

SHARP®

Model

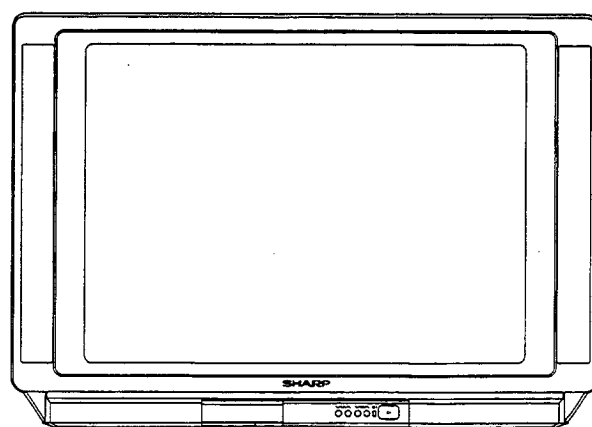
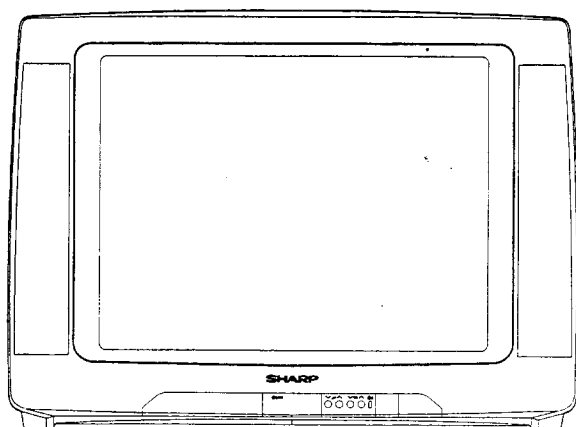
51CS-05H

59CS-05H

66CS-05H

COLOUR TELEVISION

OPERATION MANUAL



TERMS OF GUARANTEE

Subject to the conditions listed below Sharp Electronics (U.K.) Ltd. (hereinafter called «the Company») guarantee to provide for the repair of, or at its option replace the Sharp Equipment, or any component thereof, (other than Batteries), which is faulty or below standard, as a result of inferior workmanship or materials.

The conditions of the Guarantee are:

1. This guarantee shall only apply to defects or faults which are notified to the Company, or its approved Service Facility within one year from the date of purchase of the equipment.
2. This Guarantee covers equipment intended for private domestic use only. This guarantee does not apply to equipment used in the course of a business, trade or profession.
3. This Guarantee does not cover any faults or defects caused by accident, misuse, fair wear and tear, neglect, tampering with the equipment, or any attempt at adjustment or repair other than by an approved Service Facility.
4. In the unlikely event of your equipment requiring repair, please contact the Dealer or Supplier from whom it was purchased. Where this is not possible please contact the telephone number listed below. You will then be given details of how to obtain service.

0345-125387

Please Note: All calls will be charged at local rate.
5. The cost of carriage to and from the Dealer, Supplier or Sharp approved Service Facility shall be borne by the purchaser.
6. No person has any authority to vary the terms or conditions of this Guarantee.
7. This Guarantee is offered as an additional benefit to the consumer's statutory rights and does not affect these rights in any way.



Dear SHARP Customers

«SHARP» consumer electronic products have established a worldwide reputation for unsurpassed quality and precision manufacturing techniques since 1924, when the famous SHARP trademark first appeared on a radio receiver.

Your new SHARP Colour TV uses the very latest electronic circuitry and engineering advances for the best possible performance.

Given proper care, your new TV will provide many years of entertainment for the entire family. Please read the following instructions before operating this set.

SPECIAL NOTE FOR USERS IN THE U.K.

The mains lead of this product is fitted with a non-rewireable (moulded) plug incorporating a 3A fuse. Should the fuse need to be replaced, a BSI or ASTA approved BS 1362 fuse marked  or  and of the same rating as above, which is also indicated on the pin face of the plug must be used.

Always refit the fuse cover after replacing the fuse. Never use the plug without the fuse cover fitted.

In the unlikely event of the socket outlets in your home not being compatible with the plug supplied, cut-off the mains plug and fit an appropriate type.

DANGER: The fuse from the cut-off plug should be removed and the cut-off plug destroyed immediately and disposed of in a safe manner.

Under no circumstances should the cut-off plug be inserted elsewhere into a 13A socket outlet as a serious electric shock may occur.

To fit an appropriate plug to the mains lead follow the instructions below:

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this product may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured blue must be connected to the plug terminal which is marked N or coloured black.
- The wire which is coloured brown must be connected to the plug terminal which is marked L or coloured red.

Ensure that neither the brown nor the blue wire is connected to the earth terminal in your three pin plug.

Before replacing the plug cover make sure that:

- If the new fitted plug contains a fuse, its value is the same as that removed from the cut-off plug.
- The cord grip is clamped over the sheath of the mains lead and not simply over the lead wires.

IF YOU HAVE ANY DOUBT CONSULT A QUALIFIED ELECTRICIAN.

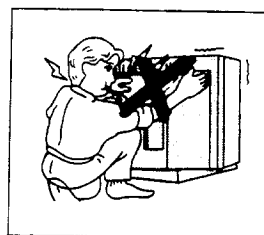
In the unlikely event of this equipment requiring repair during the guarantee period, you will need to provide proof of date of purchase to the repairing company.

Please keep your invoice or receipt, which is supplied at the time of purchase.

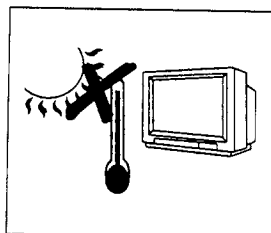
Safety precaution



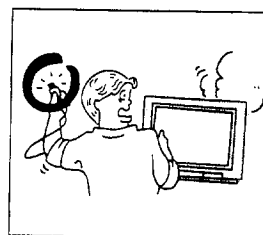
To prevent fire or electrical shock, do not use the TV set in an excessively damp place.



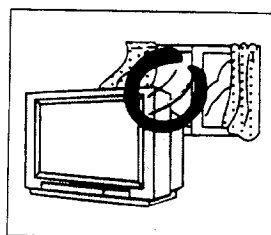
Never remove the back of the cabinet, as there is high voltages in the TV set. Please call for service.



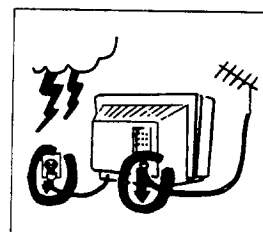
Position the TV set out of direct sunlight and away from heat, as high temperatures can damage the cabinet, CRT, or other electronic parts.



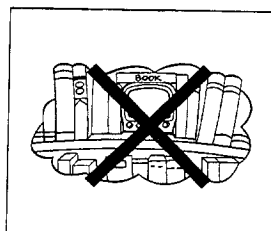
Unplug the power cord from the wall outlet immediately if the TV set begins to make unusual noises or give off smoke or an odd smell, then call your dealer for service.



Do not cover the ventilation holes at the back of the TV set, this can cause fire or other serious problems. Leave an adequate open space behind the TV set for good ventilation.



Never place the television near heat sources. Even if your television is switched off, it can still be damaged by lightning striking the mains and/or aerial cables. For this reason, you should always disconnect your television from the mains and the aerial cable during thunderstorms.



Do not install this equipment in a confined space such as a bookcase or a built-in cabinet.

CAUTION

Make sure that the main power is switched off when going out.

Special note

This TV set is equipped with a 3-dimensional sound effect system (SRS).

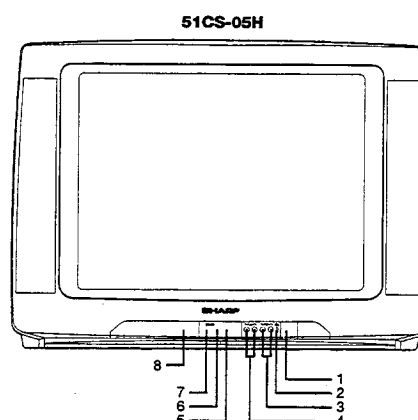
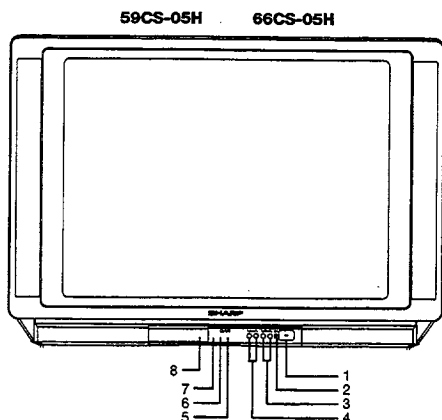
SRS, the SRS symbol and Sound Retrieval System are registered trademarks of SRS Labs, Inc. in the United States and selected foreign countries.

SRS (Sound Retrieval System) technology manufactured under license from SRS Labs, Inc.

SRS (Sound Retrieval System) technology is protected by two USA patents: 4,748,669 and 4,841,572 and additional patents worldwide.

