

KEC MOBILE
APPLICATIONS

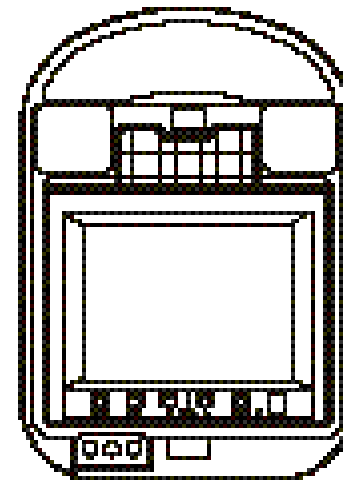
6.4" TFT LCD TELEVISION

OPERATING INSTRUCTIONS

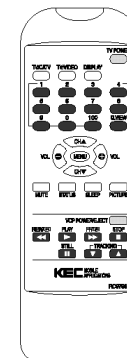
PROFESSIONAL INSTALLATION ONLY

MODEL : LSM64

FOR RV-SPECIFIC DC-ONLY OPERATION



PLEASE READ THIS ENTIRE OWNER'S
MANUAL BEFORE USING THIS LCD TV.



"THIS PRODUCT HAS BEEN DESIGNED, MANUFACTURED
AND INSPECTED IN COMPLIANCE WITH THE ISO9001 QUALITY
ASSURANCE SYSTEM."

IMPORTANT NOTE :

WHEN USED IN A VEHICLE, THIS SYSTEM IS INTENDED PRIMARILY AS A MONITOR FOR A VIDEO CASSETTE PLAYER, VIDEO GAME, OR CAMERA. TELEVISION BROADCAST RECEPTION WILL BE ADVERSELY AFFECTED BY CONDITIONS SUCH AS MOTION, CHANGE OF DIRECTION, ATMOSPHERIC ACTIVITY, AND LOCAL SURROUNDINGS. IT IS THEREFORE LIKELY THAT BROADCAST PICTURE QUALITY WILL BE MARGINAL WHEN THIS SYSTEM IS USED IN A MOBILE ENVIRONMENT.

CAUTIONS

CAUTION :

- ANY CHANGES OR MODIFICATIONS IN CONSTRUCTION OF THIS DEVICE WHICH ARE NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE

WARNINGS :

- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
- DO NOT OPEN THE CABINET. DANGEROUS HIGH VOLTAGE IS PRESENT. SERVICING SHOULD ONLY BE PERFORMED BY QUALIFIED PERSONNEL.
- THIS LCD VIDEO SYSTEM SHOULD ONLY BE OPERATED WITH 12V DC.

GRAPHICAL SYMBOLS EXPLANATION



This lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (Servicing) instructions in the literature accompanying the appliance.

FCC WARNINGS :

This equipment may generate or use radio frequency energy. Change or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual.

The user could lose the authorization to operate this equipment if an unauthorized change or modification is made.

IMPORTANT SAFEGUARDS

1. **Read Instructions**-All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions**-The safety and operating instructions should be retained for future reference.
3. **Heed Warnings**-All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions**-All operating and use instructions should be followed.
5. **Cleaning**-Unplug this product from power cable connector before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. **Attachments**-Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Water and Moisture**-Do not install this product near water-for example, near a bath tub, wash-bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8. **Accessories**-Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the equipment. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting approved by the manufacturer.
9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. **Ventilation**-Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. **Power Sources**-This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your car, consult your product dealer. For products intended to operate from battery power, or other source, refer to the operating instructions.
12. **Servicing**-Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



IMPORTANT SAFEGUARDS

- 13. Damage requiring Service**-Unplug this product the wall outlet and refer servicing to qualified service personnel under the following conditions:
- a. When the power-supply cord or plug is damaged.
 - b. If liquid has been supplied, or objects have fallen into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - e. If the product has been dropped, or the cabinet has been damaged.
 - f. When the product exhibits a distinct change in performance-this indicates a need for service.
- 14. Replacement Parts**-When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part.Unauthorized substitutions may result in fire, electric shock or other hazards.
- 15. Safety Check**-Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.
- 16. Wall or Ceiling Mounting**-The product should be mounted to a wall or ceiling only safety recommended by the manufacturer.
- 17. Heat**-The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

TABLE OF CONTENTS

We strongly recommend that you carefully read all of the descriptions and operation procedures contained in this Owner's Manual prior to operating your new LSM64.

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FEATURES

- ⌘ 6.4 INCH TFT LCD PANEL
- ⌘ 12 Volt DC Operation
- ⌘ Frequency Synthesizer Tuning System
- ⌘ Full On-Screen Display of all Switching Functions
- ⌘ Full On-Screen Display of all Picture Functions
- ⌘ Automatic Power Shut-off & Memory Power On Functions
- ⌘ Full Remote Control
- ⌘ High Voltage Protection (Over 18 Volts DC)
- ⌘ Polarity Reversal Protection
- ⌘ Four Input Selections (TV Tuner, VIDEO1, VIDEO2, VIDEO3)
- ⌘ Wireless Remote Control
- ⌘ AV and External Speaker Out, External Antenna Input, Ready for CAR Set Up
- ⌘ Memory Back Up (10 Years)
- ⌘ Extension Cable for KEC Mobile Application VCP

