

MATSUI

Instruction Manual

7 Inches 16:9 Widescreen Colour LCD TV With DVBT



MAT7DB2656E



BEFORE USING THIS PRODUCT, READ, UNDERSTAND,
AND FOLLOW THESE INSTRUCTIONS.
Save this booklet for future reference.

10. MAINTENANCE

- Be sure to press POWER to set the TV to the standby mode and disconnect the AC adaptor before cleaning the TV.
- Wipe with a dry, soft cloth.
- If the surfaces are extremely dirty, wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.
- Never use alcohol, benzine, thinner, cleaning fluid or other chemicals. And do not use compressed air to remove dust

1. IMPORTANT INSTRUCTIONS

1-1 SAFETY INSTRUCTIONS



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
USE THE RECOMMENDED ACCESSORIES ONLY.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

The graphic symbols on the back cover of the set mean the following:



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of unisulated dangerous voltage. Within the product's enclosure, there may be full 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.

Damage

Never use your TV if it is damaged in any way. Always place your TV on a flat level surface avoiding anywhere which may be subject to strong vibration.

Weather

It is advisable to unplug the aerial during an electrical storm.

Temperature

Avoid extremes of temperature, either hot or cold, place your TV well away from heat sources such as radiators or gas/electric fires.

Naked Flames

Naked flames such as candles and night lights should not be placed on or near your TV.

Ornaments

Vases and other water containers or lamps should not be put on top of your TV set.

Moisture

Do not allow your TV to be exposed to rain, moisture, dust. If any liquid is spilt into your TV it can cause serious damage. If you spill any liquid into your TV switch it off at the mains immediately. Contact your store.

Car Use On no account must this unit be used by the driver of a moving motor vehicle. If the unit is being used by a passenger in your vehicle, make sure that it does not cause distraction to the driver, is secured or held safely and does not obstruct any safety device

CHAPTER 1 IMPORTANT INSTRUCTIONS

(e.g. airbag, seat belt, etc.) that is fitted. It is advised that this product is installed in the rear of the vehicle only. Make sure that it is always securely fastened before use. Never place the product in a position where a sudden stop will cause it to become dislodged.

Ventilation

The TV must be well ventilated. Do not cover your TV or place it inside a small confined space. Make sure that there is a gap of at least 10cm on both sides and 20 cms at the top.

Interference

Do not place your TV on or near appliances which may cause electromagnetic interference (TV or Hi-Fi speakers). If you do, it may adversely affect the working of the unit, and cause a distorted picture or sound.

Screen Burn

A characteristic of Plasma and LCD TV Panels is that displaying the same image for a long time may cause a permanent after-image to remain on the screen. This is called screen burn. Most pictures shown on your TV will be constantly moving and fill the screen.

Examples of images that you need to watch out for are as follows (this is not an all-inclusive list):

- Black Bars:** If black bars appear at the left/right or top/bottom of the screen it is recommended to change the format so that the picture fills the entire screen.
- TV Channel Logos:** e.g. Shopping channel logos and pricing displays - especially if they are bright and stationary. Moving or low-contrast graphics are less likely to cause ageing of the screen.
- PIP and Multipip:** Do not view for long periods of time using the PIP or Multipip functions.
- Time Displays**
- Teletext:** Do not view a stationary page for long periods of time.
- TV/DVD Menus:** e.g. Listings of DVD disk content.
- Pause Mode:** Do not leave the screen in pause mode for long periods of time, e.g. When watching DVDs or videos.

Note: To prevent screen burn if viewing any of the above for long periods of time, reduce contrast and brightness when viewing. Once burn-in occurs it will never disappear completely.

Batteries

Batteries are easily swallowed by young children. Do not allow young children to play with the remote control unit.

Covers

Do not remove any fixed covers as this may expose dangerous voltages.

Standby

The standby button on the remote control doesn't switch off the TV completely and the TV will continue to draw electricity from the mains supply. Therefore in the interests of safety and to avoid unnecessary energy consumption, never leave your TV in standby while unattended for long periods of time, eg. overnight, while on holiday or while out of the house.

Power Cord

Make sure your TV or TV stand is not resting on top of the power cord, as the weight of the TV may damage the cord and create a safety hazard. Make sure that the mains plug is easily accessible.

