



As an ENERGY STAR [®] Partner, SHARP has determined that this product meets the ENERGY STAR [®] guidelines for energy efficiency. ENERGY STAR [®] is a U.S. registered trademark.

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1209 PE

Welcome to the SHARP Family. We are pleased that you are now the owner of a SHARP Color Television – built for outstanding quality, reliability and performance.

Every SHARP Color Television set is tuned and adjusted for proper color and sound, and has passed through the most stringent quality control tests at the factory. We have prepared this OPERATION MANUAL so that you may adjust the picture and color to your personal viewing preference.

We sincerely hope that you receive the greatest satisfaction and enjoyment from your new SHARP Color Television set for years to come.

Please read these instructions carefully, and keep them handy for your future reference.

IMPORTANT

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

Model No.:

Important Information

There are two important reasons for prompt warranty registration of your new SHARP television set, using the REGISTRATION CARD packed in with the set.

FIRST - WARRANTY

This is to assure that you will immediately receive the full consumer benefit of the parts, service and labor warranty applicable to your purchase.

SECOND – CONSUMER PRODUCT SAFETY ACT

To assure that you will promptly receive any safety notification on inspection, modification or recall that SHARP may be required to give under the 1972 Consumer Product Safety Act. PLEASE READ CAREFULLY THE IMPORTANT "LIMITED WARRANTY" CLAUSE ON THE LAST PAGE.

WHAT IS ENERGY STAR[®]

TVs and VCRs use energy both when they are on and when they are off. Americans spend more than \$1 billion a year on energy consumed by TVs and VCRs when they are not in use. The new ENERGY STAR [®] models will reduce that energy "leakage" by up to 75 percent. Ultimately, this will mean more than \$500 million a year in energy savings for consumers.

The energy savings will help reduce the burning of fossil fuels and the related carbon dioxide pollution that contributes to global warming. If every American family replaced their TVs and VCRs with ENERGY STAR [®] models, it would reduce carbon dioxide emissions by five million tons every year — equivalent to eliminating the pollution from more than one million cars.

By using ENERGY STAR [®] products, you will save money on your electric bills and use less energy. That makes good economic sense and it's good for our environment.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO WET LOCATIONS.





The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

"Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

Important Information (Continued)

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

Supplied Accessories



Infrared Remote Control/Part Number RRMCG1324CESA (13N-M100) RRMCG1324CESB (13N-M150)



Size AA Dry Batteries

Before Operating Your Television

Location

- For normal operation, your TV should be located in an area of the room where cool adequate ventilation is provided. Do not place the back of the television set in a place where free airflow will be restricted.
- Any magnetic force may disturb the color picture. Make sure that magnets, electric clocks, toys using
 magnets or any other magnetic substance, such as iron are kept well away from this TV set.

Power

Your TV operates on 120 Volts, 60 Hertz (normal household current) and has a polarized plug. If you are unable to insert the plug fully into the outlet, try reversing the plug. Should it fail to fit, contact an electrician. Do not defeat the safety feature of the polarized plug.

Note: >

- If the set will not be used for a long period, such as during a vacation, unplug the set from the wall
 outlet to economize power. (If the TV set is plugged in, a slight current still flows, even with the
 POWER BUTTON in the OFF position.)
- Lines and other noise may appear in TV broadcast images when an FM tuner or radio is located near the TV and both radio and TV broadcasts are being received. Should such noise appear, turn off either the TV or the radio.
- If you are listening to an AM broadcast, turn the TV off. AM broadcast signals may not be received due to the interference of the TV.

Before using the television, prepare the Remote Control

To use the remote control, insert batteries first.

Insert the batteries



With your thumbnail, pull up the slit as indicated by the arrow to remove the back cover. Insert two
batteries (size "AA"). Be sure to match the battery ⊕/⊖ terminals with the ⊕/⊖ marks inside the
compartment.

Antenna Connections

Antennas

 The antenna requirements for good color television reception are more important than those for black & white television reception. For this reason, a good quality outdoor antenna is strongly recommended.

The following is a brief explanation of the type of connections that are provided with the various antenna systems:

Antenna Connections (Continued)

- 1. A 75 ohm system is generally a round cable with F-type connector that can easily be attached to a terminal without tools (not supplied).
- 2. A 300 ohm system is a flat "twin-lead" cable that can be attached to a 75 ohm terminal through a 300-75 ohm ADAPTOR (not supplied).

OUTDOOR ANTENNA CONNECTION



- Use one of the following two diagrams if you connect an outdoor antenna. A: Using a VHF/UHF combination outdoor antenna.
- B: Using separate VHF and/or UHF outdoor antenna.
- Connect an outdoor antenna cable lead-in to the COAXIAL CABLE CONNECTOR on the rear of the TV set.



CABLE TV (CATV) CONNECTION

- A 75 ohm coaxial cable connector is built into the set for easy hookup. When connecting the 75 ohm coaxial cable to the set, screw the 75 ohm cable to the COAXIAL CABLE CONNECTOR.
- · Some cable TV companies offer "premium pay channels". Since the signals of these premium pay channels are scrambled, a cable TV converter/descrambler is generally provided to the subscriber by the cable TV company. This converter/descrambler is necessary for normal viewing of the scrambled channels. (Set your TV on channel 3 or 4. Typically one of these channels is used. If this is unknown. consult your cable TV company.) For more specific instructions on installing cable TV, consult your cable TV company. One possible method of utilizing the converter/descrambler provided by your cable TV company is explained below.

