


# Television Operation & LCD Installation Instructions

For screen sizes 10.4", 15.1" & 17" Widescreen

CE

Rev 2.1

[www.aquavision.tv](http://www.aquavision.tv)

 AQUAVISION

## WARNING:

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### Caution:

Do not attempt to modify this product in any way without written authorisation from the manufacturer.

### Power

This set operates on a DC supply provided by the AC-DC adaptor, the voltage is as indicated on the label on the back cover. Use only the AC-DC adaptor supplied with your AQUAVISION® and never apply an AC mains supply to the set directly. The AC-DC adaptor operates on an AC mains supply, the voltage is as indicated on the label of the AC-DC adaptor.

### Service

Never remove the front or back cover of the TV; this can expose you to high Voltage and other hazards. If the TV is faulty in any way, switch it off and call your dealer. After any maintenance, you will need to remove and clean off the original silicon and re seal the front joints as stated overleaf.

### Location

Position your TV so that no bright light or sunlight will shine directly onto the screen.

### Cleaning

When cleaning AQUAVISION®, never use an abrasive cleaner. The front of the screen is glass and therefore should be cleaned with a soft damp cloth and a mild, non-abrasive glass/tile cleaning agent.

### Earth

The unit must be earthed to the main earth system of the building and must conform to the latest electrical safety regulations.

### Installation

It is the installer's responsibility to ensure that the AQUAVISION® unit is installed and sealed correctly as stated in these instructions. Your guarantee will be void if any problems are caused through installation faults or poor sealing. After any maintenance, you will need to completely clean the old silicon off and re-seal as stated above.

Please note: The installation of your AQUAVISION® unit should be carried out by a technically competent person and must conform to all the relevant regulations. If in doubt, please refer to your supplying dealer.

# CONTENTS:

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*Before operating the set, please read this manual carefully.*

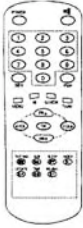
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# Supplied Accessories

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Make sure the following accessories are provided with your AQUAVISION®.

1. Remote Controller



2. Batteries (type AAA)



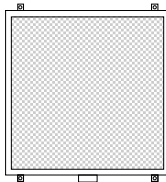
3. Operating Manual



4. Waterproof Remote Control



5. LCD Panel



## Connections

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### **Speaker Connection.**

Connect each speaker cable into its respective terminal on the connector block at the rear of the LCD unit making sure you observe polarity. Only one speaker should ever be connected to each speaker lead on your AQUAVISION®. Failure to observe this will cause serious damage to your unit that will not be covered under your guarantee.

NOTE: In areas of weak signal or if you have connected other televisions to your aerial, a TV distribution amplifier may be required. These are available from all good dealers.

### **LCD Connection.**

Connect all cables as per the schematic shown on the rear of the television, taking care not to damage the small circuit board on the bottom.

Once you are happy that all connections are made, put the LCD television into the aperture and insert the 4 screws (already mounted within the bezel) to the LCD back cover.

The LCD panel is now ready for a final clean before the installation of the glass.

(Glass installation instructions can be found within the glass component packaging)

NOTE: Once the glass has been installed please ensure that any maintenance of the AQUAVISION® unit involves the use of a glass sucker to remove the glass panel.

# Connectors

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## Input/Output Connectors For AQUAVISION® 10.4" TV

**1. Ant. (Antenna input)**

**2. DC12V adaptor input**

**3. SCART**

**4. HEADPHONE out STEREO out**

Connect a headphone to this socket or use as output for multiroom system

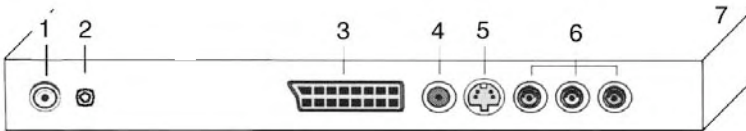
**5. S-VIDEO Input**

Connect the output of an S-VIDEO VCR/DVD to the S-VIDEO input and the audio to the AV-IN audio.

**6. AV-IN Inputs**

Connect the Audio/Video outputs of external equipment to these inputs.

**7. Speaker connections**



When installing on the AQUAVISION® 10.4" screen, there is a power switch located on the side of the plastic chassis attached to the front plate. Make sure this is set to "ON" before fitting the front panel.

## Input/Output Connectors For AQUAVISION® 15" TV

**1. PC/DTV Audio Input**

**2. DC12V adaptor input**

**3. PC/DTV Screen Input**

**4. SCART. Fully wired.**

**5. HEADPHONE out STEREO out**

Connect a headphone to this socket or use as output for multiroom system.

**6. S-VIDEO Input**

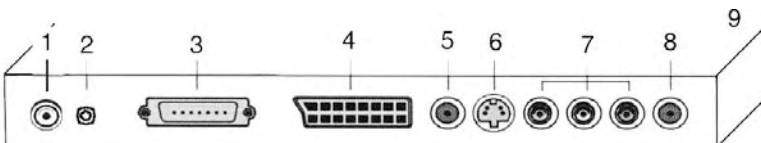
Connect the output of an S-VIDEO VCR/DVD to the S-VIDEO input and the audio to the AV-IN audio

**7. AV-IN Inputs**

Connect the Audio/Video outputs of external equipment to these inputs.

**8. Ant. (Antenna input)**

**9. Speaker connections**



# Connectors

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## Input/Output Connectors For AQUAVISION® 17" Widescreen TV

**1. PC/DTV Audio input**

**2. DC12V adaptor input**

**3. PC/DTV Screen Input**

**4. SCART.** Fully wired.

**5. HEADPHONE out STEREO out**

Connect a headphone to this socket or use as output for multiroom system.