The Remote Controller that is packaged with this unit will also control any KEC Mobile Applications VCP

NOTES:

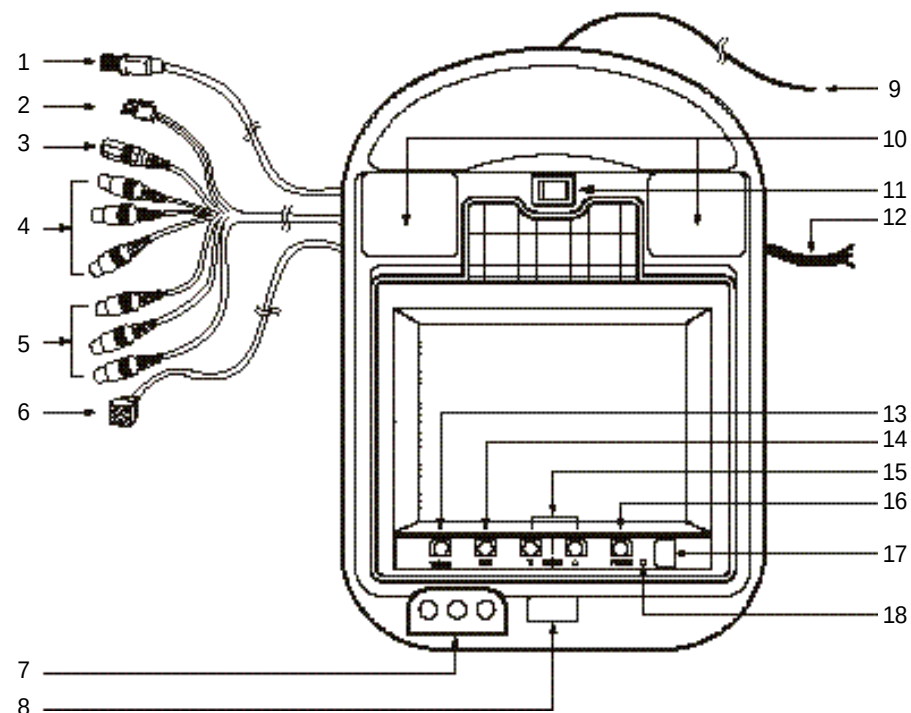
Automatic Power Off Function:

This System will automatically turn off approximately 15 minutes after it last receives a video signal.

Memory Power On Function:

If this System was in power on mode when power was last removed (unplugged or ignition off), it will automatically turn on when power is reapplied.

IDENTIFICATION OF SWITCH AND JACKS

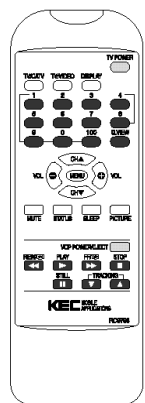


1. EXTERNAL ANTENNA IN JACK
2. DC INPUT JACK
3. EXTERNAL SPEAKER OUT JACK
4. AV2 INPUT JACK
5. AV OUTPUT JACK
6. AV1 INPUT JACK
7. AV3 INPUT JACK
8. LCD PANEL DROP-DOWN BUTTON
9. FM ANTENNA

10. LAMP
11. LAMP SWITCH
12. LAMP POWER INPUT
13. TV/VIDEO BUTTON
14. MENU BUTTON
15. CHANNEL DOWN(▼), UP(▲) BUTTONS
16. POWER BUTTON
17. REMOTE CONTROL SENSOR
18. STAND-BY INDICATOR

ACCESSORIES

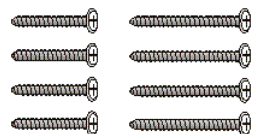
Please check to make sure that all of these items have been included.



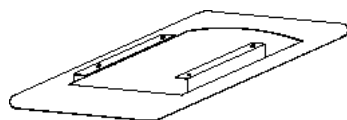
REMOTE CONTROL



BATTERIES(AAA × 2)



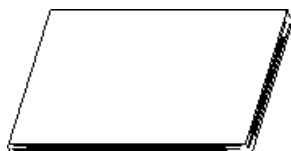
Install Screw



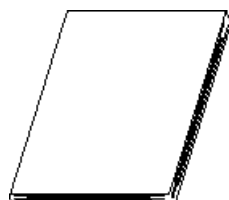
HOUSING FRAME



Extension Cable (Varies with packaging)



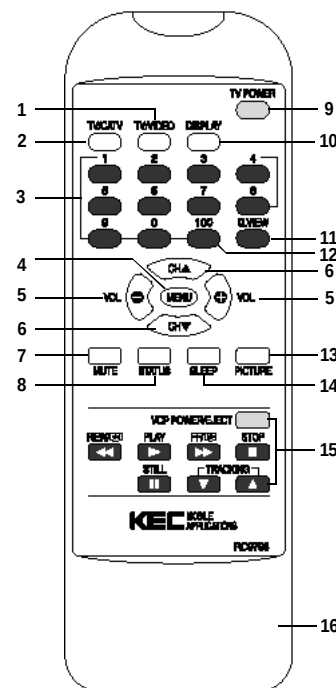
WARRANTY CARD
SAFETY TIPS



OWNERS MANUAL

REMOTE CONTROL USE

Remote Control



1. TV/VIDEO BUTTON

Press repeatedly to cycle program source selection between TV A/V1 IN & A/V2 IN & A/V3 IN. This button is duplicated on the remote control and TV/SET.