Packaging

If you can store the packaging it will prove useful should you need to transport the TV to protect it while it is in transit. Try to reuse packaging wherever you can. If you cannot store it, contact your local authority for details of your nearest recycling facilities.

9. TROUBLESHOOTING

Before requesting service for this player, check the chart below for possible cause of the problem you are experiencing. Some simple checks or an adjustment on your part may eliminate the problem and restore proper operation.

Fault Phenomenon	Resolve
Unit is on, but nothing displays on screen	Insert the plug to the power socket on wall firmly.
"No signal"	Reinstall the antenna and adjust it
	Connect the digital TV tuner antenna aerial to the set top box
	Set the proper parameters of received programs in the system settings menu
Set top box makes a strange sound	Press the Audio or LANG button on the Remote control to select the correct audio track or audio language.

8. SPECIFICATIONS

1. CHANNEL BANDWIDTH: 6MHZ, 7MHZ & 8MHZ
2. EARPHONE OUTPUT : $\geq 250\text{mW}$ (MAX)
3. Display device: Colour TFT LCD
4. Display Screen Size: 7 inches
5. Video Input: 1Vp-p
6. Audio Output: $\geq 1.6\text{V} + 0.2\text{V}$
7. Input Resistance : $75\ \Omega$
8. Power Consumption: $\leq 18\text{w}$
9. Standby Power Consumption: $\leq 0.04\text{W}$
10. Resolution: 1440 (H) * 234 (V)
11. Dots Distance: 0.107(H) X 0.372(V)mm
12. Visible Range: 154.08(H) X 87.05(V)mm
13. Power Source: AC adaptor or car adaptor (normal: DC 12V)
14. Operation Temperature : -5°C to $+45^{\circ}\text{C}$.
15. Measurement: 198(L) X 150 (W) X 31(D) mm
16. Weight: Approx. 478g
17. Connection terminals:
 1. Antenna Jack
 2. Headphone Jack
 3. AV OUT Jack
 4. AV IN Jack
 5. External Power Source Input Jack

Specifications are subject to change without notice.



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste.

There are separate collection systems for recycling in the EU.

For more information, please contact the local authority or your retailer where you purchased the product.



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2. FEATURES

7" TFT DISPLAY

This player has a built-in 7" TFT display w, to provide clear vision, and low radiation.

MANUAL/AUTO TV/ RADIO SEARCHING FUNCTION

MEMORY FUNCTION

DIGITAL VIDEO BROADCASTING RECEPTION

7 DAYS ELECTRONIC PROGRAMME GUIDE (EPG)

MULTI-AUDIO FUNCTION

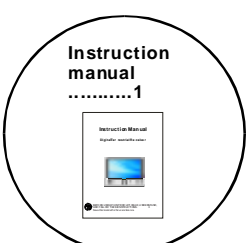
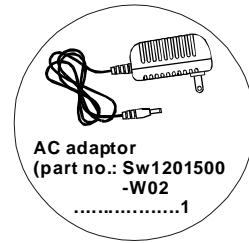
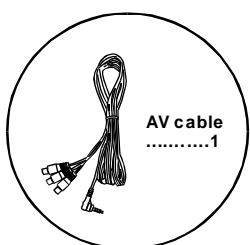
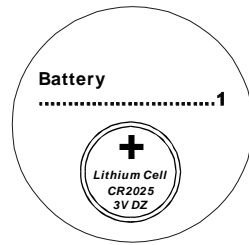
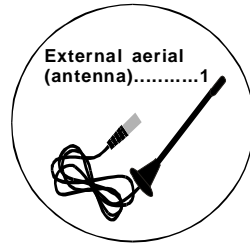
The audio soundtrack can be heard in up to 8 languages. (The number of audio sound languages depends on the software.)

MULTI-SUBTITLES FUNCTION

Subtitles may be displayed in one of a maximum of 32 languages depending on the software.

PARENTAL LOCK FUNCTION

This prevents play unsuitable for children.



Game menu

Press Right navigation button to select Game menu in Main Menu and press Ok or function button on panel to enter.



IF THERE ARE MISSING CHANNELS OR NO CHANNELS ARE FOUND DURING A SEARCH, ENTER "CLEAR DATA" IN "CONFIG" PAGE TO DELETE ALL PROGRAMS, AND THEN BEGIN AUTO SEARCH CHANNEL AGAIN.



