

# Operating Instructions

## **PROGRAMMABLE VIDEO SYSTEM**

*Model 1392*  
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# PROGRAMMABLE VIDEO SYSTEM

Your new Programmable Video System lets you enjoy a tremendous variety of different video games over your T.V. Its versatile microprocessor "brain" and the extensive library of available optional game cartridges allow unlimited fun for the whole family. For example you can improve your maths with "Basic Maths" and "Maths II" or defend the earth against alien attacks with "Invaders".

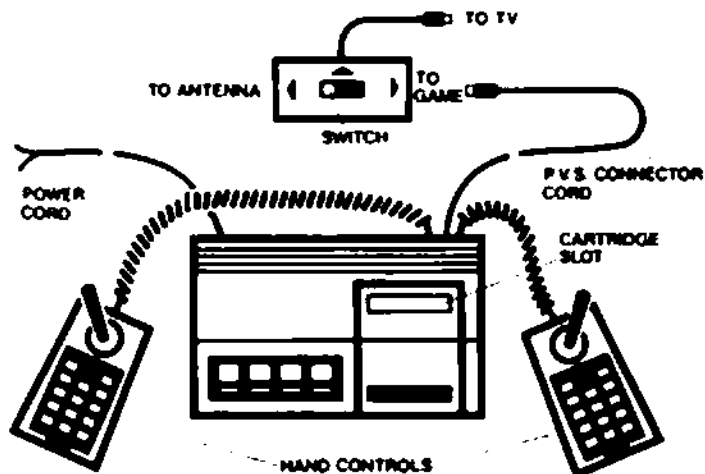
The Programmable Video System (P.V.S. for short) attaches easily to most brands of television, any screen size, black and white or colour. In order to understand and get the most enjoyment from your P.V.S., please take a few minutes to read this booklet.

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# INSTALLATION



- 1-1. Disconnect your T.V. antenna lead from the back of your T.V. and plug it into the socket marked "ANTENNA" on the switchbox furnished with your P.V.S.
- 1-2. Insert the "P.V.S. CONNECTOR PLUG" into the socket marked "GAME" on the switchbox. Now plug the switch box into the T.V. antenna socket at the back of your T.V. Set the switchbox to the "GAME" position. Make sure the switch is set all the way over to the "GAME" position.

**1-3. MAINS SUPPLY.** Your P.V.S. is designed to operate of your household mains supply (240V. AC-50HZ) and is supplied with a mains lead containing two wires.

**IMPORTANT** – The wires in the mains lead are coloured in accordance with the following code:  
**BLUE – NEUTRAL**  
**BROWN – LIVE**

Connect the leads to a suitable plug. **DO NOT MAKE ANY CONNECTION TO THE EARTH TERMINAL OF THE MAINS PLUG AS YOUR P.V.S. IS DOUBLE INSULATED AND DOES NOT REQUIRE AN EARTH CONNECTION.** If your household mains system is a type using fused plugs use only a 3 amp fuse in the plug. If the plug does not use a fuse the mains circuit must be protected by a fuse of not larger than 5 amp.

Connect the mains plug to a suitable mains outlet.

**1-4.** Make sure the P.V.S. is switched "OFF" then carefully insert a cartridge into the slot on the P.V.S. Note that the cartridge is inserted correctly – that is the printed label on the cartridge is the right way up and facing you. The cartridge should slide down easily through the "door" in the P.V.S. until the cartridge connects inside. Make sure the cartridge is firmly connected but do not force it.

- 1-5. Tune your T.V. to receive the video signal from the P.V.S. as follows:
    - A. Check that the P.V.S. is connected properly and the cartridge is fully inserted. Switch the Power Switch to the "ON" position and press the "Reset" button. Set the switch box to the "GAME" position.
    - B. Switch your T.V. set on and select an unused channel on the channel selector.
    - C. Adjust the tuning control on your T.V. set until the game playing field appears on the T.V. screen. When you have the set "tuned in" to the correct channel you will have a sharp clear picture.
    - D. Adjust the T.V. contrast, brightness, and colour controls (if using a colour T.V.) for a pleasant picture.
    - E. On some T.V.'s it may be necessary to adjust the "horizontal hold" or "vertical hold".
  - 1 6. When playing the games you will hear sound effects over the loudspeaker on your T.V. If the game sounds are not clear then it may be necessary to adjust the "SOUND CONTROL" which is located on the underside of the P.V.S. Adjust carefully with a small screw-driver DO NOT USE FORCE TO TURN THIS CONTROL. The range of movement of this control is only one-half turn.
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## GAME CARTRIDGE