2. TV/CATV BUTTON

This model is not supplied TV/CATV button function.

3. DIRECT CHANNEL SELECTION (0 ~ 9) BUTTONS

Used for the direct selection of channels.

4. MENU BUTTON

Press to call up an on-screen menu used to set channel program channel list, FM mode, FM Freq and Language.

5. VOLUME DOWN (▼), UP (▲) BUTTONS

Press to increase or decrease volume. Also used in conjunction with the PICTURE and SET UP operations.

6. CHANNEL DOWN (▼), UP (▲) BUTTONS

Press to view the next higher or lower channel stored in memory. These buttons are duplicated on the Remote Control and TV SET.

7. MUTE BUTTON

Press to temporarily reduce sound to minimum level. Press again to restore sound.

8. STATUS BUTTON

Press repeatedly to cycle between a user-adjustable picture and different preset picture balances.

9. TV POWER BUTTON

Press to turn the system ON/OFF. This button is duplicated on the Remote Control and TV SET.

10. DISPLAY BUTTON

Press to display the channel number of the program you are viewing and the setting of the SLEEP TIMER.

11. QUICK VIEW BUTTON

Press the QUICK VIEW button to switch between the current and the previously viewed channel. The system must be in TV mode for this to function.

12. 100 BUTTON

This model is not supplied 100 button function.

13. PICTURE BUTTON

Press repeatedly to call up the desired on-screen picture control (Contrast, Brightness, Sharpness, Color, Tint).

14. SLEEP BUTTON

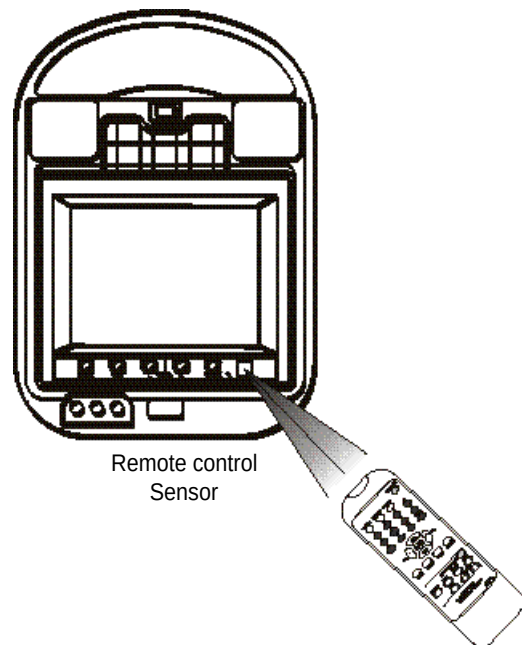
Sets the TV to automatically power off in 15-180 minutes.

15. CONTROL BUTTONS FOR VCP

These 8 buttons will control KEC Mobile Applications Video Cassette Players.

16. BATTERY COVER

REMOTE CONTROL USE



NOTES :

- ☞ Remote control should be directed at the remote control sensor on the TV.
- ☞ The maximum operating distance of the remote control is about 10 feet from the front of TV set.
- ☞ The remote control should be kept away from UV exposure which may disrupt its operation.
- ☞ It may be difficult to receive remote control signal when UV is present. In this case, operate it closer to the remote control sensor.

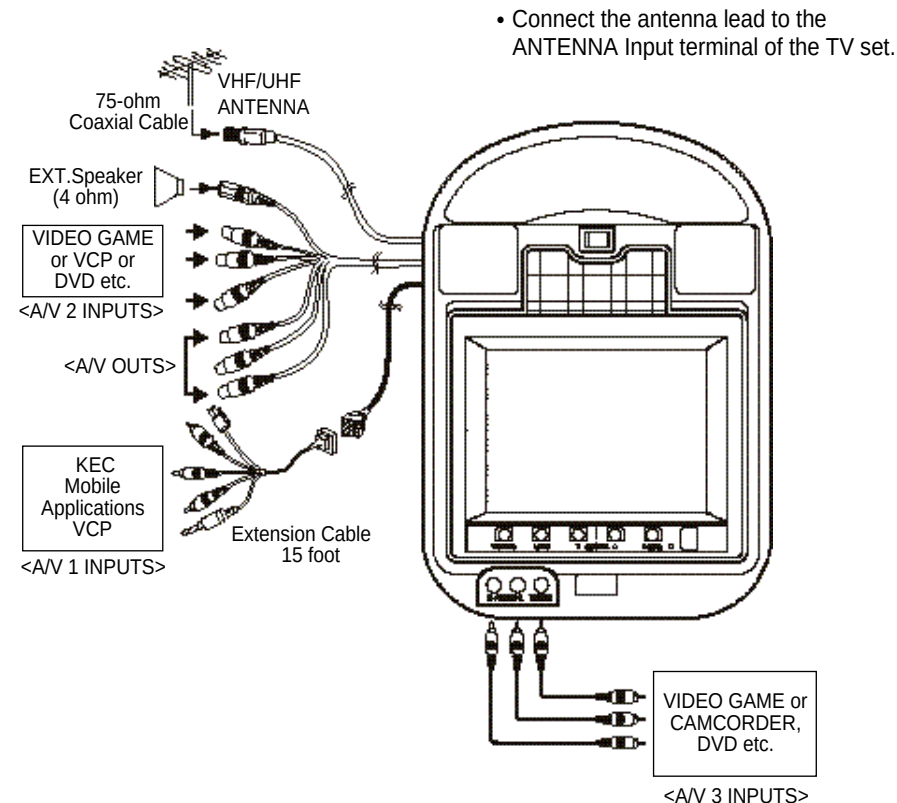
REMOTE CONTROL BATTERY INSTALLATION

It is time to replace the batteries when the remote control is not working properly.
Replace with new batteries (Alkaline batteries usually last for 6 months to 1 year.)