Parent Lock

If you select and enter the **Parent Lock** menu ,you can set a lock or modify the password.

-If the **Parent Lock** is set to **ON**, you must input the correct password to enter a locked channel.

-If the **Install Lock** item is set to **ON** , you must input the correct password to enter the main menu. The default password is **8866**.



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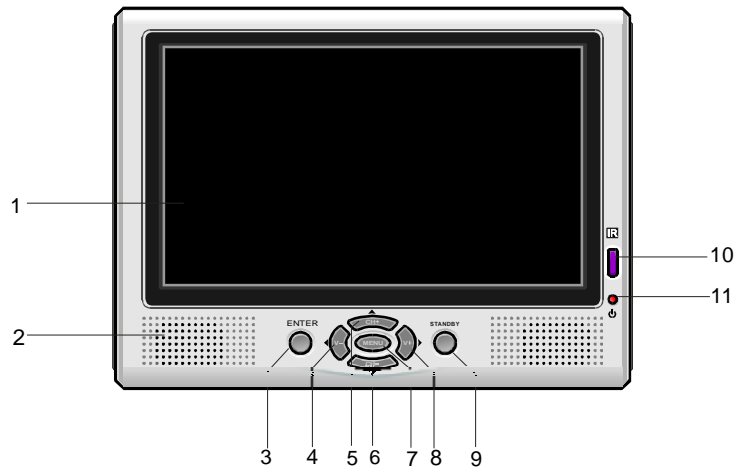
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4. GENERAL PARTS AND CONTROLS

4-1 MAIN UNIT

FRONT VIEW



1. **TFT DISPLAY**

2. **SPEAKER**

3. **ENTER BUTTON** -Can be used as ok button to confirm a operation only in DVB mode.

4. **VOL-/< BUTTON**-To reduce volume or move left.

5. **CH+ / Δ BUTTON**-To select previous channel or move up.

6. **CH+ / ▽ BUTTON**-To select next channel or move down.

7. **MENU BUTTON**-To enter menu setting page.

8. **VOL+ / > BUTTON**-To increase volume or move right.

9. **STANDBY BUTTON**-To set the unit in standby mode.

10. **REMOTE CONTROL SENSOR**

11. **LED INDICATOR**

SIDE VIEW

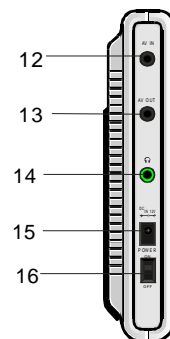
12. **AV IN jack**-use the unit as a monitor

13. **AV OUT jack**-use the unit as a signal source

14. Connect to HEADPHONE for private listening

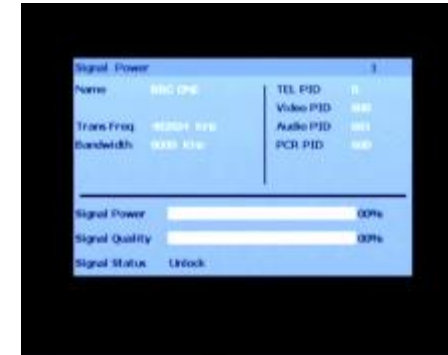
15. **DC IN 12V input jack**

16. **POWER switch**



INFO

Press **INFO** button once, a banner displays on the top of the screen (press again to remove). The banner will show the details of the current channel.



Preference

In the **Preference** menu you can select **Language**, **OSD (ON SCREEN DISPLAY) Setting** and **Parent Lock** items.

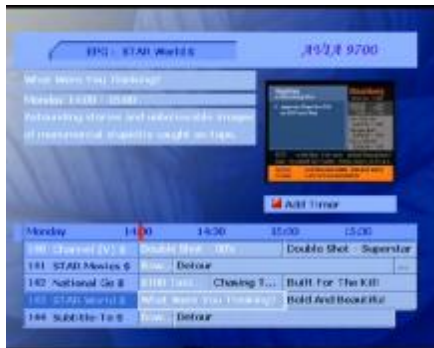
Language

You can select different languages according to **Language** menu.



OSD (ON SCREEN DISPLAY) Setting

Set the color of the menu by Selecting the **OSD Setting** option.