**6. S-VIDEO Input**

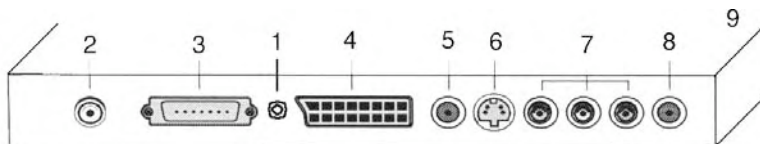
Connect the output of an S-VIDEO VCR/DVD to the S-VIDEO input and the audio to the AV-IN audio

**7. AV-IN Inputs**

Connect the Audio/Video outputs of external equipment to these inputs.

**8. Ant. (Antenna input)**

**9. Speaker connections**



# Remote Controller

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All functions can be controlled with the remote controller.

## Remote Controller

Before you use the remote controller, please install the batteries.

### 1. POWER

Turns the TV on from standby mode and off to standby mode.

### 2. MUTE

Turns the sound on and off.

### 3. NUMBER buttons

Select program numbers.

### 4. PSM (Picture Status Memory)

Recalls your preferred picture setting

### 5. SSM (Sound Status Memory)

Recalls your preferred sound setting

### 6. TV/AV

Selects TV, SCART, VIDEO, S-VIDEO or PC mode.

Clears the menu from the screen.

### 7. MENU

Displays a main menu.

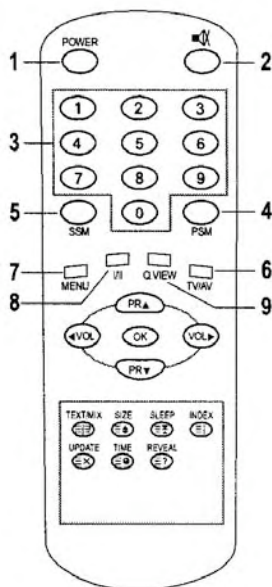
### 8. I/I

Selects the language during dual language broadcast.

Selects the sound output.

### 9. Q.VIEW

Returns to the previously viewed program.





# Remote Controller

## 10. PR\_\_ (Program Up/Down)

Selects previous or next program or a menu item.

## 11. OK

Accepts your selection or displays your current mode.

## 12. VOL\_\_ (Volume Up/Down)

Adjusts the sound level, and adjusts menu settings.

## 13. SLEEP

Sets the sleep timer. **Note:** In Teletext mode, The **SLEEP** button is used for Teletext function.

## 14. TELETEXT buttons

These buttons are used for Teletext.

See the 'Teletext' section on page 22-23.

## 15. ARC

Selects a screen mode 16:9 or 4:3 (wide or normal)

## 16. SCART

Selects the SCART input mode

## 17. VIDEO

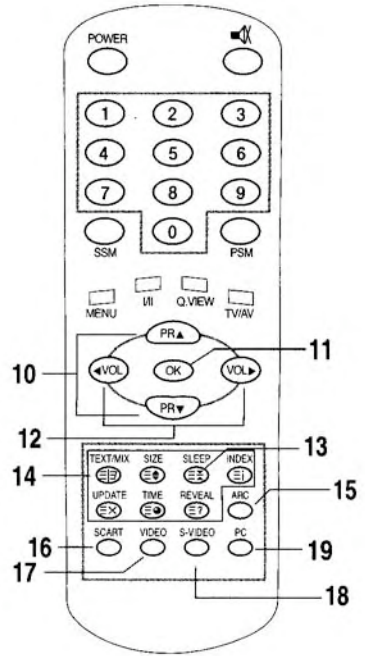
Selects the Video input mode

## 18. S-VIDEO

Selects the S-Video input mode

## 19. PC

Selects the PC input mode



## Battery Installation

### •Inserting batteries

1. Remove the battery cover by pulling it upward in the direction shown by the arrow.
2. Insert the batteries with correct polarity ("+" to "+", and "-" to "-").
3. Replace the battery compartment cover.



Install two high-quality 1.5V "AAA" alkaline batteries. Do not mix old batteries with new batteries. Remove batteries when the remote controller will not be in use for a long period of time. Liquid leakage from old batteries may cause operation failure.

# Waterproof Remote Controller

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Standard operating features are available with this remote controller. The unit is also waterproof and so can be dropped in the bath where you will easily be able to find it as it will float!

## **Mute**

Turns the sound on and off.

## **TV/AV**

Selects TV, SCART, VIDEO, S-VIDEO or PC mode.

## **POWER**

Turns the TV on from standby mode and off to standby mode.

## **0-9 NUMBER buttons**

Select program numbers.

## **PR\_ (Program Up/Down)**

Selects next or previous program.

## **OK**

Displays your current mode on screen.

## **VOL + - (Volume Up/Down)**

Adjusts the volume level.



## Replacing the battery

Your Waterproof Remote Controller comes as standard with a coin cell battery installed. Should this need replacing at any time, simply twist open the battery compartment on the rear of the remote control by turning it with a coin, and remove the discharged battery. Replace with a CR2032 Lithium Battery making sure you observe polarity. Replace battery cover and twist to close.

## Notes for using remote controller

- Make sure there are no objects between the remote controller and its sensor.
- Do not place the main remote control near a heater.
- Strong impact to the remote control may cause operation failure.
- Signal from the remote control may be disturbed by sunlight or other bright light. In this case, darken the room.