- ☞ Press and push the battery compartment cover in the direction of the arrow and lift off.
- ☞ Correctly install new batteries, noting the correct (+ / -) polarity shown in the compartment.
- ☞ Use only new AAA batteries of the same type.
- ☞ If batteries become exhausted, remove them immediately to avoid leakage.
- ☞ Should battery leakage occur, clean the battery compartment with a soft cloth and replace with new batteries.

CAUTION : Avoid dropping the remote control.

SIGNAL CONNECTION



- Connect the antenna lead to the ANTENNA Input terminal of the TV set.

- Prior to making any connections to your LVS SYSTEM, be sure to turn POWER off.
- For a more detailed understanding of each connection, it is recommended that you read the instruction manual supplied with each connected component.
- The following shows one possible example of connections for external equipment.
- To view connected AV1
select VIDEO 1 by pressing the TV/VIDEO button on the Remote Control or button on the TV set.
- To view connected AV2,3
select VIDEO 2,3 by pressing the TV/VIDEO button on the Remote Control or button on the TV set.

SIGNAL CONNECTION

AUDIO SYSTEM

- Audio output is Monophonic when receiving on-air broadcast signals.
- Audio output is Stereo when a stereo audio signal is fed from external audio equipment that is connected to the [selected] AV1 or AV2, AV3 Input terminals.
- The SPEAKER JACK terminal is a high level output whose sound level is Variable up to 0.7W maximum when connected to a 4-ohm speaker.

VIDEO SYSTEM

- This model incorporates 3 sets of AUDIO/VIDEO INPUTS (AV1 & AV2, AV3 for direct connection of 3 external program sources (Video Game, Camcorder, Video Player, etc.).
- Direct connection results in superior video quality from the connected program sources.
- Refer to the instruction manual supplied with each external instrument for details.

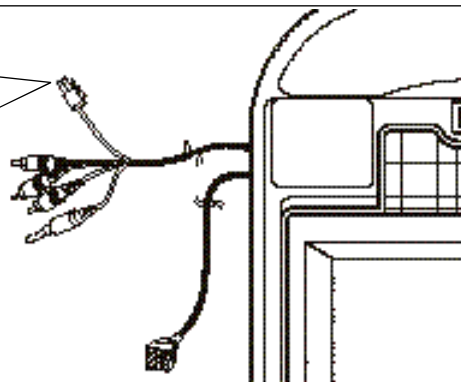
POWER CONNECTION

CONNECTING TO CAR POWER

NOTE : The cable assembly used to connect the LSM64 to the 12-Volt power supply varies depending on product packaging.

FROM
CAR BATTERY

RED : DC12V
BLACK : GROUND



POWER Connections

RED : +12V DC

BLACK : GROUND

NOTE

MANUFACTURER : TEASUNG ELECTRIC CO.,LTD. TYPE# : AWM STYLE 1015

WARNING

The DC Battery Cord is ONLY for use with this model.
Do not use it to power any other product

DOMELIGHT CONNECTION

Red, Brown, White and Leads

These leads provide power for the dome light circuit. The LSM64 is configured to be used with vehicles that use a “negative” type door circuit. However, the LSM64 can be reconfigured for vehicles that use a “positive” type door circuit. Most import and domestic vehicles utilize a “negative” circuit. Ford and Lincoln/Mercury vehicles are usually “positive” type circuits. Check your specific vehicle for the type of circuit it utilizes before proceeding with the installation.

(1) “NEGATIVE” Type Door Circuit

Red wire - 12 volt constant power.

Brown wire - Chassis ground.

This wire provides a ground to the dome light circuit when the three (3) position switch is in the “on” position. If this wire is not connected the dome light will not operate when the switch is in the “on” position.

White wire - Negative door switch.

This wire connects to the negative door switch. This wire should be located in the head liner where the factory dome light was removed. When one of the doors are opened on the vehicle this wire will have continuity (shorted) to ground.

(2) “POSITIVE” Type Door Circuit

Red wire - Chassis ground.

Brown wire - 12 Volt constant power.

A constant power lead may have to be run up to the head liner area for this connection. Check all wires for constant power that were attached to the factory dome light.

