

SERVICE MANUAL

LED TV



E40DM1100F LED TV Chassis



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

SAFETY PRECAUTIONS

SAFETY PRECAUTIONS



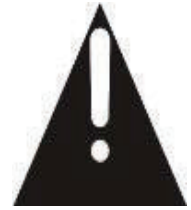
The warning sign showing a lightning bolt in a triangle indicates that this product contains "dangerous electrical voltages".

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO AVOID THE RISK OF ELECTROCUTION, DO NOT REMOVE THE COVER (OR THE BACK OF THE DEVICE).

NO PARTS ARE REPLACEABLE BY THE USER. PLEASE CONTACT QUALIFIED PERSONNEL IN CASE OF FAILURE.



The warning sign showing an exclamation point in a triangle indicates that this point of the manual requires special attention.



CAUTION: - TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR SERIOUS INJURY:

Read these safety instructions before using your device and store them for possible future reference.

- This device must only be connected to a mains network whose characteristics are identical to those shown on the device identification plate.
- The mains plug must always be easily accessible. It serves as a mains disconnecting switch of the device.
- To disconnect the device from the mains, the plug must be disconnected. Hold the mains cable by its plug. Do not pull on the mains cable to disconnect the plug.
- The mains cables must be routed so that they are not trampled upon or pinched by objects placed on or against them.
- If the mains cable of the device is damaged, it must be replaced by the manufacturer, its after-sales service or a similarly qualified person to avoid any danger.
- The device must not be exposed to dripping or splashing water, moisture or liquids.
- Do not place the device near water, for example in a bathroom or near a sink.
- No objects filled with liquids such as vases should be placed on or above the device.

- Never touch the mains cable with wet hands, this could cause a short circuit or electric shock.
- To avoid the risk of fire, do not place sources of open flames, such as lighted candles, or heat sources such as radiators, on or near the device.
- The device is intended for use only in a temperate climate.
- If smoke, an unusual odour or strange noise is emitted by the device: unplug the mains cable from the electrical outlet and consult the after-sales service or repair center. Never attempt to make repairs yourself, this could be potentially dangerous.
- Do not attempt to open or disassemble the device. This would expose you to dangerous voltages.
- The slots and openings of the device are intended for ventilation and to ensure its operation. To prevent overheating, these openings must not be obstructed or covered in any way, such as by newspapers, tablecloths or curtains.
- Always leave a minimum distance of 10 cm around the device for sufficient ventilation.
- Never push any object into the device through one of its openings, as it may come into contact with electrical components, which can cause an electric shock or fire.
- In case of thunderstorm or lightning, immediately unplug the mains cable from the wall outlet.
- Always turn off the device when not in use. Unplug the mains cable from the electrical outlet when the device will not be used for a long period of time.
- Unplug the device from the electrical outlet before cleaning. Do not use liquid or aerosol cleaners. Use a dry, soft cloth for cleaning.
- If the product does not bear the  logo, it is a Class I device. It must then be connected to a mains socket with a protective earth connection. This device bears the  logo, it is a class II electrical device in which the protection against electric shock is not based solely on main insulation but on double insulation. It does not have protective grounding.
- If it is a class I appliance, the user's protection is grounded. The appliance must be connected to a power supply base with a connection to the protective earth.



CAUTION –: TO AVOID RISK OF INJURY OR DAMAGE TO THE PRODUCT OR OTHER EQUIPMENT:

- This product is intended for household and personal use only. Do not use this product for commercial, industrial or other purposes.

- Do not subject the product to strong shocks, extreme temperatures or direct sunlight for prolonged periods.
- Keep the product away from magnetic objects, motors and transformers.
- Do not use the product outdoors, regardless of weather conditions.
Install the device only on a stand (furniture, wall...) that can support its weight safely.
- **WARNING:** never place a TV on an unstable location. This can fall, causing injuries or even the death of a person. Many injuries, especially in the case of children, can be avoided by taking simple precautions such as:
 - The use of furniture or stands recommended by the TV manufacturer.
 - The exclusive use of furniture that can support the weight of the TV safely.
 - Make sure that the device does not protrude from the edge of the furniture on which it is placed.
 - Never place the device on a tall piece of furniture (e.g. cabinets or bookcases) without attaching both the furniture and the device to a suitable stand.
 - Do not place the device on a trolley or on a stand that is not stable. Do not install the device on any fabric or other materials placed between its base and the supporting furniture. The device could fall and be damaged or seriously injure a person.
 - Do not use or watch the TV while driving. This is dangerous, and illegal in some countries.
 - Explain to children the dangers they face when climbing on the furniture to reach the device or its controls.
 - If you keep this device and change the location, you should apply the same considerations.
- **CAUTION:** to avoid accidents, this device must be securely attached to the floor or wall according to the installation instructions.



CAUTION: TO AVOID EYE HAZARDS:

- It is best to have soft indirect lighting to watch TV. Avoid completely dark environments and any reflection on the screen, as these can cause eyestrain.



USE AND HANDLING OF BATTERIES:

- **CAUTION:** danger of explosion if the batteries are not inserted correctly or if they are replaced by a non-similar or incompatible model.
- Replace the batteries only with batteries of the same type or equivalent type.
- Batteries must not be exposed to excessive heat such as that from the sun, fire or similar origin.
- Never throw batteries into fire and never expose them to heat sources.
- Do not mix different types of batteries, or new and used batteries.
- The batteries must be inserted according to the polarities indicated on the battery and in the battery case of the remote control.
- Used batteries must be removed from the remote control.
- The batteries must be disposed of safely at the assigned specific collection points to preserve the environment. Follow the disposal instructions indicated on the batteries and at the collection points.
- Keep batteries out of the reach of children and animals. Only adults are capable of handling the batteries.

For installation, handling, cleaning and disposal of the device, refer to the following chapters of the user manual.



Cadmium free; concentration values of Cadmium (Cd) by weight in any homogeneous material part of the display do not exceed 0,01 % as defined in Directive 2011/65/EU.



This symbol indicate direct current (DC).



This symbol indicate alternative current (AC).



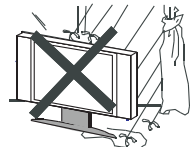
This symbol indicate “Indoor use only”.

SAFETY INSTRUCTIONS



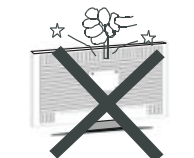
Warning

High voltages are used in the operation of this product. Do not remove the back cover of the cabinet. Refer servicing to qualified service personnel.



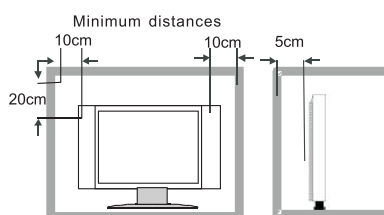
Warning

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.

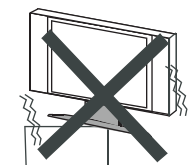
Heat build up can reduce the service life of your television, and can also be dangerous.



Caution

Never stand on, lean on, push suddenly the product or its stand.

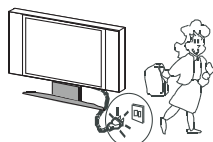
You should pay special attention to children.



Caution

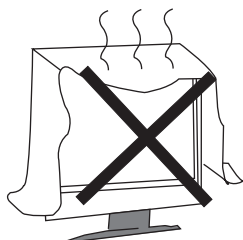
Do not place the main unit on an unstable cart stand, shelf or table.

Serious injury to an individual, and damage to the television, may result should it 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 sources of heat. Do not position 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 electrical failure.

Do not squash power supply cord under the main unit.



Caution

The panel used in this product is made of glass.

It can break when the product is dropped or applied with force. Individuals should execute caution when dealing with broken glass should the panel break.



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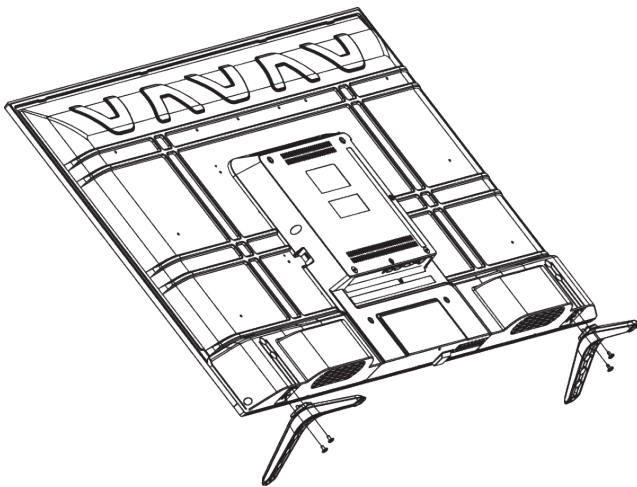
1. Connection and Preparation of TV

1.1 Accessories

- ★ User Manual
- ★ Remote Control
- ★ Stand

1.2 Installation of Stand

(For the physical structure, please refer to the real object)



- (1) Place the TV with the front panel facing downwards on the soft cloth or soft pads on a desk.
- (2) Insert the stand into the bottom socket of the TV.
- (3) Insert the screws into the sockets and tighten them.

Installation of Wallmount Kit(Optional)

The Wall Mount Kit can help install the TV on the wall

For more information about wall mounting, please refer to the instructions provided along with the wall mount kit.

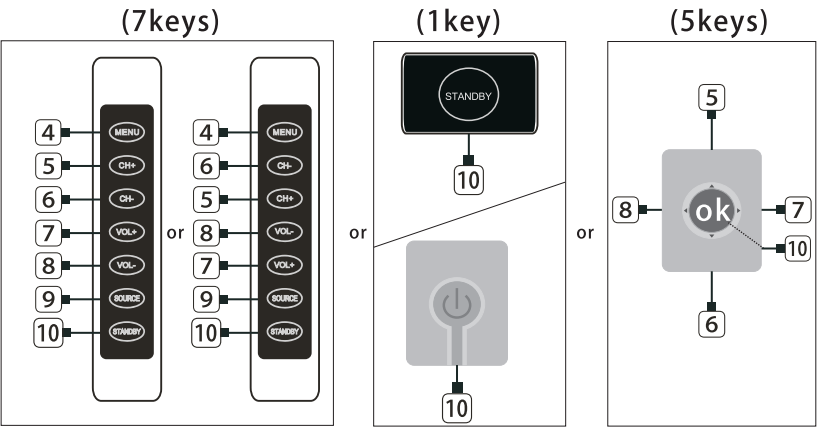
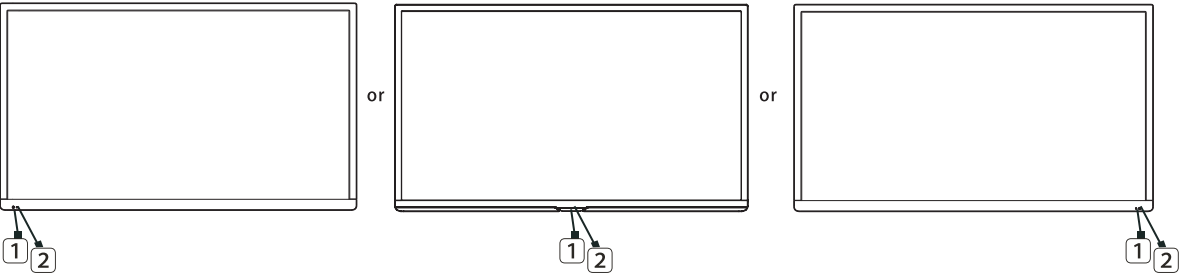
When wall mounting the product, please contact qualified personnel.

If users choose to install the TV by themselves, the producer is irresponsible for any possible damages caused either to the product or to persons.

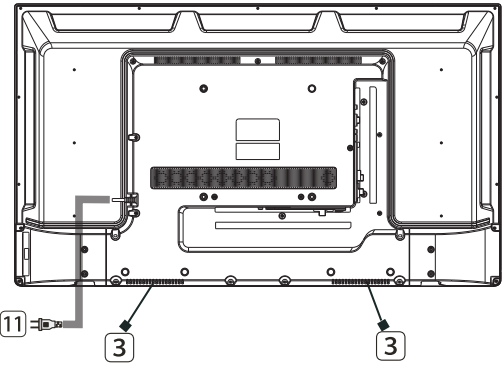
DESCRIPTION OF CONTROL KEYS &CONNECTORS

1.3 Keys and Interfaces

The design and specification takes actual products as the standard



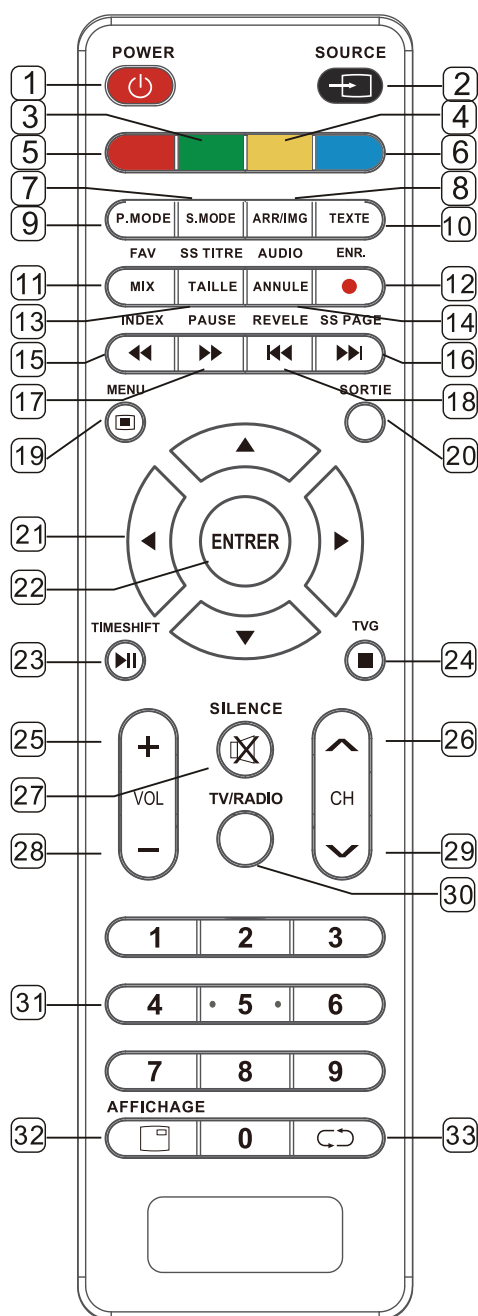
- 1. Remote control sensor window
- 2. Power indicator
- 3. Speaker
- 4. Menu key
- 5. Program "+" key
- 6. Program "-" key
- 7. Volume up key
- 8. Volume down key
- 9. Source key
- 10. Standby key
- 11. Power socket



HDMI1 (ARC)	HDMI2	HDMI3	USB2 USB1 5V---500mA	MINI AV IN	CI+ EARPHONE
COAXIAL			PC AUDIO	PC(VGA)	RF IN

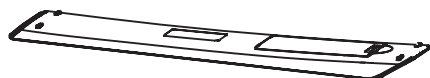
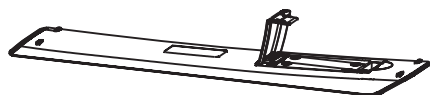
REMOTE CONTROL

(Here is only the sketch, please in kind prevail)



1. POWER(⏻) : Standby turn on and off.
2. SOURCE: Select the signal source.
3. GREEN: Access the green item or page.
4. YELLOW: Access the yellow item or page.
5. RED: Access the red item or page.
6. BLUE: Access the blue item or page.
7. S.MODE: Select the sound mode.
8. FREEZE: Freeze the picture.
9. P.MODE: Select the picture Mode.
10. TXT: Enter or exit teletext.
11. FAV.LIST: Favorite channel list.
Or MIX(under TXT): setting transparency.
12. RECORD: DTV mode record data USB disk.
13. SUBTITLE:DTV mode select subtitle mode.
Or SIZE(under TXT):setting sizes of the character.
14. AUDIO: Select TV audio mode.
Or CANCEL(under TXT):cancel the TXT on screen.
15. INDEX:Display the index page.
MEDIA mode:◀◀ Fast Backward
16. SUBPAGE:Enter the sub page mode.
MEDIA mode:▶▶ Next
17. HOLD: Hold t he c urrentp age.
MEDIA mode:▶▶ Fast F orward
18. REVEAL: Reveal the hidden information.
MEDIA Mode:◀◀ Previous.
19. MENU: Enter or exit menu
20. EXIT: Exit menu or operation.
21. ▲,▼,◀,▶ key: The menu item selection.
22. ENTER: Confirm or enter.
23. TIMESHIFT:DTV mode time shift.
MEDIA mode:▶▶ Press one time to pause,press again to playback.
24. TVG: To display the digital program guide.
MEDIA mode:■ Stop the playback and return to file list.
25. VOL+: Incre ase th e volume.
26. CH▲: Select the channel forward.
27. MUTE: Mute sound.
28. VOL-: Decrease the volume.
29. CH▼: Select the channel backward.
30. TV/RADIO:Select the TV or Radio mode.
31. 0~9 : Continue to press the keys to select a channel.
32. DISPLAY : Display the information of current video and audio.
33. RECALL: Return to previous channel.

1.5 Installation of Batteries



1. Open the back lid of the remote control.

2. Install two 7#(AAA)1.5V batteries.
Ensure the correct polarity of the batteries.

3. Cover the back lid.

Please take out of the batteries from the remote control for long time of no use.

