

# Haier

## **15"17"20"LCD TV / MONITOR**

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### **USER'S MANUAL**

- TFT-LCD TV ● High Brightness & Contrast ● NICAM/A2 Stereo Sound

Please read this manual carefully before using your television and keep this manual in a good place for future reference.

MODEL:  
L15SV6-A0, L17LV6-A1, L20AV6-A0  
L17L6A-G1, L20L6A

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## 1 Introduction

Thank you very much for your purchase of our product of LCD TV/Monitor. It serves as a normal color TV and PC monitor. To enjoy your set to the full from the very beginning, read this manual carefully and keep it handy for ready reference.

## INSTALLATION

Locate the receiver in the room where direct light does not strike the screen. Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing. Allow enough space between the receiver and the wall to permit ventilation. Avoid excessively warm locations to prevent possible damage to the cabinet or premature component failure.

This TV receiver can be connected to AC 100-220 Volts. 50/60 Hz.

Never connect to DC supply or any other power supply.

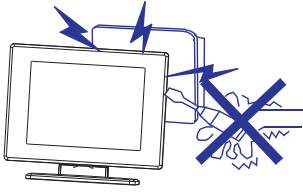
Do not install the receiver in a location near heat sources such as radiator, air ducts, direct sunlight, or in a place somewhere like close compartment and close area.

Do not cover the ventilation openings when using the set.

## CAUTION

Never tamper with any components inside your set, or any other adjustment controls not mentioned in this manual. The LCD panel is a very high technology product with over 900000 thin film transistors, give you fine details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.

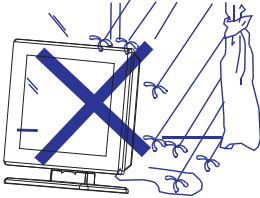
## 2 Warnings and Cautions



### Warning

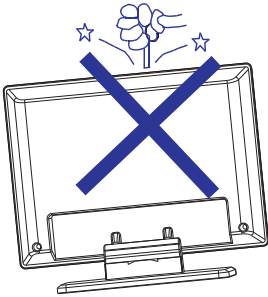
High voltages are used in the operation of this product.

Do not remove the cabinet back from your set. Refer servicing to qualified service personnel.



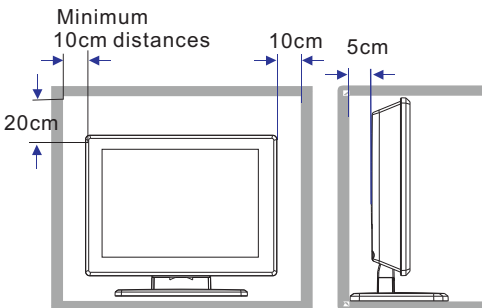
### Warning

To prevent fire or electrical shock hazard, do not expose the main unit to rain or moisture.



### Warning

Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.

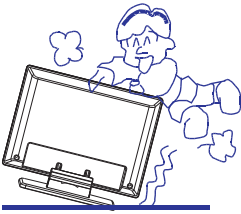


### Caution

If the television is to be built into a compartment or similarly enclosed, the minimum distances must be maintained.

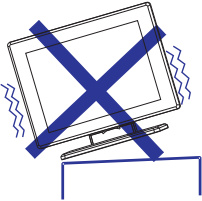
Heat build-up can reduce the service life of your television, and can also be dangerous.





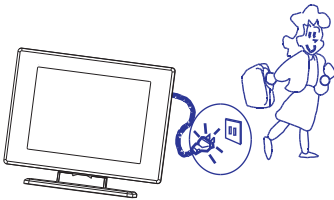
**Caution**

Never stand on, lean on, push suddenly the product or its stand. You should pay special attention to children.



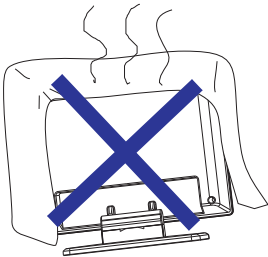
**Caution**

Do not place the main unit on an unstable cart stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it should fall.



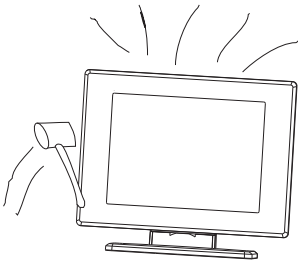
**Caution**

When the product is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.



**Caution**

Avoid exposing the main unit to direct sunlight and other source of the heat. Do not stand the television receiver directly on other products which give off heat. E. g. video cassette players, Audio amplifiers. Do not block the ventilation holes in the back cover. Ventilation is essential to prevent failure of electrical component. Do not squash power supply cord under the main unit.