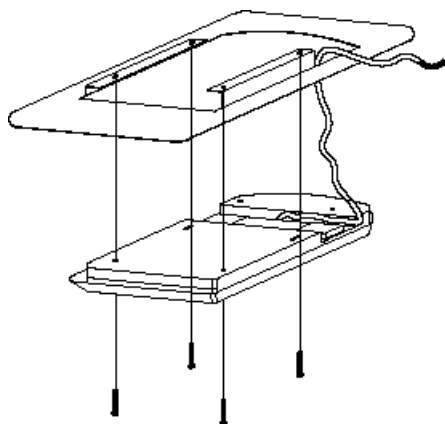
White wire - Positive door switch.

This wire attaches to the positive door switch wire. This wire should be located in the head liner area where the factory dome light was removed. When one of the doors are opened on the vehicle this wire will have 12 volt power on it.

SET UP FOR CAR USE

1. LCD TV ASSEMBLY

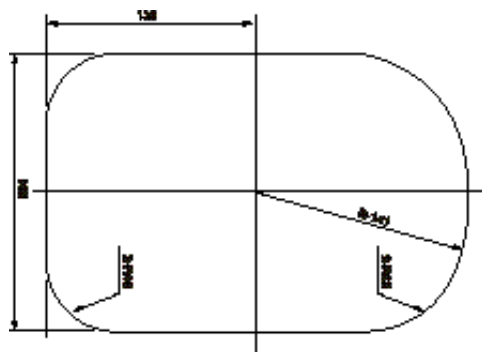
- Install LCD A ssembly with 4 screws.



NOTES:

The DC Power plug should not be accessible to the consumer.
When the components are mounted with screws, be certain that the thickness of the mounting material is as follows:
Wood : 10mm or more.
Metal : 3mm or more.
Plastic : 4mm or more.

2. LCD MONITOR HOLE DIMENSIONS



WARNING

UNDER NO CONDITION SHOULD THE LCD DISPLAY BE MOUNTED IN ANY POSITION WHERE A PICTURE MIGHT BE VISIBLE TO THE DRIVER. EVEN IN THOSE CASES WHERE SUCH AN INSTALLATION IS NOT PROHIBITED BY LAW, DOING SO MIGHT INCREASE THE LIKELIHOOD OF A SERIOUS ACCIDENT.

TV OPERATION

INITIAL PREPARATIONS

- Insert batteries into the Remote Control unit by following the "REMOTE CONTROL USE" section in this manual.
- Connect the DC Cord to 12-Volt Power by following the "POWER CONNECTION" section in this manual.

BASIC OPERATION PROCEDURE

- (1) Press **POWER** button on the TV or on the remote control.

- (2) Press **TV/VIDEO** button

On the TV or on the remote control to select the desired mode.(TV, VIDEO 1, VIDEO 2, VIDEO 3).

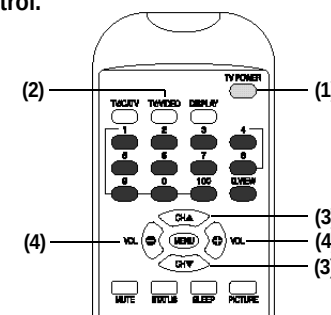
- (3) Select desired channel

Using the CHANNEL $\nabla/\blacktriangle$ buttons on the TV or on the remote control.

Pressing the $\blacktriangle$ buttons advances to higher channels, ∇ button to lower channels.

Channels can be selected directly by using the 10-digit Keypad on the Remote Control.

Examples : To select Channel 5, press "0" first, than press "5". (Be sure to press "0" first).



- (4) Press **VOLUME ($\blacktriangle/\nabla$)** button

On either the Remote Control or on the TV SET to adjust volume to your desired listening lever.

In case of TV SET.

Press the "MENU" button and select "VOLUME" option, then press the CHANNEL $\blacktriangle/\nabla$ button.



The volume level is indicated on the screen by reference number (0-63) and by bar scale as shown.

NOTE : The volume level can be muted instantly by pressing MUTE button on the Remote Control. See "MUTE Button" on page 22.

SET UP BUTTON

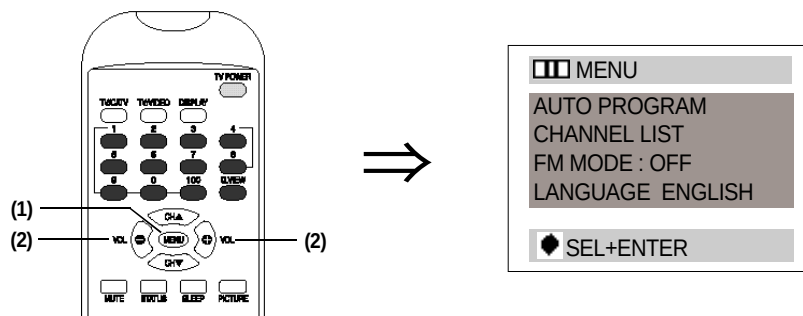
On-Screen Display

- When the on-screen display appears on the screen, it will disappear after several seconds.
- The On-screen display may be unclear, shaky, or blurred when the System is in TV Mode and tuned to a channel where no program is being broadcast.
- The On-screen display may be shown with or without a black background (except for Channel number).

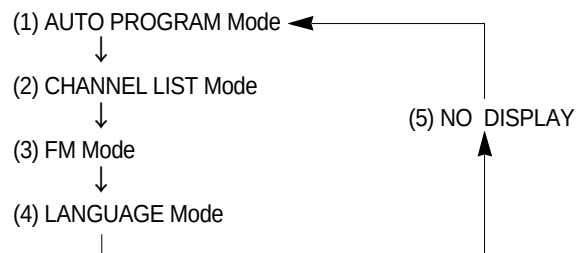
The MENU function allows you to perform basic settings for TV and Monitor status.