Please note: RF switch equipped with position A/B (not provided) is required.

"A" position on the RF switch (not supplied) : You can view all unscrambled channels using the TV's channel keys.

"B" position on the RF switch (not supplied) : You can view the scrambled channels via the converter/ descrambler using the converter's channel keys.



Note:

Consult your SHARP Dealer or Service Center for the type of splitter. RF switch or combiner that might be required.

Quick Reference Control Operation



Referencia rápida de los controles de operación

Ubicación de los controles

(ESPAÑOL)

Panel Delantero



Référence rapide sur les commandes Emplacement des touches (FRANÇAIS) Panneau Avant PRISES D'ENTRÉE VIDÉO/AUDIO ZONE DE DETECTION DU CAPTEUR ٢ T. Г ▼ CH ▲ L_{MENU}J VOL + POWER ALIMENTATION (POWER) Appuyer pour mettre sous tension. TOUCHES DES CANAUX Appuyer de nouveau pour mettre CROISSANT/DÉCROISSANT (CH) -AUGMENTATION/RÉDUCTION hors tension. MENU DU VOLUME SONORE (VOL) (▲) Sélectionne le canal supérieur (+) Pour augmenter le volume du son. suivant (-) Pour diminuer le volume du son.

- (V) Sélectionne le canal inférieur précédent.
- Appuyez simultanément sur ces deux touches pour accéder à l'écran MENU PRINCIPAL.

Fonctions de base de la télécommande

		Fe
ALIMENTATION (POWER) Appuyer pour mettre sous tension. Appuyer de nouveau pour mettre hors tension.	POWER INPUT	EI Ap Vic Ap
PAVE NUMERIQUE DE COMMANDE A DISTANCE Sélectionne directement le canal voulu sur le pavé numérique.	123 456	T(S/ (C
RETOUR (FLASHBACK) — Rappelle le canal regardé précédent.		(
AUGMENTATION/RÉDUCTION DU VOLUME SONORE (VOLUME UP/DOWN) (+) Pour augmenter le volume du son. (-) Pour diminuer le volume du son. (-) Pour changer ou sélectionner les réglages du téléviseur en mode menu.		• Aj Pi Aj
SOURDINE (MUTE) Appuyer → Mise en sourdine du son. Appuyer de nouveau → Rétablissement du son. • CLOSED CAPTION apparaît lorsque le son est mis en sourdine.		A A pe A di:
	SHARP	

Fenêtre d'émission du signal infrarouge

ENTRÉE (INPUT)

Appuyer pour sélectionner le mode vidèo externe.

Appuyer de nouveau pour sélectionner la télévision.

TOUCHES DES CANAUX CROIS-SANT/DÉCROISSANT (CHANNEL UP/DOWN)

- (▲) Sélectionne le canal supérieur
- suivant. (▼) Sélectionne le canal inférieur précédent.

RÉGLAGE (MENU)

Appuyer \rightarrow Accès au MENU PRINCIPAL. Appuyer de nouveau \rightarrow Sortie du

Appuyer de nouveau \rightarrow Sortie du MENU PRINCIPAL.

AFFICHAGE (DISPLAY)

Appuyer pour afficher le canal reçu pendant quatre secondes. Appuyer de nouveau pour faire

disparaître le canal. • Pour afficher temporairement le

 Pour afficher temporairement le canal reçu en le mode Sous-titres.

EZ SETUP during First Power On



5 Once EZ SETUP is completed, the lowest channel number memorized will be displayed.

2

Note: >

- If EZ SETUP does not memorize all the channels in your region, please refer to page 22 for more information on manually memorizing the channels using CHANNEL SETTING.
- It may be difficult to PRESET when the broadcasting signals are weak, the channel cycle frequency is incorrect or the frequency jamming is occuring around the area. Please refer to pages 22 ~ 24 for more information on manually memorizing the channels using CHANNEL SETTING.

Demo Mode

- To quickly learn more about the TV set, press and hold for more than three seconds both *CH UP* (▲) and *DOWN* (▼) on the TV set. The TV set will go into DEMO mode and briefly explain the various features.
- To cancel DEMO mode, again press both CH UP (▲) and DOWN (♥) on the TV set.

Example:

DEMO mode display

SHARP

From SHARP Minds Come SHARP Products

(On the Set)



CHANNEL UP (▲)/DOWN (♥) buttons

Accessing the MAIN MENU screen without Remote Control

- If you misplaced your Remote Control you can still access most settings via the MAIN MENU screen when you press both *CH UP* (▲) and *DOWN* (▼) on the TV set.
- Some features of your TV set will not be accessible without the Remote Control. If you lost your Remote Control, contact a Sharp Service Center for a replacement.

(On the Set)



CHANNEL UP (▲)/DOWN (▼) buttons

Language

The language for the ON SCREEN DISPLAY can be set to ENGLISH, SPANISH or FRENCH.
 Setting the ON SCREEN DISPLAY Language.