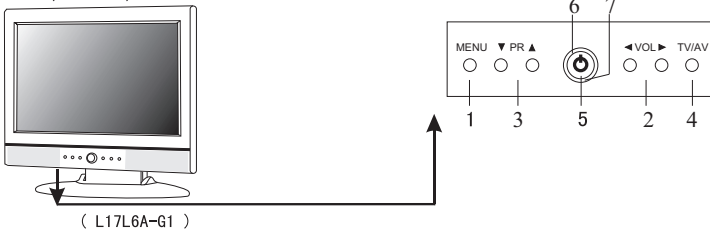
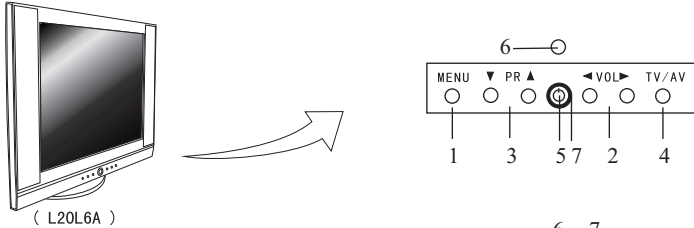
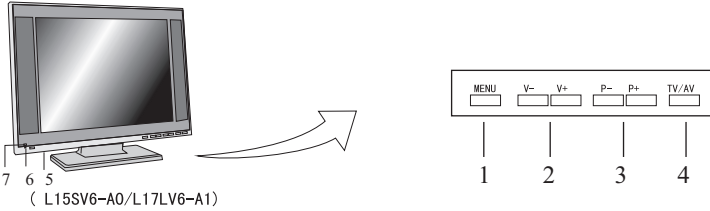
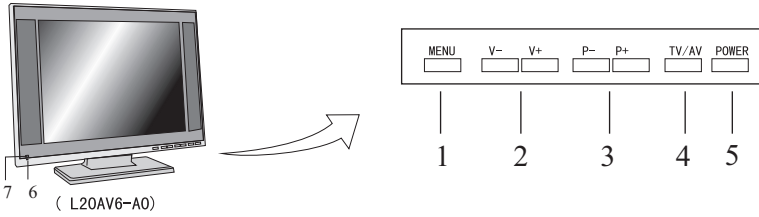


**Caution**

The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LCD panel breaks.

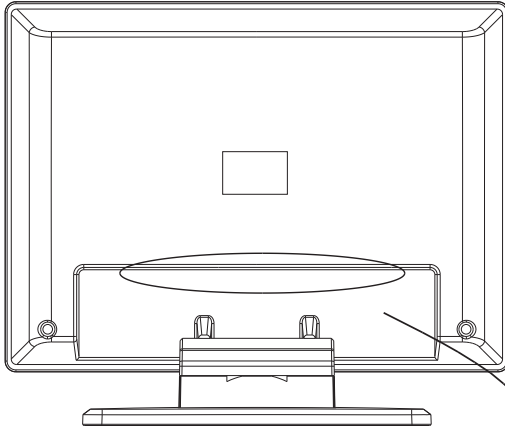
# 3 Main Unit Descriptions

## FRONT CONTROL PANEL

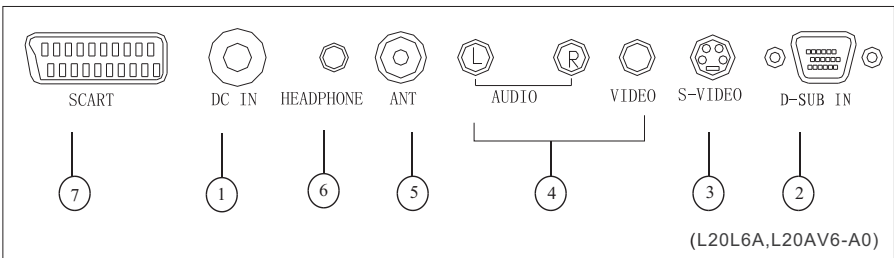
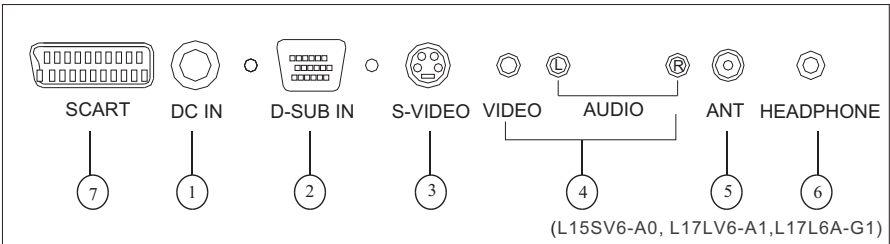


- 1 **MENU** Display the menu.
- 2 **V- V+ ( volume down /up button)**  
Adjust the volume or change the menu set.
- 3 **P- P+ (programme number down/ up button)**  
Select a channel or select an option in the menu.
- 4 **TV/AV** To exchange between TV and other available video inputs
- 5 **Power** Turns the TV set on/off.
- 6 **Power Indicator** When the main power is turned on, the indicator is on.
- 7 **Remote Sensor**  
Receiving remote controller sends the infrared remote signal.
- 8 **Video** Video input terminal.
- 9 **Audio** Audio input terminal.

