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**Panasonic**<sup>®</sup>

Programmable Memory (RAM)  
Model: RL-P9001/RL-P9002

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Instruction for Use

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For your convenience and protection, enter the information below and retain for future reference. The model number is on the bottom of the unit and serial number is inside the battery compartment. A separate warranty registration card is packed with the unit. This should be completed and mailed to Panasonic as soon as possible. If you received no warranty registration card with your purchase, please contact your Panasonic dealer, they may have registered the unit for you.

Notice: In several countries a warranty registration card is not necessary.

Model No. \_\_\_\_\_ Dealer Name \_\_\_\_\_  
 Serial No. \_\_\_\_\_ Dealer Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip  
 Purchase Date \_\_\_\_\_ Dealer Telephone \_\_\_\_\_

**GENERAL DESCRIPTION** The basic unit of Programmable Memory (RAM), RL-P9001, has a storage capacity of 4K bytes. Each such unit can be up-graded in 2K increments to 8K.

**CONNECTION** First, make sure the HHC Primary Unit is off before either connecting or disconnecting Programmable Memory (RAM) units.

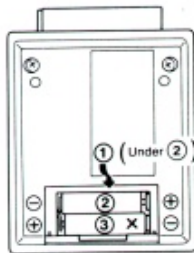
The left-hand side slot of the HHC Primary Unit can receive a RAM unit. Also any slot of the I/O Adaptor can accept a RAM unit, giving you the possibility of a total of six RAM units connected at one time.

Simply insert the bus connector on the RAM unit into the slot. The RAM unit must be right side up when inserted (do not force fit an upside down RAM unit).

**BACK-UP BATTERY FOR MEMORY (OPTION)** There is a battery door on the bottom of each RAM unit; inside are three manganese batteries with a life of about 12 months. It is essential that these batteries be replaced in time, so a sticker is provided which is attached on the bottom of the RAM unit. You can use the sticker to indicate the date when the batteries need replacing. These batteries maintain your information in the RAM unit when it is disconnected from the Primary Unit.

**POWER SOURCE** The RAM unit has two power supplies. One is for access and control of information and comes from the Primary Unit or the I/O Adaptor. The other, the back-up power supply, comes from the three AAA manganese batteries located inside the RAM unit.

**HOW TO CHANGE BATTERIES** First, turn the Primary Unit off by pressing the OFF key. Second, remove the Primary Unit from the I/O Adaptor tray, freeing the left slot. Third, attach the RAM unit to the Primary Unit. Fourth, turn the Primary Unit and RAM unit over. Fifth, open the battery compartment door on the RAM unit and insert the new batteries in the direction indicated by the compartment diagram.



**Following procedure is recommended to change the batteries:**

- A. Remove the ③ battery by depressing the battery at the spot indicated by the × in the illustration.
- B. Grasp the ② battery and remove.
- C. Using a fingernail or screwdriver, press the end of the ① battery towards the spring (←) and lift.
- D. Insert the new batteries. To insert the batteries easily, push the battery towards the spring.

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**WHAT CAN GO WRONG**

As mentioned above, if the back-up batteries are not replaced in time, you may lose all the information in the RAM unit.

If the RAM unit is not securely connected, you will not be able to control it. If the RAM unit is not connected to the Primary Unit when you change the batteries, you will lose all information (you don't need to turn on the Primary Unit, it will automatically supply power to an attached RAM unit).

When the RAM unit will be stored alone, make sure the bus connector has a cap on it to prevent electro-static damage.

**HOW TO EXPAND MEMORY CAPACITY**

If you want to expand the memory capacity, take the RAM unit to the nearest Panasonic Servicenter in your area (for RL-P9001).

**SPECIFICATIONS**

Memory Capacity:	RL-P9001; 4K bytes (two 2K bytes CMOS RAM) expandable to 8K bytes RL-P9002; 8K bytes (four 2K bytes CMOS RAM)
Memory Protection	
Back-up Battery:	3 "AAA" manganese batteries as back-up
Life Time:	About 1 year
Power Source:	Supplied from the HHC Primary Unit
Power Consumption:	20 mW
Operating Temperature:	32°F–104°F (0°C–40°C)
Dimensions:	4-1/2" × 1-3/16" × 3-3/4" (113.5 × 30.5 × 95 mm)
Weight:	8.1 oz. (230 g) without batteries 9.2 oz. (260 g) with batteries

(only for USA)

**WARNING—This equipment has been certified to comply with the limits for a Class B computing device, pursuant to Subpart J of Part 15 of FCC Rules. Only peripherals (Computer input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this computer. Operation with noncertified peripherals is likely to result in interference to radio and TV reception.**

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules. Which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

- ..... reorient the receiving antenna
- ..... relocate the computer with respect to the receiver
- ..... move the computer away from the receiver
- ..... plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.