If the remote control doesn't work properly, please carry out the following checks.

- Check the TV is turned on.
- Check the polarity of the batteries are correct.
- Check the batteries are not drained.
- Check the power supply is normal or the power cord is correctly connected.
- Check there are no special fluorescent light or neon light around.

2. Basic Operation

2.1 Power ON/OFF(Optional)

- Connect the power cord to the **AC input**. Insert the power cord into the appropriate socket.
- Press the **Power switch** to switch on the TV, then press **Power** button to turn on the unit.
- Press the **Power switch** again to switch off the TV.

Note: After switch off the TV, please don't immediately re-open the power switch ,should be delayed one minute more to re-open the power switch.

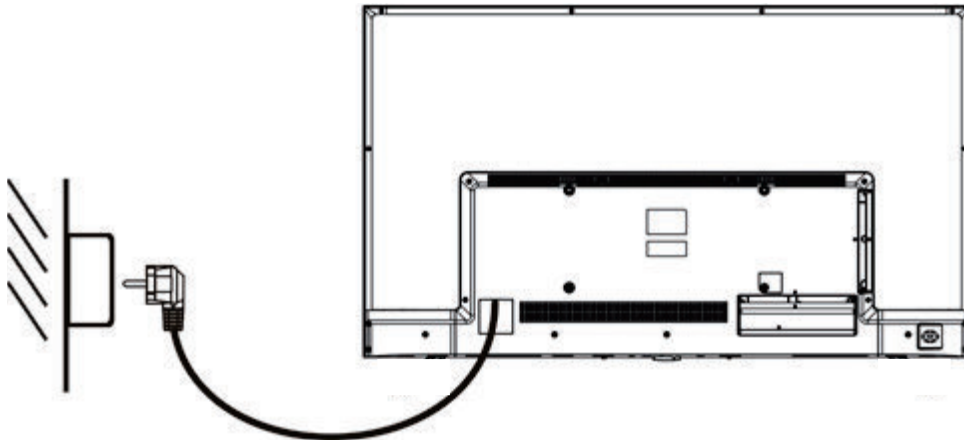
2.2 Setting of Standby Mode

- Press () button to turn on the unit.
- Press () button again to return the display to standby mode. The power indicator turns red.
- Be sure not to set your TV in standby mode for a long period of time.

BASIC CONNECTION

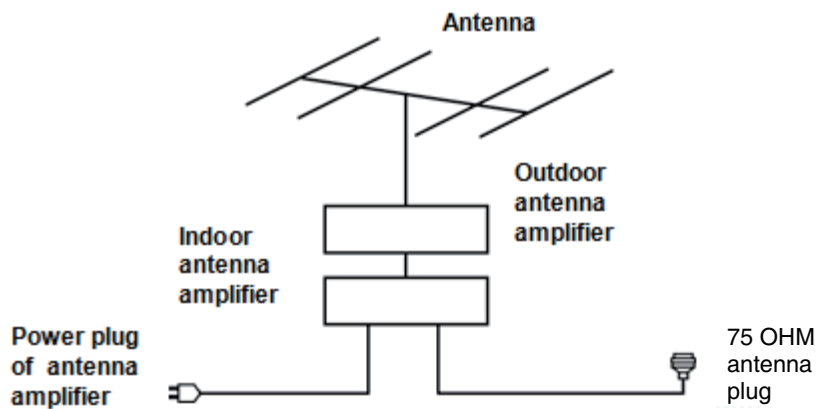
- Ensure all the cables are disconnected from the main unit before connecting to AC power source.
- Read through the instructions before connecting other equipments.

CONNECTING TO AC POWER SOURCE



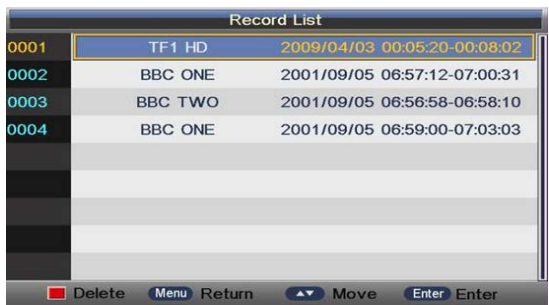
CONNECT EXTERNAL ANTENNA TO UNIT

Install external antenna into antenna jack for best picture.



Recording list

INDEX: Displays the Recording List menu, from which the user can listen to the recordings. The menu is shown below:



2.3 Selection of Input Mode

This set has different signal source modes, you may continue to press the **SOURCE** button to select a signal source.

2.4 Menu Functions

2.4.1 PICTURE Menu

This chapter will describe the function of Picture in main menu.

2.4.1.1 Picture Menu

It will open the main menu by pressing down the button “MENU” on the remote. The focus will move to the sub items in the Picture menu by pressing down the button “RIGHT” and then functions in the Picture can be set. The Picture menu is shown as follows:



The result of the action pressing down some button when in Picture menu:

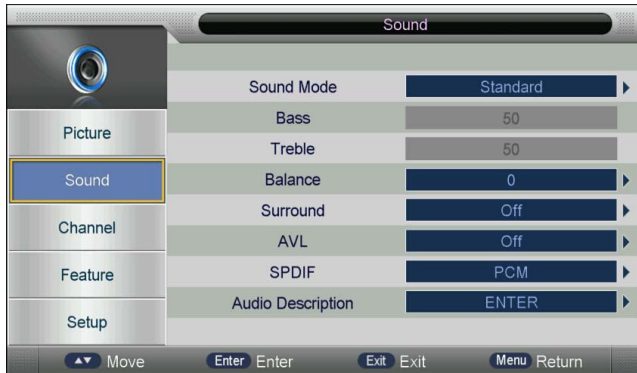
Key Stroke	Action
KEY_UP	Highlight the previous sub item. If it is the first button currently, then highlight the last one in the list.
KEY_DOWN	Highlight the next sub item. If it is the last button in the list currently, then highlight the first one.
KEY_LEFT	Back to Main Menu.
KEY_RIGHT	If the current focus sub item is "Picture Mode" 、 "Color Temperature" 、 "Aspect Ratio" or "Noise Reduction",a popup menu will appear for user to make further choice. If not, main menu will be cleaned for new "adjust menu".
KEY_ENTER	Same as KEY_RIGHT.
KEY_MENU	Back to Main Menu.
KEY_EXIT	Exit Main Menu.

2.4.2 Sound Menu

This chapter will describe the function of Sound in main menu.

2.4.2.1 Sound Menu

It will open the main menu by pressing down the button “MENU” and then press the button “down” on the remote. The focus will move to the sub items in the Sound menu by pressing down the button “RIGHT” and then functions in the Sound can be set. The Sound menu is shown as follows:



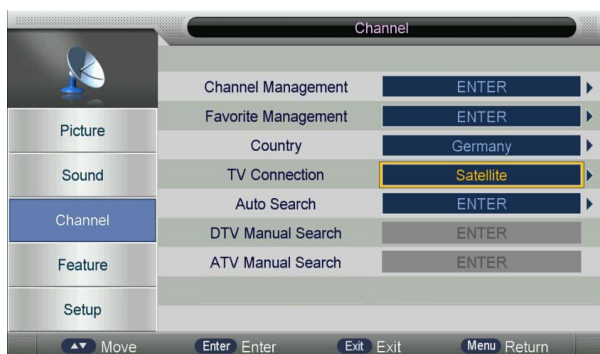
The range and the default values of every sub items in Sound menu are shown in the following table:

Key Stroke	Action
KEY_UP	Highlight the previous sub item. If it is the first button currently, then highlight the last one in the list.
KEY_DOWN	Highlight the next sub item. If it is the last button in the list currently, then highlight the first one.
KEY_LEFT	Back to main menu
KEY_RIGHT	If the current focus sub item is " Sound Mode"/" Surround" / " AVL"/"Spdif",a popup menu will appear for user to make further choice. If not, main menu will be cleaned for new “adjust menu”.
KEY_ENTER	Same as KEY_RIGHT.
KEY_MENU	Back to main menu
KEY_EXIT	Exit Main Menu.

2.4.3 Channel Menu

2.4.3.1 Channel User Interface

Press “Menu” → “Down (▼)” → “Down (▼)” → “Right (▶)” to enter channel operation user interface in ATV/DTV/Radio Source as follows:



There are following functions in this page:

Channel Management: To manage (Delete/Swap/Lock/Skip) all channels;

Favorite Management: To manage (Add/Delete) Favorite channels;

Country: To select country.

TV connection: To select the DTV signal mode(Air/Cable)

Auto Search: To select auto search mode (All/DTV/ATV);

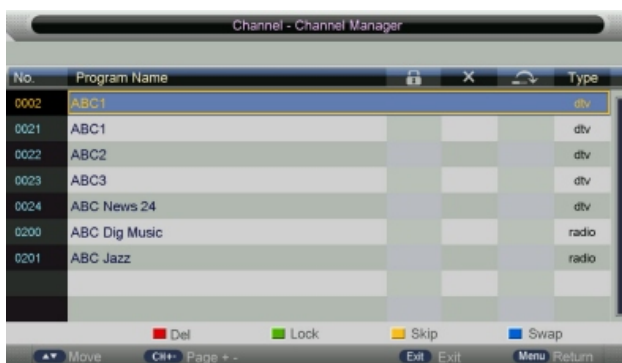
Digital Manual Search: To search digital channel by entering parameters manually(only for Air/Cable);

Analogue Manual Search: To search analogue channel by entering parameters manually(only for ATV);

2.4.3.2 Function Description

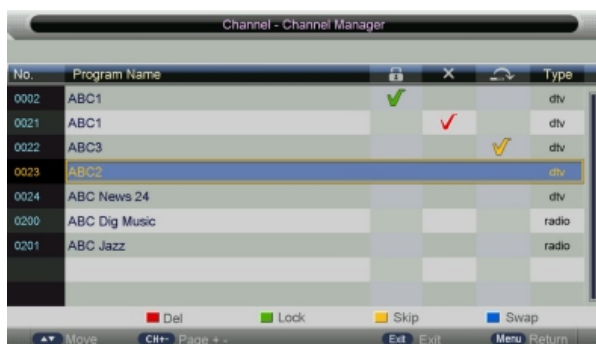
2.4.3.2.1 Channel Manager

Press “ENTER” or “RIGHT” key on “Channel management” of “Channel” page in ATV or DTV source. The operation interface shows as follow:



2.4.3.2.1.1 Deleted/Skip/Lock Channel

1) Press “UP (▲)” and “DOWN (▼)” key to select the programs to be deleted and press “RED”, “GREEN” or “YELLOW” key to mark them as following:



2) After marking press “MENU” key to save the result.

2.4.3.2.1.2 Swap Channel

Select the program to be swapped and press “BLUE” key, the selected program will wink and then select another program and press “BLUE” key to swap them.

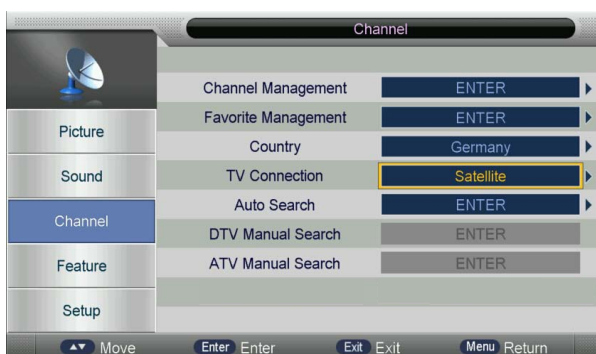
2.4.3.2.2 FavoriteManagement

1) Press “ENTER” or “RIGHT” key on “Favorite management” of “Channel” page in ATV or DTV source.

2) Press “UP (▲)” and “DOWN (▼)” key to select the programs to be added into favorite list and press “RED”, “GREEN”, “YELLOW” or “BLUE” key to mark them .

3) Press “MENU”key to return “Favorite management” page and save the result.

2.4.3.2.3 Country



1) Select the country.

2.4.3.2.4 AutoSearch

3.2.4.1 Air signal mode

Select “Auto Search” item to enter auto search user operation interface as following:



All Mode: Select “All” item to scan all analog channels carried by current signal mode firstly and then switch to scan all digital channels in selected country automatically. User can skip analog search to analog search directly by entering “EXIT” or “MENU” key and can also stop auto scan directly by entering “EXIT” or “MENU” during

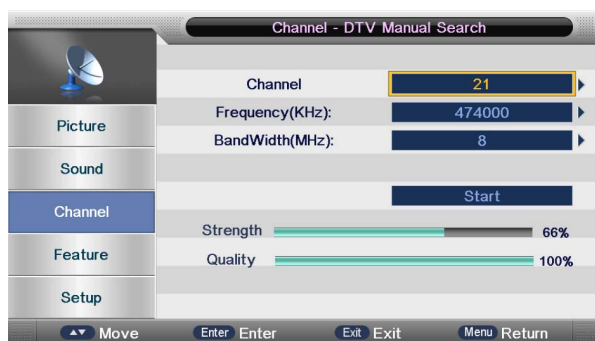
Digital Mode: Select “DTV” item to search all digital channels in selected country carried by current signal mode. User can stop search directly by entering “EXIT” or “MENU” key.

Analog Mode: Select “ATV” item to search all analogue channels in selected country carried by current signal mode. User can stop search directly by entering “EXIT” or “MENU” key.

2.4.3.2.5 DigitalManualSearch

2.4.3.2.5.1 Air signal mode

Select “Digital Manual Search” item to enter air channel manual search in DTV source and the user operation interface as following:



Select channel number by “RIGHT” key or entering number directly. The strength and the quality shows at the bottom. Press “ENTER” key on “Start” item to start current channel search. The manual searching UI and the auto searching UI are the same.

2.4.3.2.6 AnalogManualSearch

Select “Analogue Manual Search” item to enter analogue manual search in ATV source and the user operation interface as following:



These parameters in this page show as the following table:

Analog Parameters	Value
Current Channel	001-100
Frequency	Show the Frequency when srech
Search	Press the button “enter” to open the search sub page.
Fine Tune	Press the button “enter” to open the fine tune sub page.
Color System	Auto/PAL/SECAM
Sound System	BG/DK/I

2.4.4 Feature Menu



Operations in Feature Menu are shown in the following table: (CI Info is Optional)

Lock:The Lock sub page includes three parts:Lock Channel,Parental Lock, Change Pin Code.

Language:System language setting, includes OSD Language, Preferred Subtitle, Preferred Audio, Digital Teletext Language, Anglog Teletext Language.

Clock:It is used to check out the current system time and set time zone/DST.

Sleep Timer:When your TV is Running,start sleep function by setting Sleep Timer in any case. This function allows you to power off the TV within a period of time.

Auto Power Off:When your TV is Running,start Auto Power Off function by setting Auto Power Off Timer in any case. This function allows you to power off the TV within a period of time.

Hearing impaired:This function offers a subtitle such as a “stroke on the door” or “the bell starts to ring” for the current scene in case that the user is weak in hearing.

CI Info:It is only available in DTV source when PVR is not playing. Please prefer to Chapter 6 section 2 CI Setup for further information about the function of CI.

Key Stroke	Action
KEY_UP	Highlight the previous sub item. If it is the first button currently, then highlight the last one in the list.
KEY_DOWN	Highlight the next sub item. If it is the last button in the list currently, then highlight the first one.
KEY_LEFT	Back to main menu
KEY_RIGHT	If the focused item is "Lock", main menu will be closed firstly and then open the Lock Menu; If the focused item is "Hearing Impaired", a Popup Menu will be opened; If not, Feature Menu will be closed firstly and then open the corresponding sub menus.
KEY_ENTER	Same as KEY_RIGHT.
KEY_MENU	Back to Main Menu.
KEY_EXIT	Exit Main Menu.

2.4.5 Setup Menu

2.4.5.1 The Setup Menu is shown as follows

(Auto SCART is Optional)



The range and the default values of every sub items in Setup menu are shown in the following table:

Setup Menu Items	Value
OSD Timer	(5, 10, 15, 20, 25, 30 Seconds, Never)
Auto SCART	Off/On
PC Setup	" ENTER "
Blue Screen	Off/On
HomeMode	Home, Dynamic
Reset TV Setting	" ENTER "
Software Upgrade	" ENTER "

Operations in Setup Menu are shown in the following table:

Key Stroke	Action
KEY_UP	Highlight the previous sub item. If it is the first button currently, then highlight the last one in the list.
KEY_DOWN	Highlight the next sub item. If it is the last button in the list currently, then highlight the first one.
KEY_LEFT	Back to Main Menu.
KEY_RIGHT	If the cursor is on "OSD Timer" 、 "Auto SCART", "Blue Screen", a popup menu will appear for user to make further choice. If not, Setup Menu will be cleaned for other sub menus.
KEY_ENTER	Same as KEY_RIGHT.
KEY_MENU	Back to Main Menu.

2.4.5.2 PC Setup

It is only available in PC source.