**BACK COVER INTERFACE**



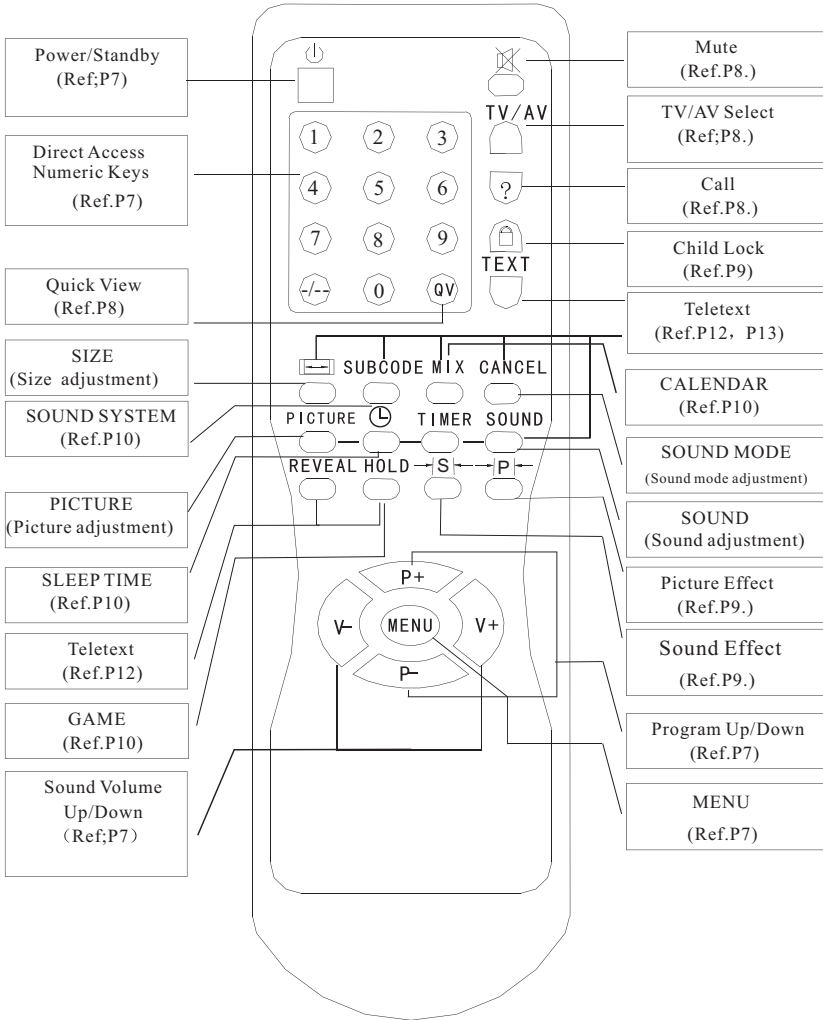
(The figure is just for reference, please see the real.)



1. DC power cord socket
2. VGA input socket
3. S-VIDEO input socket
4. AV input socket
5. Antenna input socket (75 Ω)
6. Headphone output socket
7. SCART input socket

# 4 Remote Control Hand Unit

Please refer indicated pages.



## 5 Control Your TV

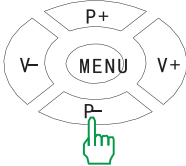
### 5-1 Power On/Off



A blue indicator lights when the power is on and a red indicator lights when in the standby mode. With Mains status On, you can also turn off using Remote Control Hand Set. This status is called Stand-By mode. In this mode, You can also turn ON.

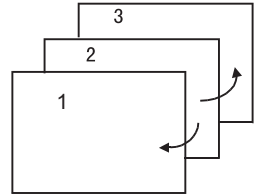
※The TV has an Automatic Power OFF function. With No Signal condition, the TV will automatically turn OFF after 10 min.

#### 5-2

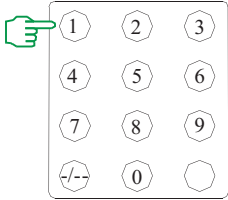


#### Program Up/Down

Push [P+] key, to change Program Up  
Push [P-] key, to change Program Down.



#### 5-3



#### Direct Access Tuning

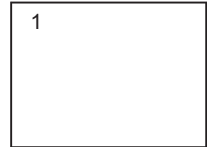
Using the numeric keys on Remote Control Hand Piece, Channels can be selected directly, for 0 to 199 channels.

Or repeatedly press the “-/--” button, to select the desired mode then press numeric buttons.

“-” 1 digit mode

“- ” 2 digit mode

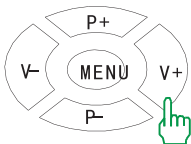
“- - ” digit mode (MaxCh. 199)



Each time after selecting a program, it will automatically turn back to one digit mode, and press [-/--] to choose two or three digits before pressing number keys [0]~[9]: the program digits. In the state of two digits entering, the program will come back to the present one, only when the second number is not entered within 3 seconds after the first number's entering. While in three digits entering, the first digit will automatically be 1, and the program will come back to the present one, only when the third number is not entered within 3 seconds after the second number's entering.

#### 5-4

#### Volume Control



Push [V+] key, for Volume Up  
Push [V-] key, for Volume Down  
the range is 0~100



#### 5-5

#### MENU

Push [MENU] key continuously, to scroll through the MENU selection, as follows.