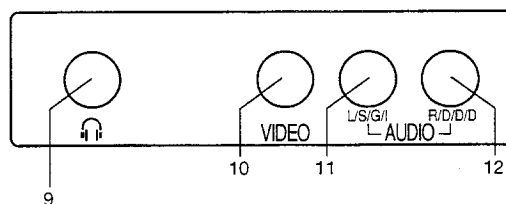
Controls & Terminals

Front



1. Main Power On/Off Switch
2. Power Indicator
3. Program Selector (Up/Down)
4. Volume Button (Up/Down)
5. Remote Control Sensor
6. O.P.C. Sensor
7. Sound Indicator

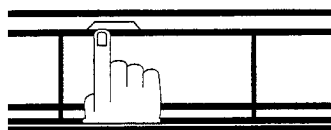
8. Behind the door



9. Headphone Socket
10. Video Input Terminal
11. Audio Input Terminal (left)
12. Audio Input Terminal (right)

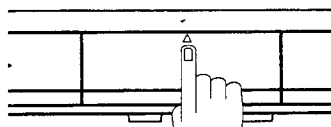
HOW TO OPEN THE DOOR

59CS-05H 66CS-05H



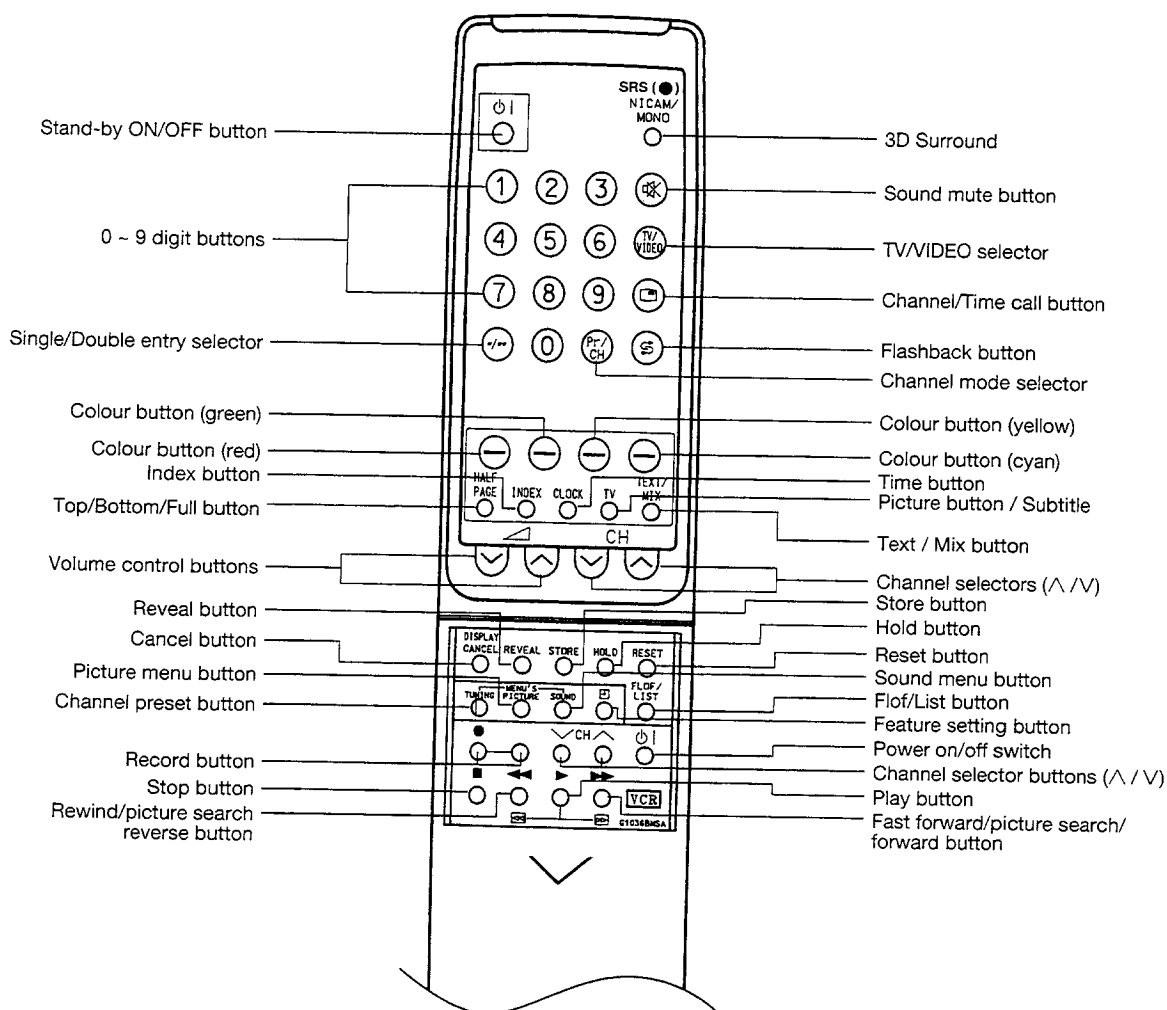
Put your finger in the depression and pull toward you to open.

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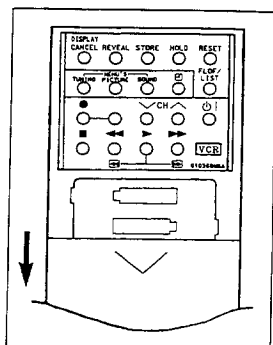
Press the top of the door, opening it slightly. Hook your finger inside and pull open.

Remote Control Transmitter



Remote Control Battery Installation

Remove the cover and insert two «UM-4» 1.5 V batteries as illustrated.



Notes:


1. The infrared remote control requires 3 volts for operation. If power is insufficient for operation, replace the batteries.
2. Position the positive and negative ends of the batteries properly. If you use batteries other than those specified, the remote control may not operate.

Auto Installation

Auto Installation System (A.I.S.)

Your television set is provided with an A.I.S. (Automatic Installation System) which makes installation easier. This new system is activated when you turn on the TV for the first time.

Procedure:

1. Connect the TV power cable to a 220~240 V system.
2. Press the main power button , on the right hand side of the TV set, and the AUTO INSTALLATION message will appear on the screen.
3. Put batteries into the remote control and follow the instructions on the screen.

The TV will go through the following steps Automatically and sequentially:


Automatic channel Sorting System (ACSS): The TV set SEARCHES FOR FREQUENCIES, memorises the channels found and sorts them (according to technical criteria) from Pr 1 of the TV, to a maximum of 40 programmes.

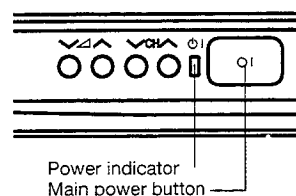
Editing: When the AUTOMATIC SEARCH has been completed, the list of memorised programmes appears. In this menu, you can change the order of the channels and change or give the channels a four letter name.

NOTE: Once finished the AUTO INSTALLATION, it will not repeat when you turn on your TV again. If you wish to preset the channel again, to rename the channels or to change the order, refer to the chapters: Auto Channel Preset with Sorting, Manual Channel Preset and Edit.







Switching on

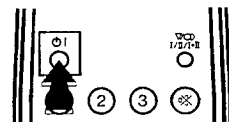
Power supply on/off button

When the main power button  is pressed ON, power indicator lights and your TV set enters: In Stand-by mode or Program Mode. This TV memorizes the Mode which has been memorized when it was switched OFF by main power button.



On-Off/Stand-by button

When the TV is on Stand-by Mode, to turn ON the TV press the ON/OFF Standby button  of the remote control, or one of the four buttons on the TV (, , , ). The TV will change from Stand-by Mode to Program Mode, the sound indicator will light a few moments and an image will appear on the screen. Press the ON/OFF Stand-by button  again and the TV will return to Stand-by Mode.



Blue back off timer

If noise appears in TV or VCR mode, the screen turns blue. The blue back off-timer is then engaged and will automatically switch the set to stand-by mode in 15 minutes.

Before adjusting

Channel setting is mainly performed using the remote control. Please follow the instructions with the remote control in hand.

Real Channel Number

Television broadcasting stations have channel numbers assigned to them (real channel numbers). You can view programs by selecting the real channel number (refer to the proper Pr/CH button operation on page ⑨). Or, you can also assign your own preset number to a transmitted channel and store it in the programme channel memory.

Corresponding Real Channel

UHF	CH21 ~ CH69
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TV Channel Setting



Auto Channel Preset with Sorting (ACSS; Automatic Channel Sorting System)

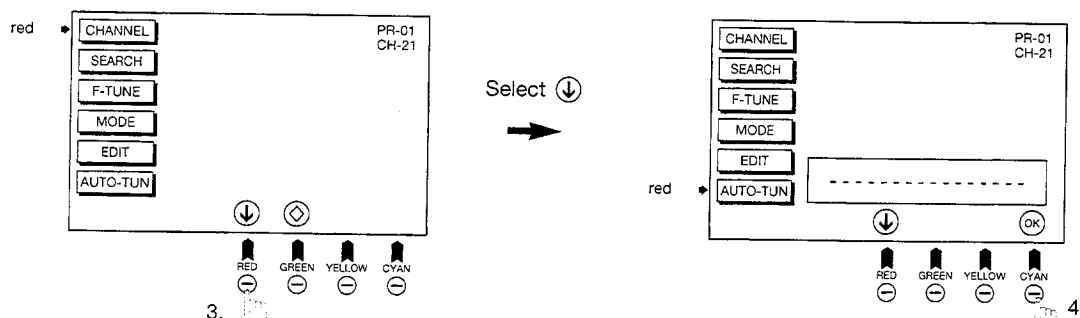
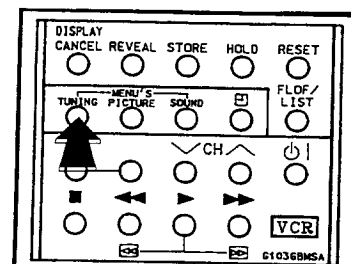
This function frees you of troublesome channel presetting procedures. Simply follow the instructions below to automatically store all on-air real channels into the programme channel memories.

Note:

The selected item will appear on screen in a red box and the others in grey.

1. Slide down the panel on the remote control.
2. Press the TUNING button.

3. Press the red button  until you reach the item «AUTO-TUN».
4. Press the blue (cyan) button  to activate the automatic search function.