Mode-Options	Value
Auto Adjust	"ENTER"
H Position	-16 ~ 16
V Position	-16 ~ 16
Phase	0 ~ 31
Clock	-30 ~ 30

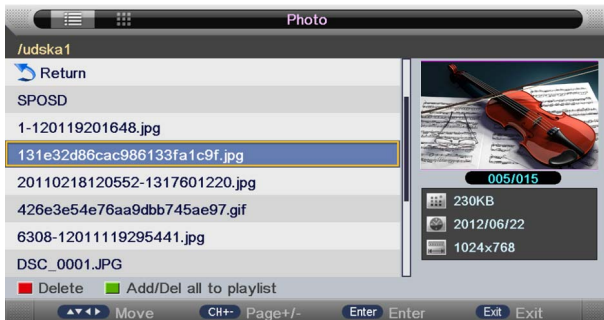
- 1) Auto Adjust Auto Adjust the H Position, V Position, Phase, Clock
- 2) H Position Manually adjust H Position
- 3) V Position Manually adjust V Position
- 4) Phase Manually adjust Phase
- 5) Clock Manually adjust Clock

2.5 Multimedia

2.5.1. Photo

2.5.1.1 Function Introduction

Highlight the "PHOTO" item in multimedia mainmenu by press "RIGHT" / "LEFT" key, then press "ENTER"



Key Operation

- 1) RED: Delete the focused folder/file.
- 2) GREEN: Add/Del all photo files to play list.
- 3) ENTER: Add/Del highlight files to play list.

2.5.1.1.1.Playback

Press "PLAY" key to start playback.



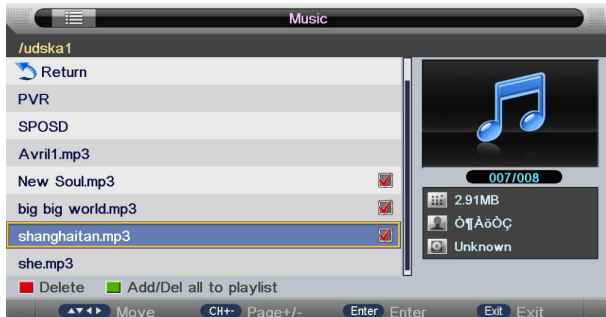
Key Operation

- 1) : Same as "PLAY" key on remote, to start playing pictures in slide show mode
- 2) : Same as "PAUSE" key on remote, to pause the playing file
- 3) : Same as "STOP" key on remote, to stop sliding show, and return to the file browser
- 4) : Same as "|<<" / ">>|" key on remote, to play the previous or next file directly
- 5) : To rotate the playing picture(0 °、90 °、180 °、270°).
- 6) : To zoom the playing picture.
- 7) : Same as "INFO" key on remote, to display the information of the current file.
- 8) : To enter "Photo Setup" menu, including "Repeat Mode", "Background Music", "Music Source", "Slide Time", "Effect".
- 9) : To enter the play list menu.

2.5.2. Music

2.5.2.1 Function Introduction

Highlight the "MUSIC" item in multimedia mainmenu by press "RIGHT" / "LEFT" key, then press "ENTER" key enter music page, as follow:



Key Operation

- 1) RED: Delete the focused folder/file.
- 2) GREEN: Add/Del all music files to play list.
- 3) ENTER: Add/Del highlight files to play list.
- 4) CH+/-: Page up/Page down.
- 5) PLAY: Play the files in play list.

2.5.2.1.1 Playback

Press "PLAY" key to start playback.

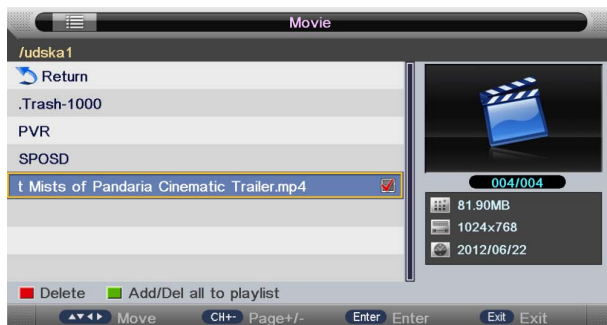


Key Operation

- 1)  : Same as "PLAY" key on remote, to start playing file, or resume the paused file.
- 2)  : Same as "PAUSE" key on remote, to pause the playing file
- 3)  : Same as "STOP" key on remote, to stop the playing file.
- 4)  : Same as "<<" / ">>" key on remote, to play fast backward or forward. The speed can switch to twice, four times, eight times and sixteen times, and displayed with "X2, X4, X8, X16" on screen.
- 5)  : Same as "|<<" / ">>|" key on remote, to play the previous or next file directly.
- 6)  : To switch the repeat mode, including "Repeat 1", "Repeat All", "Repeat Dir" and "Random" modes.
- 7)  : To switch the window between "Information" and "Play List".
- 8)  : Same as "BLUE" key on remote, to close the panel only in "MUSIC" mode, and then it can be opened by every key on remote.
- 9)  : To enter "Music Setup" menu.

2.5.3. Movie

Highlight the "MOVIE" item in multimedia main menu by press "RIGHT" / "LEFT" key, then press "ENTER" key enter movie page, as follow:



Key Operation

- 1) RED: Delete the focused folder/file.
- 2) GREEN: Add/Del all movie files to play list.
- 3) ENTER: Add/Del highlight files to play list.
- 4) CH+/-: Page up/Page down.
- 5) PLAY: Play the files in play list.

2.5.3.1 Playback

Press "PLAY" key to start playback.



Key Operation

- 1) : Same as "PLAY" key on remote, to start playing file, or resume the paused file.
- 2) : Same as "PAUSE" key on remote, to pause the playing file
- 3) : Same as "STOP" key on remote, to stop the playing file, and return to the file browser interface.
- 4) : Same as "<<" / ">>" key on remote, to play fast backward or forward. The speed can switch to twice, four times, eight times and sixteen times, and displayed with "X2", "X4", "X8", "X16" on screen
- 5) : Same as "|<" / ">|" key on remote, to play the previous or next file directly.
- 6) : To enter slow mode. The speed can switch to 1/2, 1/4, 1/8, 1/16, and displayed with "X1/2, X1/4, X1/8, X1/16" on screen.
- 7) : To enter step mode.
- 8) : To set AB repeat, the first press sets A point, and the second press sets B point, and then play between A and B repeatedly.
- 9) : To enter the play list menu.
- 10) : Same as "INFO" key on remote, to display the information of the current file.
- 11) : To enter "Movie Setup" menu, including "Program", "Subtitle", "Audio", "Repeat Mode".
- 12) : To enter "GO TO" function, user can input the time he want to start directly.

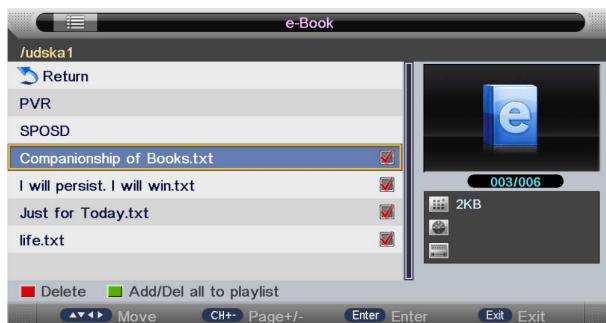
2.5.4. eBook

2.5.4.1 Format Supported

Only txt format eBook is supported.

2.5.4.2 Function Introduction

Highlight the “eBook” item in multimedia main menu by press “RIGHT” / “LEFT” key, then press “ENTER” key enter eBook page, as follow:

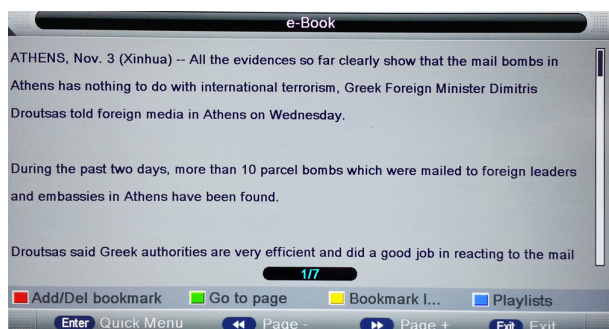


Key Operation

- 1) RED: Delete the focused folder/file.
- 2) GREEN: Add/Del all txt files to play list.
- 3) ENTER: Add/Del highlight files to play list.
- 4) CH+/-: Page up/Page down.
- 5) PLAY: Play the files in play list.

2.5.4.2.1 Playback

Press "PLAY" key to start playback

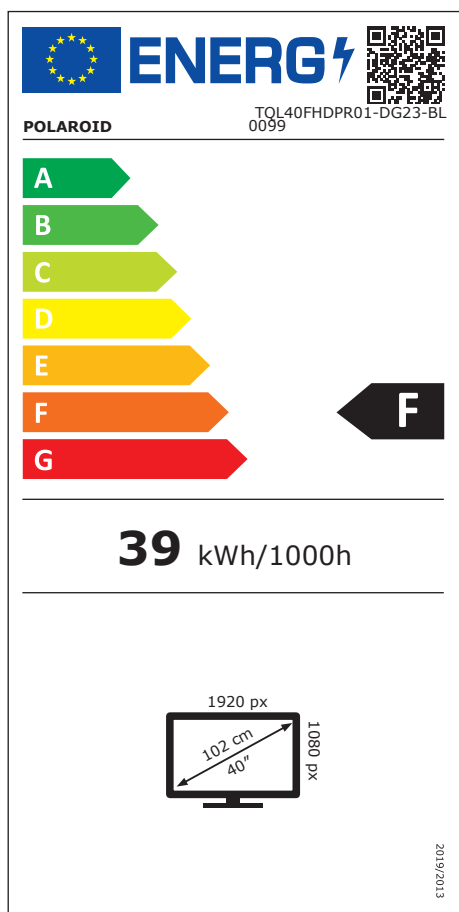


Key Operation

- | | |
|-------------|---|
| “RED” | To add/del bookmark. |
| “GREEN” | To input the page number directly. |
| “YELLOW” | To enter the “Bookmark list” page. |
| “BLUE” | To enter the “Play list” page. |
| “<<” / “>>” | To page down/page up. |
| "EXIT" | To close the file and return to the file browser. |

Spec sheet about energy	
Brand	Polaroid
Reference	TQL40FHDPR01 -DG23-BL0099 (Model: E40DM1100F)
Energy efficiency grade	F
Screen size	102 cm / 40 inches
Annual electric consumption for 4 hours/day, 365 days/year	39 kWh/1000h
Electrical consumption in off mode (W)	0
Standby mode power demand (W)	0.5
Screen resolution (pixels)	1920X1080

Specifications are subject to change without notice.



4. Supported Signal Modes

A.HDMI Mode

Resolution	Horizontal Frequency (Khz)	Vertical Frequency (Hz)
480p	31.468	59.94
576p	31.25	50.00
720p	45.00	60.00
1080i	33.75	60.00
1080p(1920x1080)	67.50	60.00

- When the signal received by the Display exceeds the allowed range, a warning message will appear on the screen.
- You can confirm the input signal format on screen.



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

5.Simple Troubleshooting

If the display fails or the performance changes dramatically, check the display in accordance with the following instructions. Remember to check the peripherals to pinpoint the source of the failure.

Symptom	Solution
Power can not be turned on. (Power indicator does not light.)	-Check that both ends of the power cable are plugged into the socket appropriately and the wall socket is operational
No Input Signal message appears.	-Check that the signal line is connected properly. -Check that the power of the relevant peripherals is turned on. -Check that the Input option that has been selected matches with the input signal.
The remote control does not function properly.	-Check the batteries are not drained. (Use new batteries.) -Check that the remote control is within the operating range. -Check that the remote control is pointed to the remote control window on the display. -Check that there are no obstacles between the remote control and the remote control window.
Flashing spots or stripes appear on the screen.	-Check that there are no emission (Car, HV cable or Neon lamp) or other possible interference sources.
Image colour or quality deteriorates.	-Check that all the video settings are adjusted appropriately, such as brightness, contrast, colour etc. -For more information about video settings, refer to OSD Functions in Chapter 2.
Screen position and size are incorrect.	-Check that the screen position and size is adjusted appropriately.
Image or colour is incorrect.	- Check that the signal line is connected properly. -When connecting to a PC, you can change the resolution of the PC to acquire the correct image. The discrepancy of the PC output signal may affect the display of the image.
Display warning message.	-Check that the input signal line is properly fixed. -Select the correct input signal. -For more information, refer to Supported Signal Modes in Chapter 4.

3. Technical Specification

Reference	TQL40FHDPR01-DG23-BL0099
Model No.	E40DM1100F
Model title	40" LED TV
Resolution	1920X1080
Color number	16.7M
Contrast	3000:1
Ratio	16:9
Lifetime	30000Hours
Tuner	DVB-T/C/T2
TV rated voltage	AC 100-240V~50/60Hz,1.4A max
Consumption	<74W
Voltage and output current of the USB port	5V==0.5A
Dimensions	919*192*583mm (With stand); 919*76*536mm (Without stand)
Weight	5.82Kg (Without stand); 5.9Kg (With stand); 7.7Kg (Gross Weight)
Base	2 pcs, removable
Operating temperature	0°C to 40°C
Remote control rated voltage	DC 1.5VX2 (Not included)
Loudspeaker	2X8W
Inputs	ANT/USB*2/HDMI*3/VGA/PC AUDIO/MINI AV/CI+
Outputs	EARPHONE/COAXIAL
Functions via USB	PVR, Timeshift, Multimedia playback
Compatible multimedia formats via USB	Film: MPEG-1/2/4,H.264,H.265
	Music: MP3
	Photos: JPG
	Text : TXT