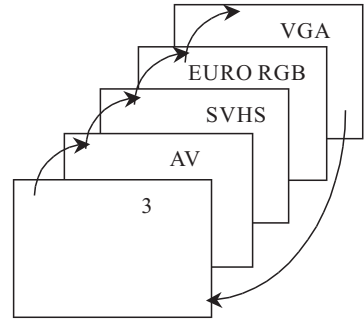
PICTURE → SOUND → SETUP → TUNING → TIME → exit menu status



## 5-6 TV/AV Selection



You can select your video source by the [TV/AV] key.

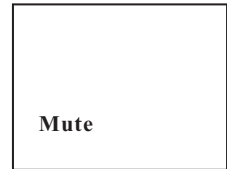


## 5-7 MUTE



By pushing this key, sound output will be muted.

Push [MUTE] again, or Volume Up/Down, and sound Volume will return.



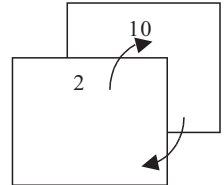
## 5-8 QUICK VIEW



**IN TV Mode:** Program will be quickly switched back to the previous Program viewed.

**IN AV Mode:** Back to TV channel

**IN VGA Mode:** functionless



## 5-9 CALL

The number is the program number.

When program number is green, mean its

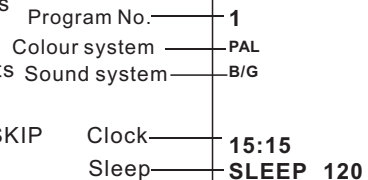
SKIP Is OFF, and AFT is ON;

When program number is yellow, mean its

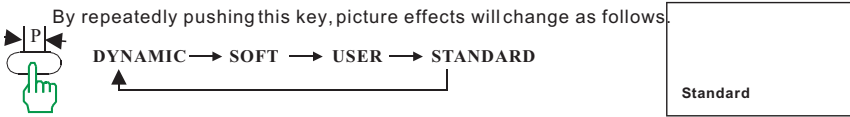
SKIP is OFF , and AFT is OFF;

When program number is red, mean its SKIP is ON.

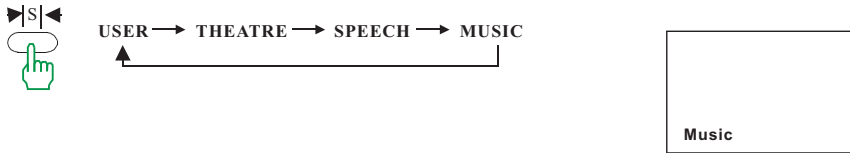
- AUTO means COLOUR SYSTEM
- DK means sound processing system.
- SLEEP will not show only after the sleep function is setup; the present time will be shown, when sleep function is not setup.
- When present program is locked, then a mark as a lock will display, and the screen is blue, otherwise, the screen displays pictures as normal without lock mark.



## 5-10 Picture Effect



## 5-11 SOUND EFFECT



## 5-12 LOCK



By pushing this key, LOCK menu will Appear on the screen.

While entering this menu, the cursor will stay in the password, then input the password of child lock firstly, after which press [P+]/[P-] to enter other items and then press [V+]/[V-] to adjust its value. The original password is 0000.

- CHILD LOCK:** When LOCK in TUNING of MENU is on, the setup of CHILD LOCK is functional, otherwise, the following setup is functionless. When CHILD LOCK is ON, it locks the present program, it will automatically jump over this program. And if press number key [0]~[9] to choose this program, the following OSD will show.

Lock	
Child Lock	Off
AV Lock	Off
Vol Limit SW	Off
Volume Limit	100
Change Password	



CHANGE PASSWORD	
New Password	----
Confirm	----

**AV LOCK:** When It is setup as ON, AV is locked. Then if press [TV/AV] the following OSD will show.

- VOL LIMIT SW:** When it is OFF, VOLUME LIMIT is functionless; when it is ON, it controls the sound volume together with VOLUME LIMIT.
- VOLUME LIMIT:** Setup the upper limit of the volume adjustment. While VOL LIMIT SW is ON, the VOLUME LIMIT will be the max of sound. While VOLLIMIT SW is OFF, the sound adjustment is not limited.
- CHANGE PASSWORD:** Press [V+]/[V-] to change password. Enter a new password in NEW PASSWORD item, and enter again in CONFIRM item. The same entering for twice will change the password, different entering will back to the NEW PASSWORD item.

## 5-13 Sleep



Control the auto time of turn off.

Press [ ], then the auto turn-off time will change as  
Following: 120→90→60→50→40→30→20 →15→10→5→0→120,  
among which 0 means to quit this function.

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## 5-14 SOUND SYSTEM

SUBCODE



Double entry function key. While watching TV program, it  
can be used to choose the sound processing system BG→  
DK →I→BG ,After entering the text mode, it carries out the  
SUBCODE function in the text.