- Press the MENU button on the Remote Control.

The first time it is pressed, the following display appears on the screen.



- Press the MENU button repeatedly to select the desired item for adjustment. Each time the button is pressed, the magenta-colored portion shifts in the order shown below to indicate that the colored item in the list can be adjusted.



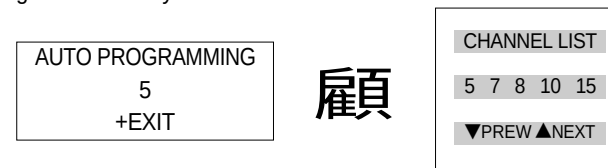
- After selecting the desired mode, press VOLUME (▲) button on the Remote Control.

SET UP BUTTON

(1) AUTO PROGRAM

This function allows automatic memorization of all the active TV or Cable channels in your viewing area. Once memorized, channels viewing CHANNEL LIST.

To activate AUTO PROGRAMMING, press the SET UP Button until "AUTO PROGRAM" is selected, then press the VOLUME (▲) button. The following display will appear and the program set-up procedure will begin automatically.



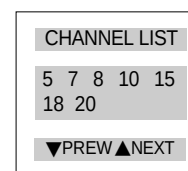
All possible channels will be rapidly scanned and all active channels will be memorized.

- Note that very weak broadcast signals will not be memorized.
- If you wish to stop the Auto Programming procedure before it is finished, press the VOLUME (▲) button.

(2) CHANNEL LIST

1. To delete a channel from memory

- Activate CHANNEL LIST by pressing the SET UP Button until "CHANNEL LIST" is selected, then press the VOLUME (▲) button. The following display will appear.



- Press the CHANNEL(▲/▼) buttons or the 10-digit keypad buttons to select. want to erase.

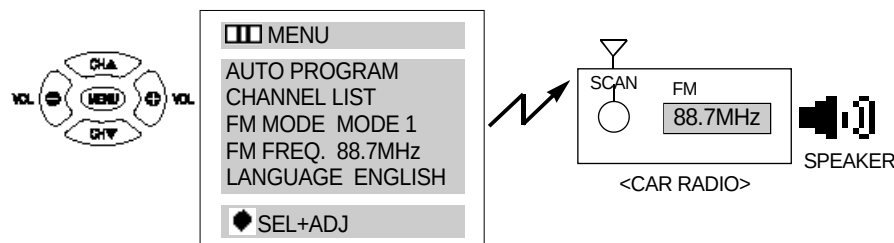
SET UP BUTTON

(3) FM MODE & FM FREQUENCY

- Function to be able to listen to audio signal captured by TV set with car radio through FM antenna

Procedure

1. Press the MENU button repeatedly to select the "FM MODE" item
 2. Press the VOLUME (▲) button to cycle the on-screen menu between "OFF" "MODE1" and "MODE2".
 3. If FM MODE1 selected, "FM FREQ" can select 4 signal areas.
(88.3MHZ, 88.7MHZ, 89.1MHZ, 90.3MHZ)
 4. If FM MODE2 selected, "FM FREQ" can select signal area from 88.3MHZ to 95.0MHZ by 100KHZ unit.
 5. Set the signal you want in TV Set. Then IF you set the CAR Radio signal same as TV Set signal, you can listen to the broadcasting of TV Set through Car Radio.
- Example - Receiving Audio through FM 88.7MHZ



NOTE

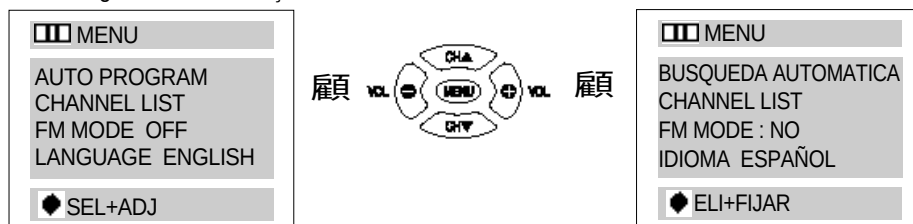
Please install the antenna cable position to the same direction with installed CAR antenna direction. Do not adjust "LA01" coil for option FM frequency setting. It was adjusted in the factory for best condition.

(4) LANGUAGE

The on-screen displays can appear in your choice of 4 languages - English, Spanish, Portuguese or French.

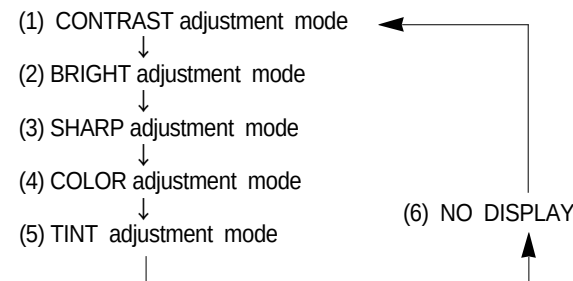
Procedure :

1. Press the MENU button
2. Press the VOLUME+ button to cycle the on-screen menus between "ENGLISH", "Español", "Português" and "FRANÇAIS".



