

# SHARP®

## Operation Manual Expansion Board



Applicable models LCD MONITOR PN-E601/PN-E521/PN-E471/PN-E421

Available models differ according to region.

**IMPORTANT:**

To aid reporting in case of loss or theft, please record the product's model and serial numbers in the space provided. The numbers are located on the product.

Model No.:
Serial No.:

U.S.A. ONLY

**SHARP®**  
SHARP CORPORATION

● **Thank you for purchasing a SHARP product.**

Before using the product, please be sure to read this operation manual carefully. In particular, be sure to read the section "To ensure safe and correct use". After reading the manual, keep it in a convenient location where it can be accessed at any time.

As for how to use the product, refer to the operation manual of the LCD MONITOR.

**TIPS**

- This product was shipped after strict quality control and inspection; however, if breakage or a malfunction should be found, contact your SHARP dealer or your nearest customer contact.
- Please understand that SHARP CORPORATION bears no responsibility for errors made during use by the customer or a third party, nor for any other malfunctions or damage to this product arising during use, except where indemnity liability is recognized under law.
- This product and its accessories may be upgraded without advance notice.

Authorised representative responsible for the European Union Community Market

SHARP ELECTRONICS (Europe) GmbH  
SonninstraÙe 3, D-20097 Hamburg

**WARNING:**

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

**NOTE:**

This equipment has been tested and found to comply with the limits for Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.  
(For U.S.A. Only)

U.S.A. ONLY



**Attention:** Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

**A. Information on Disposal for Users (private households)****1. In the European Union**

Attention: If you want to dispose of this equipment, please do not use the ordinary dustbin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge\*. In some countries\* your local retailer may also take back your old product free of charge if you purchase a similar new one.

\*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

**2. In other Countries outside the EU**

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of [www.swico.ch](http://www.swico.ch) or [www.sens.ch](http://www.sens.ch).

**B. Information on Disposal for Business Users****1. In the European Union**

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

**2. In other Countries outside the EU**

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

**WARNING:**

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate counter measures.

To maintain compliance with EMC regulations, use shielded cables to connect to the following terminals: PC/AV DVI-D output terminal, PC/AV DVI-D input terminal and PC RGB input terminals.

## To ensure safe and correct use

This operation manual and the product use various displays and labels to ensure safe use. Ignoring these displays and labels and incorrectly using the product could have results as classified below.

Please read the following warning symbol information before reading the rest of this section, and be sure to strictly observe all instructions.

**Warning:** Not following these instructions could result in death or serious injury.

- **Ask your SHARP dealer or qualified service person for the attachment/detachment of this product.**  
Attachment/detachment of this product by the customer may result in electric shock or injury.
- **Never try to modify, disassemble, or repair this product.**  
Doing so may result in fire, electric shock, or injury.
- **Only use the accessories with specified models.**  
Failure to do so may result in fire.

## Supplied accessories

If any component is missing, please contact your dealer.

- Expansion Board: 1  Terminal label: 1  Mounting screws: 1  Operation manual (this manual)  Speaker cable core: 2
- Installation Manual (instructions for SHARP dealers and service engineers): 1