</td>
</tr>
<tr>
<td>Main memory: MB</td>
<td>Cache memory: KB</td>
</tr>
<tr>
<td>VGA card:</td>
<td>Display memory: MB</td>
</tr>
<tr>
<td>Sound card:</td>
<td>Hard Disk: MB</td>
</tr>
<tr>
<td>Other add-on cards:</td>
<td></td>
</tr>
<tr>
<td>Monitor:</td>
<td>Horizontal Freq.: KHz to KHz</td>
</tr>
<tr>
<td></td>
<td>Vertical Freq.: Hz to Hz</td>
</tr>
</tbody>
</table>

### Problem description:

---

---

1.6 Package Contents

This package contains the following items:

- PC to Video EZ (VGA to TV converter)
- User’s Manual
- VGA to VGA cable
- Video cable
- S-Video cable
- USB power cable
- PS2 power cable (optional)
- RGB SCART cable with Audio (for Europe only)
CHAPTER 2
How to Install PC to Video EZ

The following section shows the function of controlling the PC to Video EZ.

Refer to Figure 1 for the Outline of PC to Video EZ.

FIG. 1 Outline of PC to Video EZ

2.1 Connectors of PC to Video EZ

- **VIDEO OUT**: Connects PC to Video EZ to the VIDEO input of TV/VCR or Video Projector, using a standard video cable (not included).

- **S-VIDEO OUT**: Connects PC to Video EZ to your TV/VCR or Video Projector supporting the S-VIDEO input, using a standard video cable (not included).

- **VGA OUT**: Connects PC to Video EZ to computer monitor (VGA OUT).

- **VGA IN**: Connects PC to Video EZ to PC (VGA IN).

- **USB**: Connects PC to Video EZ to USB port or PS2 port (optional) (DC POWER IN).

Note: The PC to TV Cable also supports high quality S-VIDEO. If your TV or VCT supports S-VIDEO IN, we highly recommend you use it to get the best TV picture.

1. Toggle the video standard button to match your TV system.
2. Make sure the color (also called saturation for some TVs) setting is not set to minimum.

1. If your TV is multi-standard, set the standard to AUTO or the same as that output from the PC to Video EZ.
2. If you connect PC to Video EZ's VIDEO or S-VIDEO output to your TV, the mode setting default at CVBS (VIDEO, S-VIDEO out), if the mode switch setting at RGB side (RGB SCART output for Europe system TV), your TV will no color.
CHAPTER 4 - Trouble Shooting

Check the following before requesting service.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Point to check</th>
</tr>
</thead>
</table>
| No TV output     | 1. Press the video select or AV button of the TV to select the video input from the PC to Video EZ.  
|                  | 2. If the signal of the PC to Video EZ goes through a VCR first, set the input option to external video for the VCR. |
| Text not sharp   | 1. Suggest you to use the S-Video connection. |
| Ghost image      | 3. If long cable is used to connect the PC to Video EZ to a TV, use a better 75 ohm coaxial cable. (RG-59 is recommended)  
|                  | 4. Adjust Sharpness of TV. |
| Missing character| 1. Set the PC to Video EZ to underscan. |
| Jitter           | 1. Press the FINE TUNE button to get smooth picture. |

2.2 Buttons & Switch PC to Video EZ

- **SIZE : ( OVERSCAN / UNDERSCAN ) :**  
  Press this button to select “ OVERSCAN ” or “ UNDERSCAN “ mode.

- **FINE TUNE :** Press this button to adjust image quality for TV.

- **CVBS / RGB :**  
  Slide to RGB side, only RGB out connector has function.  
  Slide to CVBS side, only S-VIDEO out and VIDEO out can output signal.

2.3 Installation for IBM PC Users

The PC to Video EZ is a “Plug and Display” video converter. The only requirement to get the output of the computer on the TV is to make the proper connections & ensure that your computer display is set within the supported parameters. Please read the following sections carefully for the installation of the hardware. Please refer to Fig.2 and overview of the process.
Fig. 2 PC to Video EZ Installation

**IMPORTANT! We highly recommend you to comply with the steps of installation otherwise it will cause you much inconvenience.**

1. Make sure your computer’s (laptop, notebook or desktop PC) power is turned Off.
2. Connect PC to Video EZ to your TV, VCR or Video Projector supporting the Video Input or S-VIDEO or RGB (for Europe system) Input.
3. Connect PC to Video EZ to monitor.
4. Connect PC to Video EZ to VGA card output of PC.
5. Power on your PC.
6. Connect PC to Video EZ to USB port or PS2 port (optional) of PC.
7. Turn on your TV/VCR/Projector or Monitor to get the picture on them.

CHAPTER 3

Technical Tips

The following are problems that might arise when using the PC to TV converter, and possible solutions to them.

**Q & A:**

**Q:** How can I enhance the display quality?

**A:** You can usually decrease the contrast and increase brightness control to get the better picture.

**Q:** I connect using a NOTEBOOK PC, but no output is displayed on TV.

**A:** Check your computer’s User’s Manual for specific instructions for displaying an external VGA signal or “OUTPUT”. (Typically, Many Notebook computers have 3 settings, VGA external only, VGA internal only, and VGA internal & external simultaneously)