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## 5-15 CALENDAR (Non teletext mode)

MIX



Double entry function key. While entering the  
mode of text, it is used to carry out or quit the  
mixing display mode of text. It is turn on/off key  
while not in the mode of text, its function is to enter  
or quit calendar mode. While in the mode of  
calendar , press [V+]/[V-] to adjust month, press  
[P+]/[P-] to adjust year, the range of calendar is  
between year 1900 and 2100.

### Calendar

2004 06

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

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## 5-16 TEXT

TEXT



Switch TV into text mode.

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## 5-17 HOLD (Non teletext mode)

HOLD



Double entry function key. While entering the mode of text,  
it can be used to stop or allow the page changing. While in the  
mode of game Press [MENU] to restart game while in game.  
Press [GAME] or [CALL] to quit.

---

## 5-18 Sound mode (Non teletext mode)

CANCEL



By repeatedly pushing this key, sound effects will change as follows:  
A2 mode:

FM→STEREO →FM or DUAL I →DUAL II → DUAL I

NICAM mode:

FM →STEREO → FM or FM→ DUAL I→ DUAL II → FM

## 6 Tuning Procedure

**6-1 Auto Search Function:** Automatic Search and Memory (ASM) is available for program installation from Antenna input.

Using [MENU] key on the front or [MENU] key on the Remote for ASM.

- Push [MENU] key repeatedly to select "TUNING"
- Push [P+] or [P-] key, to select "AUTO SEARCH"
- Push [V+] or [V-] key, to start ASM .  
and memorize into program list (0~199).
- Wait until function has finished.

Tuning	
Program Number	2
Skip	Off
Lock	On
Auto Search	
Search	
Fine Tune	
AFT	On
Exchange	

**6-2 SEARCH Function:** Manual Search for Antenna input.

- Push [MENU] key repeatedly to select "TUNING" .
- Using [P+] or [P-] key, select "PROGRAM NO" .  
Using [V+] or [V-] or numeric keys to change Program Number.
- Push [P+] or [P-] key to select "SEARCH" .
- Push [V+] or [V-] key to start search.
- Wait until function has finished.

**6-3 FINE TUNING Function:** Fine Tuning for current setting.

- Push [MENU] key repeatedly to select "TUNING" .
- Using [P+] or [P-] key, select "PROGRAM NO" .  
Using [V+] or [V-] change Program Number.
- Using [P+] or [P-] key, select "FINE TUNE" .
- Using [V+] or [V-] key, adjust for best tuning.

**6-4 SKIP Function:** Use to "SKIP" Channels. After setting to "ON" , the channel will not be selected by Channel Up/Down keys.

- Push [MENU] key repeatedly to select "TUNE"
- Using [P+] or [P-] key, select "PROGRAM" . Using [V+] or [V-] key, change POSITION.
- Using [P+] or [P-] key, select "SKIP" . Using [V+] or [V-] key, select "ON" or "OFF" .

**6-5 EXCHANGE Function:** number and channel exchange. Push [MENU] key repeatedly to select "TUNING" Using [P+] or [P-] key, select "EXCHANGE"

- Using [P+] or [P-] key, select "PROGRAM No" .  
Using [V+] or [V-] key, change PROGRAM 1 number.
- Using [P+] or [P-] key, select "CHANGE TO" . Using [V+] or [V-] key, change number.
- Using [P+] or [P-] key, select "EXCHANGE" . Using [V+] or [V-] key, exchange is over.

Exchange	
Program No.	2
Swap to	2
Exchange	

**6-6 AFT Function:** Auto frequency fine tune ON/OFF.

**LOCK Function:** When it is OFF, child lock is functionless; when it is ON, it could lock the present program.

## 7 TELETEXT Operation

### 7-1 SELECT TELETEXT MODE

Select the Program which is broadcasting the TELETEXT you want to watch.

Press **[TEXT]** key on the remote control and enter to TELETEXT mode.

By this Key, mode will be changed as



The overview station page or the last page viewed (in case you already watched TELETEXT at this channel previously) appears.

If you need to return to TV mode, press again the **[TEXT]** key on the remote control.

### 7-2 PAGE SELECTION

You can enter directly desired page number with the remote control numeric keys 0~9 buttons.

You can sequentially select page by pressing **[P+]** or **[P-]** key.

### 7-3 HOLD

Some TELETEXT information is contained on more than one page, the pages automatically changing after a given reading time.

Press **[HOLD]** button to stop the page changing (the STOP symbol will appear on the page heading).

Press **[HOLD]** button again to allow the page to change (the STOP symbol will disappear).

### 7-4 REVEAL

Some TELETEXT pages contain quiz or game questions with hidden answers.

Press the **[REVEAL]** button to see the answers.

Press the **[REVEAL]** button again to hide the answers.

### 7-5 SIZE (T/B/F Top/Bottom/Full)

To enable easier reading (larger display).

Press the **[SIZE]** key to display the **TOP HALF** of the page.

Press again to display the **BOTTOM HALF** of the page.

Press again to return to a **FULL PAGE** display.