The TV set SEARCHES FOR FREQUENCIES, memorises the channels found and sorts them from Pr-01 of the TV, to a maximum of 40 programmes, in the following order: Pr1-BBC1, Pr2-BBC2, Pr3-ITV, Pr4-CH4.

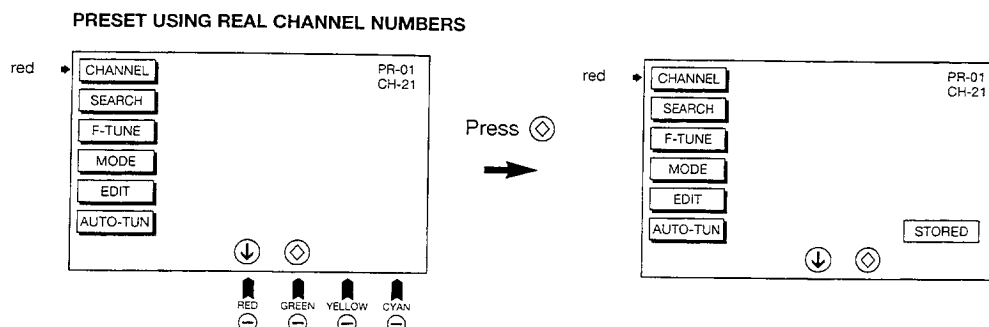
When the AUTOMATIC SEARCH has been completed, the list of memorised programmes appears. In this menu, you can change the order of the channels and change or give the channels a four letter name.

If you wish to rename the channels, or change the order, refer to the chapter Edit.

If you wish to go out of the menu, press the CYAN button.

Manual Channel Preset (PRESET USING REAL CHANNEL NUMBERS)

1. Press P/C to select «Pr» mode.
2. Depending on the programme channel you want to preset, press the  to select single/double digit entry.
3. Select the programme channel number with the 0~9 digit buttons.
4. Press the TUNING button.
5. Enter the real channel number you want to store with the 0~9 digit buttons.
6. Press the green button  to memorise the channel. «STORED» will appear on the screen.

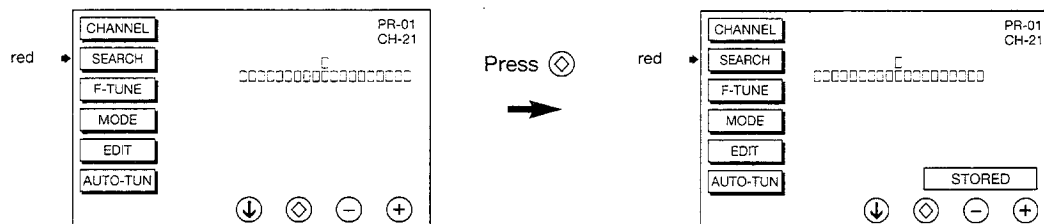


Manual Channel Preset (PRESET USING FREQUENCY TUNING)

1. Press P/C to select «Pr» mode.
2. Depending on the programme channel you want to preset, press the **-/-** to select single/double digit entry.
3. Select the programme channel number with the 0~9 digit buttons.
4. Press the TUNING button.
5. Select SEARCH pressing the red button **⬇**.
6. Press the yellow / cyan button to tune between the existing channel and the previous/next one.
7. Press the green button **⬆** to memorise the channel. «STORED» will appear on the screen.

Repeat 2~7 of the above procedure for presetting other programme channels.

PRESET USING FREQUENCY TUNING



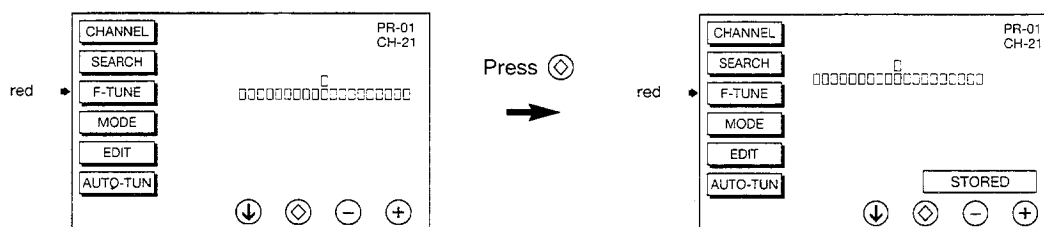
After preset has been performed

The following features are available for preset channels:

Ⓐ Fine Tuning

When a preset programme channel is not exactly tuned, you can fine tune the channel in this mode.

1. Select the programme channel number you want to tune using the 0 to 9 digit button or the channel selector (**^** / **V**) buttons.
2. Press the TUNING button.
3. Select F-TUNE pressing the red button **⬇**.
4. Adjust the picture with the yellow **-** / cyan **+** button for the best picture quality.
5. Press the green button **⬆** to memorise the channel. «STORED» will appear on the screen.
6. Repeat the above procedure for other programme channels as required.



Ⓑ Mode

This feature allows you to select SKIP, TV, VCR. First follow the above steps 1 and 2.

3. Select MODE pressing the red button **⬇**.

4. With cyan **⬅** button select:

TV: If the TV signal is weak the image can shake.
In this case put it in TV mode.

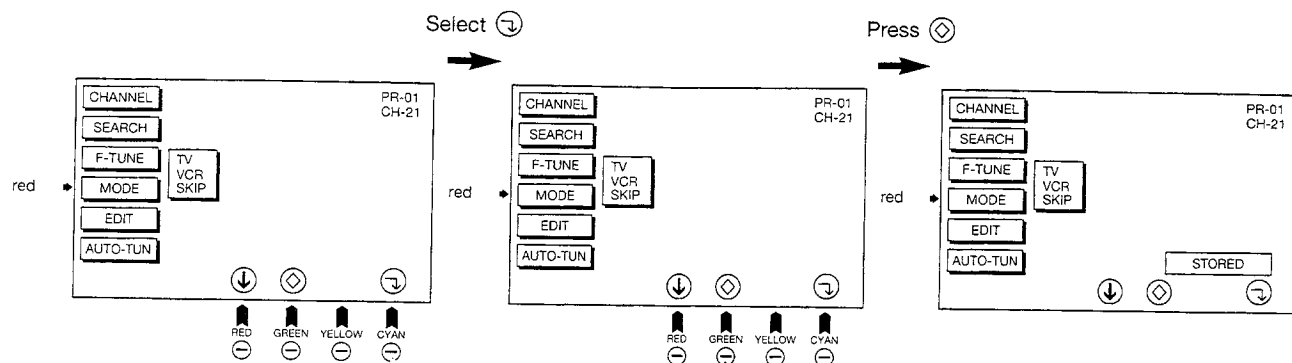
VCR: In some case, the upper part of the picture may be distorted when receiving signals from a VCR via the RF terminal on the TV set.

This feature may improve the picture quality for these cases.

After the tuning initialisation it remains in VCR mode.

SKIP: Allows you to skip channels you do not want to view when using channels selector (**^** / **V**) buttons.

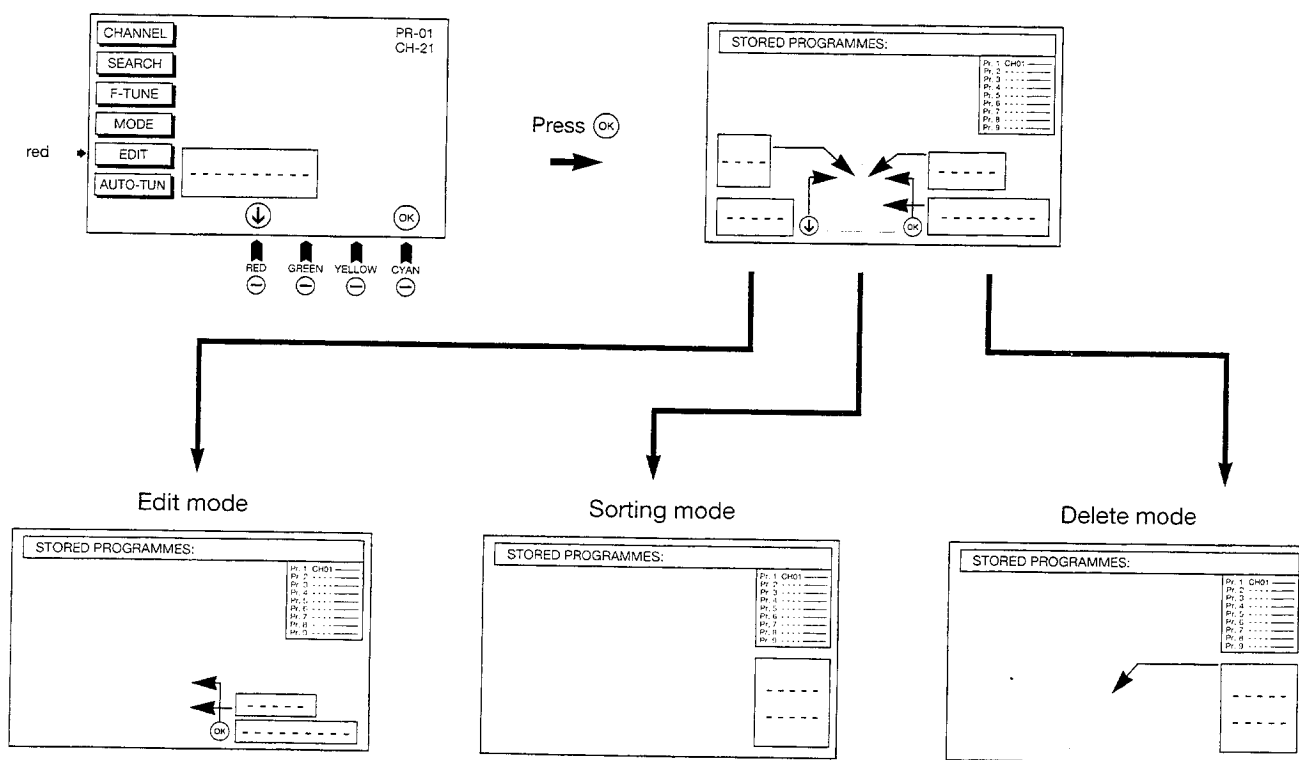
5. Press the green button **⬆** to memorise the mode. «STORED» will appear on the screen.
6. Repeat the above procedure for other programme channels as required.