1	Press <i>MENU</i> to access MAIN MENU screen.	SLEEP TIMER VIDEO ADJUST CLOSED CAPTION PARENT CONTROL ENERGY SAVE SET UP (MAIN MENU screen)
2	Press <i>CH UP</i> (▲) or <i>DOWN</i> (♥) to move the "◆" mark to "SET UP". CH▲ CH▼	SLEEP TIMER VIDEO ADJUST CLOSED CAPTION PARENT CONTROL ENERGY SAVE \$SET UP
3	Press <i>VOL</i> (+) or (-) to access SET UP mode, then press <i>CH UP</i> (\blacktriangle) or <i>DOWN</i> (\checkmark) to move the " \diamond " mark to "LANGUAGE".	BLUE SCREEN +LANGUAGE CH SETTING (SET UP mode)
4	Press <i>VOL (+)</i> or <i>(-)</i> to access LANGUAGE change mode.	LANGUAGE CANGLISH ESPAÑOL FRANCAIS (LANGUAGE change mode)
5	Press <i>CH UP</i> (▲) or <i>DOWN</i> (▼) to select "ENGLISH", "SPANISH (ESPAÑOL)" or "FRENCH (FRANÇAIS)".	IDIOMA IENGLISH ¢ESPAÑOL IFRANCAIS
6	Press <i>MENU</i> to exit.	
	Sleep Timer	
	You can set the number of minutes for your TV to automatically turn of	
1 2	Press <i>MENU</i> to access MAIN MENU screen. Press <i>VOL</i> (+) or (-) to access TIMER SET mode. $\stackrel{\text{MENU}}{\bigcirc} \rightarrow \stackrel{\text{VOL}}{\stackrel{\text{VOL}}{\rightarrow}}$	<pre>◆SLEEP TIMER VIDEO ADJUST CLOSED CAPTION PARENT CONTROL ENERGY SAVE SET UP</pre>
3 4 No	Press VOL (+) or (-) to set a sleep time of 30, 60, 90 or 120 minutes. Press MENU to exit. $V_{+} \rightarrow O_{-} \rightarrow O_{-} \rightarrow O_{-}$	(MAIN MENU screen)
•	To turn off the Sleep Timer, repeat the above SLEEP TIMER steps and select step 3 . While SLEEP TIMER is active, the time remaining will be briefly displayed	" REMAIN" during

10 intervals or when the remote's Display key is pressed.

Video Adjust

Description of Adjustment Items VOLUME 00 Selected VOL UP (+) button VOL DOWN (-) button (+)/(-) item CHA CHANNEL PICTURE To increase contrast To decrease contrast UP (▲)/ TINT To make skin tones greenish To make skin tones purplish DOWN (V) COLOR MENU To increase color intensity To decrease color intensity BRIGHT To increase brightness To decrease brightness SHARP To increase sharpness To decrease sharpness FAVORITE To choose a RED, BLUE or STANDARD COLOR TONE. COLOR RESET To return all adjustments to factory preset levels. 1 Press **MENU** to access MAIN MENU screen. SLEEP TIMER 2 Press CH UP (▲) or DOWN (▼) to move the " ◆ " mark to "VIDEO ♦VIDEO ADJUST CLOSED CAPTION ADJUST". PARENT CONTROL CH▲ ENERGY SAVE MENU SET UP CH▼ (MAIN MENU screen) 3 Press VOL (+) or (-) to access PICTURE adjust mode. VOL PICTURE 27 (PICTURE adjust mode) 4 Press CH UP (▲) or DOWN (▼) to select the desired mode. (Refer to the diagram below.) PICTURE BRIGHT TINT COLOR ţ ŧ CH▲ RESET **FAVORITE COLOR** SHARP \rightarrow CH▼ ← : CH UP (▲) → : CH DOWN (▼) 5 Press VOL (+) or (-) to adjust the setting. VÕI PICTURE 27 VOL UP (+) increase contrast VOL DOWN (-) decrease contrast

6 Repeat steps 4 to 5 to adjust other settings.

Closed Caption

HOW TO SET CLOSED CAPTION

- Your TV is equipped with an internal Closed Caption decoder. "Closed Caption" is a system which allows you to view conversations, narration, and sound effects in TV programs and home videos as subscript on your TV screen as shown on the right.
- Not all the programs and videos will offer closed caption. Please look for the " c " symbol to ensure that captions will be shown.
- Closed Caption broadcast can be viewed in two modes: CAPTION and TEXT. For each mode, two channels are available, CH1 and CH2:

The [CAPTION] mode subscripts dialogues and commentaries of TV dramas and news programs while allowing clear view of the picture. The [TEXT] mode displays over the picture other various information (such as TV program schedule, weather forecast, etc.) that is independent of the TV programs.