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4. Location of controls

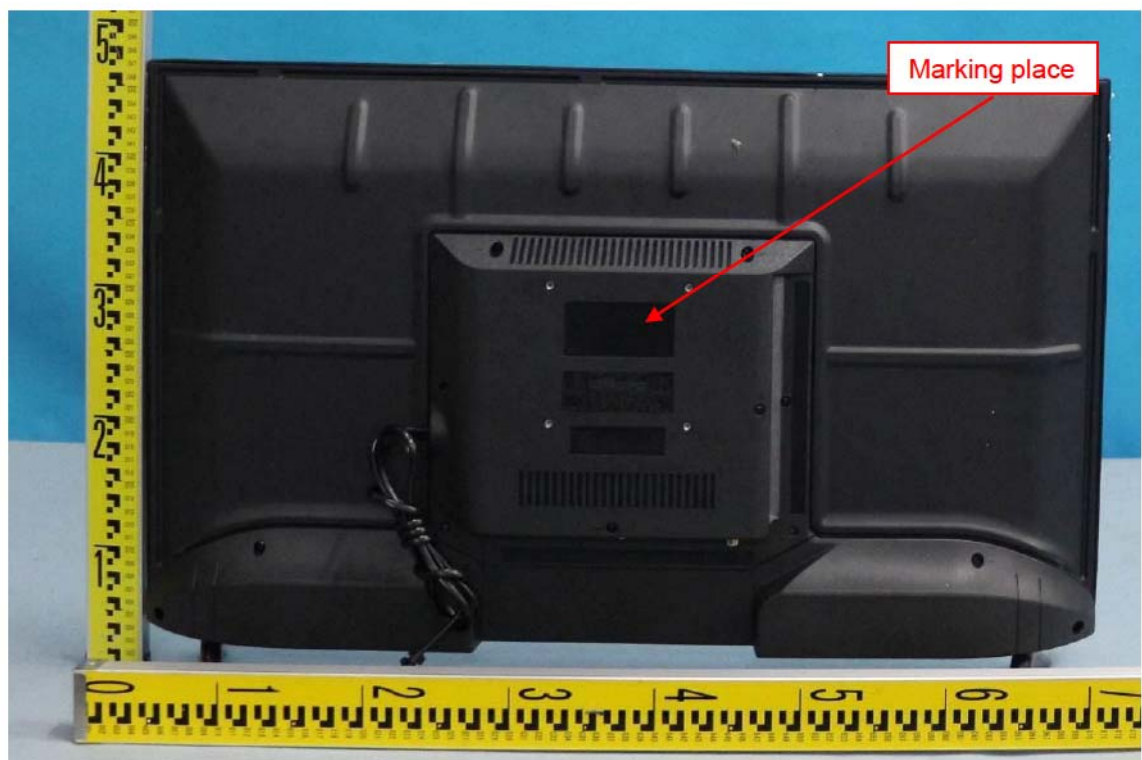
Whole unit



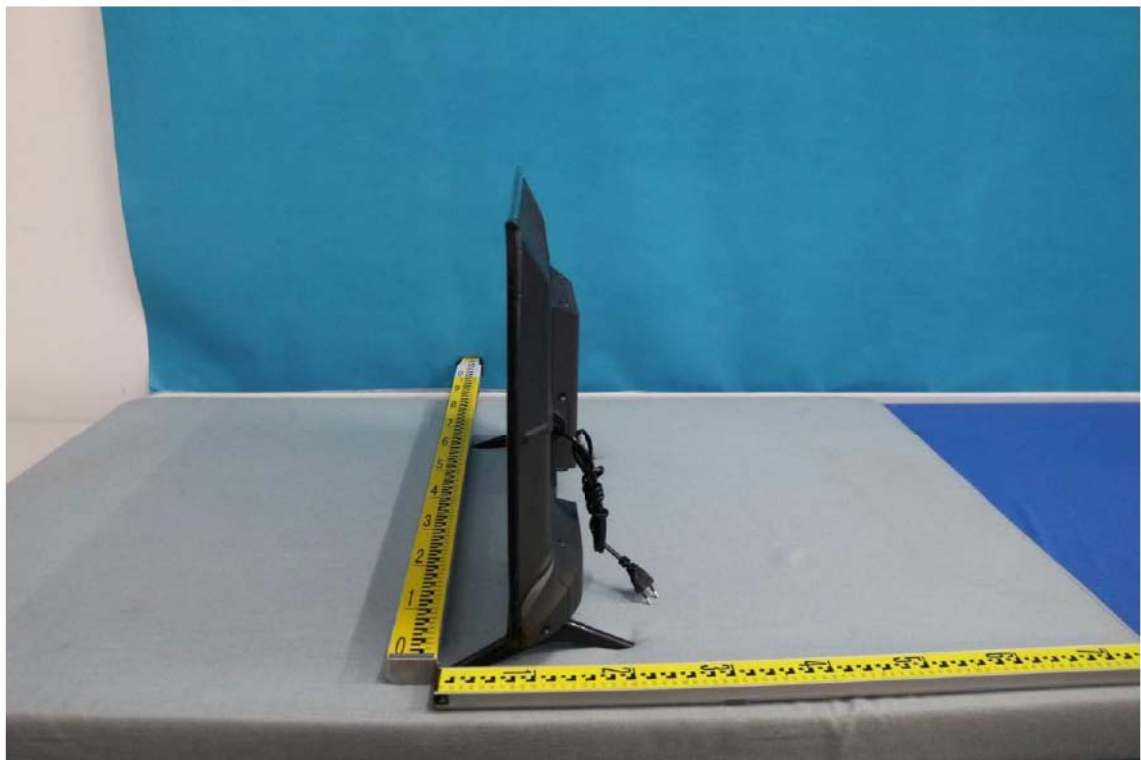
Front view



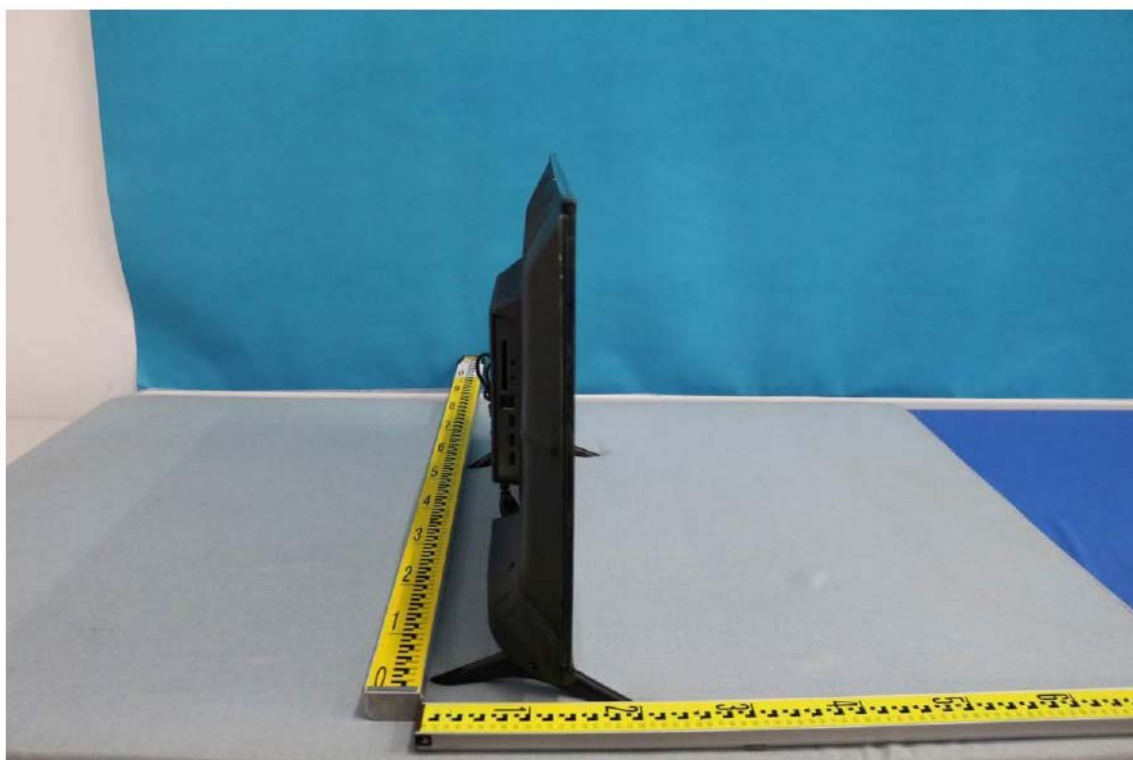
Rear view



Left view



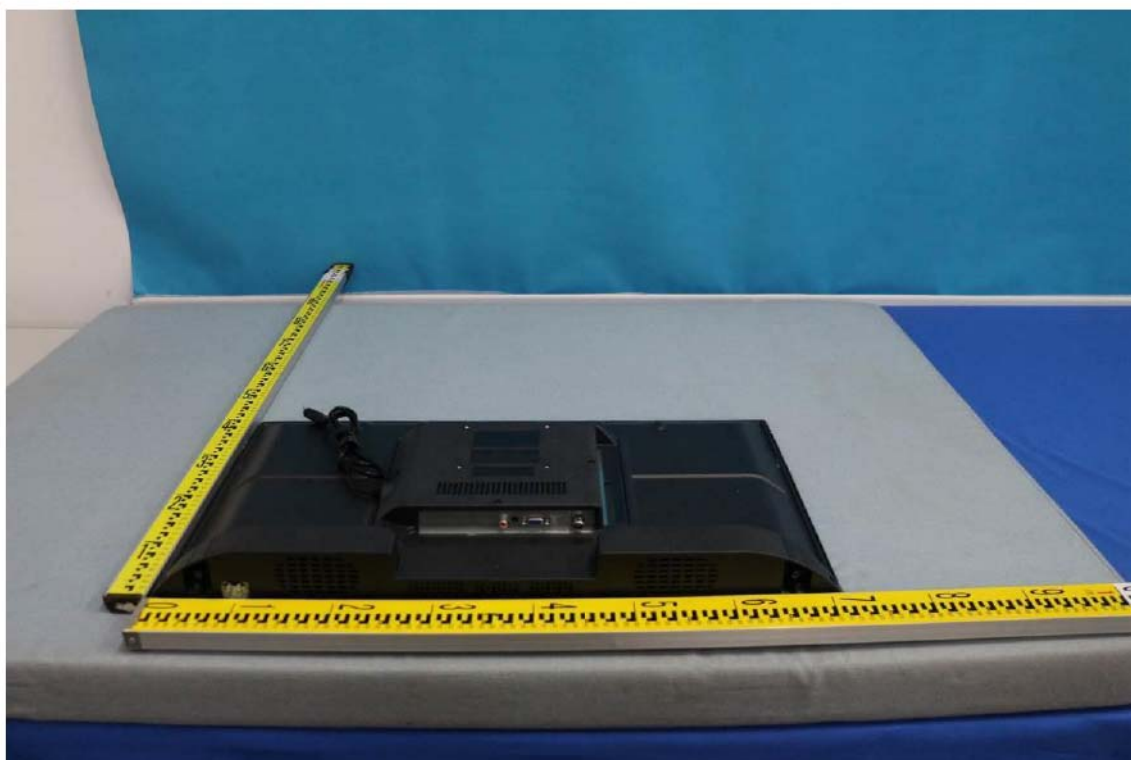
Right view



Top view



Bottom view



Bottom view



Signal terminals (EUT with main board version2)



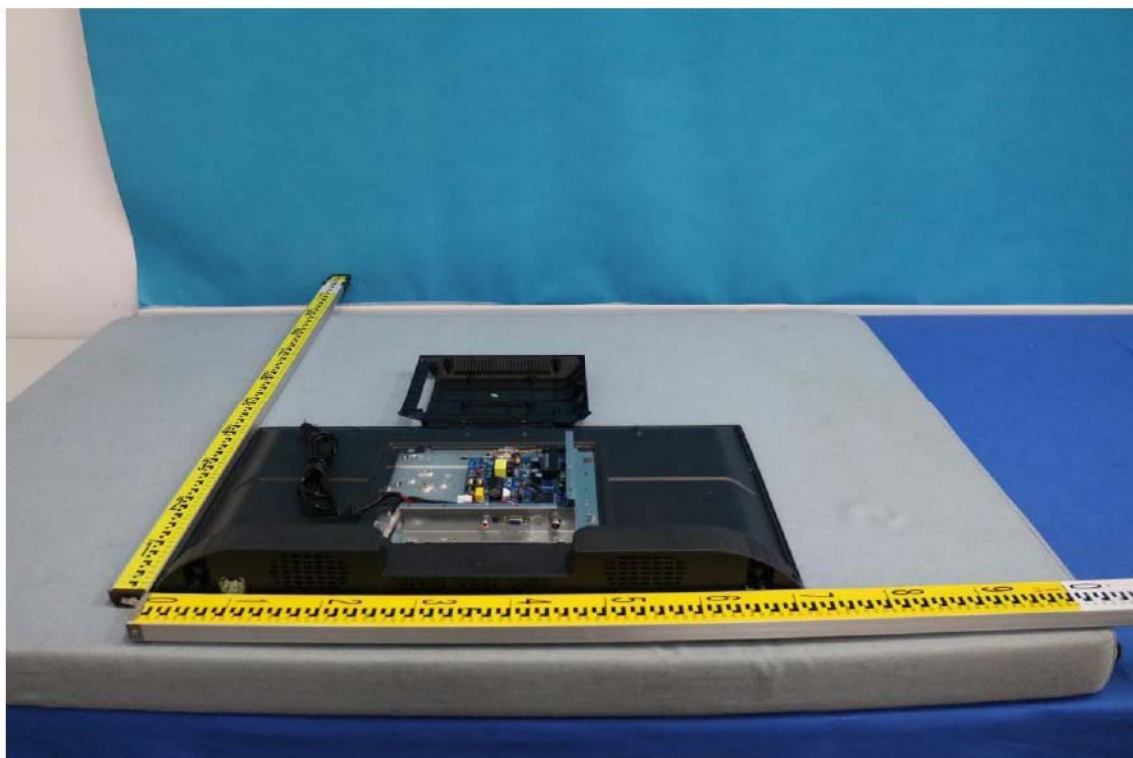
Signal terminals (EUT with main board version1)



Cord anchorage



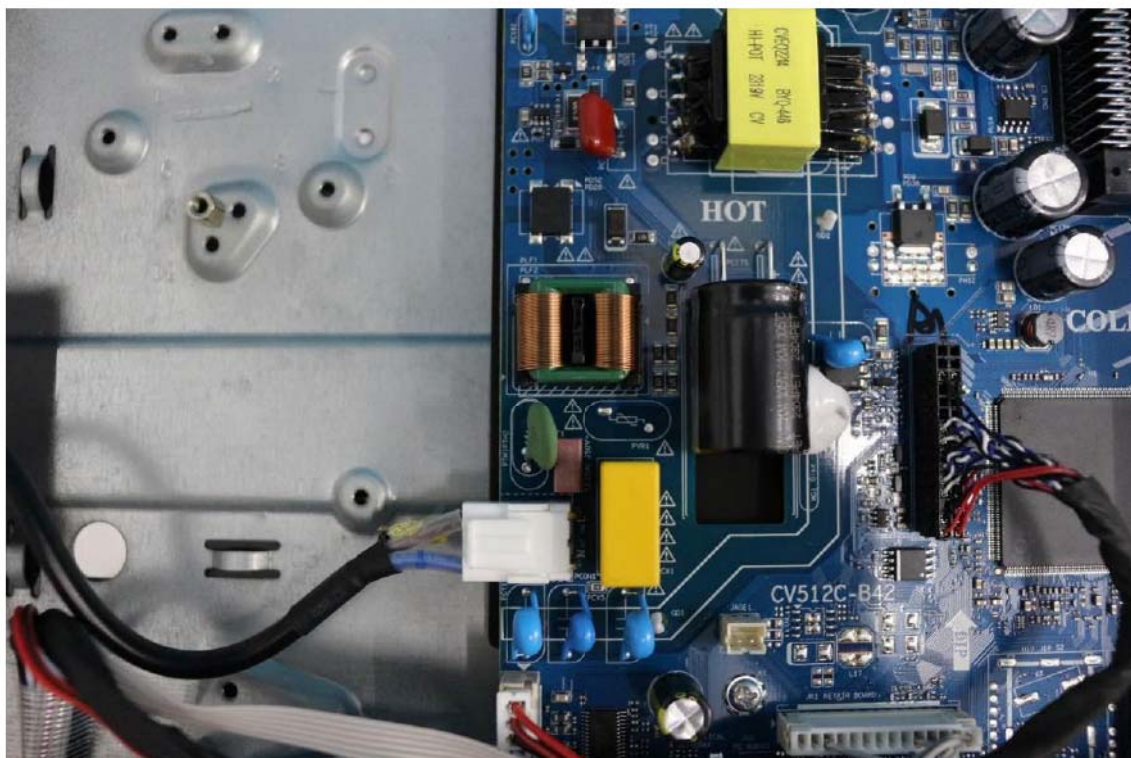
Internal view



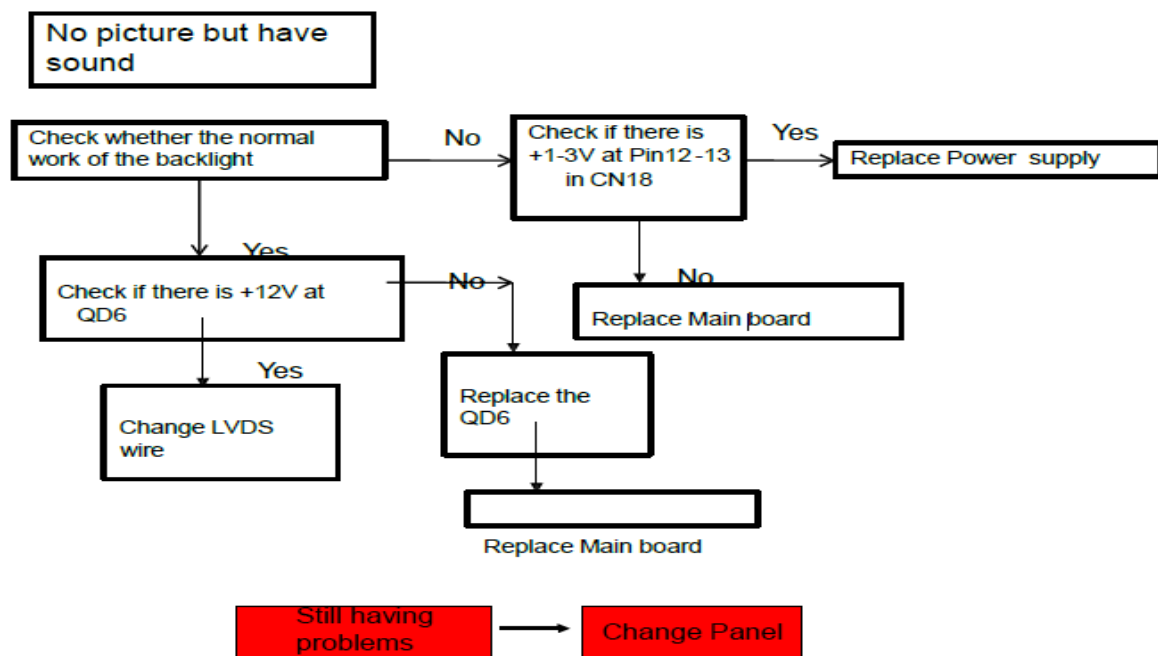
Fixing of internal wires

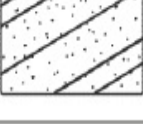


Marking for fuse



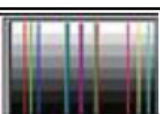
5. Main Board Failure Check

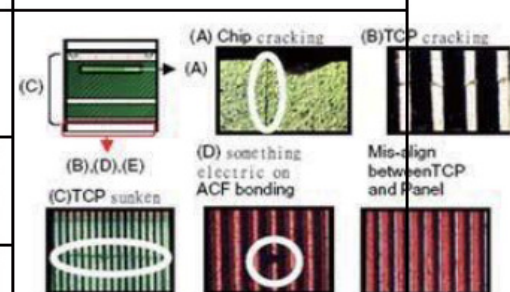


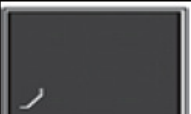
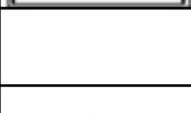
Trouble phenomenon		Inspection
Picture	Audio	
 Snow	 Noise	antenna position, direction or connection
 Ghost	 Normal audio	antenna position, direction or connection
 Interfere	 Noise	electronic equipment, car/ motorcycle, fluorescent light
 Normal Picture	 Mute	Volume(inspect whether the mute function on the remote control are started , or audio system are correct or not)
 No picture	 Mute	Power cord is not inserted Power switch is not opened Contrast and brightness/volume setup Press standby key on the remote control for inspecting
 No color	 Normal audio	color control
 Scramble	 Normal audio or weak	retune channel
 No color	 Noise	Audio system

6. Panel failure

Failure Mode

Part	Name	Description	Phenomena	Failure cause
TCP	V B/D	Vertical bar		Block Defect :TCP cracking or cracking Dim or L/D :TCP Sunken :TCP lead cracking :ACF bonding short :Awful environment and something electric enter into LCD :Mis-align between TCP and Panel :Panel failure :TCP failure
	V Dim	Vertical gray line		
	V L/D	Vertical color line(light or dark forever)		
	H B/D	Horizontal bar		
	H Dim	Horizontal gray line		
	H L/D	Horizontal color line(light or dark forever)		

