



# Important Safeguards and Regulatory Notices

Information on the following pages provides important safety guidelines for both Operator and Service Personnel. Specific warnings and cautions will be found throughout the manual where they apply, but may not appear here. Please read and follow the important safety information, noting especially those instructions related to risk of fire, electric shock or injury to persons.



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## **WARNING**

*Any instructions in this manual that require opening the equipment cover or enclosure are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.*

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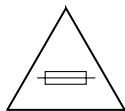
## Symbols and Their Meanings



The lightning flash with arrowhead symbol, within an equilateral triangle, alerts the user to the presence of “dangerous voltage” within the equipment’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle alerts the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the equipment.



The fuse symbol indicates that the fuse referenced in the text must be replaced with one having the ratings indicated.



This symbol represents an internal protective grounding terminal. Such a terminal must be connected to earth ground prior to making any other connections to the equipment.



This symbol represents an external protective grounding terminal. Such a terminal may be connected to earth ground as a supplement to an internal grounding terminal.



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### **CAUTION**

*This equipment contains static sensitive components. Use anti-static grounding equipment whenever handling or servicing modules and components. When circuit modules are removed from the frame, place them on a flat static-controlled surface. Failure to follow this precaution can result in component damage due to electrostatic discharge.*

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## **Danger**

- Electrical potential is still applied to some internal components even when the power switch/breaker is in the off position. To prevent electrical shock when working on this equipment, disconnect the AC line cord from the AC source before working on any internal components.
- A residual voltage may be present immediately after unplugging the system due to slow discharge of large power supply capacitors. Wait 30 seconds to allow capacitors to discharge before working on the system

## **Warnings**

- Heed all warnings on the unit and in the operating instructions.
- Do not use this equipment in or near water.
- Disconnect ac power before installing any options.
- The attachment plug receptacles in the vicinity of the equipment are all to be of a grounding type, and the equipment grounding conductors serving these are to be connected to earth ground at the service equipment.
- This equipment is grounded through the grounding conductor of the power cord. To avoid electrical shock, connect the power cord to the equipment and plug it into a properly wired receptacle before connecting the equipment inputs and outputs.
- Route power cords and other cables so that they are not likely to be damaged.
- Disconnect power before cleaning. Do not use liquid or aerosol cleaners; use only a damp cloth.

- Dangerous voltages exist at several points in this equipment. To avoid personal injury, refer all servicing to qualified personnel.
- Do not wear hand jewelry or watches when troubleshooting high current circuits, such as the power supplies.
- During installation, do not use the door handles or front panels to lift the equipment as they may open abruptly and injure you.
- To avoid fire hazard, use only components of the the specified type, voltage and current rating as referenced in the appropriate parts list. Always refer fuse replacement to qualified service personnel.
- To avoid explosion, do not operate this equipment in an explosive atmosphere unless it has been specifically certified for such operation.
- Have qualified personnel perform safety checks after any completed service.
- Risk of electric shock is present. A grounded circuit conductor (neutral) is provided with over current protection. Test all components before touching.

## **Cautions**

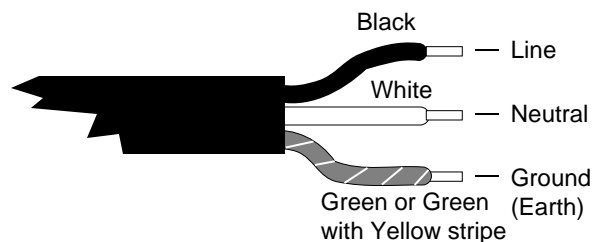
- To prevent damage to equipment when replacing fuses, locate and correct the trouble that caused the fuse to blow before applying power.
- Verify that all power supply lights are off before removing the power supply or servicing equipment.
- Use only specified replacement parts.
- Follow static precautions at all times when handling this equipment.
- Leave the back of the frame clear for air exhaust cooling and to allow room for cabling. Slots and openings in the cabinet are provided for ventilation. Do not block them.
- The front door is part of the fire enclosure and should be kept closed during normal operation.
- To prevent damage to this equipment read the instructions in this document for proper input voltage range selection.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.
- Circuit boards in this equipment are densely populated with surface mount and ASIC components. Special tools and techniques are required to safely and effectively troubleshoot and repair modules that use SMT or ASIC components. For this reason, service and repair of products incorporating surface mount technology are supported only on a module exchange basis. Customers should not attempt to troubleshoot or repair modules that contain SMT components. Editware assumes no liability for damage caused by unauthorized repairs. This applies to both in- and out-of-warranty products.