**Note: changing pages reverts to a FULL PAGE display.**

### 7-6 CANCEL

When a page is selected in TELETEXT mode it may take some time before it becomes available, pressing the **[CANCEL]** key will switch to the TV mode.

When the required page is found the page number will appear at the top of the TV picture, press the **[CANCEL]** key to return to the selected TELETEXT page.

**Note: You cannot change TV program while in this mode.**

## 7-7 TIME

TELETEXT broadcasts sometimes transmit certain pages of information at particular times. To automatically display these pages when they are transmitted, select the required page number then press [ ] key the symbols T\*\*\*\* are displayed at the top of the screen, now enter the time of the broadcast Timed Page.

example: - for 3:30 PM select 1 5 3 0 in order (24 HR clock)

Press the [CANCEL] key to view a normal TV picture.

When the timed page is transmitted (15:30) it automatically displays the selected page in the TV picture.

**Note: To cancel Press [ ] key.**

## 7-8 SUB CODE

Periodically revised NEWS FLASHES can be obtained from TELETEXT broadcasts. Select the NEWS FLASH page in TELETEXT mode then press the [SUBP/SOUND] key.

You can now watch the TV program and every time the News Flash page is updated it will be automatically displayed in the TV picture.

Press the [SUBP/SOUND] key to cause the news flash to disappear.

## 8 Menu Operation

### Menu Operation Under TV/AV/SVHS/EURO xxx Input Source

#### 8-1 [MENU] key


Push [MENU] key continuously, to scroll through the MENU selection, as follows.



#### 8-2 PICTURE MENU

Function: Brightness, Contrast, Colour, Sharpness, Tint


- Select each function using the [P+]/[P-] keys.
- Each value can be controlled by the [V+]/[V-] keys.
- Repeat any functions if required.

Picture	
Brightness	50
Contrast	100
Colour	50
Sharpness	50
0  100	

NOTE: TINT control will be appeared only if a NTSC signal is being received.

#### 8-3 SOUND MENU Function: Volume.

- Select each function using the [P+]/[P-] keys.
- Each value can be controlled by the [V+] or [V-] keys.
- Repeat any functions if required.

Sound	
Volume	50
AVL	On
Treble	100
Bass	50
Balance	0
0  100	

※ BASS, TREBLE, BALANCE, SURROUND is option.

#### 8-4 TIME MENU Function: Time and Timer setting.

- Select "TIME" with the [MENU] key.  
Using the [P+]/[P-] key, select the item.
- CLOCK: Setup current time. Press [V-] to adjust hours, which changes as follows: 00 → 01 → 02 → ... → 23 → 00  
Press [V+] to adjust minutes, which changes as follows  
00 → 01 → 02 → ... → 23 → 00
- ON TIME: Setup auto on time. While showing "- :- -", auto on function do not work; press [V-] to setup hours of auto on time, which changes as follows: -- → 00 → 01 → 02 → ... → 23 → --  
Press [V+] to setup minutes of auto on time, which changes as follows: -- → 00 → 01 → 02 → ... → 23 → --
- ON PROGRAM: Setup auto on program. When turn on TV, it comes to the setup program. The selecting range is 0~199
- OFF TIME: Setup auto off time. While showing "- :- -", auto off function do not work; press [V-] to setup hours of auto off time, which changes as follows: -- → 00 → 01 → 02 → ... → 23 → --

Time	
Clock	00:22
On Time	--:-
On Program	10
Off Time	--:-
Repeat	Once

Press [V+] to setup minutes of auto off time, which changes as follows:

-- → 00 → 01 → 02 → ... → 23 → --

F. REPEAT: Setup the effective times of auto on and auto off. EVERYDAY means the setup is effective everyday

**8-5 setup Function:** other functions setting

A. LANGUAGE: Language setup. Press [V+]/[V-], language will switch follows

English → Français → Greek → Русский → Portugues  
→ Espannl → Italiano → Deutsch

Note: the selection of OSD language maybe different for different country.

B. BLUE BACK: Blue back on/off

C. COLOR SYSTEM: Color system setup. Press [V+]/[V-], system changes as follows:

AUTO → PAL → SECAM → NTSC4.43 → NTSC → AUTO

D. SOUND SYSTEM: Sound system setup. Press [V+]/[V-], system changes as follows:

BG → DK → I → BG (Only available on searching the TV program.)

E. BLACK STRETCH: Black Level Extension Function on/off.

F. EURO AV : Signal source could be setup as VIDEO, Y/C, or RGB.

G. TXT LANGUAGE: Text Language setup. Press [V+]/[V-], it changes as follows:

PAN-EUROPE → RUSSIAN → UKRAINIAN → BYELORUSSIAN → FARSI  
→ ARABIC → PAN-EUROPE

H. TXT EAST/WEST: Text East/West setup. Press [V+]/[V-], it changes as follows:

EAST → WEST → EAST

Setup	
Language	English
Blue Back	On
Colour system	AUTO
Sound System	DK
Black Stretch	On
EURO AV	RGB
TXT Language	Pan-europe
TXT East/ West	West