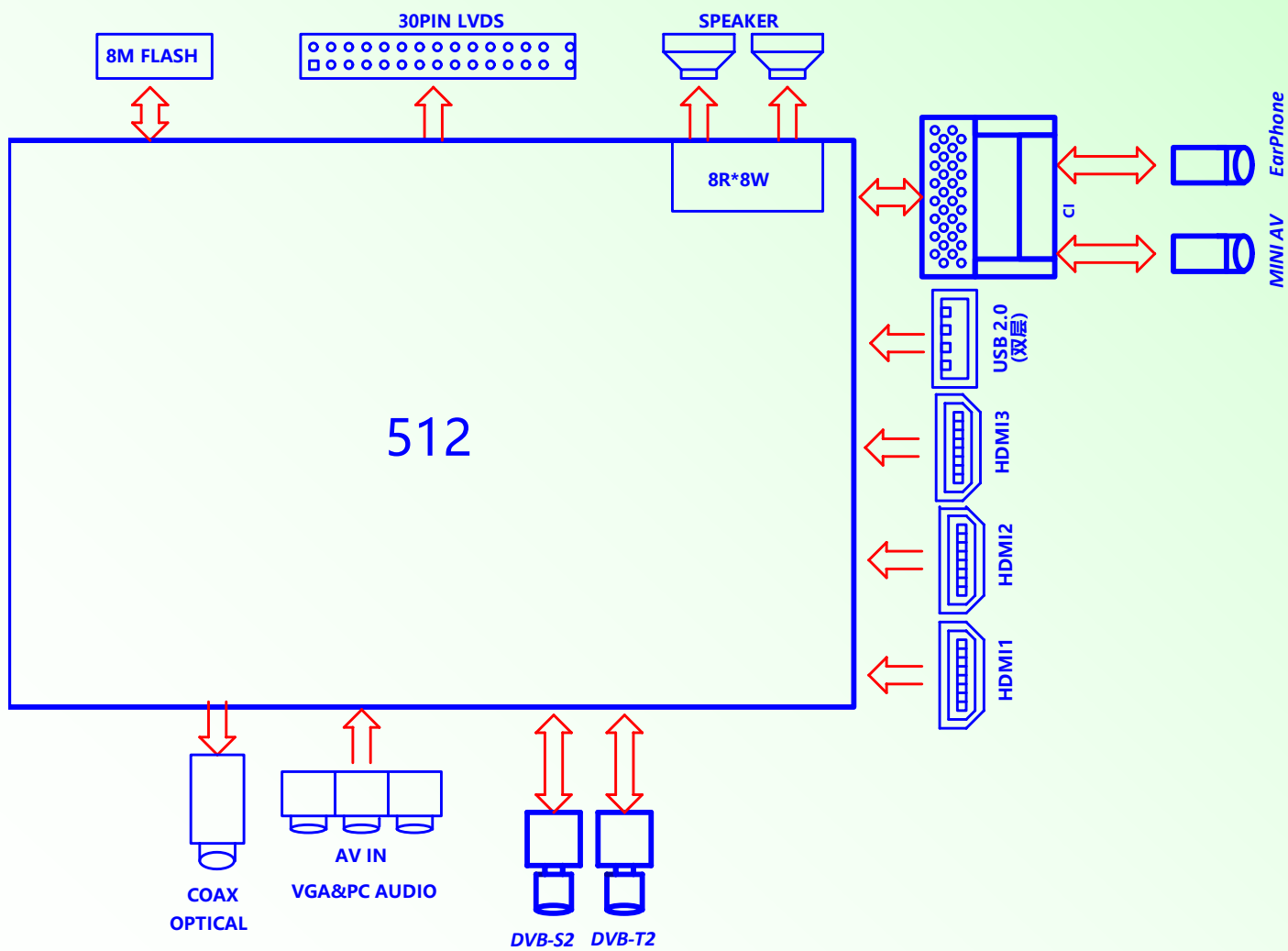


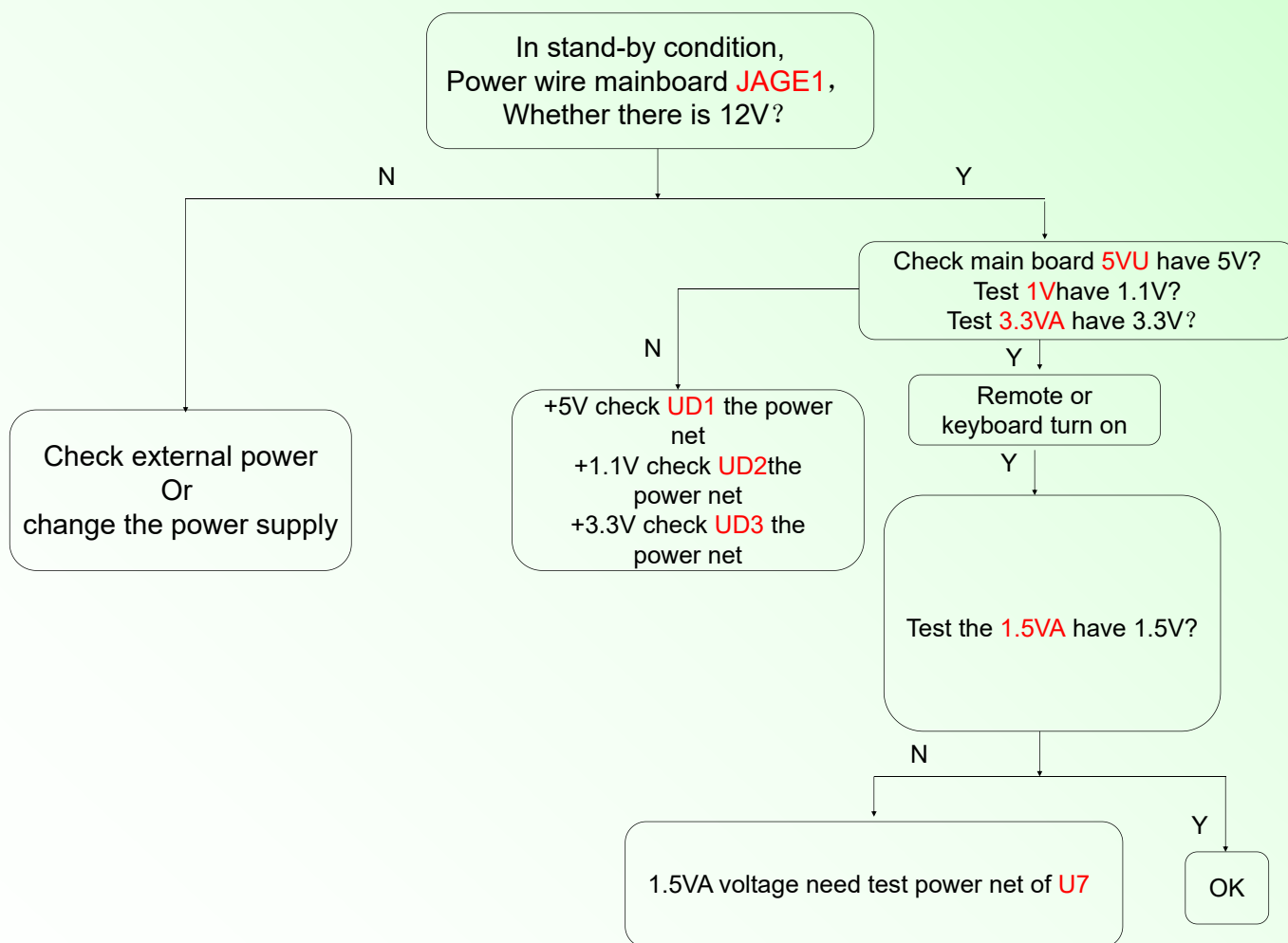
Part	Name	Description	Phenomena	Failure cause
Panel or Polarizer	Dot Defect	Bright dot dark dot in pannel		Incoming Inspection Standard
	Polarizer Bubble	Bladder in Polarizer		Bladder between Polarizer and top glass
	Polarizer Scratch	Polarizer Scratch		Tine or rigidity arose
	F / M inside Polarizer	Eyewinker inside Polarizer		Eyewinker inside Polarizer
Circuit	Abnormal Display	Abnormal Display		1.Chip lose action 2.IC ahort or jointiog bad 3.Pannel and vsc connect bad
	Flashing	Bright and dark display alternately		

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Common problems solution

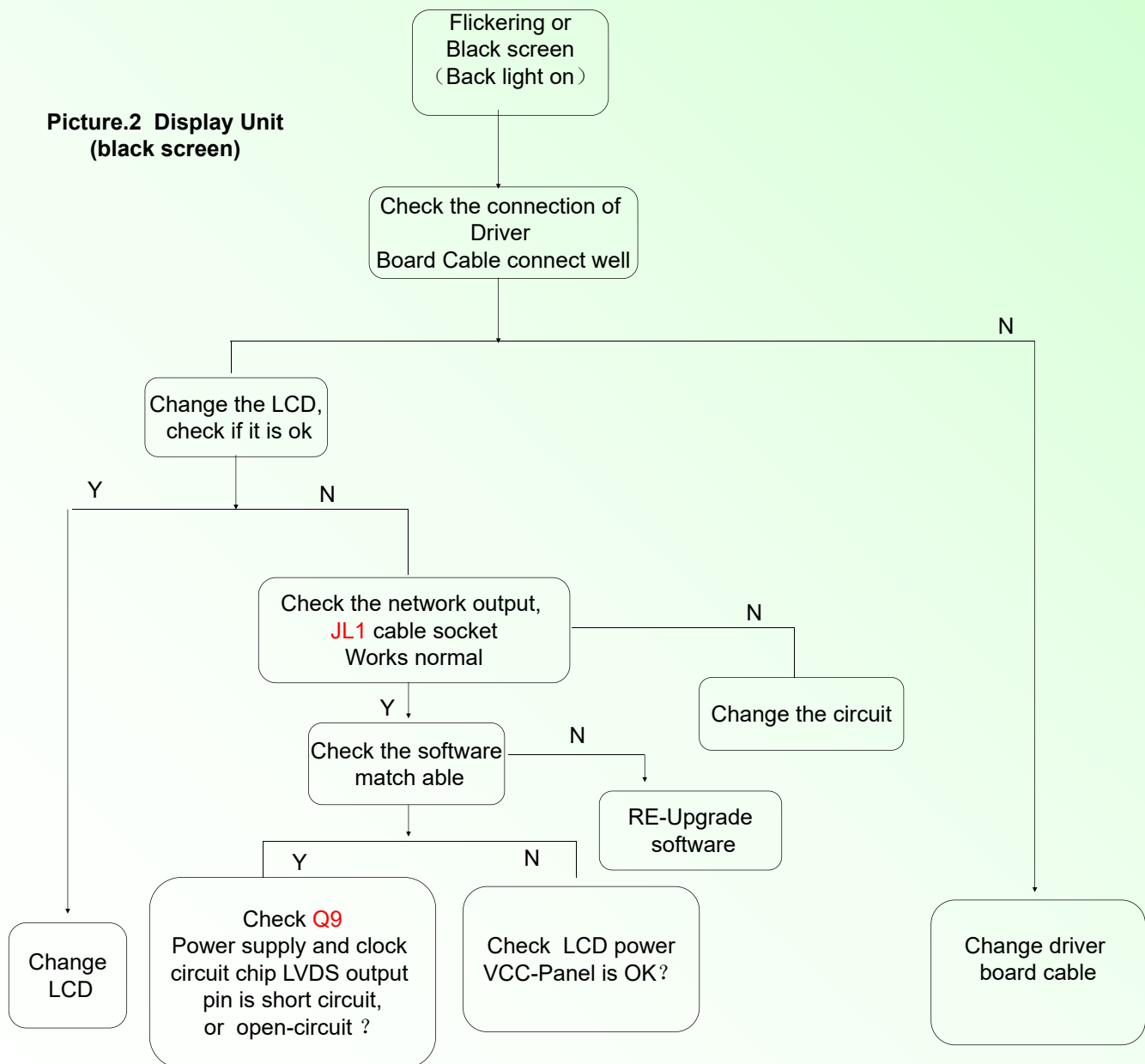
- Power Units Problem Solving**
- Display Units Problem Solving**
- Audio Units Problem Solving**
- Functional Units Problem Solving**