## Power Cord Notices

### North American Power Supply Cords

This equipment is supplied with a molded grounding plug (NEMA 5-15P) at one end and a molded grounding receptacle (IEC 320-C13) at the other end. Conductors are color coded white (neutral), black (line) and green or green/yellow (ground).

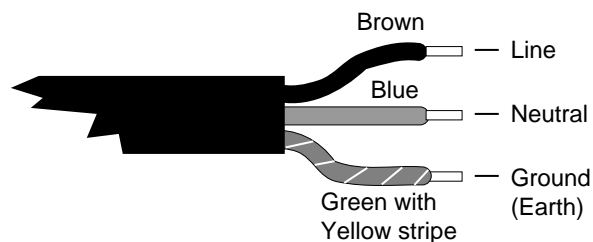
Operation of this equipment at voltages exceeding 130 Vac will require power supply cords which comply with NEMA configurations.



NOTE: The illustrated U.S. cord is for 110/125 Vac only. For 220 Vac, the line cord has two hot lines and no neutral.

### International Power Supply Cord

This equipment is supplied with a molded grounding receptacle (IEC 320-C13) at one end and stripped conductors (50/5 mm) at the other end. Conductors are CEE color coded—light blue (neutral), brown (line) and green/yellow (ground). Other IEC 320 C-13 type power supply cords can be used if they comply with the safety regulations of the country in which they are installed.



NOTE: This international cord is for both 110 and 220 Vac. Europe uses single- or 3-phase 230 Vac, with one hot line and one neutral.

# 1 *Before You Install*

## **Introduction**

Congratulations on your purchase of one of the finest video tape editing systems on the market. The Video Production Editor (VPE) is manufactured by Editware, Inc., the recognized leader in quality and service for video tape editing systems. This is the Installation Instructions manual for the VPE. It covers installation of the VPE models listed below:

- VPE-331
- VPE-341
- VPE-351

Throughout this manual, when information or discussions are inclusive of all the models listed above, the VPEs are referred to as the Editor. Where differences exist, they are so noted. In addition, a table listing the differences between the Editors is provided in Appendix A.