© Edit

Allows you to delete, sort or input a name for each one of the programmes with A~Z., 0~9 and hyphen.

1. Press the tuning button.
2. Select (EDIT) pressing the red button and press blue button .
3. Select programme you wish to edit with Ch selectors (\vee/\wedge).
4. Select Edit mode with red button, or sorting mode with green button or delete mode with yellow button.
5. Proceed according to the guidance in each mode.



See example

Example (Sorting mode)

The TV will carry out the exchange as shown in the example below:

Selected programme (in red)	Pr 01	CH 41	BBC1
Channel to move	Pr 02	CH 31	BBC2
	Pr 03	CH 34	ITV
	Pr 04	CH 27	CH4
	Pr 05	CH 47	CNN
	Pr 06	CH 44	----
	Pr 07	CH 23	----
	"	"	----
	"	"	----
	"	"	----
	Pr 10	CH 69	----

Press the buttons 0 and 5

Pr 01	CH 41	BBC1
Pr 02	CH 47	CNN
Pr 03	CH 31	BBC2
Pr 04	CH 34	ITV
Pr 05	CH 27	CH4
Pr 06	CH 44	----
Pr 07	CH 23	----
"	"	----
"	"	----
"	"	----
Pr 10	CH 69	----

Note: that in the example CH 47 has moved to the Pr02 position and that CH 31, CH 34 and CH 27 have moved down a place. For this reason, it is necessary to put the channels into order beginning with Pr 01.

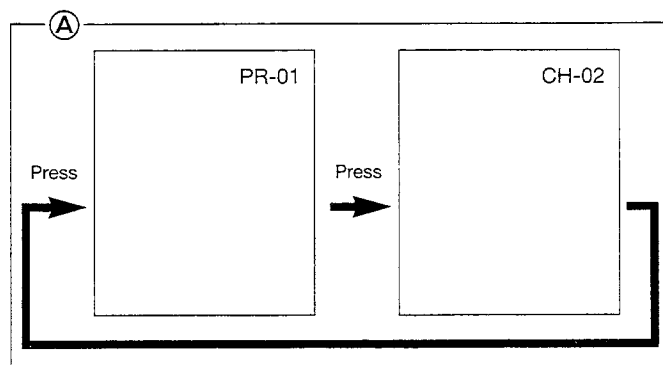
NB: The channels (CH 41, CH 31, etc.) assigned to the broadcasting companies (BBC1, BBC2, etc.) are used by way of example. The broadcasting companies are assigned different channels depending on the geographic area.

Operation (TV)

Channel Selection

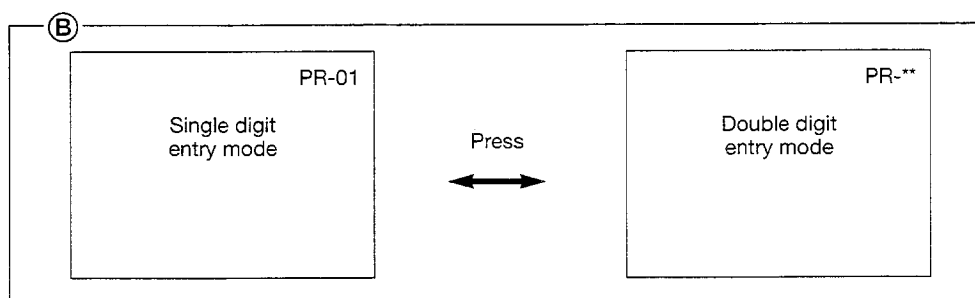
Ⓐ Channel mode selector (Pr/CH)

This button switches the channel mode between programme channel (Pr) and real channel (CH).



Ⓑ Single/Double entry selector (+/-)

This button selects between one or two digit channel number entry.



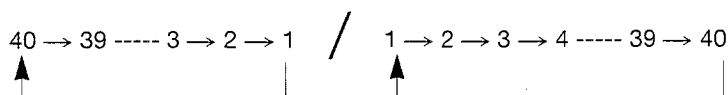
Ⓒ 0~9 Digit buttons

You can select channels by pressing the 0~9 digit buttons on the remote control.

(Single digit and double digit entry are available: refer to the Single/Double entry selector).

Ⓓ Channel selector (V CH ^) buttons

Each time a channel selector (V//^) button (on the TV set/on the remote control) is pressed, the channel programme number is displayed and will be incremented/decremented in the following manner:

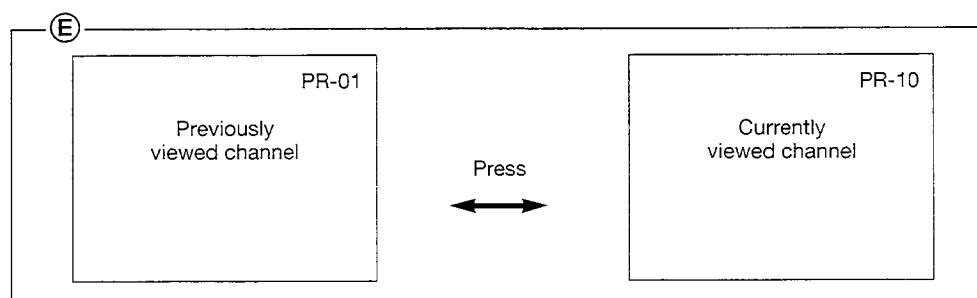


The channels that are in SKIP mode cannot be seen with this keys. Use numerical buttons to display these channels.

Ⓔ Flashback button (\$)

Press this button to switch the currently-tuned channel to the previously-tuned channel. Press the button again to switch back to the currently-tuned channel.

This function is only available in programme channel selection mode.

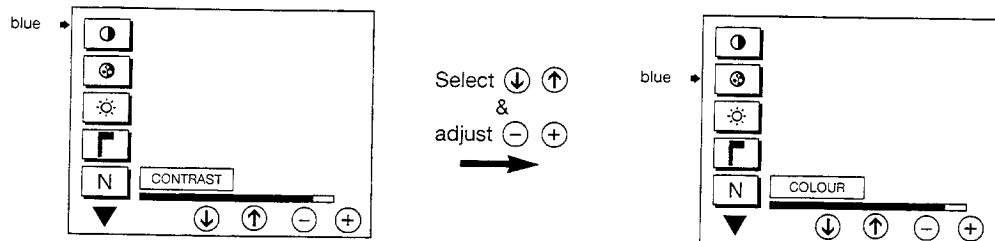


Picture Adjustment

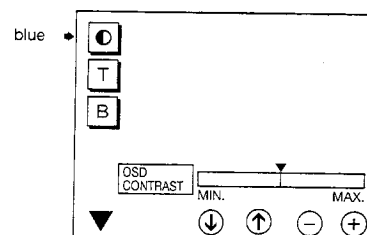
A PICTURE Setting Mode

Picture quality are adjustable in this mode.

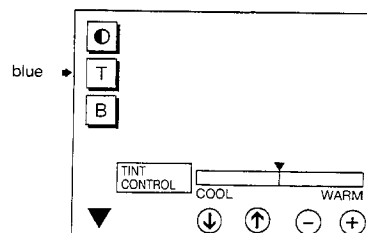
1. Press the PICTURE button.
2. Press the red \downarrow / green \uparrow button to select a parameter from the list (CONTRAST, COLOUR, BRIGHTNESS, SHARPNESS, STORE/NORMALIZE, OSD CONTRAST, TINT CONTROL, BLACK STRETCHER).
3. Adjust the picture quality to your liking with the yellow \ominus / blue \oplus buttons.
4. Repeat steps 2 and 3 to adjust other parameters.



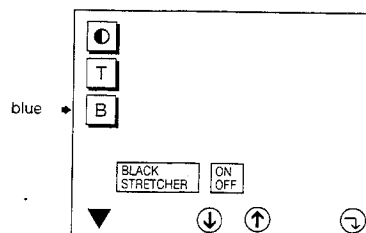
Select OSD CONTRAST to adjust the contrast level of the On Screen Display menus, to your liking with the yellow \ominus or blue \oplus buttons.



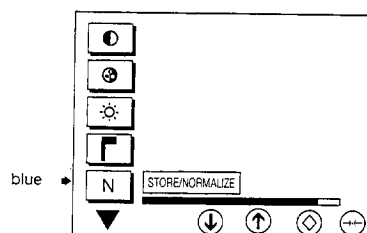
Select TINT CONTROL to adjust your desired skin colour with the yellow \ominus or blue \oplus buttons.



Select BLACK STRETCHER for connect or disconnect the Dynamic Compensation in dark area of the picture, with the blue \odot button.



Selecting STORE OR NORMALIZE is possible to memorise the actual picture parameters, pressing yellow button \odot , or reset these parameters to the memorised levels pressing blue button \oplus . (Messages «STORED» or «NORMALIZED» will appear on screen).



You can clear the on-screen display by pressing the PICTURE button again.