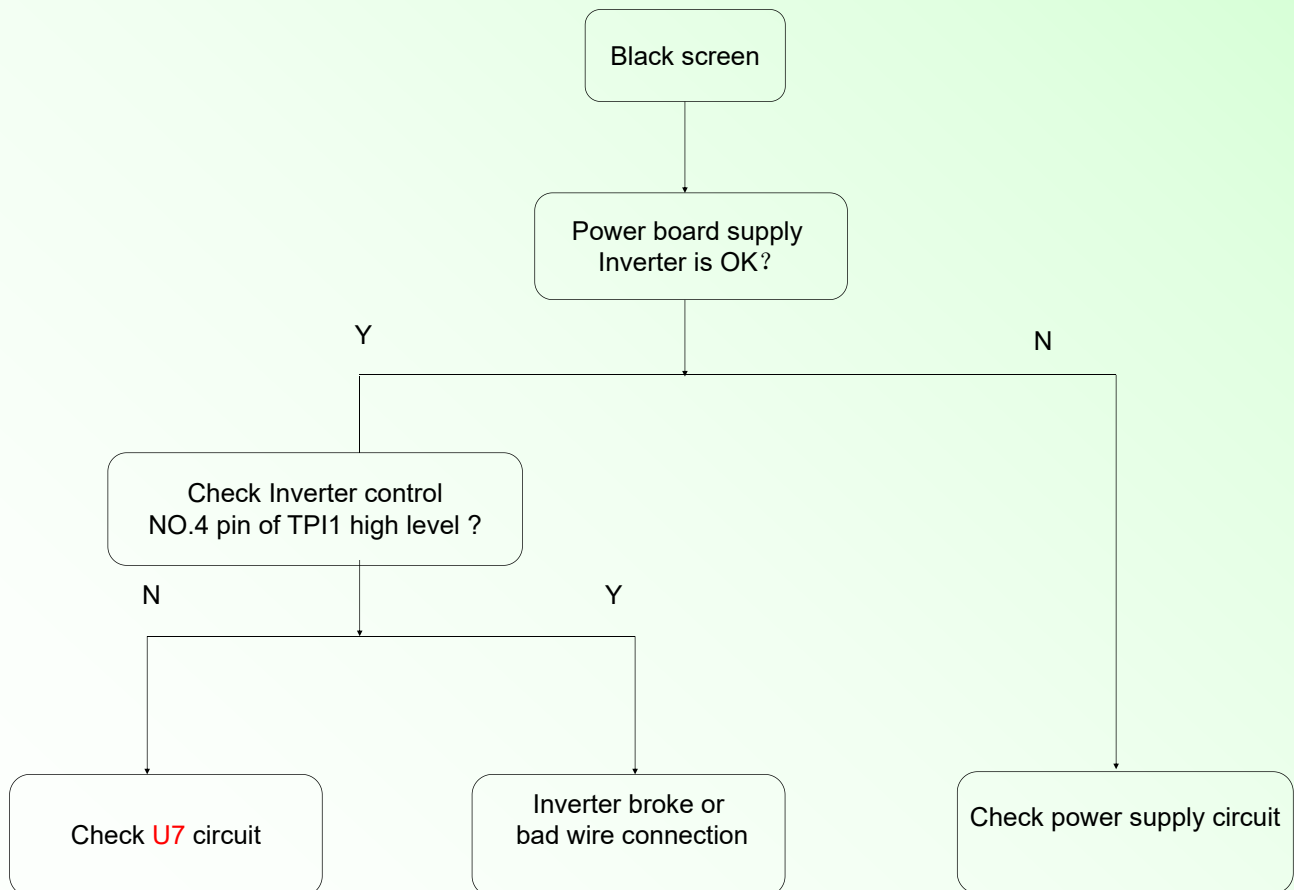


Picture 1; Power Units Problem Solving

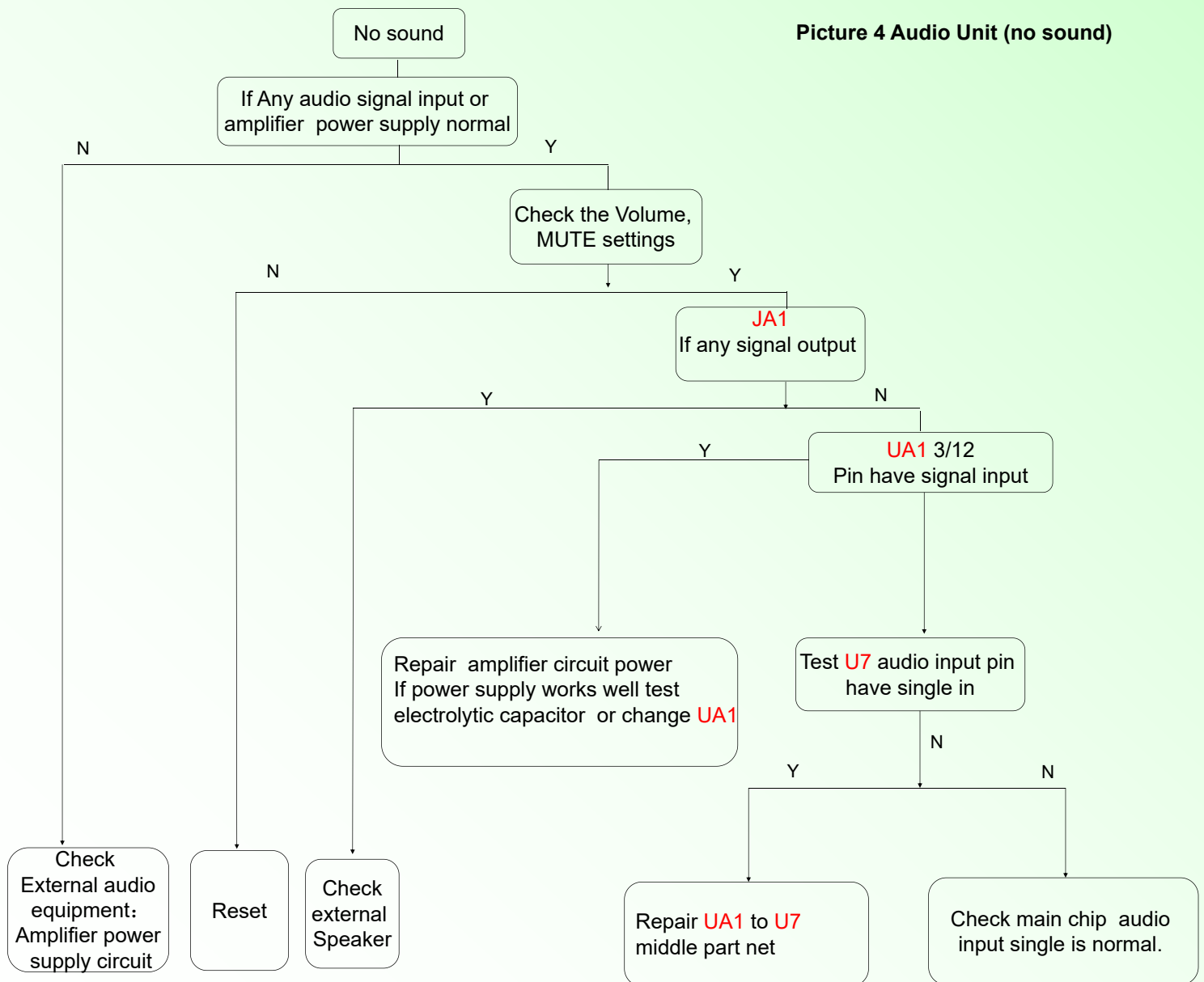
**Picture.2 Display Unit
(black screen)**

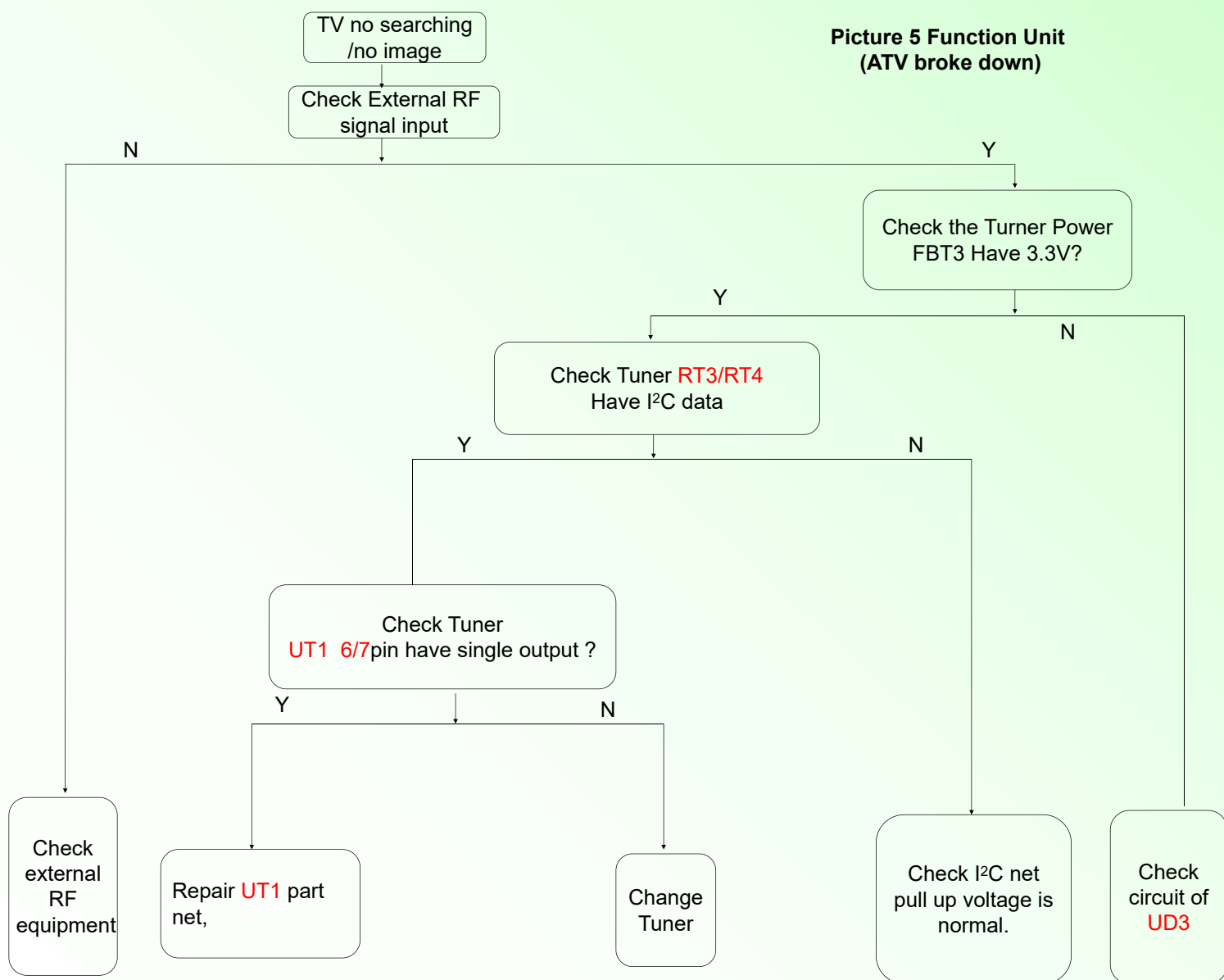


Picture 3 Display Unit
(black screen)

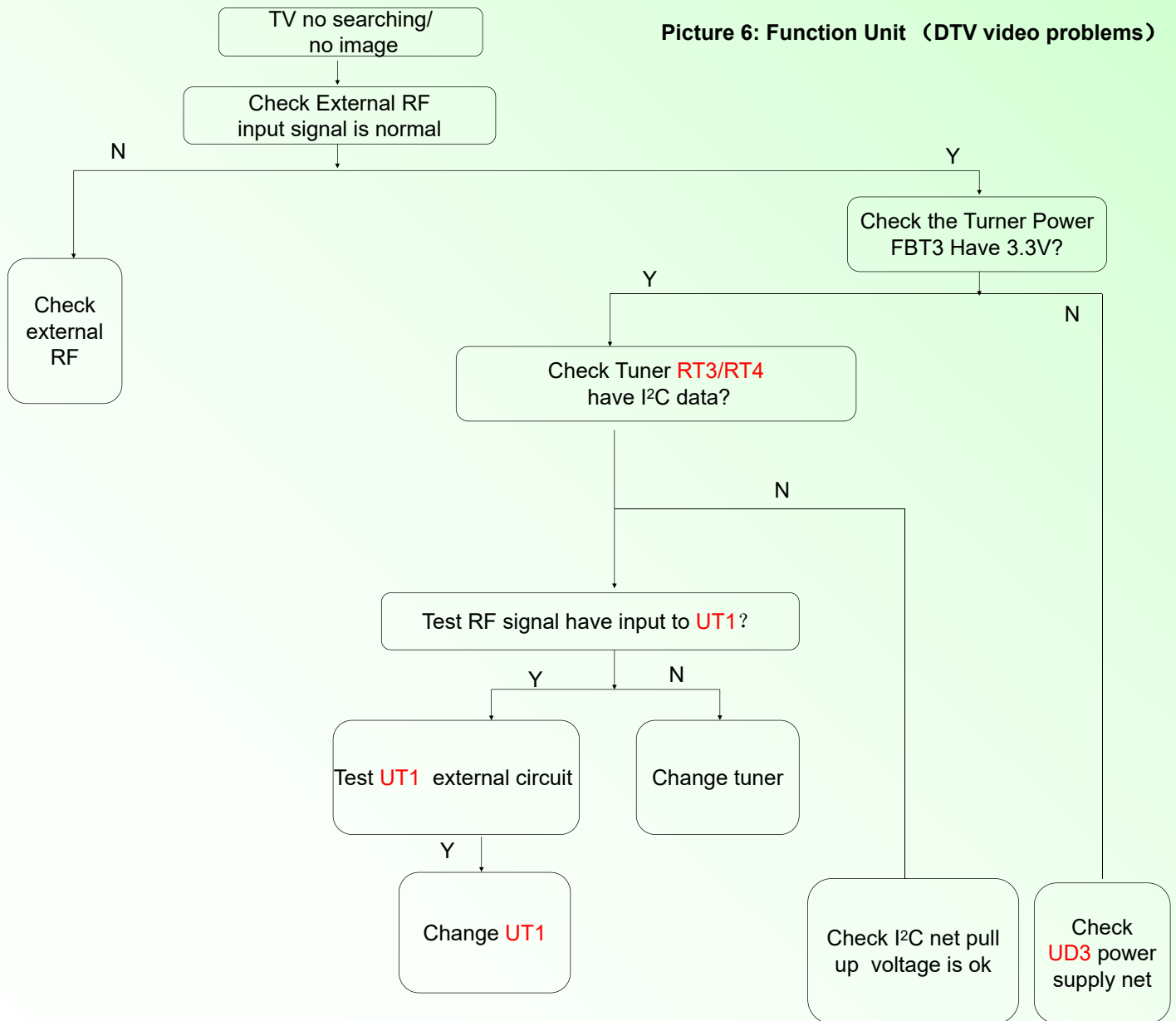


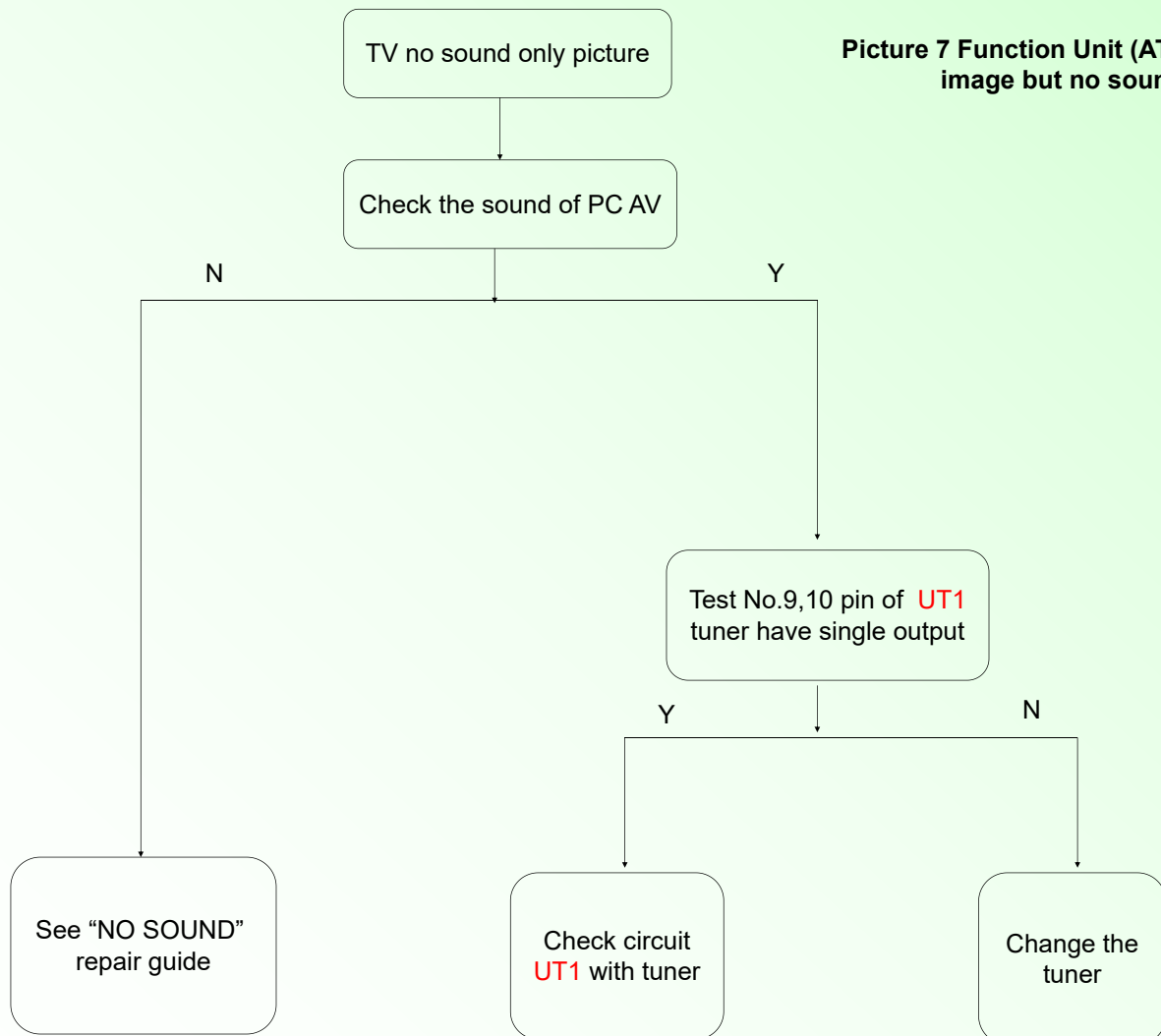
Picture 4 Audio Unit (no sound)





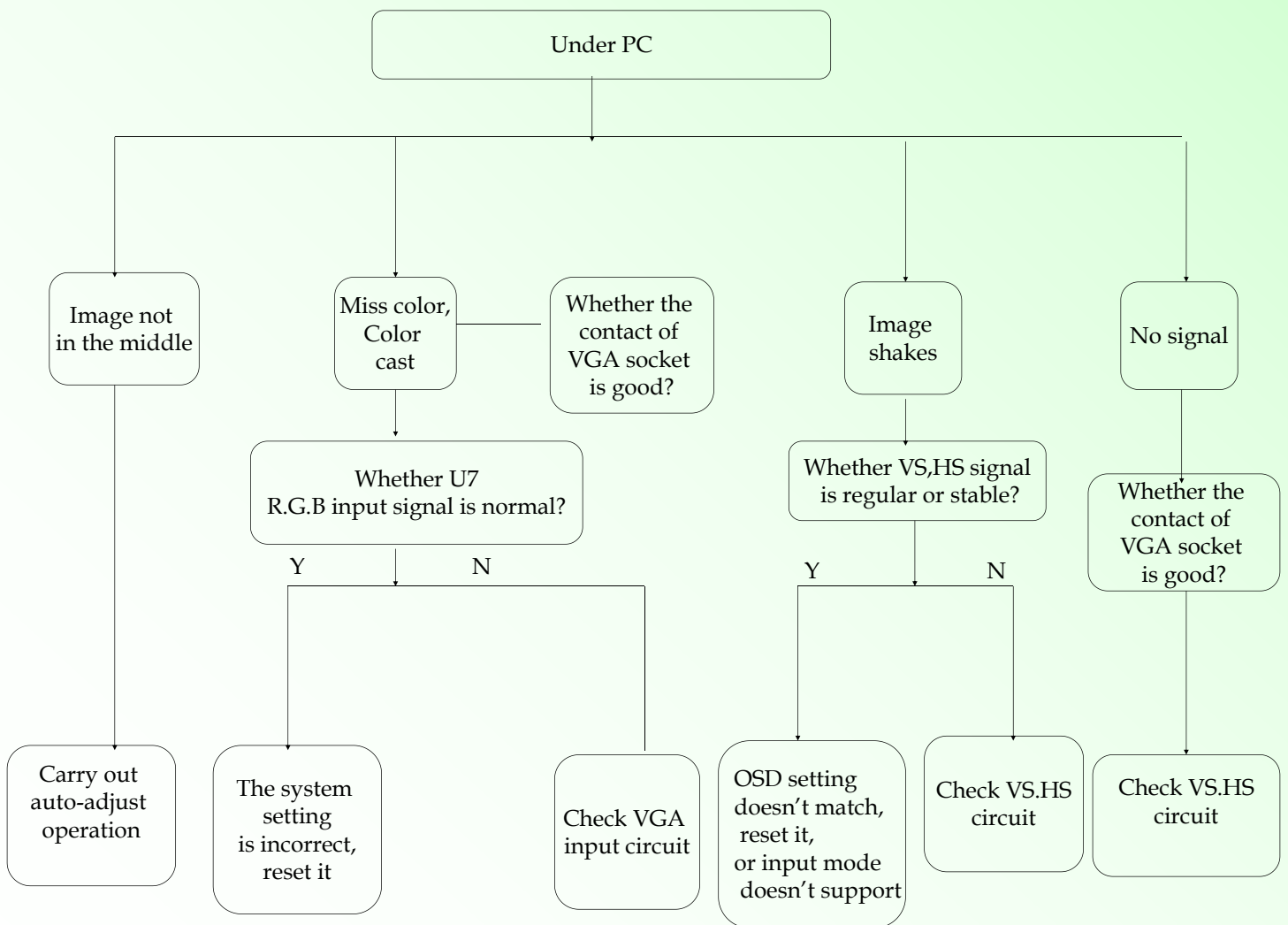
Picture 6: Function Unit (DTV video problems)