- 2-1. The Programmable Video System enables you to use your Game Console with different optional cartridges to play a wide variety of games. There are many game cartridges now available. Some of the cartridges utilize the keyboards on the Player Hand Controls to enter information or control game motion. The cartridges are all supplied with complete instructions and when necessary an appropriate keyboard overlay is furnished with the cartridge to indicate the key functions.
- 2-2. Inserting and Removing cartridges:
  - A. Always switch your Programmable Video System off when inserting or removing game cartridges.
  - B. Hold the cartridge so that it is right side up and aligned with the slot in the P.V.S.
  - C. Insert the cartridge down into the P.V.S. The cartridge should slide without being forced. Slide the cartridge down until you feel it connect inside the P.V.S. at the bottom of its travel. NEVER TRY TO FORCE A CARTRIDGE INTO THE P.V.S.
  - D. To remove a cartridge turn the P.V.S. OFF, then pull the cartridge straight up out of the P.V.S.

**2-3. PRECAUTIONS.** The Game Cartridges contain sensitive electronic circuitry and should never be subjected to rough handling.

- A.** Avoid storing cartridges where they will be exposed to excessive heat or moisture.
- B.** Switch the P.V.S. off when inserting and removing cartridges.
- C.** Do not open or tamper with cartridges.

**2-4.** This P.V.S. is designed to operate with all brands of television. On some T.V.'s the players may occasionally appear to vibrate or 'wiggle' slightly when they are left stationary in some locations on the screen. Likewise a thin line may appear on one side of the player or playing field outlines. Neither of these conditions has any effect on play.

**2-5.** If another game has not been started within a few minutes after a game is over the system has been programmed to flash the playing field in alternating colours (on colour T.V.'s) to draw your attention and prevent possible damage to your T.V.

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# TROUBLE SHOOTING GUIDE

- 3-1. Be sure all connections to the television and game are secure. Do not open the set. This game does not contain any user serviceable parts.

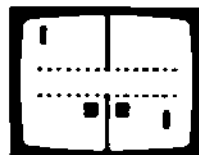
## SYMPTOM



- \* No game
- \* Faint TV image or herring bone pattern

## REMEDY

- \* Cartridge is not fully inserted into the P V S
- \* Cartridge was inserted into the P V S while power switch was 'ON' slide switch to off then back on
- \* P V S not connected properly to switchbox
- \* P V S not connected to mains
- \* P V S power switch not turned 'ON'
- \* Switch box not set to 'Game'
- \* TV not tuned to correct channel for P V S Adjust TV tuning control



- \* Picture roll
- \* Bottom line off screen

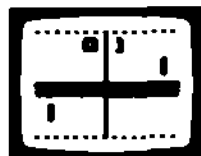
- \* Adjust 'Vertical Hold' control on TV set



- \* Stripes ACROSS SCREEN
- \* Lots of Dots

- \* Adjust 'Horizontal Hold' control on TV set
- \* Reduce 'Colour intensity' on color TV sets



**SYMPTOM****REMEDY**

- \* Vertical or Horizontal line moving across screen

- \* Push game reset button on P.V.S
- \* Adjust contrast control on TV

- \* Game 'locked' to 1 part secular playing field, cannot change games

- \* Push P.V.S Reset Button

- \* Poor colour (on colour TV)

- \* Adjust TV tuning control slightly. Adjust colour controls on TV.

- \* Weak or fuzzy sound.

- \* Adjust 'Sound Control' on P.V.S

- \* No regular TV program.

- \* Antenna not correctly plugged into switchbox.
- \* TV still tuned to P.V.S channel.
- \* Switchbox is still set to 'TV Game' position

- \* Game action does not play or does not proceed properly, or
- \* Missing sounds, or
- \* Game Display is not correct on TV screen

- \* The Game Program has not been fully input into computer. Check that Cart ridge is fully connected into the P.V.S. Press RESET key twice

**ALWAYS DISCONNECT FROM THE MAINS SOCKET AFTER YOU HAVE FINISHED USING THE PROGRAMMABLE VIDEO SYSTEM.**

## MAINTENANCE

4 - 1. Your Programmable Video System has been carefully assembled using highest quality components. It has been fully tested and is designed to provide you with many years of enjoyment. Please keep the following points in mind in order to maintain your Programmable Video System in good working order.

- A. Don't try to force Game Cartridges into the P.V.S. Never put pencils, pens or any other object through the slot in the P.V.S. Don't allow food crumbs, liquids, or dirt to fall through the game cartridge slot.
- B. Prevent dust from accumulating in the game cartridge slot and falling inside the P.V.S.
- C. Unplug the P.V.S. from the mains when it is not in use.
- D. Remember to turn the power switch OFF when not in use and whenever inserting or removing game cartridges.
- E. Use a soft, slightly damp cloth to clean the exterior of the P.V.S.
- F. Avoid subjecting the P.V.S. or Game Cartridges to excessive heat or rough handling.
- G. Do not attempt to use Game Cartridges other than those designed for this P.V.S.

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