PICTURE BUTTON

- The PICTURE button on the Remote Control selects the modes for picture adjustment.
 - Press the PICTURE button on the Remote Control
 - Press the PICTURE button repeatedly to select the desired item for adjustment.
- Each time it is pressed, the magenta-colored portion shifts in the order shown below to show that the colored item in the list can be adjusted.

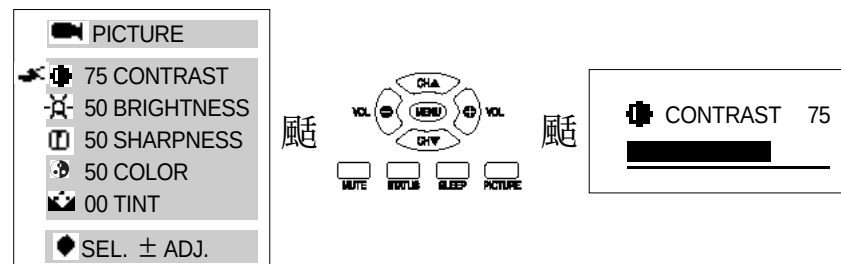


- After selecting the desired mode, press VOLUME (▼/▲) buttons on the Remote Control (or on the TV SET) to adjust it to your preference according to the chart below.

VOL ▼	ITEM	VOLUME▲
LIGHT	CONTRAST	STRONG
DARK	BRIGHT	BRIGHT
SOFT	SHARP	SHARP
SUBDUED	COLOR	VIVID
REDDISH	TINT	GREENISH

Example - Adjusting CONTRAST :

1. Press the PICTURE button on the remote control. The PICTURE menu will be displayed.
2. If the arrow cursor is not already pointing to CONTRAST, use "PICTURE" button to select it



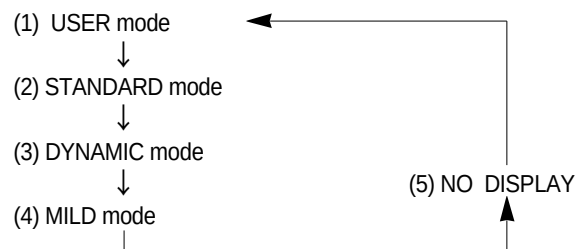
NOTE ON THE PICTURE FUNCTIONS:

Color LCD screens operate differently than conventional color picture tubes. As you operate the picture adjustments you will notice less dramatic changes in picture appearance than would occur with a conventional picture tube. This is especially true of the CONTRAST control. Also note that as the BRIGHT control is adjusted, the contrast of the picture automatically varies

STATUS BUTTON

By pressing the STATUS button on the Remote Control, you can sequentially select any one of four possible preferred picture settings.

- As this button is repeatedly pressed, the mode will be changed as follows.



MODE	PICTURE
USER	Select this mode to view a picture that you adjust to your own personal taste.
STANDARD	Select this mode to restore picture adjustments to the normal factory-preset mode.
DYNAMIC	Select this mode to view a powerful and clear picture. Intended especially for viewing in brighter(daylight)environments.
MILD	Select this mode to view a milder picture. Intended especially for viewing in darker (nighttime) environments or to lessen eye fatigue.

MORE USEFUL FUNCTIONS

(1) QUICK VIEW Button

Press the Q. VIEW button on the Remote Control.

Q. VIEW



The previously viewed channel will appear on the screen.
Press Q. VIEW again to switch back to the original channel.
Repeatedly pressing Q. VIEW switches between these two channels.

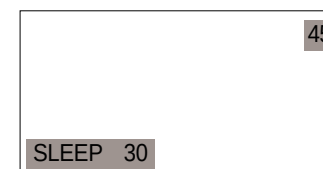
(2) DISPLAY Button

Press the DISPLAY button on the Remote Control.

DISPLAY

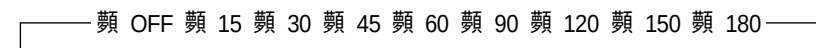


The channel number of the program you are now viewing and the setting of the SLEEP TIMER are displayed as shown



(3) SLEEP Button

You can select a time period between 15 and 180 minutes after which the television will automatically switch to power-off mode.
Repeatedly pressing the SLEEP button on the Remote Control cycles the SLEEP time as shown below.



NOTE :

To cancel the sleep timer function, press the SLEEP button repeatedly until the word "SLEEP OFF" is displayed.

MORE USEFUL FUNCTIONS

(4) MUTE Button

Press the MUTE button on the Remote Control.
The audio from the program being viewed will be reduced almost to zero and "VOLUME 0" will appear on the screen.



Pressing the MUTE button again will restore the audio to its original level.

(5) NOISE TIME Mode(Automatic power shut-off)

If the system is not switched off when the TV Station stops broadcasting, (or a videotape program ends), it will automatically go to power off mode after approximately 15 minutes.

RECEPTION DISTURBANCE

The most common types of television interference are as follows :



IGNITION NOISE:

Black spots or horizontal lines may appear, picture may flutter or drift. Usually caused by interference from automobile ignition systems, neon lamps, electric drills and other electric appliances.