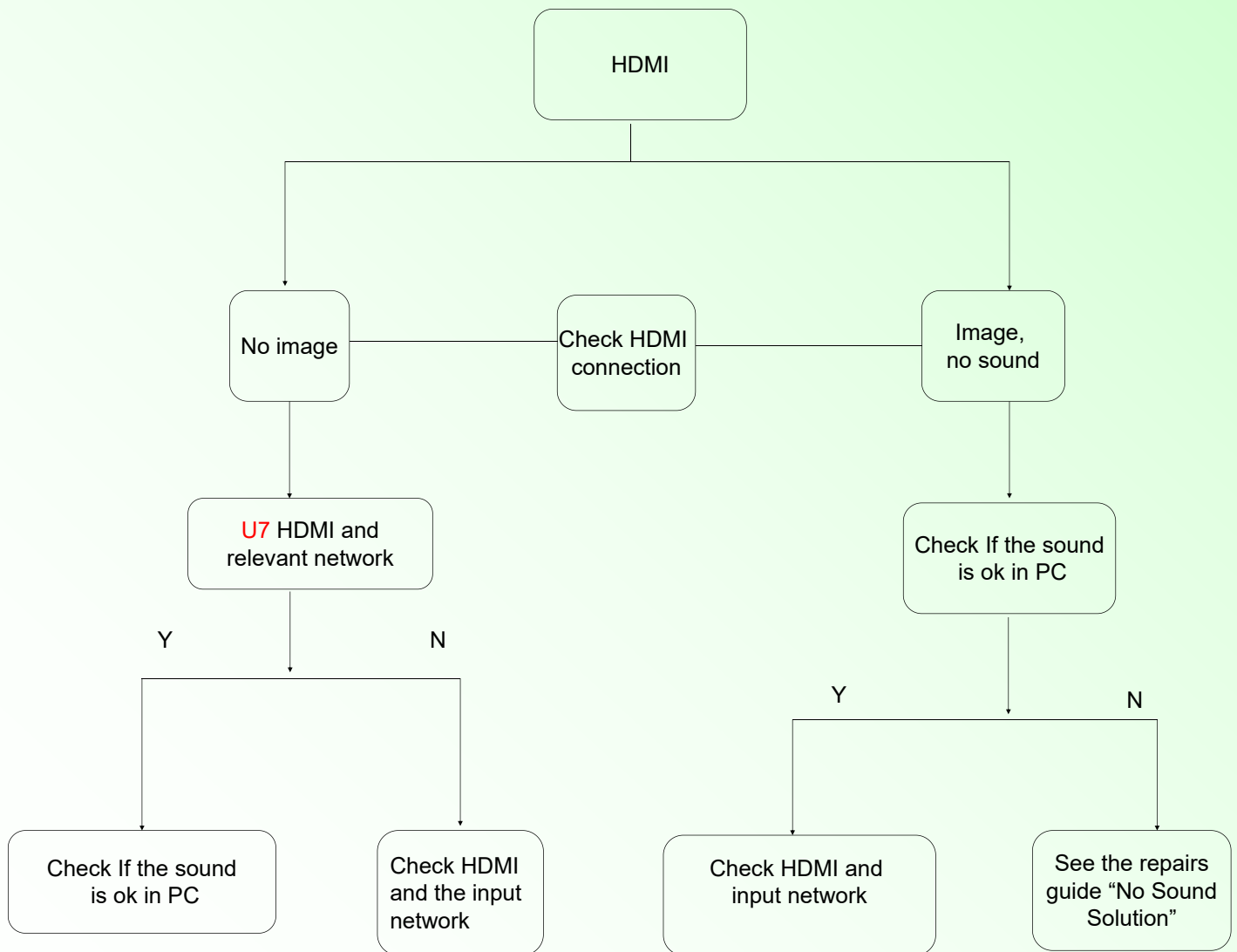


Picture 7 Function Unit (ATV with the image but no sound)

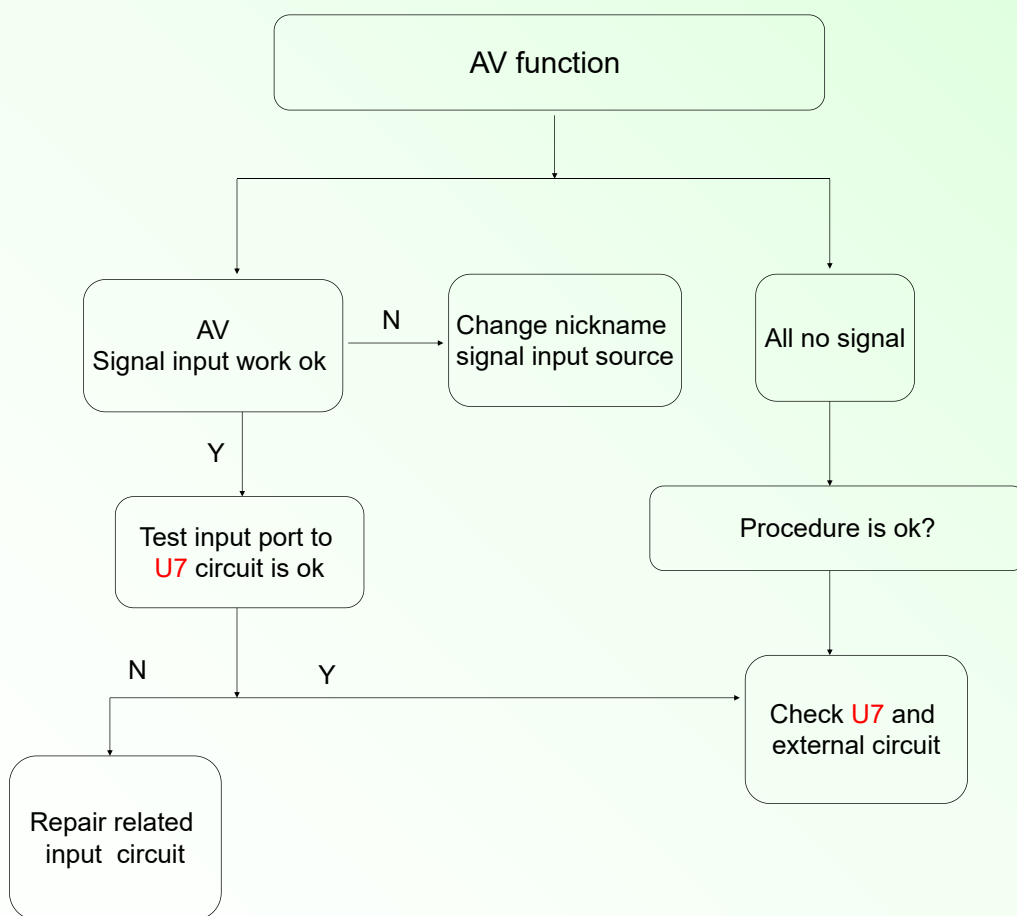
Picture 8
Function unit (PC)



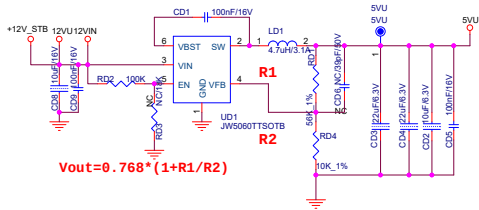
Picture 9 Function Unit (HDMI)



Picture 10 Function (AV)

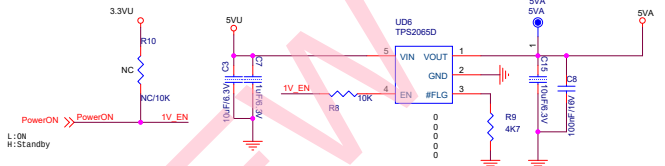


+5V_Standby POWER 3A

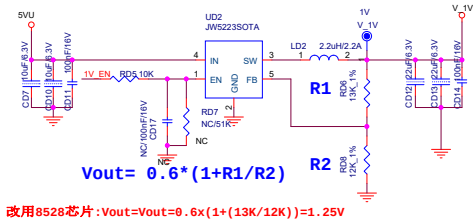


3A

5V Switch Power

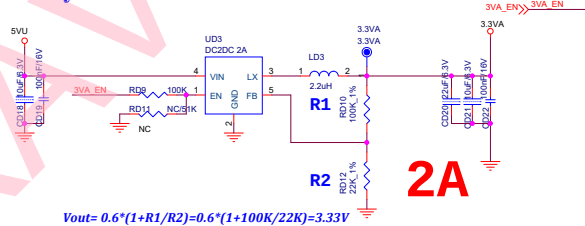


1V System Power 2A



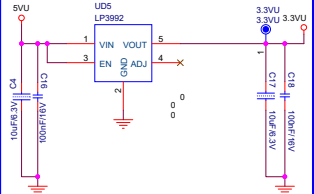
2A

3.3V System Power

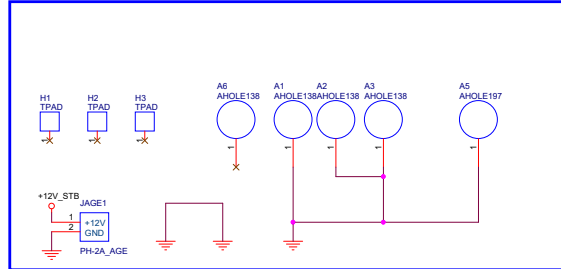
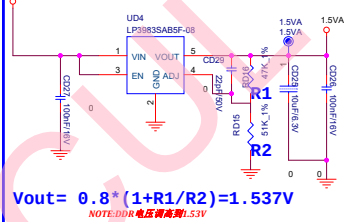


2A

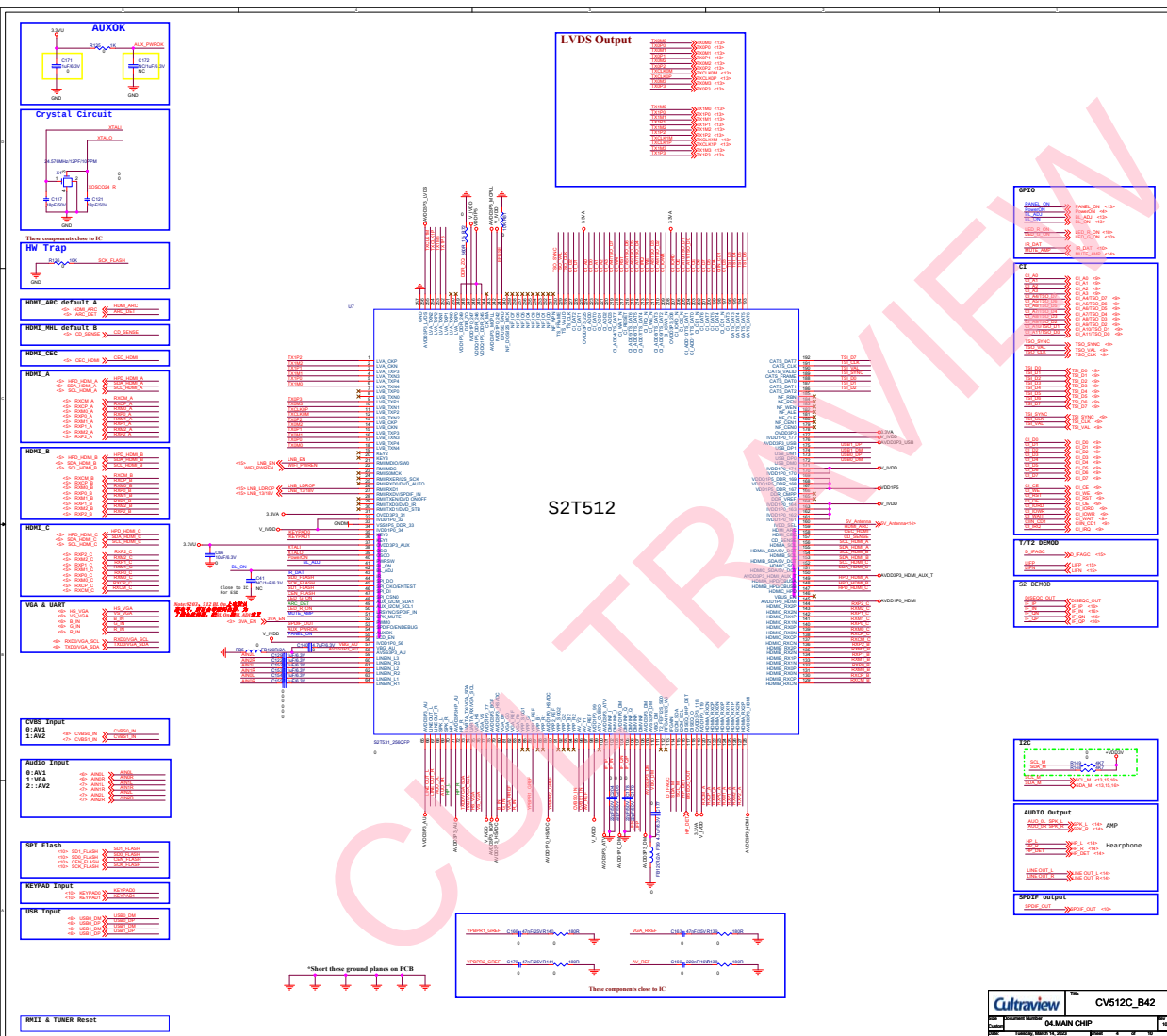
3.3V STANDBY POWER

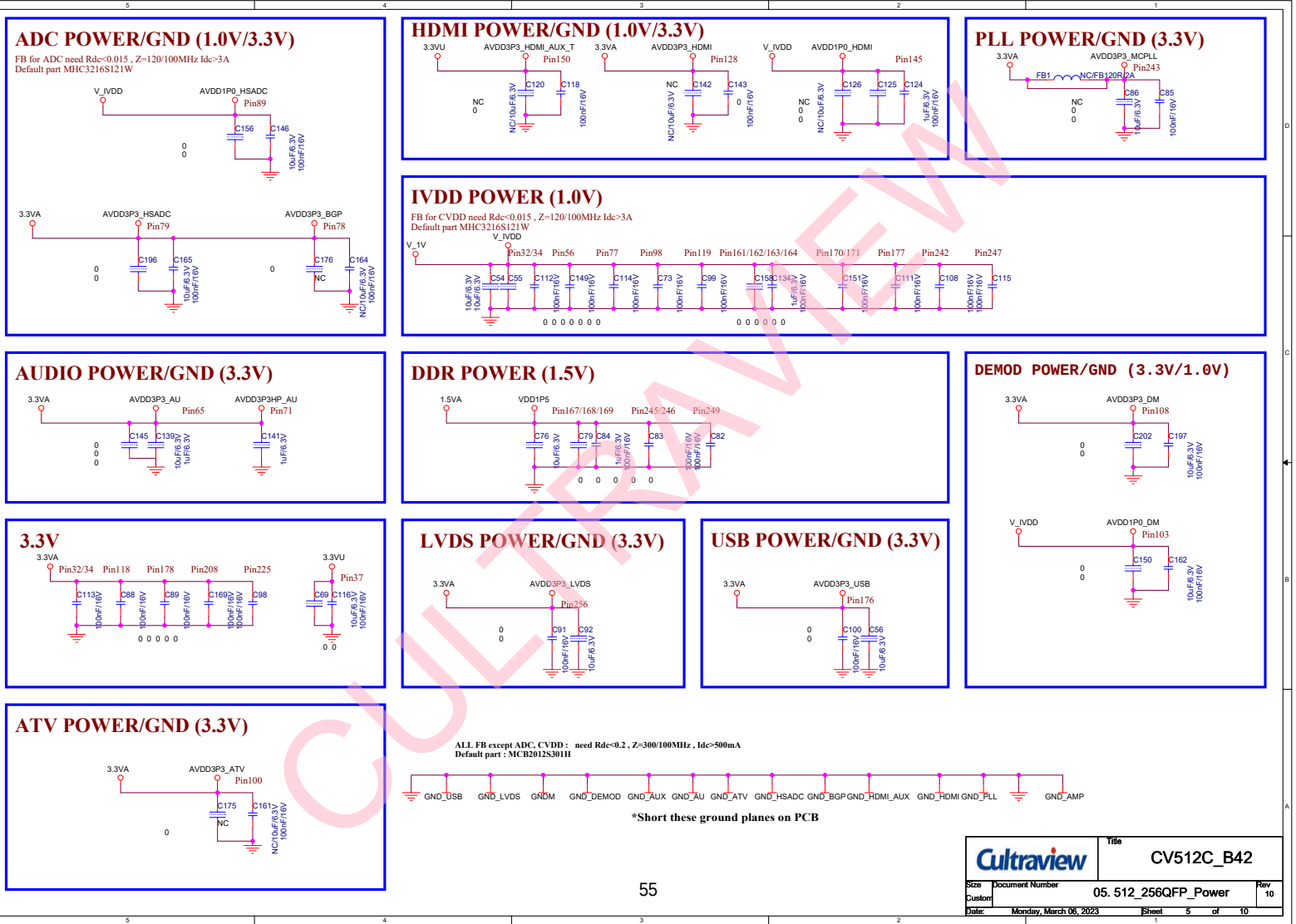


1.5V DDR Power

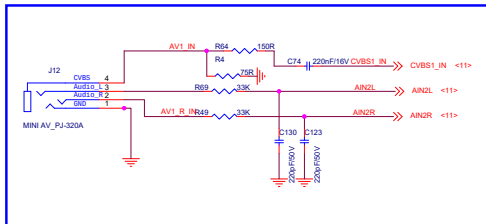


Cultraview		Title	
		CV512C_B42	
Rev	Document Number	03.SYSTEM POWER	
A3			
Date:	Friday, March 10, 2023	Sheet	3 of 10