# Basic Operation

## Turning the TV On and Off

**Standby Set-up:** The power supply and the mains power lead must be set up and connected to have the TV in standby mode ready to be turned on. Press the power button on the front panel of the TV or on the remote control to go into standby mode.

1. If the TV is in standby mode, press the Power button on the remote controller or the TV itself to turn the TV on.
2. Press the Power button again on the remote controller or the TV itself to turn the TV off.

**Note:** If the TV is on and the power button is pressed to turn the TV off, the TV goes into standby mode.

## Program Selection

You can select a program with the PR\_\_ button or NUMBER buttons.


## Volume Adjustment

Press the VOL\_\_ button to adjust the sound level.

## Quick View

Press the Q.VIEW button to view the last channel you were watching.

## Sound Mute Function

Press the MUTE button. The sound is switched off and the mute display  appears.

To cancel mute mode, press the MUTE button again, VOL\_\_ or SSM button.

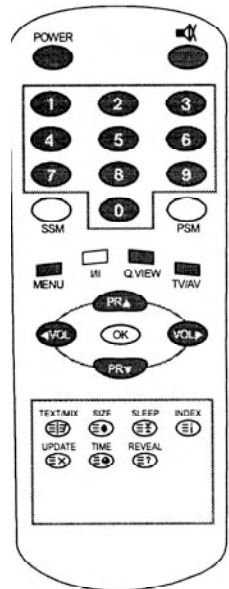
## On Screen Menu Language Selection

The menu can be displayed on the screen in your desired language.

First select your language.

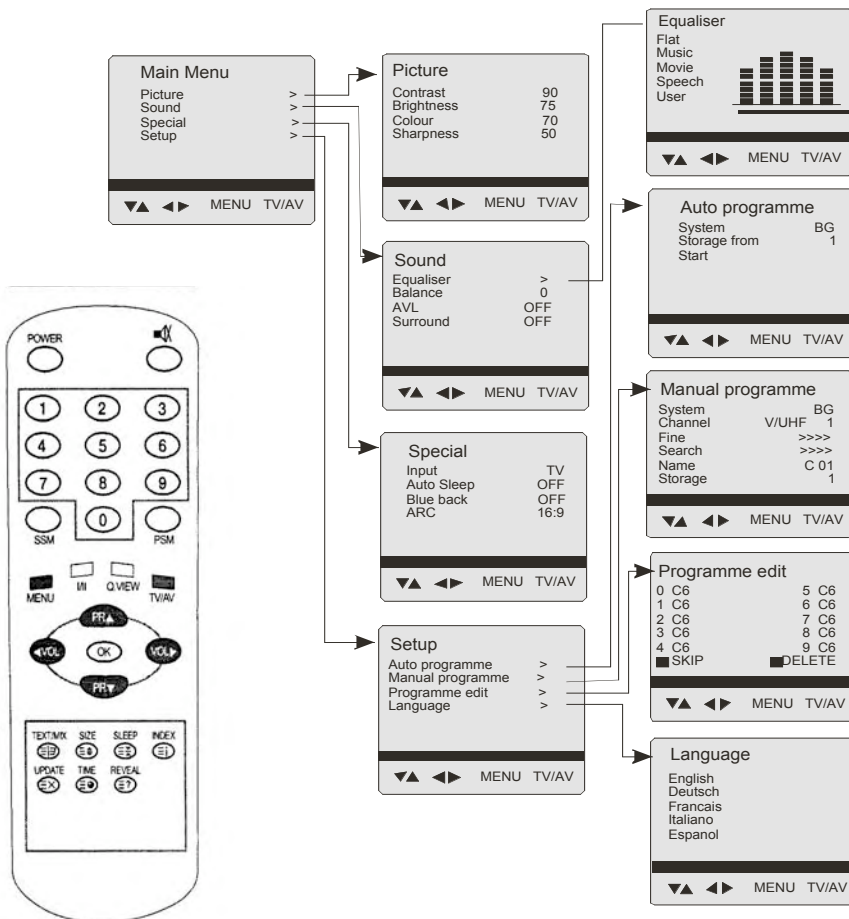
1. Press the MENU button.
2. Select the Set-up menu3.
3. Select the Language menu.
4. Press the PR\_\_ button to select your desired language.
5. Press the TV/AV button.

All the on screen displays will appear in the selected language.



# On Screen Menus and Displays

1. Press the **MENU** button to display main menu.
2. Press the **PR\_** button to select menu-Picture, Sound, Special, Set-up.
3. Adjust each menu with the **VOL\_** button.
4. Press the **MENU** button to return to preceding menu.
5. Press the **TV/AV** button to finish adjusting menu.



# Setting up TV Program

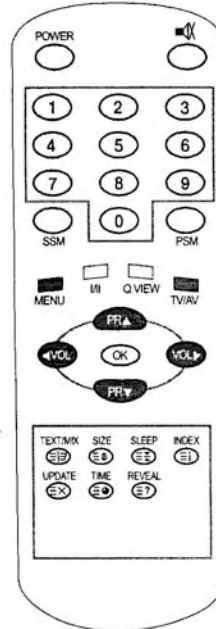
Once you have preset the program, you will be able to use the **PR** or **NUMBER** buttons to scan the program you programmed.

Program can be tuned using automatic or manual modes.

## Auto program

All programs that can be received are stored by this method. It is recommended that you use **Auto program** during installation of this set.