1 2	Press <i>MENU</i> to access MAIN MENU screen. Press <i>CH UP</i> (▲) or <i>DOWN</i> (♥) to move the " ◆ " mark to "CLOSED CAPTION". MENU → CH▼ CH▼	SLEEP TIMER VIDEO ADJUST CLOSED CAPTION PARENT CONTROL ENERGY SAVE SET UP
		(MAIN MENU screen)
3	Press VOL (+) or (-) to access CLOSED CAPTION setting mode.	CLOSED CAPTION
	VOL VOL	✦MODE :CAPTION DATA :CH 1
		(CLOSED CAPTION setting mode)
4	Press <i>CH UP</i> (▲) or <i>DOWN</i> (▼) to move the " ◆ " mark to either "MODE" or "DATA".	CLOSED CAPTION MODE :CAPTION ¢DATA :CH 1
	CHT	
5	Press VOL (+) or (-) to change the CLOSED CAPTION setting.	
	MODE : CAPTION t + TEXT OFF DATA : CH1 t + CH2 VOL VOL VOL	CLOSED CAPTION \$MODE : CAPTION DATA : CH 1
6	Press <i>MENU</i> to exit.	

Note:

- If a broadcast has CLOSED CAPTION and the *MUTE* button is pressed, the set enters [CAPTION] mode automatically. Pressing *MUTE* again will return the set to its previous condition.
- Closed Caption may malfunction (white blocks, strange characters, etc.) if signal conditions are poor
 or if there are problems at the broadcast source. This does not necessarily indicate a problem with
 your set.
- If any button is pressed to call up the ON SCREEN DISPLAY while viewing a CLOSED CAPTION broadcast, the closed captions will disappear momentarily.
- When viewing in TEXT mode, if no TEXT broadcast is being received, for some programs the screen may become dark and blank. Should this occur, set the Closed Caption mode to "OFF".

Parent Control (V-CHIP Operation)

V-CHIP

- This function allows you to restrict TV programs and also allows you to control TV usage based on FCC data. This function is to prevent your children from watching violence or sexual scenes that may be harmful.
- Restriction of TV programs includes two characters that contain information about the program's MPAA rating and the TV Parental Guidelines. MPAA is restricted by age. TV Parental Guidelines are restricted by age and contents.
- Since a TV program may use either the MPAA rating or the TV Guidelines you should adjust both for complete control.

[1] MPAA RATING

RATING		
	G	GENERAL AUDIENCES. All ages admitted.
	PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children.
age base	PG-13	PARENTAL STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
Dase	R	RESTRICTED. Under 17 requires accompanying parent or adult guardian.
	NC-17	NO ONE 17 AND UNDER ADMITTED.
	Х	X Rating is an older rating that is unified with NC-17 but may be encoded on older movie's data.

• MPAA RATING (Example)

Example 1.

"PG-13" in the age based RATING is blocked, this will automatically block the high ratings "R", "NC-17", "X" also.



Example 2.

"R" in the age based RATING is blocked, this will automatically block the high rating "NC-17", "X" also.



Note: >

• MPAA RATING is only age based ratings.

[2] TV PARENTAL GUIDELINES

RATING		← content base →					
		AGE	D (Sexually Suggestive Dialog)	L (Adult Language)	S (Sexual Situation)	V (Violence)	FV (Fantasy Violence)
	TV-Y (All children)	V	-	-	-	_	-
	TV-Y7 (Direct to Older Children)	V	-	-	-	_	V
	TV-G (General Audience)	V	-	_	_	_	_
age base	TV-PG (Parental Guidance Suggested)	V	V	V	V	V	-
Ŷ	TV-14 (Parents Strongly Cautioned)	V	V	V	V	V	_
	TV-MA (Mature Audience Only)	V	-	V	V	V	-

V: Content Rating can be set.

- : Content Rating can not be set (not normally broadcast by TV station).

Parent Control (V-CHIP Operation Continued)

• TV PARENTAL GUIDELINES (Example)

Example 1.1 : Age Based setting

Go through all select ratings and select unblocked for "AGE". This will automatically unblock everything.

Example 1.2 : Age Based setting

For "TV-G" select "BLOCK" for "AGE". This will automatically block the higher age ratings "TV-PG", "TV-14" and "TV-MA" as well as "TV-G". Furthermore, the content ratings "D", "L", "S", "V", "FV" are automatically blocked as well for "TV-PG", "TV-14" and "TV-MA" as well as "TV-G".

Example 2.1 : Content Based setting

For "TV-PG", "TV-14" and "TV-MA" select unblocked for each content ratings ("D", "L", "S", "V", "FV") by leaving "AGE" unblocked for "TV-PG", "TV-14" and "TV-MA". If you choose to unblock for each one in content base.

Example 2.2 : Content Based setting

Then for "TV-PG" and select "BLOCK" for only "V" (Violence). This will automatically block the higher ratings "TV-14-V" and "TV-MA-V" ("TV-14" and "TV-MA" for Violence content only).

Please note that with these settings blocking does NOT occur. If a program is rated only "TV-MA"; it must be rated "TV-MA-V" to be blocked.

Example 3 : Reset an Age Based setting

For "TV-14" and select again "BLOCK" for "AGE".

This will again automatically block the content ratings "D", "L", "S", "V", "FV" for "TV-MA" as well as "TV-14".

Please note that the lower age rating "TV-PG" did not change from its previous settings.