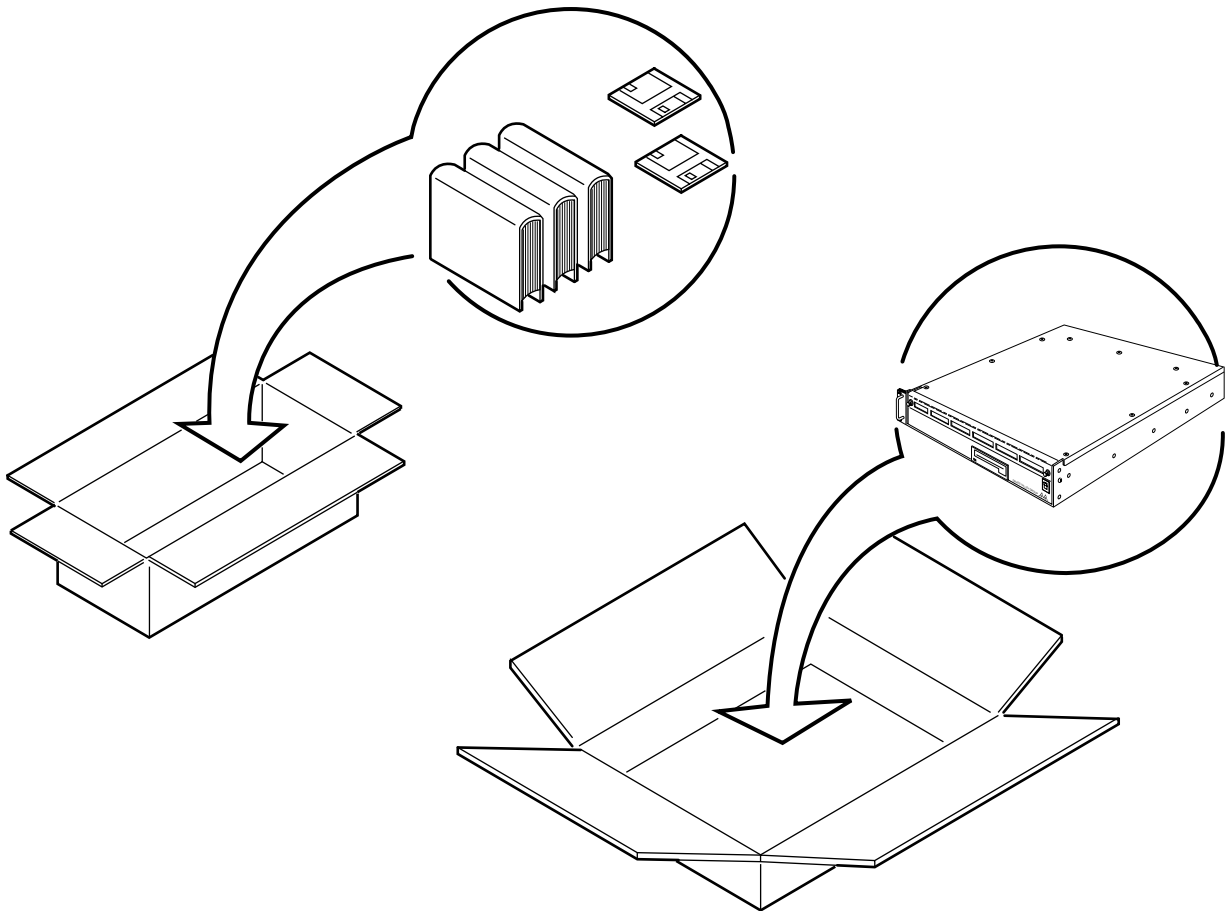
The next few pages provide information about what to look for when you receive and unpack your Editor. A facilities checklist is included.

## **Receiving Inspection**

Inspect all shipping containers for any signs of damage. If any is found, notify the shipping company. If there is no obvious damage, continue with the unpacking instructions.