Select an event in your required time zone, and press the **RED** button. The timer will be set according to your preferred time.

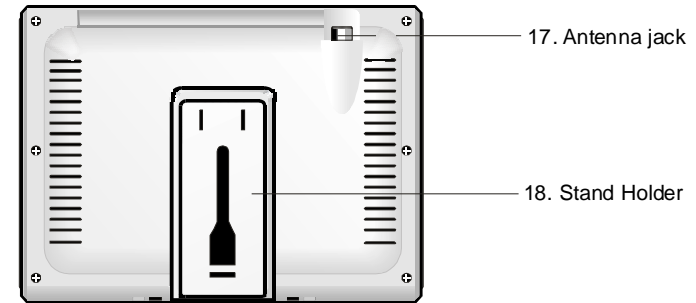


Volume Control

-Adjust volume: Press **Left/right** button on the remote control to adjust the volume.
 -Mute: Press **Mute** button on the remote control to mute the sound. You can cancel the mute function by pressing the MUTE button again or the right **>** button.



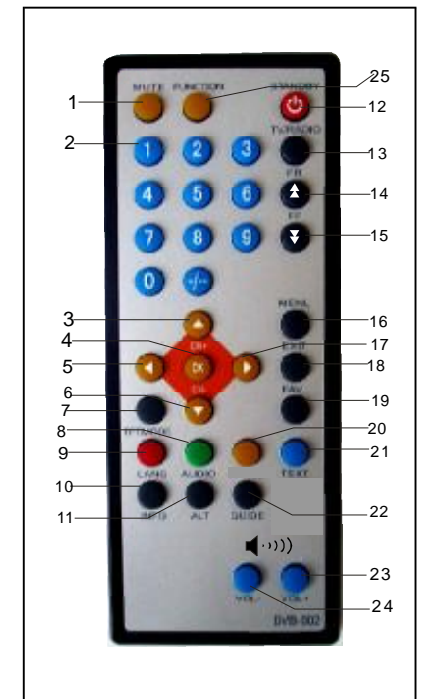
BACK VIEW



NOTE: You must connect external antenna to the unit before TV receiver operation. Before this product is used as a TV make sure the external aerial is connected.

4-2 REMOTE CONTROL

1. **MUTE**-To mute the sound.
2. **NUMERIC BUTTONS**-To input the numeric information, such as channel number and so on.
3. **CH+ / Δ** -To select programme forward or move up.
4. **OK**-To confirm a selection.
5. **◀ button**-To move left.
6. **CH- / ▽** -To select programme reverse or move down.
7. **TFT MODE**-Press this button to enter the TFT MODE menu, move UP or DOWN navigation button to select Contrast, Brightness, Hue, Saturation, Sharpness or Scaling, then move LEFT or RIGHT navigation to set the selected item as you require.
8. **AUDIO** -To select the sound track.
9. **LANG**-To display and change subtitle language.
10. **INFO**-Displays the current programme information.
11. **ALT** -Return to last programme watched.
12. **STANDBY**- To turn on the Unit or put it into standby mode.
13. **TV/RADIO** Switch the unit into TV or radio mode.
14. **FR**-Page down.
15. **FF**-Page up.

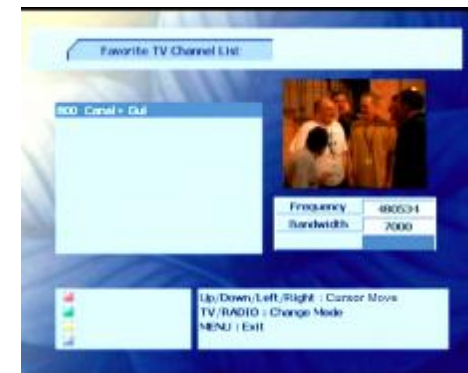


- 16.**MENU** -Displays the main menu and return to the previous menu.
 - 17. **▷ Button** -To adjust volume louder or move right.
 - 18.**EXIT**-To return to parent menu. Pressing this button will also close all menu.
 - 19.**FAV** -Display the user-settings favorite list
 - 20.**red button**-To select different options according to the RED button displaying on OSD meun.
 - 21.**TEXT**-To display current programme information .
 - 22.**GUIDE**-Display the one-week EPG (electronic programme guide).
 - 23.**VOL+** -To adjust volume louder.
 - 24.**VOL-** -To adjust volume lower.
 - 25.**FUNCTION** -If you enter the menu setting, it can be used as OK button to confirm an operation and also can switch the unit to AV IN or TV mode.
- Note: This button is different from the function button on the panel.