Note: >

- Content ratings can be modified but only in the combinations indicated by an V in the table left.
- Changing a lower age rating's content setting to "BLOCK" automatically changes the same higher age rating's content setting to "BLOCK" regardless of their previous settings.
- Changing a lower rating's "AGE" setting to "BLOCK" automatically changes all higher ratings to "BLOCK" regardless of their previous settings.
- Any rating's "AGE" set to unblocked must have its content settings individually set.

[3] ADDITIONAL MODE

Besides the above "MPAA RATINGS" and "TV PARENTAL GUIDELINES" new ratings system's data can be downloaded when they become available. (See page 18.)











Parent Control (V-CHIP Operation Cont	inued)
■ HOW TO SET V-CHIP [1] MPAA RATING	1 2 3 4 5 6 7 8 9 REMOTE KEYPAD VOLUME (+)/(-) CHANNEL UP (▲)/ DOWN (▼) MENU
1 Press <i>MENU</i> to access MAIN MENU screen.	SLEEP TIMER VIDEO ADJUST CLOSED CAPTION PARENT CONTROL ENERGY SAVE SET UP (MAIN MENU screen)
2 Press <i>CH UP</i> (▲) or <i>DOWN</i> (♥) to move the " \$ " mark to "PARENT CONTROL".	SLEEP TIMER VIDEO ADJUST CLOSED CAPTION ¢PARENT CONTROL ENERGY SAVE SET UP
3 Press <i>VOL (+)</i> or <i>(-)</i> to access PARENT CONTROL mode, then "PARENT CONTROL V-CHIP BLOCK" is displayed.	PARENT CONTROL V-CHIP BLOCK (PARENT CONTROL mode)
4 Press <i>VOL</i> (+) or (-) to access V-CHIP select mode, then press <i>VOL</i> (+) or (-) to select "MPAA RATING". $\underbrace{\text{Vol}}_{\downarrow} \underbrace{\text{Vol}}_{\downarrow} \rightarrow \underbrace{\text{Vol}}_{\downarrow} \underbrace{\text{Vol}}_{\downarrow}$	♦MPAA TV GUIDELINES DOWNLOAD: OFF STATUS : OFF (V-CHIP select mode)
5 Press CH UP (▲) or DOWN (♥) to move the " ◆ " mark to "PG", then press VOL (+) or (-) to select BLOCK. If you set "PG" to BLOCK, "PG-13", "R", "NC-17" and "X" are automatically blocked. CH▲ CH▲ VOL CH▼ → VOL VOL	PG-13 :BLOCK R :BLOCK
6 Repeat pressing <i>MENU</i> to return V-CHIP select mode exit.	

Ex.

- If you set "G" to BLOCK , all RATING are automatically blocked.
- If you set "X" to BLOCK, "G", "PG", "PG-13", "R" and "NC-17" are not blocked.

Parent Control (V-CHIP Operation Continued)

[2]	TV PARENTAL GUIDELINES	
1 2	Repeat steps 1 to 3 of [1] MPAA RATING. Press <i>CH UP</i> (▲) or <i>DOWN</i> (♥) to move the " ≑ " mark to "TV GUIDELINES". CH▲ CH▼	MPAA TV GUIDELINES DOWNLOAD:OFF STATUS :OFF
3	Press <i>VOL (+)</i> or <i>(-)</i> to access TV GUIDELINES mode.	AGE D L S V FV TV-Y IV.1EW TV-9 V IV.1EW TV-9 V IV.1EW TV-96 V V.V.V.V - TV-14 V V.V.V.V - TV-44 V - V.V.V -
4	To change CONTENT SETTING, press CH UP (\blacktriangle) or DOWN (\blacktriangledown) to move the " \Leftrightarrow " to the desired rating and then press VOL (+) or (-) to select.	MENU:RETURN
5	Press CH UP (\blacktriangle) or DOWN (\blacktriangledown) to move the " \Leftrightarrow " to the desired content and then press VOL (+) or (-) to select either "BLOCK" or unblock ("").	TV-Y7 *AGE :: BLOCK D :: S :: V :: BLOCK WENU:RETURN (CONTENT RATING mode)
6	Press <i>MENU</i> to return to TV GUIDES mode.	AGE D L S V FV TV-Y
7	Repeat steps 4 to 5 until all ratings and their contents are set.	*17-67 U U U: BLOCK 170-PG U U U U U - 170-14 U U U U U U - 170-14 U U U U U U - 170-14 U U U U U U - MENU: RETURN
8	When done, press <i>MENU</i> to exit.	