1. Press the **MENU** button.
2. Select the **Set-up** menu.
3. Select the **Auto program** menu.
4. Press the **PR** button to select **System**.
5. Select a TV system with the **VOL** button;
6. Press the **PR** button to select **Storage from**.
7. Select the beginning program number with the **PR** button or **NUMBER** buttons.
8. Press the **VOL** button to start Auto program.
9. Press the **MENU** button to finish Auto program.
10. Press the **TV/AV** button to return to normal TV viewing.

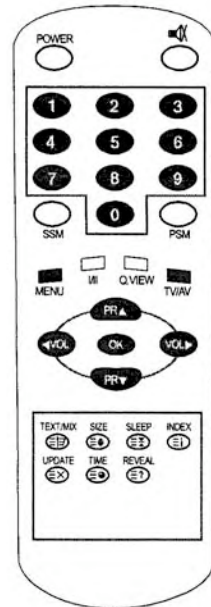
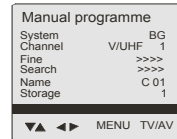


# Setting up TV Program

## Manual program

Manual Program lets you manually tune and arrange the program in whatever order you desire. You may also assign a program name with 5 characters to each program number.

1. Press the MENU button.
  2. Select the **Set-up** menu.
  3. Select **Manual Program** menu.
  4. Press the **PR** button to select **System**.
  5. Select a TV system with the **VOL** button.
  6. Press the **PR** button to select Channel. Press the **VOL** button to select V/UHF or Cable as required. If possible, select the program number directly with the **NUMBER** buttons.
  7. Press the **PR** button to select **Search**. Press the **VOL** - button to commence searching. If a channel is found the search will stop.
  8. Press the **PR** button to select Name. Press the **VOL** button. You can use a blank +, -, the numeric 0 to 9 and the alphabet A to Z. With the **VOL** button, you can select in the opposite direction.
  8. If this Program is the one required, press the **PR** button to select **Storage**. Select the desired program number with the **VOL** button or **NUMBER** buttons.
  9. Press the **OK** button to store it. The display **Stored** will appear.
- To store another Program, repeat steps 5 to 10.



# Setting up TV Program

## Program Edit

This function enables you to delete or skip the stored program.

You may also move some programs to other program numbers or insert a blank program data into the selected program number.

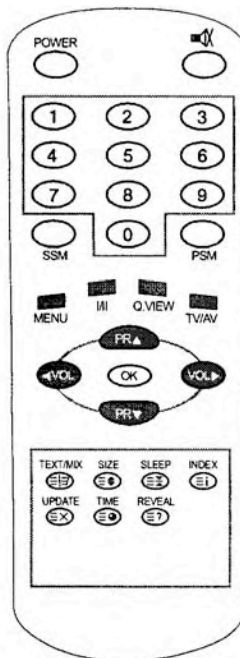
1. Press the **MENU** button.
2. Select the **Set-up** menu.
3. Press the **PR\_** BUTTON to select **Program edit**.
4. Select the program name to edit with the **PR\_** and **VOL\_** button.

### Skipping a Program Number

1. Select a program to be deleted with the **PR\_** or **VOL\_** button.
2. Press the **GREEN** button. The skipped program turns to blue.
3. Press the **GREEN** button again to release the skipped program.
4. Press the **TV/AV** button to return to normal TV viewing.

### Deleting a Program

1. Select a program to be deleted with the **PR\_** or **VOL\_** button.
2. Press the **Yellow** button twice.
3. The selected program is deleted and all the following programs are shifted up one position.



# Picture Control

You can adjust picture Contrast, Brightness, Colour and Sharpness to the levels you prefer.

## Manual Picture Control

1. Press the **MENU** button.
2. Select the **Picture** menu.
3. Press the **PR\_** button selects a picture item.
4. Press the **VOL\_** button to adjust the picture conditions as you want.
5. Press the **TV/AV** button to store for the picture **User**.

Picture	
Contrast	90
Brightness	75
Colour	70
Sharpness	50
MENU TV/AV	

Selected Item	Setting Change
Contrast	More darkness VOL<0-100>VOL More light
Brightness	Less bright VOL.< 0-100 >-VOL More bright
Colour	Lower colour intensity VOL< 0-100 >VOL Higher colour intensity
Sharpness	Soft picture VOL< 0-100 >VOL Sharp picture

## Auto Picture Control

"The Picture options - Dynamic, Standard, Mild, Game, and User are programmed for optimum reproduction at the factory and cannot be changed.

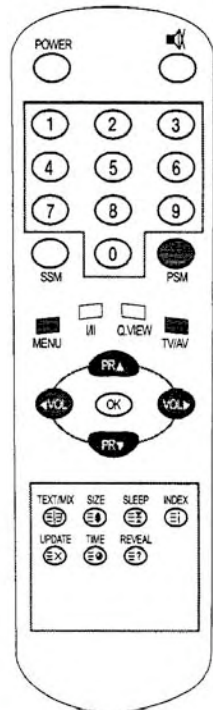
## PSM (Picture Status Memory)

1. Press the **PSM** button.
2. Press the **PSM** button repeatedly to select [PSM].

Each press of the button changes the screen display as below.

**Dynamic \_ Standard \_ Mild \_ Game \_ User**

- Dynamic:** Vivid Picture Appearance
- Standard:** Standard Picture Appearance
- Mile:** Softer Picture Appearance
- Game:** External Video Game Picture Set-up
- User:** Manual Picture Set-up

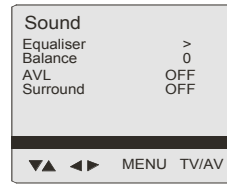
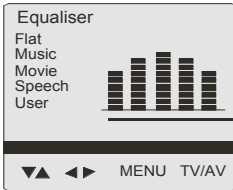




# Sound Control

You can select your preferred sound settings: Flat, Music, Movie or Speech and you can also adjust the sound frequency of the equalizer balance. If you switch AVL to **ON**, the set automatically keeps on an equal volume level even if you change program.