Sound adjustment

A Loudspeakers Sound Volume (V ▴ ▾) 🔊

Adjust the sound volume using the V ▴ ▾ buttons. Press the buttons to decrease/increase the sound level. The sound volume indicator appears on the screen.

B Sound mute button (M) 🔊

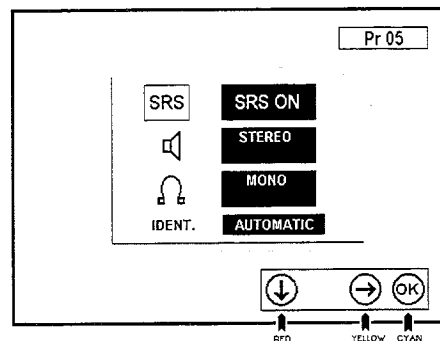
Press the button to mute the sound. «M» appears on the screen. Press the button again to turn the sound back on.

C Sound mode selector NICAM/MONO

With the sound mode selector you can:

- Switch the **SRS** (●) 3D surround effects.
- Select a sound mode to the loudspeakers.
- Select a sound mode to the headphones.
- And set the sound mode for each programme.

1. Select the programme channel number that you want to set with the 0~9 digit buttons or the V CH ▴ buttons.
2. Press the NICAM/MONO button and the sound mode menu will appear on screen.
3. Press the RED button (↓) to select **SRS**, loudspeakers 🔊, headphones 🎧 or identification **IDENT.**



If you select SRS, loudspeakers 🔊 or headphones 🎧 :

- 4.1 Press the YELLOW button to switch the SRS mode and change the sound mode as indicated in the chart.

TRANSMISSION	FUNCTION IN THE SPEAKERS	SRS MODE	FUNCTION IN THE HEADPHONES
FM-MONO	only MONO	3D MONO ↔ SRS OFF	only MONO
NICAM-STEREO	→ STEREO ↑ ↓ ← MONO	→ SRS OFF → SRS+WIDE → ↑ ↓ ← 3D MONO ← SRS ← 3D MONO ↔ SRS OFF	→ STEREO ↑ ↓ ← MONO
NICAM-BILINGUAL	→ DUAL CHANNEL A ↓ DUAL CHANNEL B ↓ DUAL CHANNELS AB ↓ ← MONO	3D MONO ↔ SRS OFF	→ DUAL CHANNEL A ↓ DUAL CHANNEL B ↓ DUAL CHANNELS AB ↓ ← MONO
NICAM-MONO	→ MONO NICAM ↑ ↓ ← MONO	3D MONO ↔ SRS OFF	→ MONO NICAM ↑ ↓ ← MONO

Note: Pressing the V ▴ and ▴ ▾ buttons simultaneously of the TV set, also you can change the SRS mode. A little box will appear on screen to indicate the SRS mode.

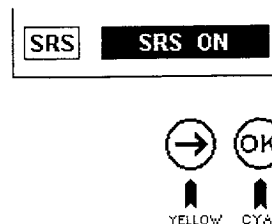
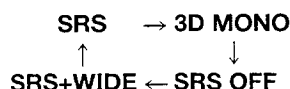
If you select identification IDENT.:

- 4.2 Press the YELLOW button to activate or deactivate the identification AUTOMATIC / OFF.
4. Press the BLUE button (⊗) to clear the on-screen display.
5. Repeat the above procedure in order to form other programme.

Sound Indicator: When the TV set is receiving a NICAM programme the Sound Indicator lights.

External source: When you are watching the TV-set through the EUROSCART, AV-1 or FRONT AV terminals, you can switch the SRS.

1. Press the NICAM/MONO button and a little box will appear on screen.
2. Pressing the YELLOW button, the SRS mode switching between:



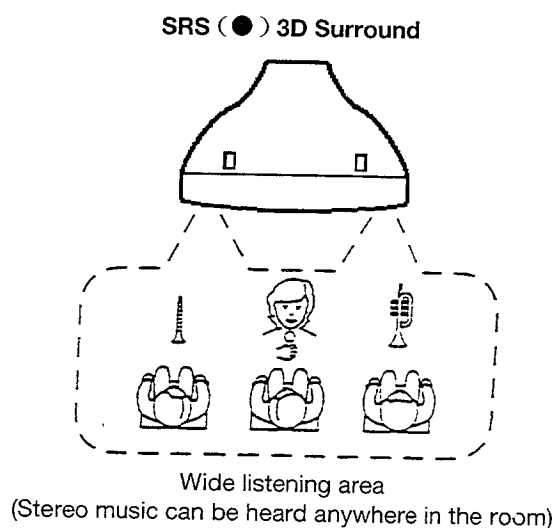
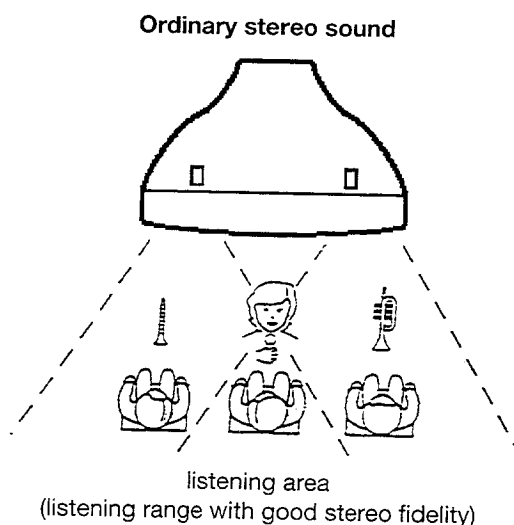
About SRS (●) 3D Surround:

SRS is a breakthrough technology that creates a three dimensional sound by processing sound signals based on the human auditory system. It produces real depth and localization of the sound image which cannot be accomplished by ordinary stereo.

SRS only requires two loudspeakers.

SRS (●) 3D Surround effects:

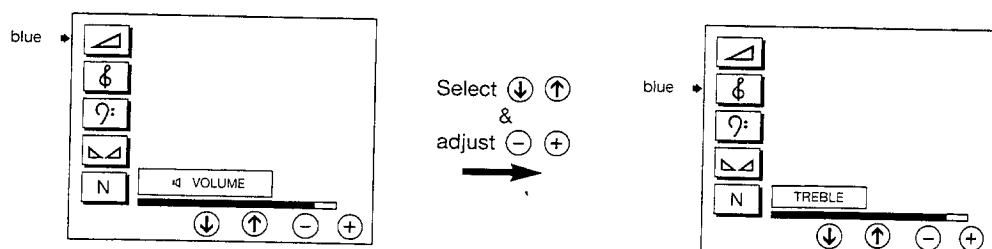
- Live performance atmosphere (Simulates a live concert atmosphere).
- The localization of various musical sources is quite clear. (The positions of the musical instruments and singers are very clear).
- Reproduction of depth (Sounds from the front and back of an orchestra can be identified easily).
- Expansion of the sound field (the sound image is spread out over a wide area).



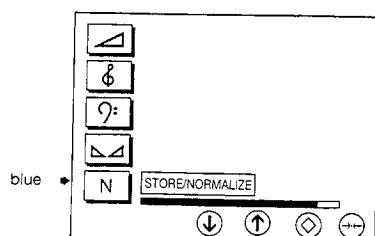
④ SOUND Setting Mode

Sound quality (VOLUME, TREBLE, BASS, BALANCE) of the loudspeakers and Sound Level (VOLUME) of the headphones are adjustable in this mode.

1. Press the SOUND button.
2. Press the red / green button to select a parameter from the list.
3. Adjust the sound quality to your liking with the yellow / cyan buttons.
4. Repeat step 2 and 3 to adjust other parameters.



By selecting N it is possible to memorise the sound settings (press yellow button) or reset these settings to the memorised levels (press cyan button).
(Messages «STORED» or «NORMALIZED» will appear on screen).







You can clear the on-screen display by pressing the SOUND button again.

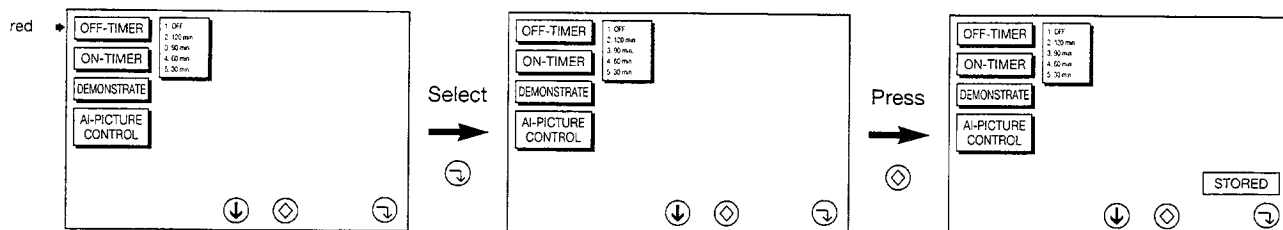
Features mode



In this mode, you can set the off-timer, on-timer, view the all functions implemented in your TV set demonstration and A.I. picture control.

A Off-Timer

The off-timer automatically switches the TV set to standby mode after a predetermined period. (30, 60, 90 and 120 minutes).





1. Press the  button to enter the Timer setting mode.
2. Pressing the red button  select OFF-TIMER.
3. Pressing cyan  button, select the desired period. OFF to disconnect off-timer.
4. Press the green button  to begin the period or disconnect the function. «STORED» will appear on the screen.

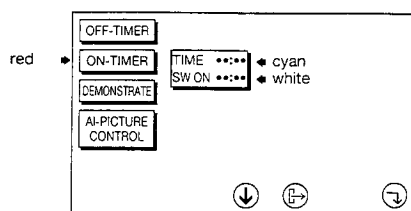


Note: The off-timer data will be cancelled if you turn off the TV by the Stand-by button  or with the Main Power button .