	Parent Control (V-CHIP Operation Continu	led)
• /	ACTIVATE ON TO TURN ON V-CHIP BLOCK	
1	Press <i>CH UP</i> (▲) or <i>DOWN</i> (♥) to move the " ≑" mark to "STATUS", then press <i>VOL</i> (+) or (-) to activate ON the V-CHIP BLOCK. (If STATUS is OFF, V-CHIP BLOCK will not be operated.)	MPAA TV GUIDELINES DOWNLOAD:OFF
	$\begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	STATUS : ON
2	Press <i>MENU</i> , then "INPUT SECRET No." will be displayed.	
		INPUT SECRET No.
3	Enter the 4-digit SECRET No. using the REMOTE KEYPAD .	
	() (INPUT SECRET No. 1 2 3 4
4	Press <i>MENU</i> and SECRET No. is registered.	
• •	To cancel the V-CHIP BLOCK screen while V-CHIP BLOCK has	been activated.
1	"V-CHIP HAS BEEN ACTIVATED" will be displayed if you watch the program with Program Rating data as same as you configured.	V-CHIP HAS BEEN ACTIVATED
		T V – Y 7 F V
	ote: > 'V-CHIP HAS BEEN ACTIVATED" will not be displayed if STATUS is n	ot configured to "ON".
2	Press <i>MENU</i> , then "INPUT SECRET No." will be displayed.	
		INPUT SECRET No.
	MENU	
3	Enter the 4-digit SECRET No. using the REMOTE KEYPAD , then V-CHIP BLOCK temporarily will be canceled. If the wrong SECRET No. is chosen, "SECRET No. IS INCORRECT" will be displayed. Input the SECRET No. again in this case.	INPUT SECRET No. * * * *
N	æ ote: ► D®	

[•] If you change Power from OFF to ON, then V-CHIP BLOCK will be activated ON again.

Parent Control (V-CHIP Operation Continued)

• To change the V-CHIP BLOCK setting. (Secret No. is registered.)

1	Repeat steps 1 to 3 of [1] MPAA RATING , then "INPUT SECRET No." will be displayed.	INPUT SECRET 	No.

2 Enter the 4-digit SECRET No. using the *REMOTE KEYPAD* and the V-CHIP select mode will be displayed. Repeat configuration of the V-CHIP BLOCK.

INPUT	SI	ECF	RET	No.
*	*	*	*	

 If you intend to change or forget your Secret No., clear the original Secret No. and set up a new one.

MENU

()

- 1 Repeat steps 1 to 3 of [1] MPAA RATING, or 1 to 2 of [To cancel the V-CHIP BLOCK screen while V-CHIP BLOCK has been activated], then "INPUT SECRET No." will be displayed.
- 2 Press and hold both *VOL (+)* and *CH DOWN (▼)* on the TV set simultaneously until the message "INPUT SECRET No." disappears.

(On	the	Set)



VOL (+)/CHANNEL DOWN (♥) buttons

3 Press *MENU* two times to exit.

Repeat pressing **MENU** to return exit.

[3] ADDITIONAL MODE (DOWNLOAD) There will be an additional new rating system. In that case, please set up as follows. Subsequently the new rating system will set up automatically.

1 2	Repeat steps 1 to 3 of [1] MPAA RATING. Press <i>CH UP</i> (▲) or <i>DOWN</i> (▼) to move the " ◆ " mark to "DOWNLOAD".	MPAA TV GUIDELINES ¢DOWNLOAD:OFF STATUS :OFF
3	Press <i>VOL (+)</i> or <i>(-)</i> to "DOWNLOAD : ON".	MPAA TV GUIDELINES ¢DOWNLOAD:ON STATUS :OFF

Parent Control (V-CHIP Operation Continued)



2 DOWNLOAD screen will disappear, if DOWNLOAD is finished.

Note:

 DOWNLOAD would not be started, if you don't watch the program with "New Rating System Data".

ADDITIONAL MODE (Example)

1 2	Repeat steps 1 to 2 of [3] ADDITIONAL MODE. Press <i>CH UP</i> (\blacktriangle) or <i>DOWN</i> (\blacktriangledown) to move the " \Leftrightarrow " mark to "Cdn. English Ratings", then press <i>VOL</i> (+) or (-). CH \blacktriangle \rightarrow $(\bigcirc UL)$	MPAA TV GUIDELINES +Cdn. English Ratings Cdn. French Ratings DOWNLOAD:ON STATUS :ON
3	You can select "BLOCK" or "" (unblock) from each RATING mode by pressing <i>CH UP</i> (▲) or <i>DOWN</i> (♥) and <i>VOL</i> (+) or (-). CH▲ (VOL CH▼ (■) (ENGLISH IND	C :====== C8+ :BLOCK PG BLOCK 14+ :==== 14+ :BLOCK INDIVIDUAL BLOCK MENU:RETURN DIVIDUAL BLOCK mode)
4	You can select "BLOCK" or "" (unblock) from each RATING mode by pressing <i>CH UP</i> (▲) or <i>DOWN</i> (♥) and <i>VOL</i> (+) or (-) if you select "Cdn. French Ratings" in step 2.	

Note: >

In additional mode

Including two types (English mode, French mode), altogether you are able to download 4 kinds of mode.

Energy Save

	This feature lets you lower the power consumption of your TV set which in turn saves you money and minimizes the impact on the environment. When this feature is turned on, it reduces the brightness of the TV to a level that consumes approximately 20 percent less energy than when the feature is turned off. The reduction in brightness will be less noticeable under low room lighting conditions.	RASESSACE CH-H-WO CH-H-WO CH-H-WO CH-H-WO CH-ANNEL UP (▲)/ DOWN (♥) MUTE DBR4Y MENU
1 2	Press <i>MENU</i> to access MAIN MENU screen. Press <i>CH UP</i> (▲) or <i>DOWN</i> (♥) to move the " ◆ " mark to "ENERGY SAVE". MENU → CH▲ CH▼	SLEEP TIMER VIDEO ADJUST CLOSED CAPTION PARENT CONTROL \$ENERGY SAVE SET UP (MAIN MENU screen)
3	Press VOL (+) or (-) to access ENERGY SAVE select mode.	ENERGY SAVE :OFF
4	Press VOL (+) or (-) to select "ON".	(ENERGY SAVE select mode)
	VOL VOL	ENERGY SAVE : ON
5	Press <i>MENU</i> to exit.	