Favorite List

Press **FAV** button on the remote control, the screen will display as shown below . You can preview each channel by pressing the **UP/ DOWN** button.



EPG (ELECTRONIC PROGRAMME GUIDE)

The EPG shows the event information of the current channel by time zone. The EPG is divided into Weekly mode, Daily mode, and Extend mode. Press the **EPG** button, the Weekly mode will display as the default mode.



- ① Channel type icon, TV or radio
- ② Current time
- ③ Channel number and the name of channel
- ④ Event name
- ⑤ Teletext icon
- ⑥ Favorite icon
- ⑦ Audio track status, left, right or stereo
- ⑧ Lock status

- MUTE** : Mutes the current channel audio track.
- POWER** : Turns the receiver power on/off.
- SOUND** : Sets the current channel audio track to stereo/ left-mono/ right-mono.
- LANG** : Shows the list of the audio language available in the current channel. (The selected audio language information is stored)
- TV/RADIO** : Switch the unit from TV to radio mode.
- Numeric buttons(0-9)** : You can select channel by inputting the channel number directly.
- Up/Down** : Enter the previous/next channel or move up/down.
- MENU** : To enter the Main Menu.
- OK** : To confirm a selection in any mode.
- EXIT** : Press this button to exit root menu.
- INFO** : If you press the INFO button once, a banner is displayed on the top of the screen, and if you press the button again before the banner has disappeared, the banner will now show the details of the current channel.
- FAV** : Press this button to display Favorite List.
- EPG** : To display the ELECTRONIC PROGRAMME GUIDE menu .

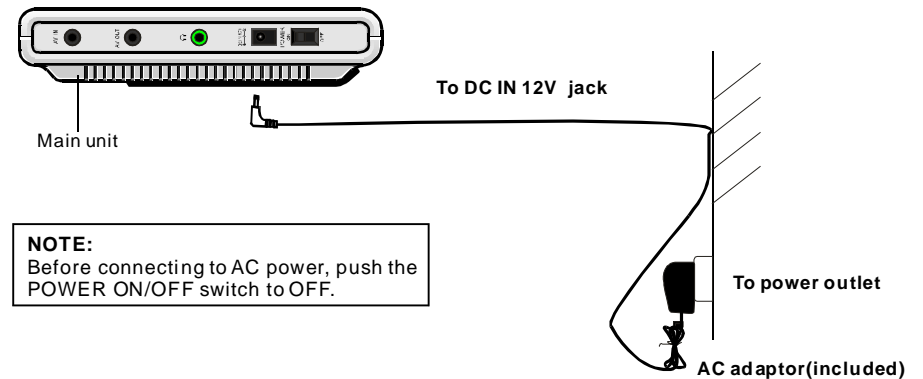
Radio List

If you press the **TV/RADIO/OK** button on the remote control, the screen will display as show below . You can preview the channel and select the channel by pressing the **UP/DOWN** button.

5. BASIC CONNECTION

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

5-1 CONNECTING TO AC POWER SOURCE



NOTE:
Before connecting to AC power, push the POWER ON/OFF switch to OFF.

5-2 CONNECT EXTERNAL AERIAL(ANTENNA) TO UNIT

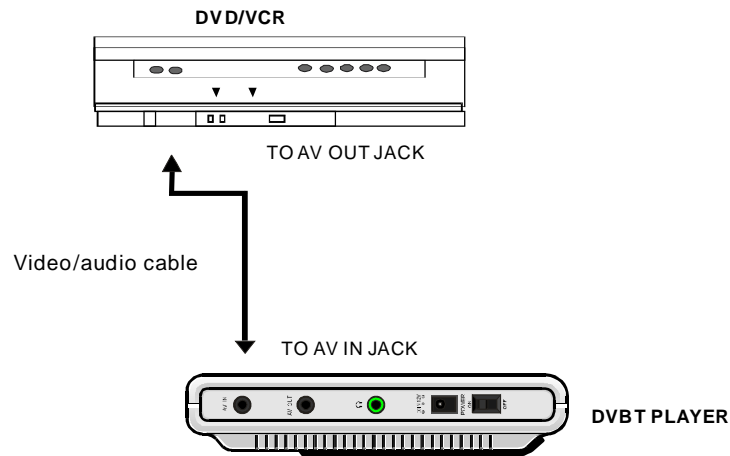
Install external antenna into the aerial (antenna) jack for best picture.