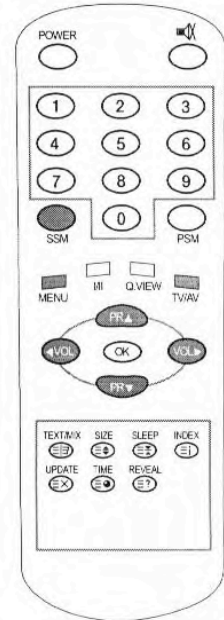
1. Press the **MENU** button.
2. Select the **Sound** menu.
3. Press the **PR\_** button to select the desired sound item; **Equalizer, Balance, AVL** or **Surround**.
4. Press the **VOL\_-** button to make desired adjustment.
5. Press the **VOL\_** button in **Equalizer** to set the **Equalizer**.



6. Press the **PR<sub>AV</sub>** button to select your preferred setting; **Flat, Music, Movie, Speech** or **User**.

To set the **Equalizer User**.

- a. Select **User** by pressing the **PR\_** button.
- b. Select a sound band by pressing the **VOL\_** button.
- c. Make appropriate sound level with the **PR\_** button.
- d. Press the **MENU** button to return to preceding menu and the **TV/AV** button to return to normal TV viewing.



## Auto Sound Control

\* The sound **Flat, Music, Movie** and **Speech** are programmed for optimum reproduction at the factory and cannot be changed.

## SSM (Sound Status Memory)

1. Press the SSM button.
  2. Press the **SSM** button repeatedly to select.
- Each press of the button changes the screen display **as below**.

**Flat \_ Music \_ Movie \_ Speech \_ User**

## Other functions

### TV, SCART, VIDEO and S-VIDEO Modes

(You cannot set PC mode in this menu. Use the TV/AV button)

External equipment inputs: VIDEO or S-VIDEO modes are used for video devices like VCRs, DVDs, and Satellite etc.), SCART, is used for component type devices.

**Note:** If a VCR is connected to the antenna jack, use TV mode. See External Equipment Connection section.

1. Press the **MENU** button.
2. Select the **Special** menu.
3. Press the **PR** button to select **Input**.
4. Press the **VOL** button to select **TV, SCART, VIDEO and S-VIDEO**.

**SCART:** Device connected to the SCART jack.

**VIDEO:** VIDEO device connected to the TV's VIDEO Input.

**S-VIDEO:** S-VIDEO device connected to the TV's S-VIDEO Input.

**PC:** PERSONAL COMPUTER connected to the PC socket of the set

To return to TV mode, press the TV/AV buttons repeatedly. Alternatively you can select the TV, SCART, VIDEO, S-VIDEO or PC mode by pressing the **TV/AV** button.

### Blue Back

Programs without a program signal appear in blue.

### ARC (Automatic Ratio Control)

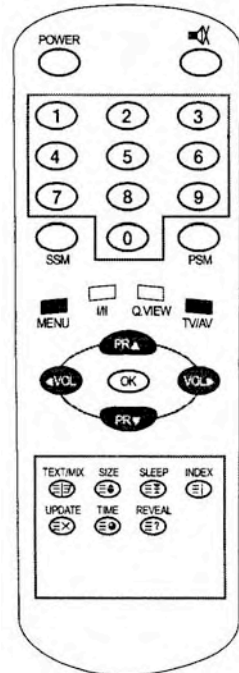
#### Widescreen models only

Selects a screen mode of Zoom, 4:3 or 16:9 (zoom, normal or widescreen)

### Auto Sleep

If you select **Auto sleep ON**, the set will automatically switch itself to standby mode approximately ten minutes after a TV Channel stops broadcasting.

1. Repeatedly press the **MENU** button to select the **Special** menu.
2. Press the **PR** button to select **Auto sleep**.
3. Press the **VOL** button to select **ON**.
5. Press the **TV/AV** button to return to normal TV viewing.



## Other Functions

### Sound Output Selection

In VIDEO mode, you can select the output sound for the left and right loud-speakers.

Repeatedly press the **M/II** button to select the sound output.

**L+R:** Audio signal from audio L input is sent to left loud-speaker and audio signal from audio R input is sent to right loud-speaker.

**L+L:** Audio signal from audio L input is sent to left and right loud-speakers.

**R+R:** Audio signal from audio R input is sent to left and right loud-speakers.

### Sleep Timer

The sleep timer automatically switches the set to standby after the preset time elapses.

Press the **SLEEP** button to select the number of minutes.

The display will appear on the screen, followed by **0, 10, 20, 30, 60, 90, 120, 180** and **240**. The timer begins to count down from the number of minutes selected.

- Note:
- to view the remaining sleep time, press the **SLEEP** button once.
  - To cancel the sleep time, repeatedly press the **SLEEP** button until the display appears.

The following feature is on the AQUAVISION® 10.4" screen only and is found on the SPECIAL menu.

### Auto flip

You can install this set any way up you want to.

With Auto flip ON, it will select the correct way up the picture will be shown.