GHOSTS :

Ghosts are caused by the television signals following two paths. One is a direct path and the other is reflected from tall buildings, hills or other objects. Changing the direction or position of the antenna may improve the reception.



SNOW :

If you are located on the fringes of a television reception area, the signal will be weak, and your picture may contain many small dots. When the signal is extremely weak, it may be necessary to install an external sensitive antenna to improve the picture.



RADIO FREQUENCY INTERFERENCE :

This interference produces moving ripples or diagonal streaks, and in some cases causes loss of contrast in the picture.

IMPORTANT NOTE :

WHEN USED IN A VEHICLE, THIS SYSTEM IS INTENDED PRIMARILY AS A MONITOR FOR A VIDEO CASSETTE PLAYER, VIDEO GAME, OR CAMERA. TELEVISION BROADCAST RECEPTION WILL BE ADVERSELY AFFECTED BY CONDITIONS SUCH AS MOTION, CHANGE OF DIRECTION, ATMOSPHERIC ACTIVITY, AND LOCAL SURROUNDINGS. IT IS THEREFORE LIKELY THAT BROADCAST PICTURE QUALITY WILL BE MARGINAL WHEN THIS SYSTEM IS USED IN A MOBILE ENVIRONMENT.

TROUBLESHOOTING GUIDE

Before requesting service, please refer to the following chart for the symptom and possible solution.
For more information, see the corresponding page in this manual.

SYMPTOM	CHECKING POINTS
No image, no sound	- The cigar plug or power plug is connected properly? (page 12) - A 24V car is connected? (page 12) - TV/VIDEO is selected properly? (page 15) - Any connection with other equipment is proper? (page 12)
Sound but no image	- Contrast or brightness is adjusted properly? (page 19) - The connection with other equipments and cord are normal? (page 12)
Image with big noise	Antenna cable is connected properly? (page 11)
No sound	- Volume level is at minimum? (page 15) - Is it in MUTE mode? (page 22) - The connection with other equipments and cord are normal? (page 12)
Unclean color	COLOR & TINT are adjusted properly? (page 19)
Unstable screen and noise	- Antenna cable is connected properly? (page 11) - Antenna is located properly? (page 11)
Spots on the screen	Is there any interfering frequency from car, sub-train, high voltage wire?
Ripple on the screen	Is there any interfering frequency from FM radio or wireless telephone?
Two layered image on a CH	- Antenna is located properly? (page 11) - Is there any affect by reflected frequency from a mountain or a building?
Remocon not operating well	- Remote control is directed to the remote control sensor on the TV? (page 10) - Is there any obstacle between remote control and remote control sensor (page 10) - Remote control is in working distance? (page 10) - Battery is consumed or inserted properly? (page 10)
Power-OFF	- It is in no-signal condition for 15 min or more? (page 6) - Power plug has a faulty connection? (page 13)
No broadcast reception above channel 13	- Make sure TV/CATV mode is set to TV. - If using antenna, check UHF antenna connections.

NOTICE : If you need any information, please contact KEC/KTV directly at:
Outside New Jersey : (800) 524-1216 From New Jersey : (973) 470-9191

SPECIFICATIONS

MODEL NO	LSM64
TELEVISION SYSTEM	NTSC-M
RECEIVING CHANNELS	VHF 2~13CH, UHF 14~69CH,
ANTENNA IMPEDANCE	75 Ohm
DISPLAY SCREEN	
DISPLAY SIZE	6.4 INCH (H 130.6mm×V 97.3mm)
DRIVE METHOD	TFT ACTIVE MATRIX
DISPLAY FORMAT	960 Horizontal by 234 Vert. PIXELS
	RGB STRIPE ARRANGEMENT
COLOR DEPTH	FULL COLOR
POWER SOURCE	DC 12 VOLT (CAR BATTERY)
POWER CONSUMPTION	11W APPROX (at DC 12 VOLT)
VIDEO 1,2,3 INPUT LEVEL	1.0±0.2Vp-p (75Ω UNBALANCED)
VIDEO OUTPUT LEVEL	1.0±0.2Vp-p (75Ω UNBALANCED)
AUDIO 1,2,3 INPUT LEVEL	400±50mVrms
SOUND OUTPUT LEVEL	
-AUDIO (R/L)	400±50mVrms, 600Ω (Fix)
-EXT SPEAKER(MONO)	0.7WATT, 4Ω (Variable)
STORAGE TEMPERATURE	−30°C ~ 80°C
OPERATING TEMPERATURE	−10°C ~ 60°C
OPERATING HUMIDITY	35% ~ 80%
DIMENSION	(W)208.0×(H)42.0×(D)295.0
BOX DIMENSION	(W)455.0×(H)138.0×(D)358.0
NET WEIGHT	2.0Kg
ACCESSORIES	
	REMOTE CONTROL TRANSMITTER (TV + VCP)
	EXTENSION CABLE Length=4.5Meter
	BATTERY (1.5V AAA TYPE × 2)
	CABLE ASS'Y
	OWNER'S MANUAL
	WARRANTY CARD
	SAFETY TIPS

NOTE: THE DEVICE DOES NOT FULLY COMPLY WITH THE FEDERAL COMMUNICATIONS STANDARDS FOR CABLE READY CONSUMER ELECTRONICS EQUIPMENT.