## Menu Operation under VGA Input Source

1. When system signal source switch to VGA, there will be a PC mark in the up-left corner of the screen.

PC

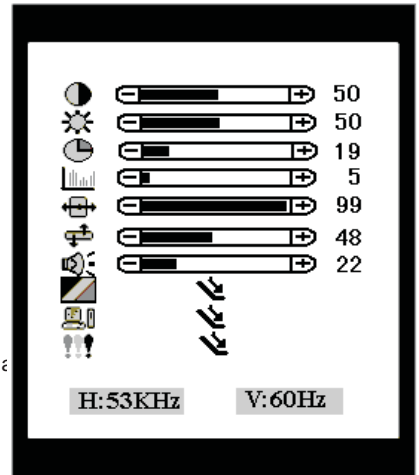
2. In the state of VGA, if there is no signal, or the signal exceeds the supported range, there will be a mark of no signal showing out.



3. In VGA input, main menu operation in VGA. Menu is as in the picture.



- 1<sup>st</sup> Item: To adjust screen contrast.
- 2<sup>nd</sup> Item: To adjust screen brightness.
- 3<sup>rd</sup> Item: To adjust the sampling clock of the system for input signal.
- 4<sup>th</sup> Item: To adjust the sampling phase of the system for input signal.
- 5<sup>th</sup> Item: To adjust the horizontal place of the picture.
- 6<sup>th</sup> Item: To adjust the vertical place of the picture.
- 7<sup>th</sup> Item: To adjust the local volume output.
- 8<sup>th</sup> Item: To adjust local VGA color temperature value, which could be “C9300” or “C6500” ”
- 9<sup>th</sup> Item: It is used to carry out Auto Configure, when the screen display is abnormal, in order to get perfect state, at the same time to store the relevant data calculated by computer into system as customer data.
- 10<sup>th</sup> Item: To carry out Auto Configure . Besides, it could resume customer data which is stored in the system.

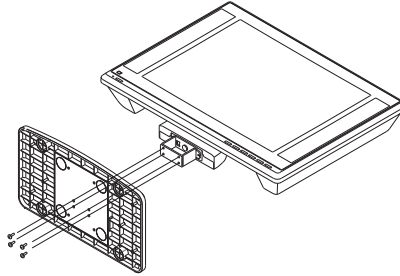


P.S.:

1. The operation of remote keys and local keys in VGA menu is the same with the former relevant TV operation.
2. We do not advise to use 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> item to tune screen state. It is better to use 9<sup>th</sup> item.
3. If only to carry out Auto Configure, it is better not to use this menu.

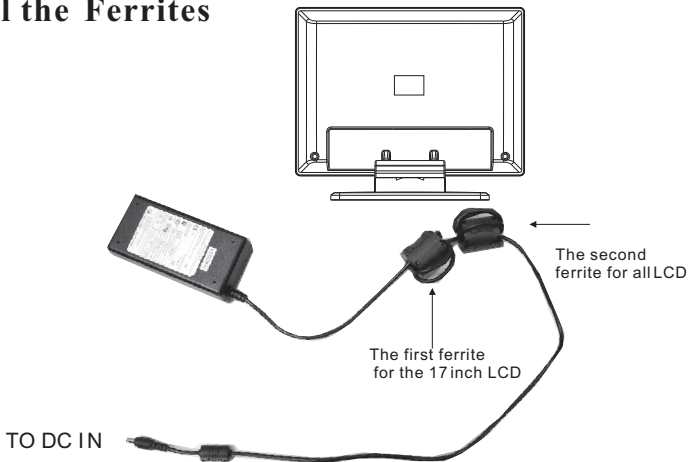
## 9 Install the Table Bracket ( Only for L15SV6-A1、 L17LV6-A1)

Face the LCD screen upside down on a clean blanket or the bracket and pay attention not to indent the casing . Offload the 4 Mx8 screws in the bracket, and you can fix the bracket with them.



And the other product please take this for reference.

## 10、 Install the Ferrites



### 1 ) 、 For the AC-DC converter

For better effect ,please wind the ferrites on the AC-DC converter with the following steps:

- a、 Wind the first ferrite close to the AC-DC converter about 20cm with 2 circles (only fo the 17 inch LCD).

Wind the second ferrite close to the AC-DC converter about 55 cm with 4 circles;

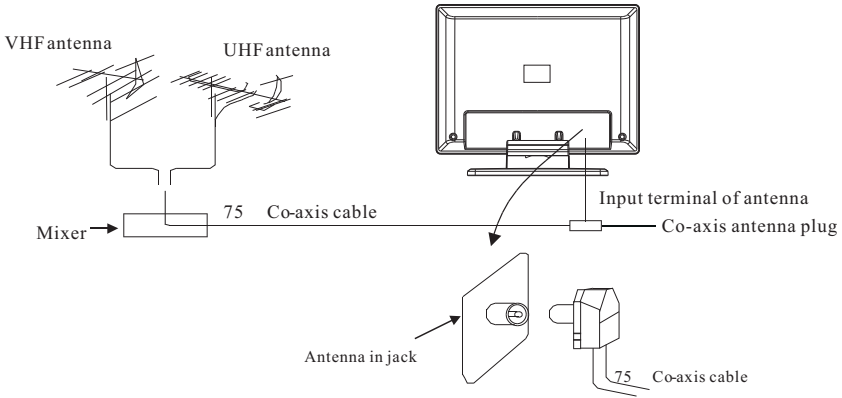
- b、 The all LCD wind the second ferrite, and 17 inch LCD wind two ferrites.