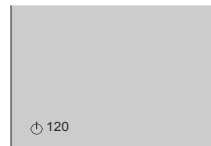
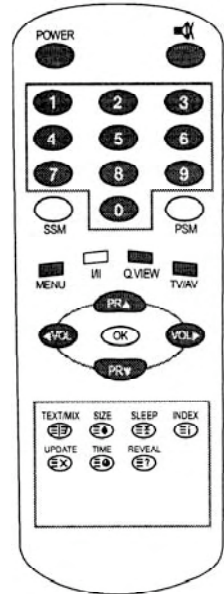
### Horizontal flip

When this function is ON, the screen picture is flipped left to right.

You could use this if you were watching a reflection of the picture in a mirror.

### Vertical flip

When this function is ON, the screen is flipped up/down and left/right



Original picture



Horizontally flipped



Vertically flipped



# Teletext

1. Press **TEXT/MIX** button once, this displays the Teletext pages.
2. Press **TEXT/MIX** button once more, this displays the Teletext pages superimposed on the **TV** picture.
3. Press the **TEXT/MIX** button once more to switch off Teletext, Text mode is off, and TV mode appears.  
If you press **TEXT/MIX** button repeatedly, displays are changed as below.

TEXT > MIX > TV Mode

## TOP Text

The user guide displays four fields: red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicate the next block.

### Group/block/page selection

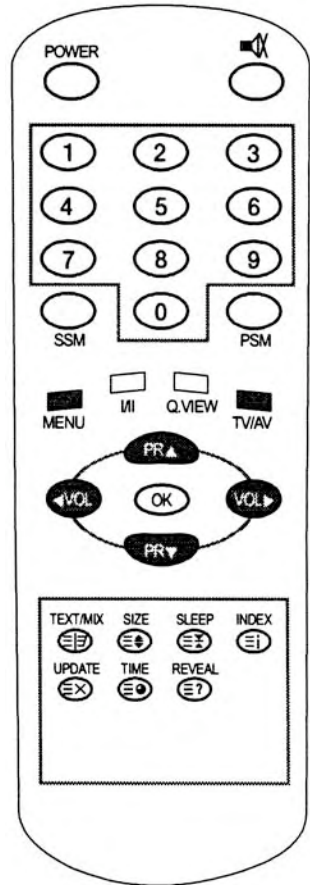
1. With the **BLUE** button you can progress from block to block.
2. Use the **YELLOW** button to proceed to the next group with automatic overflow to the next block.
3. With the **GREEN** button you can proceed to the next existing page with automatic overflow to the next group. Alternatively the **\_** button can be used.
4. The **RED** button permits to return to previous selection. Alternatively the **\_** button can be used

## FLOF Text








The Teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

### Page selection

1. Press the **INDEX** button to select the index page.
2. You can select the pages, which are colour coded along the bottom line with the same coloured buttons.
3. The **VOL\_** button can be used to select the preceding or following page.



## Special Teletext functions

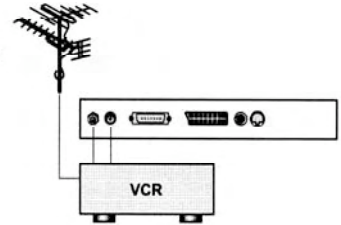
Menu	Functions
 TEXT/MIX	Changes Teletext mode ; Only Teletext mode, text mode superimposed on the TV picture, TV mode
 SIZE	Selects double height text. Press this button to enlarge the top half of the page. Press this button again to enlarge the bottom half of the page. Press this button again to return to the normal display.
 HOLD	Stops the automatic page change, which will occur if a Teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inhibited. To continue press this button again.
 INDEX	Return to index page
 UPDATE	Displays the TV picture on the screen while waiting for the new Teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available the display will change to the page number. Press this button to view the updated Teletext page.
 TIME	When viewing a TV program, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display. In Teletext mode press this button to select and hold or change a four-digit sub page number. This is displayed along the bottom of the screen. Press this button again to exit this function.
 REVEAL	Press this button to display the concealed information, such as solutions of riddles or puzzles. Press this button again to remove the information from the display.

# External Equipment Connection

You can connect additional equipment, such as **VCRs, Camcorders** etc. to your AQUAVISION® set. Examples are shown below.

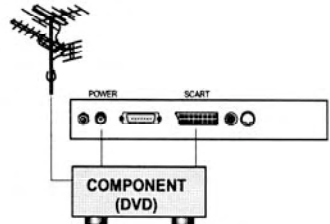
## Antenna connection

1. Connect RF out on the VCR to the **Antenna Input** on the rear of the AQUAVISION®
2. Connect the antenna cable to the **Antenna In** jack on the VCR.
3. Press the TV/AV button to select Antenna Input source.
4. Press the **PLAY** button on the VCR.



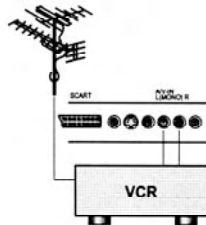
## SCART Jack

1. Connect the Video outputs (Y Cb Cr) on a DVD to the SCART on the TV.
2. Press the **TV/AV** button to select **SCART** mode.
3. Press the **PLAY** button on the DVD.



## A/V INPUT

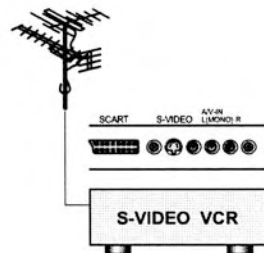
1. Connect the A/V out jacks on a VCR to A/V-IN jacks on the TV.
  2. Press the **TV/AV** button to select **VIDEO** mode.
  3. Press the **PLAY** button on the VCR.
- The VCR playback picture appears on the TV screen.
- Note:** If you have a mono VCR, connect the audio cable from the VCR to the **AV-IN** socket of the set.



