

# **V70MA System Board**

## User's Guide



100% Recycled Paper

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# **IMPORTANT SAFETY INSTRUCTIONS**

1. Read these instructions carefully. Save these instructions for future reference.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. This product is equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.

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9. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
  10. If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed 15 amperes.
  11. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
  12. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
  13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    - a. When the power cord or plug is damaged or frayed
    - b. If liquid has been spilled into the product
    - c. If the product has been exposed to rain or water
    - d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
    - e. If the product has been dropped or the cabinet has been damaged
    - f. If the product exhibits a distinct change in performance, indicating a need for service

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14. Replace the battery with the same type as the product's battery we recommend. Use of another battery may present a risk of fire or explosion. Refer battery replacement to a qualified serviceman.
  15. Warning! The battery may explode if not handled properly. Do not recharge, disassemble, or dispose of it in fire. Keep away from children and dispose of any used battery promptly.
  16. Use only the proper type of power supply cord set (provided in your keyboard/manual accessories box) for this unit. It should be a detachable type: UL listed/CSA certified, type SVT/SJT, rated 6A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).

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## **CD-ROM Safety Warning**

### **DANGER**

INVISIBLE RADIATION WHEN OPEN.  
AVOID EXPOSURE TO BEAM.

### **VORSICHT**

UNSICHTBARE LASERSTRAHLUNG WENN GEÖFFNET.  
NICHT IN DEN STRAHL SEHEN.

### **ATTENTION**

RADIATION DU FAISCEAU LASER INVISIBLE. EN CAS  
D'OUVERTURE. EVITER TOUTE EXPOSITION AUX RAYONS.

### **VARO**

AVATTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE  
LASERSÄTEILYLLE ÄLÄ KATSO SÄTEESEEN.

### **VARNING!**

OSYNLING LASERSTRÄLNING NÄR DENNA DEL ÄR ÖPPNAD.  
BETRAKTA EJ STRÄLEN.

### **VARNING**

OSYNLING LASERSTRÄLNING NÄR DENNA DEL ÄR ÖPPNAD.  
STIRRA EJ IN I STRÄLEN.

### **ADVARSEL**

LASERSTRÄLING VED ÅBNING. SE IKKE IND I STRÄLEN.

CLASS 1 LASER PRODUCT  
APPAREIL A LASER DE CLASSE 1  
LASER KLASSE 1  
LOUKAN 1 LASERLAITE  
PRODUIT LASER  
CATEGORIE 1

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## **Caution on Lithium Batteries**

### **CAUTION**

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

### **ADVARSEL!**

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Léver det brugte batteri tilbage til leverandøren.

### **ADVARSEL**

Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

### **WARNING**

Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

### **VAROITUS**

Päristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

### **VORSICHT!**

Explosionsgefahr bei unsachgemäßen Austausch der Batterie Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

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## **FCC Class B Radio Frequency Interference Statement**

### **Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a 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 the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

### **Notice 1:**

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

### **Notice 2:**

Shielded interface cables, if any, must be used in order to comply with the emission limits.

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## About this Manual

### Purpose

This user's guide aims to give you all the necessary information about the system board, such as system board layout, onboard components, jumper settings, cache and memory configurations, and other internal devices.

### Conventions

The following are the conventions used in this manual:



#### **NOTE**

Gives bits and pieces of additional information related to the current topic.



#### **WARNING**

Alerts you to any damage that might result from doing or not doing specific actions.



#### **CAUTION**

Gives precautionary measures to avoid possible hardware or software problems.



#### **IMPORTANT**

Reminds you to do specific actions relevant to the accomplishment of procedures.



#### **TIP**

Tells how to accomplish a procedure with fewer steps through little shortcuts.

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