B On-Timer

The On-Timer is used to programme switching on the TV set during the 24 hours of the day.

1. Press the  button to enter the Timer setting mode.
2. Pressing the red button  select ON-TIMER.
3. Pressing cyan  button, select to adjust the REAL TIMER or the ON-TIMER.
4. To programme the real time:
 - 4.1. Automatic time adjustment:
If a programme with teletext is being received, the REAL TIMER can be adjusted automatically with that signal's clock. (To synchronize Real-Timer, press Text/Mix button).
*Important: If a signal via satellite is being received, or if correct time cannot be obtained, the time will have to be adjusted manually.
 - 4.2. Manual time adjustment:
To adjust the time manually, this should be done with the 0 to 9 digit buttons.
5. Adjusting the On-Timer.
Once the REAL-TIMER has been adjusted, the ON-TIMER can be set with the 0 to 9 digit buttons.
6. The green button  is used to cancel the ON-TIMER function.
7. It is also possible to run the Off-Timer function (automatic disconnection). See how to do it in A, starting in point 2.







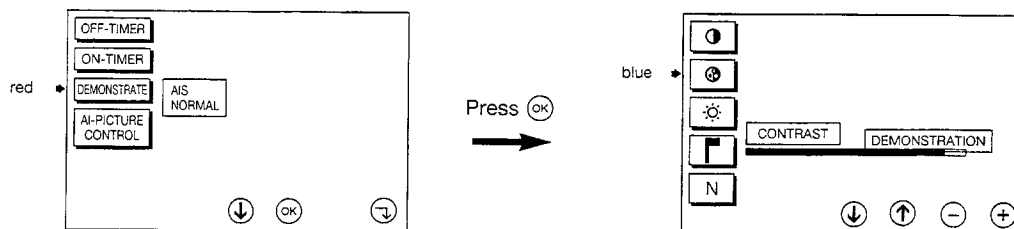
* As a safety precaution, in the case of nobody being home when the television switches on automatically, the television will disconnect itself automatically within 120 minutes; if it is to continue to run, any button of the remote control functions should be pressed.

Note: In the event of a power cut, disconnection from the plug or television switch, all the data on the ON-TIMER will be cancelled.

© Demonstration




The demonstration function allows you to see all the menus implemented in this TV set.

1. Press the  button to enter the feature setting mode.
2. Pressing the red button  select DEMONSTRATE.
3. Press the cyan button  to select A.I.S. (only Auto Installation) or NORMAL (all).
4. Press the green button  to begin the demonstration.
5. Press any button RC to exit this function when you wish.

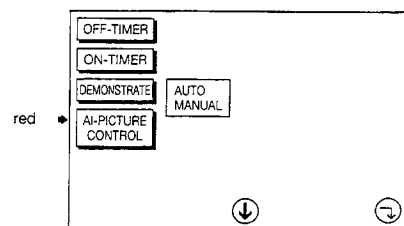


© A I - PICTURE CONTROL (Artificial Intelligence Picture Control)

This function allows the automatic adjustment of the picture contrast proportionate to the rooms light via OPC (Optical Picture Control).

1. Press the features button .
2. Select the A I - PICTURE CONTROL with the RED button .
3. Press the CYAN button to select AUTO (OPC activate) or MANUAL (OPC deactivate).
4. Press the features button  again to close the menu.

Note: When the A I - PICTURE CONTROL is in AUTO mode, the PICTURE button is not available.

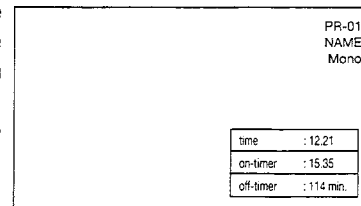


Other Features

Ⓐ Channel call button (□)

Press the button to display the current channel number and the sound mode on the screen. The name, if it has, the remaining time for the off-timer, the real-timer and the on-timer, if they have been set, is also displayed on the screen. Press the button again to make the on-screen display disappear.

If the channel you are viewing has been set to be skipped with the channel skip function, the programme number are displayed in red. If the channel was fine-tuned, programme number will be displayed in yellow.



Ⓑ TV/Video selector (TV/VIDEO)

The signal source can be selected from each of the input terminals in this mode.

1. Press the TV/VIDEO selector button and the TV will switch to the signal source displayed for the last time.
2. Press the red ⬇ or green ⬆ buttons to select another signal source.
3. Press the TV/VIDEO button again to clear the on-screen display.

CLOCK button (🕒)

Press the CLOCK button to display the current time on the screen.

Note: that this function operates only if the station you are tuned to broadcasts a teletext signal.

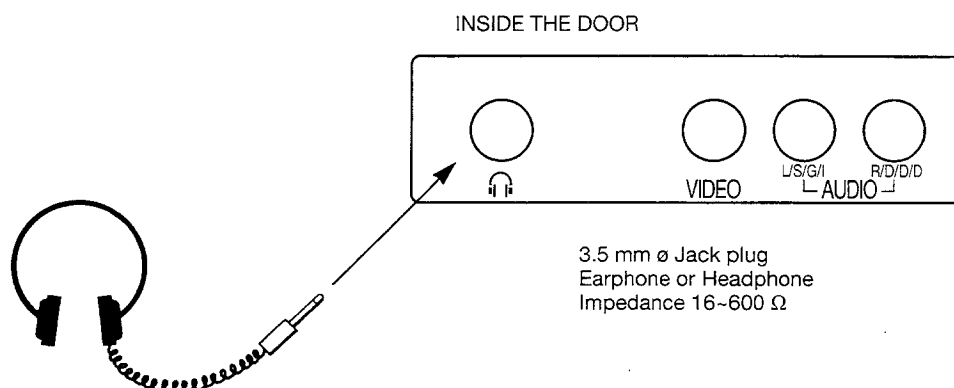
Headphone jack

1. Press the SOUND button.
2. Select VOLUME 🔊 /SPEAKERS/HEADPHONES by red ⬇ / green ⬆ buttons and adjust levels by yellow - / blue + buttons.

Be sure to insert the headphone plug all the way into the headphone jack.

Safety

In order to protect your ears, turn down the volume of the headphones before connecting them.



Ⓒ CHILD LOCK

A CHILD LOCK is incorporated into this set. It enables the set to be blocked onto a selected channel with a set volume level.

Front TV buttons (except mains ON/OFF) will be inoperative.

The lock is enabled by pressing the «HOLD» key for four seconds. A key logo will appear on the screen the the lock is engaged (🔒).

To disable the lock press the «HOLD» key for four seconds. The key will disappear.

NOTE: In «LOCKED» mode only: ON/OFF, MUTE and TEXT buttons will operate. In text mode only relevant text function keys (i.e. those not under the remote control flap) will operate.

The lock cannot be disengaged by disconnecting the power, only the method stated above will disengage the lock.

Ⓓ TV button (Subtitles)

This set has a quick access function for teletext subtitles, so that they can be selected by the press of one button. Simply press the «TV» button on the remote control whilst in viewing mode (I.E. not teletext etc.) and subtitles will automatically be selected and displayed on the screen.

To exit this mode press «TV» again on the remote control.

TELETEXT Mode

A What is Teletext?

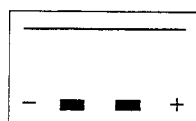
Teletext is an information service, organized like a magazine, which is provided by some television stations in addition to regular television broadcasting. Your television receives special Teletext signals broadcast by a TV station, processes the information and displays it graphically on the screen. News, weather and sports information, stock exchange prices, program previews and closedcaptioning for the deaf are among the many services available through Teletext.

Teletext information is organized much like a magazine: according to pages and sub-pages. The basic unit of displayed information is the page. A sub-page is one of a series of pages.

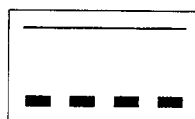
Teletext reception is controlled by using the remote control. Refer to the appropriate button descriptions for operation of the Teletext functions.

B Teletext features

Depending on the TV programme, every Teletext page is transmitted using a different system. Your SHARP TV is adjusted to receive two Teletext systems, namely TOP and FLOF, which are automatically identified by the receiver. Common system in U.K. is FLOF but you can receive from satellite some TOP TEXT transmissions. The user can easily identify them by the manner in which they appear on the screen.



TOP



FLOF/LIST

C To switch on and switch off the Teletext

Select a TV channel which is broadcasting the teletext programme you would like to watch. Then press the TEXT/MIX button to select the teletext mode.

You can also select the TEXT on the left side of the screen with 4 colour keys.

(Press the TV button to return to ordinary TV broadcasting).

D Operation...

LIST:


a) How to Operate Page Memory

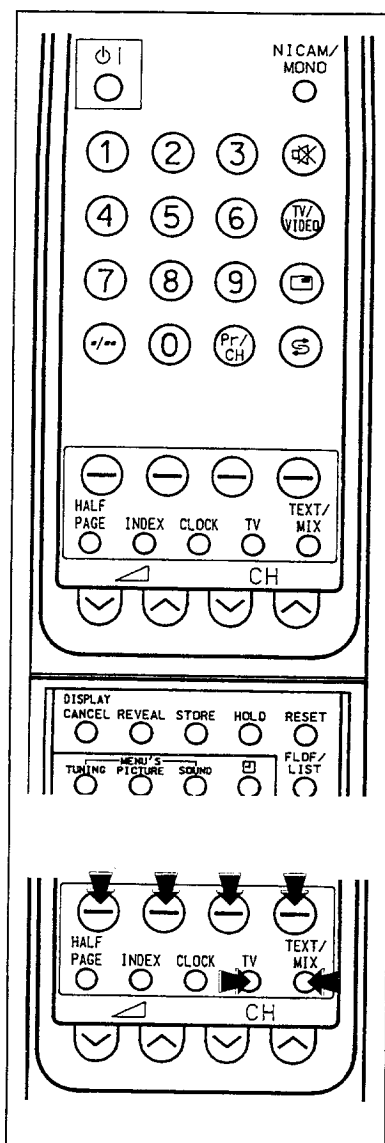
Your tv has 44 teletext page number memories for fast recall of teletext information.