## S-VIDEO INPUT

If using an **S-VIDEO** source, the picture quality will be improved over a video source.

1. Connect the S-VIDEO output of a VCR to the **S-VIDEO** input on the AQUAVISION®.
  2. Connect the audio cables from the S-VIDEO VCR to the **L (MONO) R** inputs on the AQUAVISION®.
  3. Select **S-VIDEO** mode by pressing the **TV/AV** button repeatedly.
  4. Press the **PLAY** button on the VCR.
- The VCR playback picture appears on the screen.



## Stereo Output

Insert a 3.5mm stereo jack plug to the socket on the AQUAVISION® Unit. This can be used to get an audio output feed that is subject to the AQUAVISION® volume controls and feed it to a multi-room system etc.

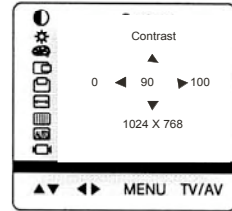
# Connecting PC as a Monitor (Not available on 10.4" screen)

## Picture Adjustment

You can adjust picture Contrast, Brightness, Horizontal/Vertical position, Clock, Phase, Auto and Reset as you prefer.

1. Press the **TV/AV** button to select the PC mode.
2. Press the **MENU** button.
3. Press the **PR** button to select the desired picture item.
4. Press the **VOL** button to make appropriate adjustments.

- |             |       |
|-------------|-------|
| Contrast    | Clock |
| Brightness  | Phase |
| Temperature | Auto  |
| H-position  | Reset |
| V-position  |       |



### Contrast

This function is to adjust the picture from light to dark.

### Brightness

This function is to adjust brightness of picture.

### Temperature

Temperature is a measure of the warmth of the image colour.

### Horizontal Position/Vertical Position

This function is to adjust picture to left/right and up/down as you prefer.

### Clock

This function is to minimize any vertical bars or stripes visible on the screen background. The horizontal screen size will also change.

### Phase

This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

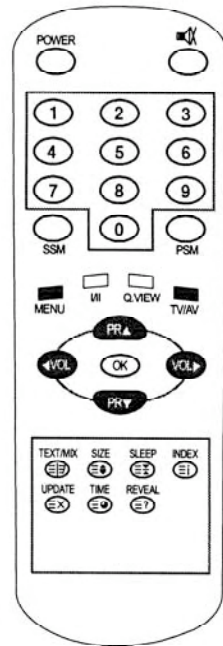
### Auto

This function is for the automatic adjustment of the screen position, clock and clock phase. The displayed image will disappear for a few seconds while the Auto-configuration is in process.

**Note:** Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, clock and clock phase manually.

### Reset

This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.

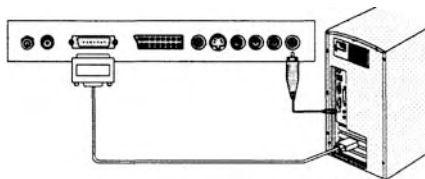


5. Press the **TV/AV** button to store the adjustment

# Connecting to a PC as a Monitor

## PC/DTV INPUT

1. Connect the PC IN cable (D sub jack) from the monitor output socket of the PC to the PC/DTV input socket of the set.
2. Connect the PC Audio IN cable from the PC to the **PC Audio IN** socket on the back of the set.
3. Press the **TV/AV** button to select **PC** mode.
4. Switch on the PC, and the PC screen appears on the set.



The set can be operated as the PC monitor.

**Note:** If you have an Apple Macintosh, connect the VGA desktop block from the 3 rows 15 pin to 2 row 15 pin with the signal cable and connect the XGA desktop block to the Macintosh.

## Resolution

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
VGA	640X480	31.5KHz	60 Hz
	640X480	35KHz	67 Hz
	640X480	37.9 KHz	72 Hz
	640X480	37.5 KHz	75 Hz
	640X480	43.5 KHz	85 Hz
	720X400	31.5KHz	70 Hz
SVGA (MAC)	800X600	35.2 KHz	56 Hz
	800X600	37.9 KHz	60 Hz
	800X600	48.1 KHz	72 Hz
	800X600	46.9 KHz	75 Hz
	800X600	53.7 KHz	85 Hz
	832X624	49.7 KHz	75 Hz
XGA	1024X768	48.4KHz	60Hz
	1024X768	56.5 KHz	70 Hz
	1024X768	60.2 KHz	75 Hz
	1024X768	68.7 KHz	85 Hz

## Note:

- a. If the set is cold, there may be a small "flicker" when the set is switched on. This is normal, there is nothing wrong with the set.
- b. Some dot defects may appear on the screen, like Red, Green or Blue spots. However, this will have no impact or effect on the monitor performance.