Set Up EZ SETUP By operating the channel presetting functions, you can preset (1)2(3)your TV to the desired channels for viewing. REMOTE (4)(5)(6)KEYPAD 789VOLUME (+)/(-) 0 (100) CHANNEL CH▲ 1 UP (▲)/ DOWN (▼) CHT MENU 1 Press **MENU** to access MAIN MENU screen. SLEEP TIMER 2 Press CH UP (▲) or DOWN (▼) to move the "♦" mark to "SET VIDEO ADJUST CLOSED CAPTION UP". PARENT CONTROL CH▲ ENERGY SAVE MENU ♦SET UP CH▼ (MAIN MENU screen) 3 Press VOL (+) or (-) to access SET UP mode, then press CH UP (▲) or *DOWN* (▼) to move the " ◆" mark to "CH SETTING". BLUE SCREEN LANGUAGE CH SETTING CH▲ CH▼ (SET UP mode) 4 Press VOL (+) or (-) to access CH SETTING mode. ♦EZ SETUP AIR/CABLE CH SEARCH CH MEMORY VOL (CH SETTING mode) 5 Press VOL (+) or (-) to access EZ SETUP mode. CONNECT ANTENNA OR CABLE. START EZ SETUP? VOL VOL YES: VOL+ NO : VOL-(EZ SETUP mode) 6 Press VOL (+). The tuner will automatically search for the VOL PLEASE WAIT broadcasting and cable TV channels. (The CH No. AUTO PROGRAMMING will automatically increase when it appears.) If you want to stop the EZ SETUP process once it 18 has started, press VOL (-). Search will be STOP : VOLcanceled.

7 Once EZ SETUP is completed, the lowest channel number memorized will be displayed.

Set Up (Continued)

	CHANNEL SETTING If EZ SETUP does not memorize all the channels in your region, for to manually memorize the channel.	llow the instructions below
1 2	Press <i>MENU</i> to access MAIN MENU screen. Press <i>CH UP</i> (▲) or <i>DOWN</i> (♥) to move the " ◆ " mark to "SET UP". MENU → CH▲ CH▼	SLEEP TIMER VIDEO ADJUST CLOSED CAPTION PARENT CONTROL ENERGY SAVE \$SET UP (MAIN MENU screen)
	Press <i>VOL</i> (+) or (-) to access SET UP mode. Press <i>CH UP</i> (\blacktriangle) or <i>DOWN</i> (\triangledown) to move the " \Leftrightarrow " mark to "CH SETTING". $vol \qquad vol \qquad vol \qquad vol \qquad OH \checkmark$	BLUE SCREEN LANGUAGE ¢CH SETTING
		(SET UP mode)
5	Press <i>VOL (+)</i> or <i>(-)</i> to access CH SETTING mode.	<pre>◆EZ SETUP AIR/CABLE CH SEARCH CH MEMORY</pre> (CH SETTING mode)
6	Press <i>CH UP</i> (\blacktriangle) or <i>DOWN</i> (\blacktriangledown) to move the " \Leftrightarrow " mark to "AIR/ CABLE", then press <i>VOL</i> (+) or (-) to access AIR/CABLE mode.	EZ SETUP \$AIR/CABLE CH SEARCH CH MEMORY
7	Press <i>CH UP</i> (▲) or <i>DOWN</i> (▼) to move the " ◆ " mark to the desired mode.	AIR/CABLE AIR CABLE STD CABLE HRC CABLE IRC (AIR/CABLE mode)
8	Press <i>MENU</i> to exit.	
	Dte: Receivable channels of your TV set are: AIR channels: CABLE channels: VHF: 2 through 13. UHF: 14 through 69. CABLE channels: 1 (HRC and IRC and	mode only) ID, HRC and IRC)

Set Up (Continued)



Set Up (Continued)



If you press VOL (+) again while in the CH SEARCH mode, auto-program will start again, and the
previously memorized channels will be lost.

BLUE SCREEN Automatically turns the screen blue if a broadcast signal is not received.



Note:

- Poor reception due to weak signals, or too much noise might activate the BLUE SCREEN function despite the presence of a broadcast signal. To continue watching TV under these conditions, switch the BLUE SCREEN "OFF".
- While VCR input mode is selected, the BLUE SCREEN will not be shown on your TV even if the BLUE SCREEN is turned on.

Using the Video and Audio Input Jacks

Connecting video equipment for playback of video material.

• When the television is connected to video equipment as shown below, the material being played back on the video equipment can be seen on the television screen.



To watch video material playback.

- Press the Remote's *INPUT* to select VIDEO INPUT mode to which the video equipment you want to playback is connected.
- The external VIDEO INPUT mode will change as follows each time the INPUT is pressed.