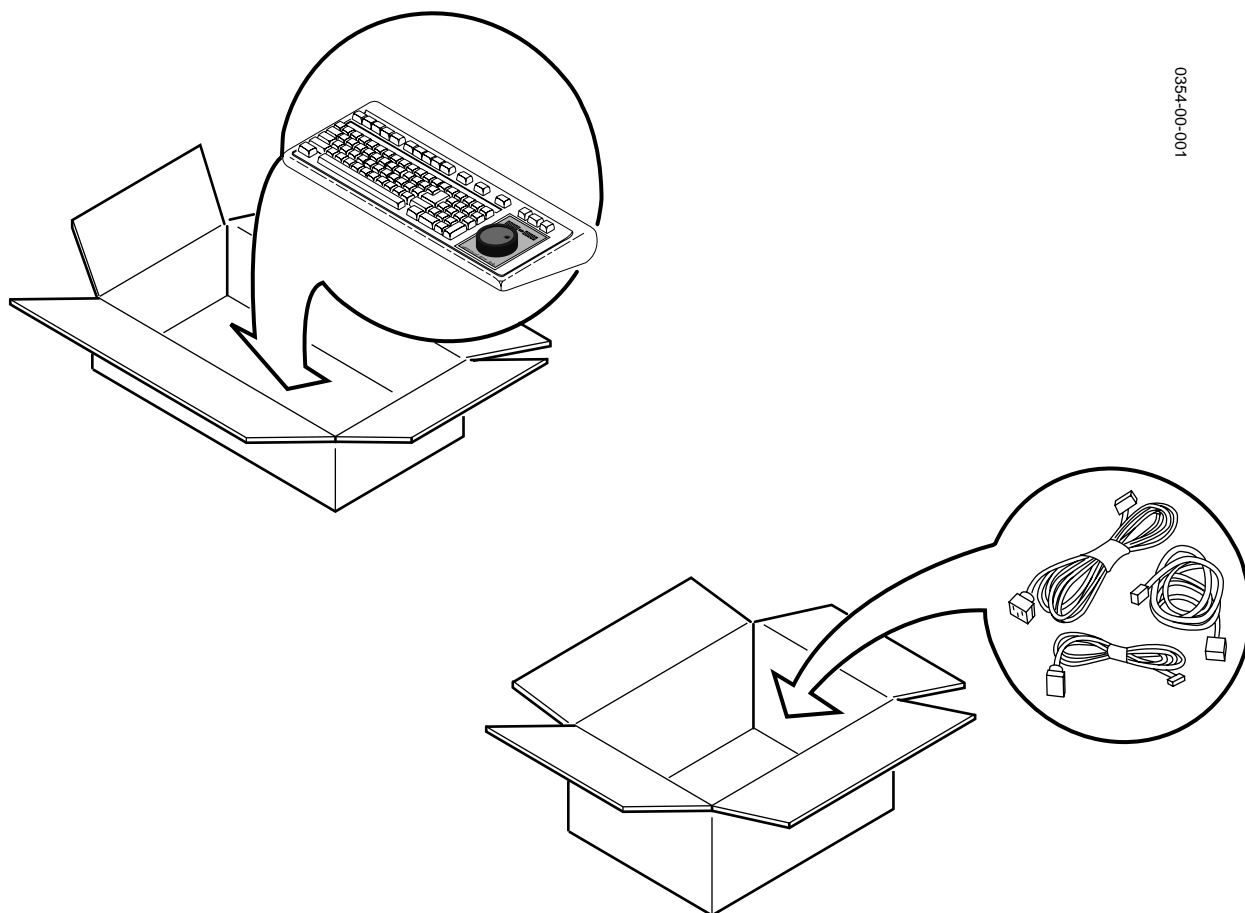
## Unpacking Instructions

Place the containers on a flat level surface with enough room to move the containers around as needed. In the Manual Set container, locate the Manual Set Inventory sheet. Remove all the remaining manuals and the Floppy Disk software set. Compare the manuals against the Inventory sheet and make a note of any discrepancies.



Locate the container with a small plastic pouch taped to its top, open the pouch, and remove the Packing List. In turn, open each of the remaining containers. One contains the VPE Chassis. Others contain the Keyboard, cables, and any other installation hardware. See Figure 1-1. (One or more options may be in any of these containers.)

Carefully remove the contents of each container and place on a flat level surface. Compare the contents with the Packing List to ensure that there are no missing items. Make a note of any discrepancies.



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Figure 1-1. Unpacking Your Editor



## Equipment Inspection

Inspect all equipment for damage. Items to specifically check, and damage to look for, are listed below:

- All connectors for bent or broken pins
- Cables for crimped or broken wires
- Floppy diskettes for any obvious signs of damage

If any damage is found, contact Editware Customer Service at the telephone number in the front of this manual. If any item is damaged, **DO NOT** make any power or signal connections to the unit unless otherwise advised to do so by Editware Customer Service.

If there are any discrepancies between the Manual Set Inventory sheet and the manuals received, or between the Packing List and items received, contact Editware Customer Service at the telephone number at the front of this manual. If there are no discrepancies and either no damage, or GVG-advised correction action is made, continue with this manual.

## Facility Checklist

The following checklist is a synopsis of information found in the appropriate Installation Planning Guide. The Planning Guide should be referred to for detailed site preparation information.

- If your facility includes an equipment rack, ensure that the rack is within 50 feet (16 meters) of your work space.
- Ensure that there are sufficient AC power outlets of the required 3-prong grounded type and amp rating for the intended equipment.
- To maintain consistent signal quality throughout your facility, there should be a minimum of two Distribution Amplifiers (DAs).
- Depending on the video switcher, you may need Sync, Subcarrier, and Blanking in addition to Black Burst.
- Ensure that the work space is at least large enough to accommodate the following:

The K2, K3, or K5 Keyboard

One or more monitors

Control Panels for any other equipment