## Product Specification.

Model	AQUAVISION® 10.4" screen
Power requirements	DC12V/3.0A
Television system	PAL-BG, I, DK, / SECAM-BG, DK, / AV NTSC
Television program	VHF: 2-13 UHF :14~69 Cable : 01-125
LCD Panel	LG Philips LCD 15.1" TFT LCD panel
Resolution	800 X 600
Power consumption	22W
External antenna impedance	75 _
Audio output	4W + 4W
Speaker output	8_ X 2
Brightness	200CD/m
Contrast Ratio	250:1
Sound	RF Stereo(MTS, A2, NICAM)
User Features	Halftone OSD, Auto AV, Teletext
External input ports	ANTENNA IN • DC 12V IN • SCART • STEREO AUDIO OUTPUT • S-VIDEO IN • AV IN •
AC Power Adaptor	AC 100-240, 50/60HZ Output: 12Vdc,>5.0A

Model	AQUAVISION® 15.1" screen
Power requirements	DC12V/3.0A
Television system	PAL-BG, I, DK, / SECAM-BG, DK, / AV NTSC
Television program	VHF: 2-13 UHF :14~69 Cable : 01-125
LCD Panel	LG Philips LCD 15.1" TFT LCD panel
Resolution	XGA(1024X768)
Power consumption	45W
External antenna impedance	75 _
Audio output	12W+ 12W
Speaker output	8_ X 2
Brightness	450CD/m
Contrast Ratio	350:1
Sound	RF Stereo(MTS, A2, NICAM)
User Features	Halftone OSD, Auto AV, Teletext
External input ports	ANTENNA IN • DC 12V IN • PC IN • SCART • STEREO AUDIO OUTPUT • S-VIDEO IN • AV IN • PC AUDIO IN
AC Power Adaptor	AC 100-240, 50/60HZ Output: 12Vdc,>5.0A

## Product Specification.

Model	AQUAVISION® 17" Widescreen
Power requirements	DC12V/3.0A
Television system	PAL-BG, I, DK, / SECAM-BG, DK, L / AV NTSC
Television program	VHF: 2-13 UHF :14~69 Cable : 01-125
LCD Panel	LG Philips LCD 15.1" TFT LCD panel
Resolution	WXGA(1280X768)
Power consumption	45W
External antenna impedance	75 _
Audio output	12W+ 12W
Speaker output	8_ X 2
Brightness	450CD/m
Contrast Ratio	350:1
Sound	RF Stereo(MTS, A2, NICAM)
User Features	Halftone OSD, Auto AV, Teletext
External input ports	ANTENNA IN • DC 12V IN • PC IN • SCART • STEREO AUDIO OUTPUT • S-VIDEO IN • AV IN • PC AUDIO IN
AC Power Adaptor	AC 100-240, 50/60HZ Output: 12Vdc,>5.0A

## Warranty

Your AQUAVISION® television has a 1 year return to base warranty. The warranty means that if technical assistance is needed as a consequence of an error in a component, or if AQUAVISION®'s products do not meet a reasonable standard, then the television can be repaired or replaced at the manufacturers' discretion - please find the details at the end of this section or contact your supplying agent. Please be aware that the AQUAVISION® warranty does not cover any of the following scenarios.

If the television

- has been used in an un-authorised manner.
- has not be maintained, installed or cleaned correctly.
- has been exposed to unexpected external forces.
- has been opened or dis-assembled in any other way than stated.

Finally, the warranty is only valid in the country where the product was initially purchased.

## Pixel errors

Despite the fact that AQUAVISION® televisions are based upon the most advanced recent technology, it is not possible to totally avoid pixel errors on the television as the panel consists of millions of transistors. It is however only a small fraction of AQUAVISION® televisions which are affected by this. Dot defects in the panel, pixel errors, can be seen as very bright or dark dots on the monitor. Normally, the very bright dots will be red, green or blue and very small. A television like AQUAVISION® is constructed, so that every one of the pixels consists of three sub-pixels, which light as red, green or blue. Each sub-pixel is again constructed out of 8 transistors, so any sub-pixel can show 256 shades, and the total panel as whole is able to provide 24 bit colours (3 sub-pixels X 8 transistors).

## Troubleshooting

Problem	Check Item
No picture on screen and no sound from speakers.	Insert the AC power cord plug securely in AC power outlet. Make sure the remote control is not on standby.
No picture/No picture from AV terminal.	Check the brightness setting of the display. Lamp may have malfunction. Make sure a cable with no VIDEO input signal is connected to the S-VIDEO INPUT terminal.
Picture is displayed, but no sound from the speakers.	Check the sound setting. Make sure the sound is not muted. Make sure the speakers are connected properly. Make sure the connectors of the optional speaker system are securely inserted.
Picture is too light.	Make sure COLOUR and CONTRAST settings are adjusted correctly .
Picture is too dark.	Make sure BRIGHTNESS setting is not set too low. Check to see BRIGHTNESS setting. Lamp may have malfunction.
Remote control does not work.	Change the batteries. Make sure the infrared transmitter window is not receiving strong light such as light from fluorescent lamps.
No picture from AV OUT terminal.	Make sure AV INPUT is not set. Make sure the input source is set to other than AV.
The picture is not sharp. The picture moves.	The reception may be weak. The state of the broadcast may also be bad. Make sure the antenna is facing the right direction. Make sure the outside antenna is not disconnected.
The picture is doubled or tripled.	Make sure the antenna is facing the right direction; There may be reflected electric waves from mountains or buildings.
The picture is spotted.	There may be interference from cars, trains, high voltage lines, neon lights, etc. There may be interference between the antenna cable and power cable. Try positioning them further apart.
There are stripes on the screen or colours fade.	Is the unit receiving interference from other devices? Transmission antennas of radio broadcasting stations and transmission antennas of amateur radios and cellular phones may also cause interference Use the unit as far apart as possible from devices that may cause possible interference.

NOTE: Once the glass has been installed please ensure that any maintenance of the AQUAVISION® unit involves the use of a glass sucker to remove the glass panel.



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The specifications shown were accurate at time of going to press. Visual Design Services policy of continuous development means some changes may take place. Please check with the office for confirmation. All screen pictures simulated.

**E. & O.E.**