 INPUT mode can be selected by pressing either the CH UP (▲) on the TV remote control when the TV is set to the highest channel stored in memory, or by pressing the CH DOWN (▼) when it is set to the lowest channel.

Note: >

- When connecting video or audio equipment to the television, be sure that the power is turned off in order to prevent damage to either the television or the equipment being connected.
- It is the intent of SHARP that this product be used in full compliance with the copyright law of the United States and that prior permission be obtained from copyright owners whenever necessary.
- For detailed information on the connection and use of auxiliary equipment, refer to the instruction manuals of the equipment being used.
- The connection cords can be obtained from your local video store.

Before Calling for Service

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 | Picture Rolls Vertically

 | Vo Color | Poor Reception on Some Channels | Neak Picture
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 | Shosts in Picture | Picture Blurred | Sound OK, Picture Poor | Picture OK, Sound Poor | Vo Picture or Sound | Dark and Blank Picture | External Electrical Noise Interfering with TV's Operation |
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Check these items and see if you can correct trouble with a slight adjustment of the controls.

Note: >

• When viewing in TEXT mode, if no TEXT broadcast is being received, the screen may become dark and blank. Should this occur, set the Closed Caption mode to "OFF".



(Dark and Blank Picture)

Antes de llamar al servicio de reparaciones

Verifique estos items para ver si usted mismo puede solucionar el problema.

Verifique estos items para ver si usteu								P			и. Г							
LISTA DE COMPROBACIONES DE SERVICIORAPIDO	PROBLEMA	El vídeo o el reproductor de discos de video no eproducen imágenes	El equipo de video/audio externo no produce imágenes ni sonido	El mando a distancia no funciona	Barras en la pantella	Imagen distorsionada	La imagen se desplaza verticalmente	No hay color	Mala recepción de algunos canales	Imagen débil	Franjas en la imagen	lmagen fantasma	Imagen borrosa	Sonido adecuado, imagen mala	Imagen adecuada, sonido malo	No hay imagen ni sonido	Imagen oscura y en blanco	Interferencia de ruido eléctrico externo con el funcionamento del televisor
POSIBLE SOLUCIÓN		<u>ш Б</u>	⊒. ⊡	Ξ	B	۳	La	ž	Ξ	<u></u>	цЩ,	<u></u>	<u></u>	လိ	<u></u>	ž	<u></u>	fu lu
Pruebe con otro canal y si todo est bien, el problema puede ser de l emisora.						x	x	x	x	x	x	x	x	x	x	x		
Está conectado el televisor? Lleg electricidad al tomacorrientes?	ja		x	x												х		
Está conectado el interruptor de televisor?	el		x													x		
Está conectado la antena al terminal de panel posterior del televisor?	el							х	x	x		х		х		х		
Si utiliza una antena exterior, cercióres de que el cable no esté dañado.	se				х	x	x	x	x	x	x	x	x	x		х		
Compruebe si hay interferencia local.					Х		Х		х		x	Х		Х	х			Х
Desconecte el interruptor POWER vuelva a conectarlo después d transcurrir un minuto.	у		x													x		
Ajuste el control de COLOR.								Х										
Ajuste el control de MATIZ.										X				Х				
Verifique los productos externos d Video/Audio, revise si hay fugas d conexiones sueltas o rotas.		x	x											x	x	x		
Compruebe el estado de las pilas de mando a distancia.				x														
Desactive (OFF) el modo CLOSE CAPTION / Desactive (OFF) el mod Ahorro de Energía (Energy Save)	lo																x	
Desenchufe el televisor y vuelva enchufarlo despúes de dos minutos.	а			x			x	x	x	x				x	x	x	x	х

Nota: >

 Cuando se ve en modo TEXTO sin recibir emisiones de TEXTO, la pantalla puede ponerse en blanco y negro. Si ocurriera ésto, ponga el modo CLOSED CAPTION en OFF.



(Imagen oscura y en blanco)

Calling for Service

For location of the nearest SHARP Authorized Service, or to obtain product literature accessories, supplies, or customer assistance, please call 1-800-BE-SHARP.

Limited Warranty

CONSUMER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Sharp.

The warranties described herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so that above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Model Specific Section	
Your Product Model Number & Description:	13N-M100B, 13N-M150B, 13N-M100, 13N-M150,13 inch Color Television (Be sure to have this information available when you need service for your Product.)
Warranty Period for this Product:	One (1) year parts and 90 days labor. The warranty period continues for an additional one (1) year, for a total of two (2) years, with respect to the picture tube(s) in the Product for parts only. Labor and service are not provided free of charge for this additional period.
<u>Additional Item(s) Excluded from</u> Warranty Coverage (if any):	Non-rechargeable batteries.
Where to Obtain Service:	From a Sharp Authorized Servicer located in the United States. To find the location of the nearest Sharp Authorized Servicer, call Sharp toll free at 1-800-BE-SHARP.
What to Do to Obtain Service:	Ship prepaid or carry in your Product to a Sharp Authorized Servicer. Be sure to have Proof of Purchase available. If you ship the Product, be sure it is insured and packaged securely.

TO OBTAIN ACCESSORY OR PRODUCT INFORMATION, CALL 1-800-BE-SHARP OR VISIT www.sharp-usa.com



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