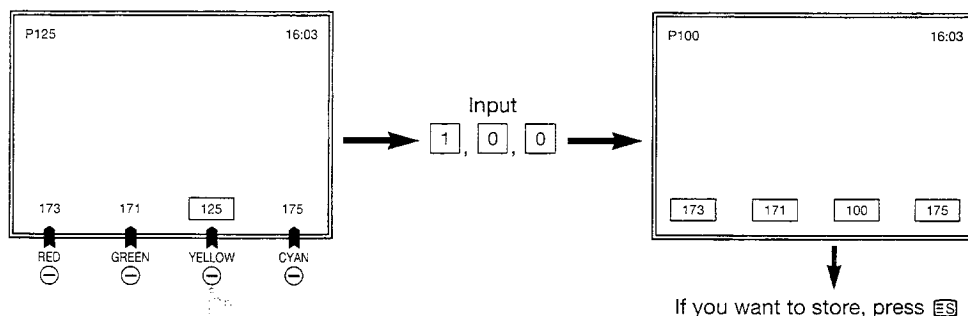
In programme positions 1 through 10, four teletext page numbers can be stored in each position; a total of 40 pages.

In programme positions 11 through 40, only one programme with 4 page numbers can be stored. If you try to store more than 4 page numbers in a programme position between 11 and 40, the previously stored page numbers will be erased.

Select the programme channel number into which you want to store teletext page numbers.

1. Press the TEXT/MIX button to enter the teletext mode.
2. Press the FLOF/LIST button to select LIST mode.
3. Press a coloured button corresponding to the coloured brackets on the screen for page number storage.
4. Enter the teletext page number using the 0-9 digit buttons (enter three digits) or the channel selector (V/Δ) buttons.
5. Repeat steps 2 through 4 until the numbers for the desired pages have been entered.
6. Press the STORE button to memorize the page numbers if you want. The  appears on the screen.
7. Press the TV button to exit the teletext mode.





b) Fast Page Selection

Select the appropriate programme channel.

Press the TEXT/MIX button once to enter the teletext mode.

To recall a page number displayed in the coloured brackets, simply press the corresponding coloured button.

c) 0~9 digit buttons

Enter a desired page number with the 0~9 digit buttons. (To select P.100: press 1, 0, 0).

Page selector (V CH ^)

You can sequentially select page numbers by pressing the V / ^ buttons (channel selector buttons in the TV mode).

TOP

- d) 1. Using the coloured keys, select the desired chapter.
2. The chapter selected contains a page with a new line of options.
3. Using the red key, you can select the previous page while with the blue key you can move on to the following page. These two keys are shown on the screen by the signs – and +.

Note:

On entering the Teletext mode for the first time in one and the same programme with the TOP system, it will be necessary to wait approximately one minute for the TV to carry out the process of capturing the information.

Other features common to the two systems

Ⓐ TEXT/MIX button

In TV mode: Press to enter the teletext mode.

In teletext mode: Press to superimpose a teletext broadcast onto the current TV programme screen.
Press the button again to return to the normal teletext screen.

Ⓑ HALF PAGE button

Each time you press the button, the upper/lower half of the teletext page is magnified and displayed on the screen.

Ⓒ HOLD button

Any teletext page can be held on the screen by pressing the HOLD button.
Press the button again to cancel the hold mode.

Ⓓ REVEAL button

Press this button to reveal hidden information such as the answer to a quiz.
Press the button again to hide the information.

Ⓔ CLOCK button

When the TV signal with TEXT data is received, and by pressing this key the real time information will appear on the top left area of the screen.

Ⓕ DISPLAY CANCEL button

Used to switch the screen from teletext to regular TV broadcasting. The broadcasting channel being received by the TV will not change. A page number appears on the screen until the new screen is received. After the screen switches, the current teletext page number or sub-page number (if you have exited sub-page mode using the Cancel button), is displayed in the upper left of the screen.

Ⓒ RESET button

Press the RESET button to return back to Index page.

Ⓗ FLOF/LIST button

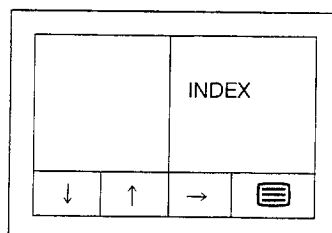
Pressing this button will force the teletext to LIST mode. It means that row 24 (button row of TXT) will not have transmitter information, only the pages that user have previously stored in the memory. (More information on page 17 -Operation LIST-).





Pressing FLOF/LIST button again we go out from LIST mode and system is going to be identified again (TOP or LIST).

Ⓘ INDEX button (Double page)

1. - For the FLOF/LIST system

When you press INDEX button teletext changes to a double page mode. A cursor appears in the right page and this cursor contains a page number which is automatically searched in the left side.






-  Move cursor down (red button), searching the page highlighted.
-  Move cursor up (green button), searching the page highlighted.
-  Change Index page (yellow button), converts left side page into Index page.
-  Go out from Index Mode (blue button or INDEX button).


2. - For the TOP system

To effect a quick and easy search, your SHARP TV has a menu called «SHARP INDEX» which can be obtained by pressing the INDEX button.





From this «SHARP INDEX» you can select the desired information simply by using the four colours.

The meaning of the various functions is as follows:

-  Movement of the cursor upwards to select a block or a group.
-  Movement downwards.
-  Press once to move from the block to the group.
Press again to move from the group to the block.

EXIT  Press TEXT/MIX button to go to «SHARP INDEX» mode without selecting any page.

SELECT: Once you have selected the desired information, press blue key to see it on the screen.

SHARP INDEX	
THEMEN	INHALT
TOP-Übersicht	
ZURÜCK 	   AUFRUFEN

Ⓢ Lateral Text

This feature allows the user to watch a teletext page on the half side of the screen while in the right side is shown a half of the normal TV programme.

To activate this mode:

- Press any colour button when you are watching any TV programme.

NOTE: If there is not TXT transmission, a black box appears. When LATERAL TEXT is active, the TXT standard is in list mode (see list mode).

When using LATERAL TEXT only the following TXT buttons are active:

- TV button (TXT Off).
- Colour buttons (Red, Green, Yellow, Cyan).
- Numeric buttons.
- HALF PAGE.
- HOLD button.
- STORE button.
- CLOCK (Timed pages) button.

Pressing any other button allows to return on normal TV-MODE resetting the LATERAL TEXT mode feature.

VCR Mode

SHARP VCR can be operated using this remote control.

Channel selectors (V/∧)

These buttons are used for changing channels and setting the timer.

Play button ►

Press this button to start playback.

Record buttons ●

Press both buttons simultaneously to start recording. If the video cassette is protected against recording, it will be ejected.

Stop button ■

Press this button to stop playback or recording.

Operate button ⏻

Press this button to turn your VCR on.

Fast forward/picture search forward ►► and Rewind/picture search reverse ◀◀ buttons

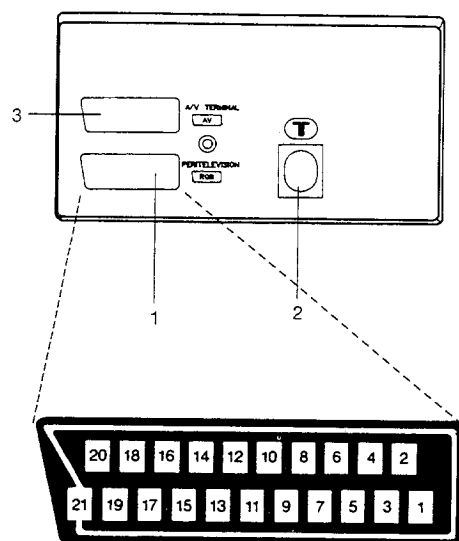
Both these buttons have the following function:

(Fast forwarding and Rewinding)

- ① To move through the cassette faster, press the STOP button and then press the ►► or ◀◀ button to fast forward or rewind the cassette.
- ② Press the STOP button to stop fast forward or rewind.
(Picture Search.)
- ① During playback, press the ►► button for forward picture search, or the ◀◀ button to reverse search.
- ② Press the PLAY button to resume normal playback.

For further details, please refer to operation manual of your VCR.

Audio/Video In/Out Terminal and 21-pin Euro-SCART



21-pin Euro-SCART

1. 21-pin Euro-SCART (Full connect, RGB).
2. Antenna terminal.
3. 21-pin Audio/Video and S-Video

For greater A/V enjoyment, various audio and video devices may be connected via the 21-pin Euro-SCART. For example, one can reveal in the stunning visuals from a VCR and the dynamic stereo sounds of an audio system. For your interest, here is just one example of an integrated A/V system.