### 2 ) 、 For the RF line (The RF line can be used connect to the LCD and the antenna.)

For the 17 inch LCD product , please wind the little ferrite in the RF line with 1 circle.

## 11 Television Installation Connect antenna or video facility

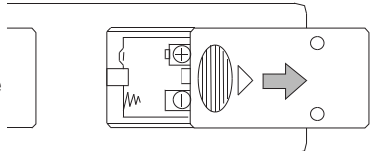
- 1、 Use  $75\Omega$  coaxial cable plug or  $300-75\Omega$  impedance converter to plug in antenna input terminal on the rear of the cabinet.
- 2、 Connect the video facility to the audio, video in jack on the rear of the cabinet.



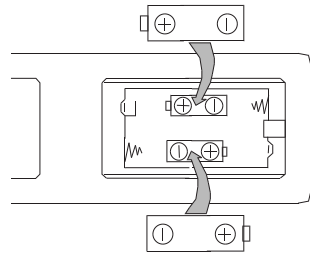
## Battery installation and replacement for remote control unit

The remote control uses two 1.5V AA batteries. For battery installation and replacement are as following:

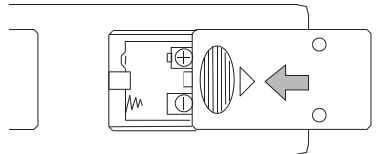
1. Turn the remote control unit upside down. Press down the grip of battery compartment and slide the cover in the direction of the arrow.



2. Install two new batteries, make sure that battery polarity matches with the “+”, “-” marks inside the battery. Or not it could damage the unit.



3. Close the battery compartment covers.



# 12 Trouble Shooting

Before arranging for service, firstly know the status and then check simply as follows:

Problems	Check
No picture or sound.	Check if the power supply is plugged in. Check if the power switch is in “on” position.
Picture is OK, no sound.	Check if the volume control is set to the minimum or mute position.
Remote control doesn't work	Check if the power switch is in “on” position. Check if the batteries are out of use or not connected well. Make sure that there is no strong light striking the sensor window of remote control unit. Check there are no obstacles between the sensor window and remote control unit.
No TV signal.	Check if the TV/AV button is not set to TV status. Check if the antenna is well connected. Check if you installed the TV correctly.
No external video signal.	Check if you installed the TV correctly. Check if the TV/AV button is set to AV position.
Picture lacks colour or picture too dark.	Check colour, brightness and contrast controls are correctly adjusted.
All channels lose colour intermittently.	Check if the antenna is broken. Check if the antenna is disconnected. Check if the antenna is damaged.
Poor reception, loss of colour with certain channels.	Check if channels are correctly tuned (see “Fine tuning” ).
Diagonal stripes appear on picture.	The receiver may be affected by interference (e.g. from nearby radio broadcasting transmitter or from another TV receiver).
Picture has “snow”	Check if the antenna is broken. Check if the antenna is disconnected. Check if the antenna is damaged.
Ghost images appear.	Check if the antenna direction has been changed by a storm or strong wind, etc. (because ghost images are caused by the arrival at the antenna of both the signal which has traveled directly from the transmitter and the signal which has been reflected from a hill or a large building. The direction of the antenna should be chosen for minimized ghosting.)

## 13 Specifications

Specifications of the television that you have just purchased may vary from the information in this table due to technical innovations.

Model	Dimensions (WXDXH mm)	Net weight	Power source	Input
L20AV6-A0	552X210X440	8.9kg	≡ 12V 5.0A	60W
L20L6A	552X210X440	8.9kg	≡ 12V 5.0A	60W
L15SV6-A0	419X170X353	5.4kg	≡ 12V 4.0A	48W
L17LV6-A1	490X170X355	5.65kg	≡ 12V 5.0A	60W
L17L6A-G1	445X210X395	6.5kg	≡ 12V 5.0A	60W

Picture, sound system	PAL/SECAM-B/G,I,D/K
Antenna input impedance	75Ω
Audio output	≥1.5W+1.5W
External input port	AV input PC input S-video input PC audio input SCART input 12V DC input Antenna input
AC converter	Input: ~150-240V 50/60Hz, Output: ≡ 12V
Temperature	Working: 0°C~50°C Storage: -20°C~60°C

**NOTE:** The dimension in this manual is a approximation.

### Accessories

- |                   |                     |
|-------------------|---------------------|
| 1 AC-DC converter | 3 Remote controller |
| 2 AC cable        | 4 Owner's Manual    |

#### ● Note:

All specifications are subject to change without notice.  
All quality and size are approximate value.

# Haier

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