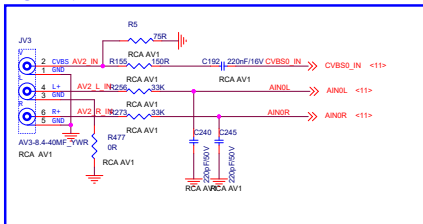




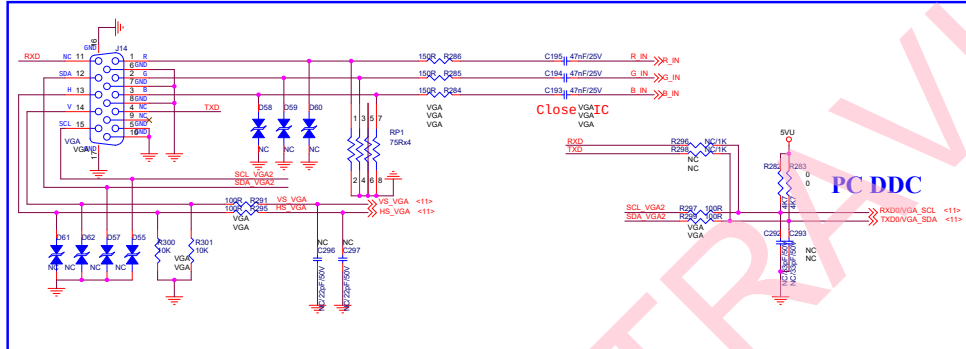
MINI AV2



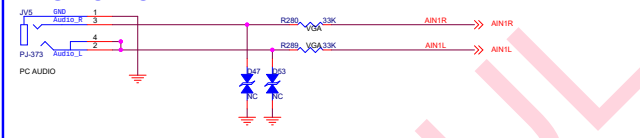
RCA AV1



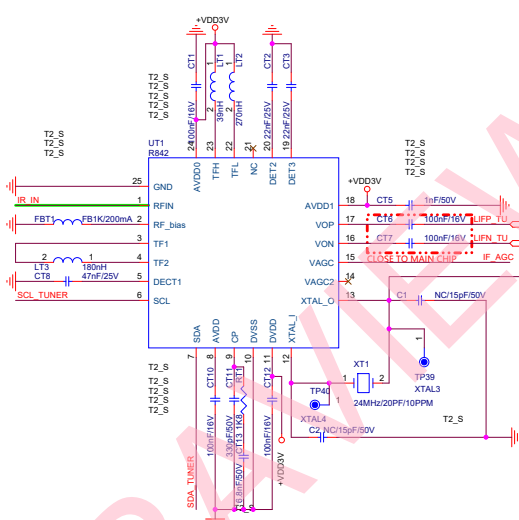
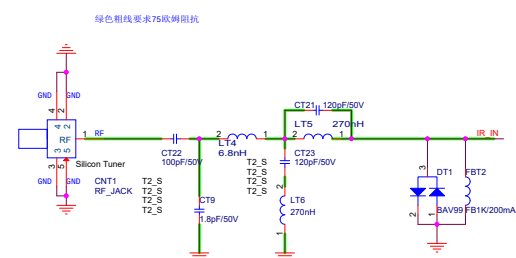
VGA



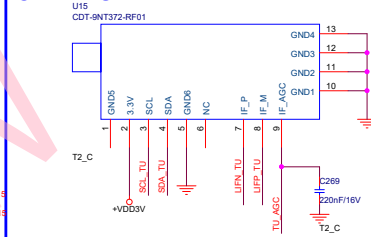
PC AUDIO



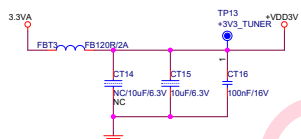
TUNER



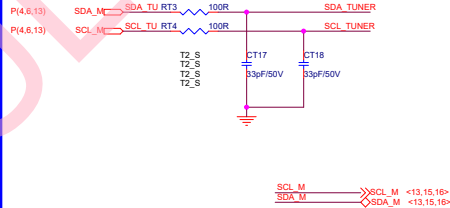
CAN TUNER



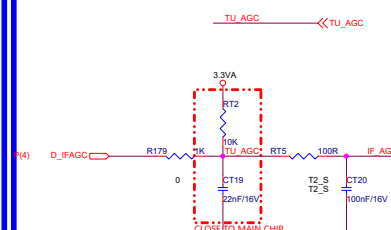
TUNER POWER SUPPLY



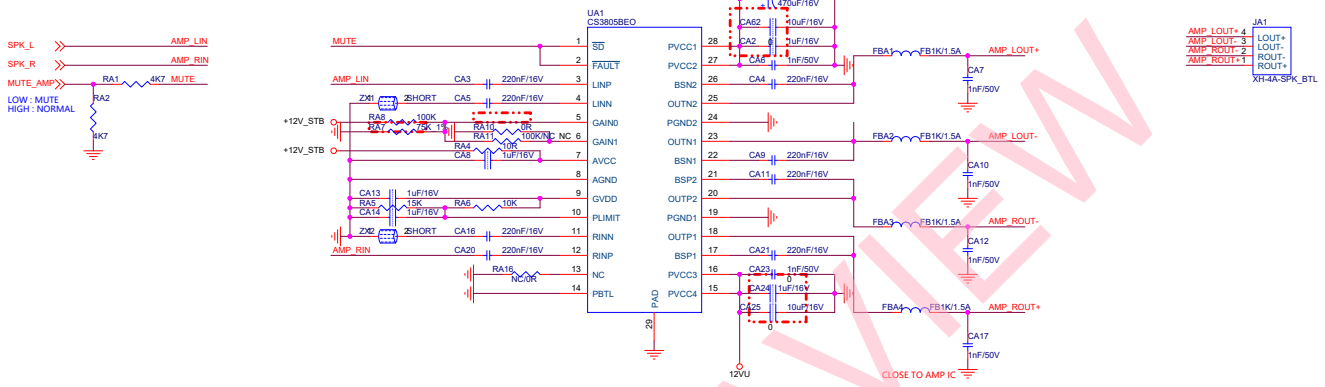
NET



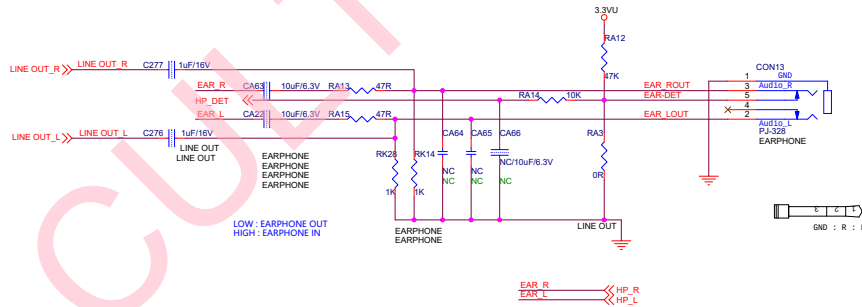
AGC

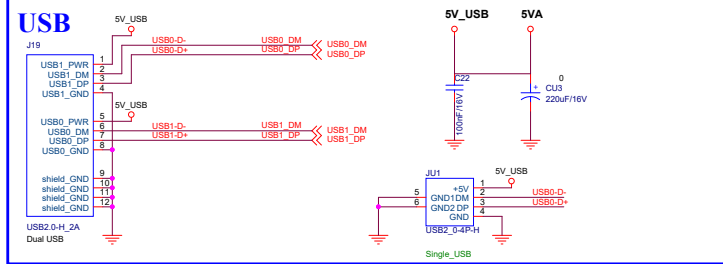


AMPLIFIER

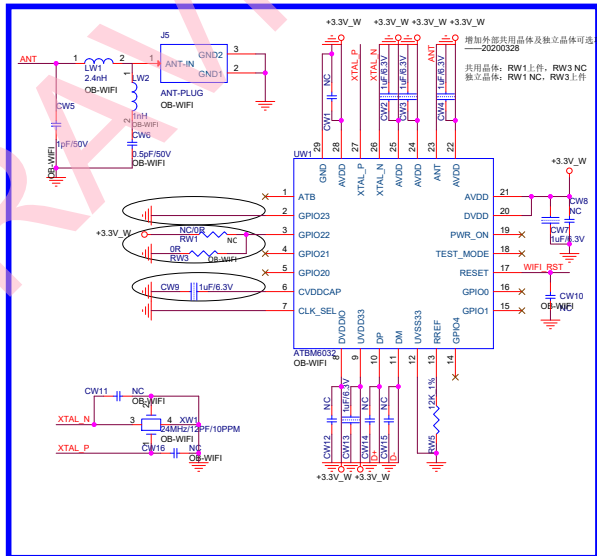
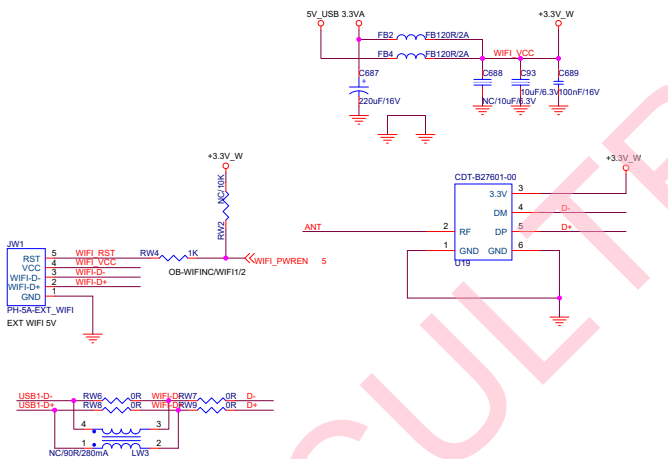


EARPHONE

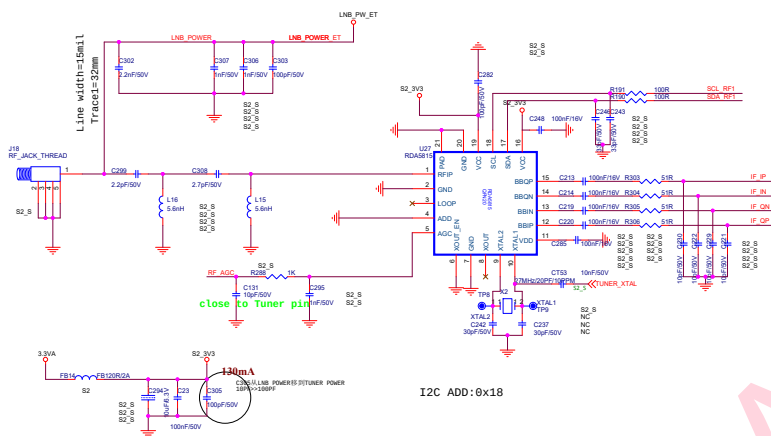




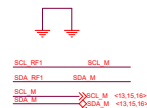
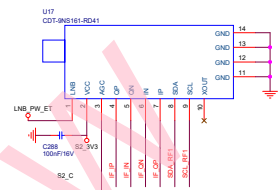
WIFI



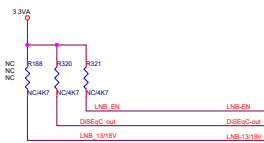
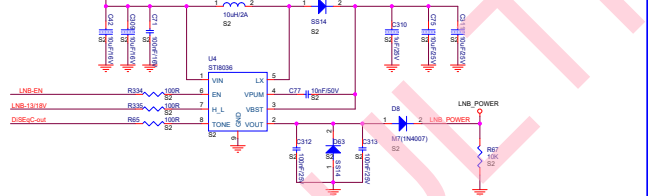
S2 SILICON TUNER



S2 CAN TUNER



LNB Power



8. Instruction of assemble/disassemble

LCD Panel



Remove the Pedestal



Lay down the unit so that rear cover faces upward

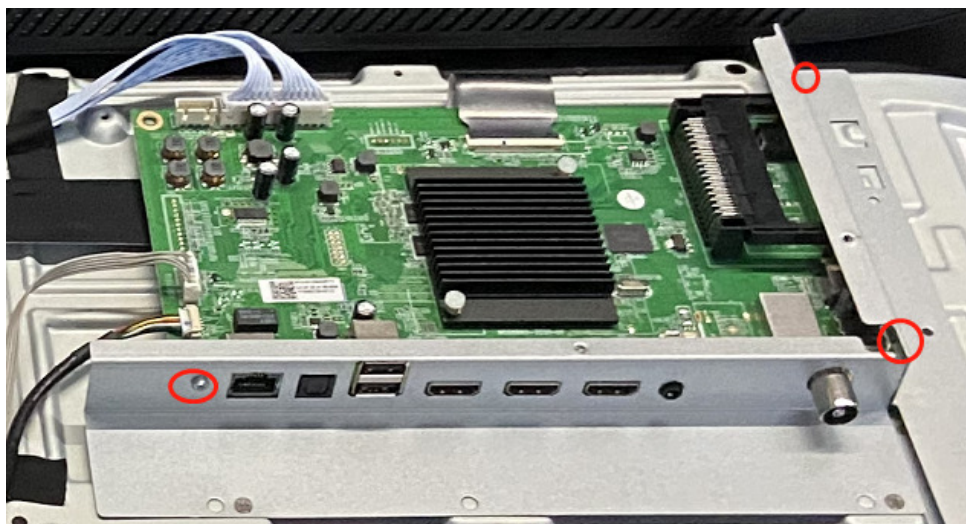
Remove the four screw from the rear cover indicated with Then remove the pedestal

Remove the Back Cover



Remove the these screw indicated on figure above by Then remove the back cover from the unit.

Remove the Main board



Remove the two screw indicated on the figure above by Disconnected the coupler

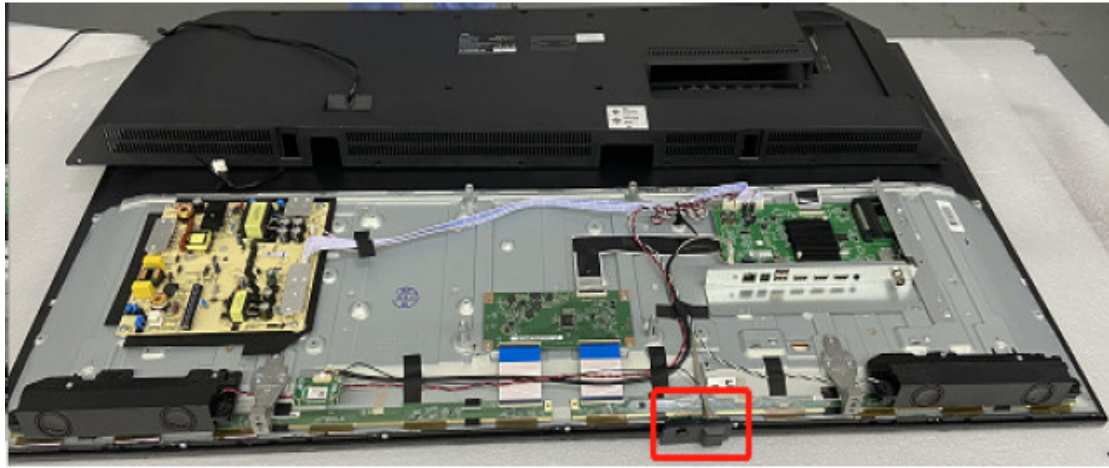
Remove the Main board

Remove the speaker



Take out the speaker

Remove the remote control



9. How to update software

1. According to the link download directly into the U disk root directory (renamed upgrade_no_tvcertificate.pkg (.pkg for file suffix), please ensure that the USB stick only one pkg upgrade file).
2. Plug the USB drive into the TV USB port.
3. Power.
4. Power on (black screen status, light flashes is upgrade, about 6 minutes flickering.).
5. The black screen state ends, the logo appears, and after The circle of Erase appears, the upgrade is successful.
6. When the upgrade is complete, you can view the post-upgrade version under the home page, Setting - Device Preferences - s .

Attention

Power on and off and power on directly.

Solution: 1. Check if there is only one pkg in USB

2. Replace USB

3. Replace the USB port

The screen parameters are not right after the upgrade

Solution: 1. Unplug the USB, power off power, it will screen normally.

Light flashing time is not enough, TV is turned on, software is not upgraded

Solution: 1. Check if there is only one pkg in USB

2. Replace USB

3. Replace the USB port

After the light flashes, the TV is still black screen phenomenon,

Solution: 1. Unplug the USB and power off again.