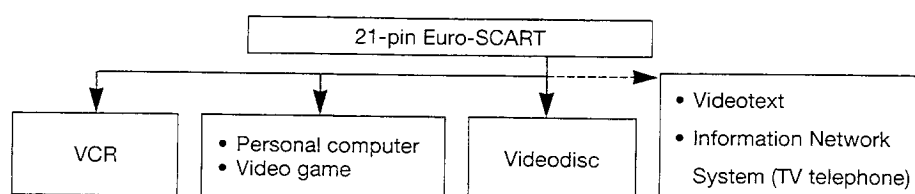
21-pin Euro-SCART

- | | | |
|---------------------------|------------------------|--------------------------------------|
| 1. Audio right output | 8. Audio-video control | 15. Red input |
| 2. Audio right input | 9. Earth for green | 16. Red/Green/Blue control |
| 3. Audio left output | 10. Not used | 17. Earth for video |
| 4. Common earth for audio | 11. Green input | 18. Earth for Red/Green/Blue control |
| 5. Earth for blue | 12. Not used | 19. Video output |
| 6. Audio left input | 13. Earth for red | 20. Video input |
| 7. Blue input | 14. Not used | 21. Plug shield |

21-pin Audio/Video or S-Video

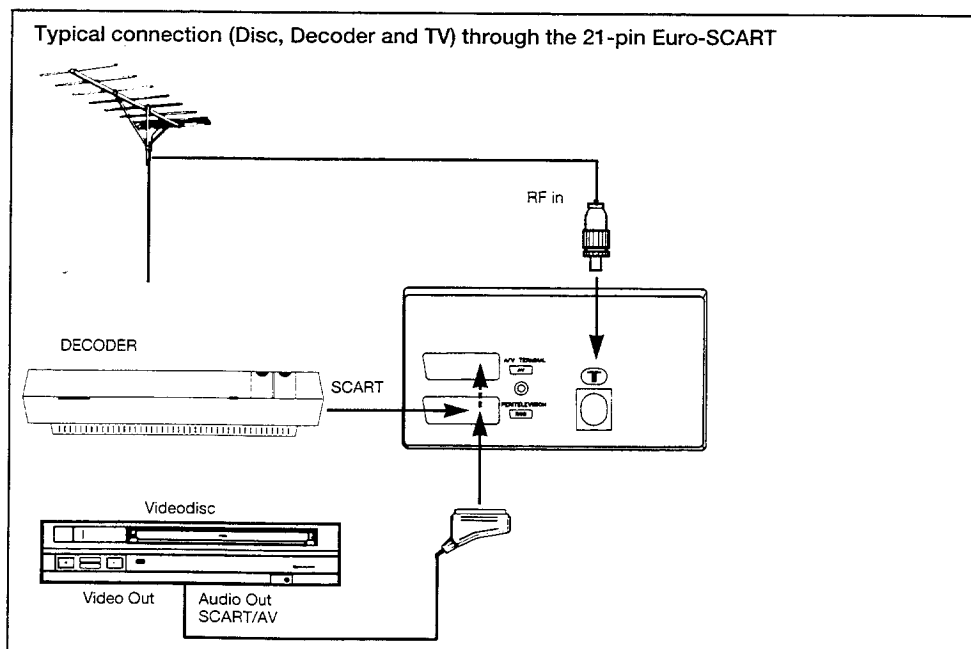
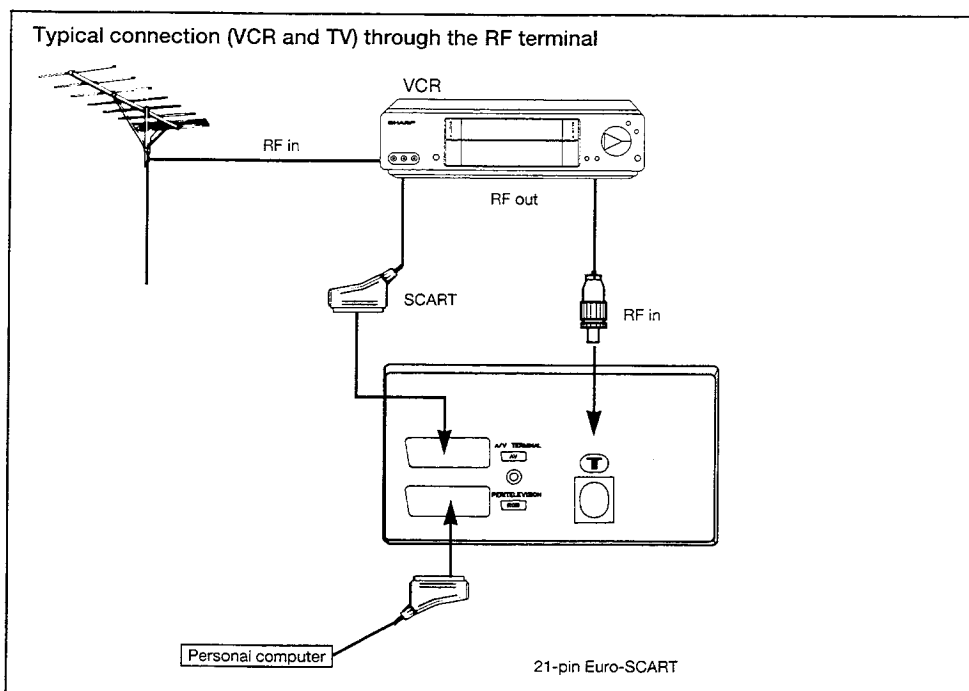
- | | | |
|---------------------------|------------------------|------------------------------------|
| 1. Audio right output | 8. Audio-video control | 15. Chroma S-Video input |
| 2. Audio right input | 9. Earth | 16. Not used |
| 3. Audio left output | 10. Not used | 17. Earth for video |
| 4. Common earth for audio | 11. Not used | 18. Earth |
| 5. Earth | 12. Not used | 19. Video output |
| 6. Audio left input | 13. Earth | 20. Video input/Luma S-Video input |
| 7. Not used | 14. Not used | 21. Plug shield |

Typical connection through 21-pin Euro-SCART



Typical connection (VCR/Disc and TV) through the 21-pin Euro-SCART

Please refer to the operation manual of your VCR for details.



Troubleshooting

The following conditions do not always denote trouble. Therefore, perform the checks described below before calling for service.

If the problem cannot be corrected by the use of this guide, pull the power plug out from the electrical outlet and call for service.

Problems	Possible Causes/Remedies											
	Try a new channel to check for possible station trouble	TV not plugged in Outlet power OFF	Main Power button of TV not ON	Antenna not connected to terminal at the back of the TV set	If outside antenna is used, check for broken wires	Check for local interference	Turn off using the Main Power button, then turn ON again after a minute	Adjust COLOUR control	Check batteries in the Remote Control	Try fine tuning to correct	Check if the Brightness or Contrast setting in the picture setting mode might be all the way to the minus side	Increase the volume
Remote control does not work		●	●				●		●			
Bars on screen					●	●						
Picture distorted	●				●					●		
Picture rolls vertically	●				●	●						
No colour	●			●	●			●		●		
Poor reception on some channels	●			●	●	●						
Picture weak	●			●	●			●		●		
Picture lines or streaks	●				●	●						
Picture ghosting	●			●	●	●						
Picture blurred	●				●					●		
Sound OK, picture poor	●			●	●	●		●		●	●	
Picture OK, sound poor	●					●						●
No picture or sound	●	●	●	●	●		●				●	●

GENERAL SPECIFICATIONS FOR TELEVISION RECEIVER

Item: IC Solid State Colour TV Receiver

Models: **51CS-05H, 59CS-05H, 66CS-05H**

Chassis: CS Chassis (IC & Transistorized Chassis)

1.	Receiving Broadcast Standard	CCIR TV Standard system PAL-I			
2.	Receiving Channel	UHF: 1 21 - 1 69 CH			
3.	Receiving System	Sound: Colour System: Field Frequency:	NICAM STEREO PAL Pal 50/60 HZ		
4.	Power Source	220V-240V AC 50Hz			
5.	Power Consumption at 240V AC 50Hz	51CS-05H 90 W max.	59CS-05H 140 W max.	66CS-05H 140 W max.	
6.	Power Consumption at (Stand-by)	3 W max.	3 W max.	3 W max.	
7.	Audio Output (mpo)	10+10 W	20+20 W	20+20 W	
8.	Dimensions (approx.)	width: height: depth:	541 m/m 470 m/m 482 m/m	695 m/m 537 m/m 431 m/m	740 m/m 568 m/m 470 m/m
9.	Viewing Area (diagonal measurement)	51 cm (21'')	59 cm (25'')	66 cm (28'')	
10.	Weight (approx.)	25 Kg	27 Kg	31 Kg	
11.1	Speaker (Elliptic 2pcs)	6x13 cm			
11.2	Internal speaker box (2 pcs):				
	Speaker (Elliptic 2pcs)		5,5x11,5 cm	5,5x11,5 cm	
	Tweeter (Round 2pcs)		5 cm	5 cm	
12.	Antenna Input Impedance	UHF 75 Ohm Unbalanced			
13.	Safety	CE - MARK: EN60065, AENOR, BEAB			
14.	EMC	CE - MARK: EN55013, EN55020			
15.	Accessories & etc.				
	a) User Instruction	Yes			
	b) Remote Control	Yes			
	c) Battery	2 pcs.			
16.	Other Features:				
	a) 40 Channel Programming System				
	b) Full Automatic Tuning System				
	c) Headphone Terminal				
	d) 21pin Connector (RGB)				
	e) 21pin Connector (AV / S-Video)				
	f) Blue Back Noise Mute Function				
	g) ON-OFF Timer				
	h) OSD System				
	i) PAL 50Hz/60Hz (field frequency) Capability				
	j) Multi / Double Page Teletext				
	k) Stereo (NICAM) Decoder				
	l) ACSS function (Auto Channel Sorting System)				
	m) AIS function (Auto Installation System)				
	n) Front AV input terminal				
	o) OPC (Optical Picture Control)				
	p) SRS Sound System				
	q) Child Lock System				



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TV SHARP

51/59/66CS-05H

SHARP

**SHARP ELECTRONICA
ESPAÑA, S. A.**

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