- It is recommended to connect a DVD /VCR.
- Ensure that this player and other equipment to be connected are set to off and disconnect the AC adaptor before commencing connection.
- Ensure that you observe the color coding when connecting audio and video cables.

Note:

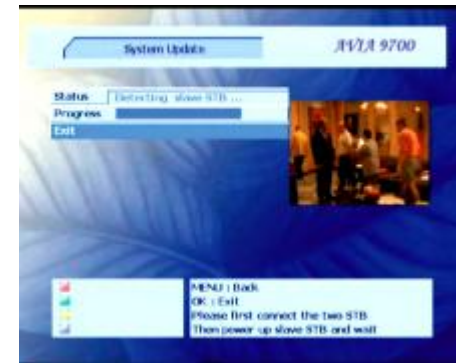
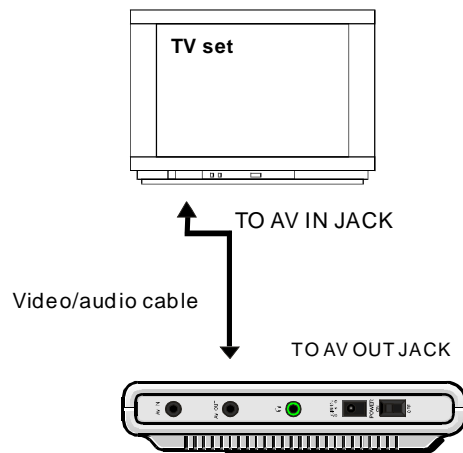
During DVD play, the TV volume may be at a lower level than during TV broadcasts, etc. If this is the case, adjust the volume to the desired level.

5-3 CONNECTING TO EXTERNAL DVD/VCR



5-4 CONNECTING TO TV SET

NOTE: Make sure all the connections are right and the equipment set to the correct mode.



System Information

In **Config** menu, you can select **System Information**. The **System Information** menu shows the system information including the Firmware version and mode name.



Playback

In play status, various menus will display on the screen by using the remote control. You can change the current status and mode by pressing different buttons.

Program information

The display at the bottom of the screen shows the information of the current channel.

- Delete All Programs : Deletes the stored channel data only ,other setting are not deleted.
- Reset To Default : Delete all the current data stored, and reset to factory setting.

TV Setting

In **Config** menu , you can select the **TV Setting** options.

Press left or right navigation button to switch the picture display scaling between 4:3 and 16:9 mode.

The picture is incised, not full.

Those buttons are according to those on the remote control.



Set Time

In **Config** menu , you can select **Set Time** to set your SET TOP BOX time. This function is used for EPG and some timer settings. If your broadcast station provides GMT, you can set the time with GMT or set personal time.

- If the **GMT usage** is set to **On** and **Current time** is automatically set ,you can set the time zone only.
- If you set **GMT Usage** to **OFF**, then the calendar window will appear on screen.
- You can select a date from calendar.



System Upgrade

You can set **System Update** via an other SET TOP BOX.

6. REMOTE CONTROL PREPARATION

6-1 BATTERY INSTALLATION

Install the battery as shown in the picture below(fig1). Be sure negative and positive terminals are positioned as indicated in the battery compartment.

6-2 SERVICE LIFE OF BATTERIES

- The batteries normally last for about one year although this depends on how often, and for how often the remote control is used.
- If the remote control fails to work even when it is operated near the player, replace the batteries.
- Use one size CR2025 battery.

Note:

- Do not drop, step on or otherwise impact the remote control. This may damage the parts or lead to malfunction.
- If the remote control is not going to be used for a long time, remove the battery.

6-3 REMOTE CONTROL OPERATION

Point the remote control from no more than about 6 m from the remote control sensor and within about 60° of the front of the player(Fig2).

NOTE:

- The operating distance may vary according to the brightness of the room.
- Do not point bright lights at the remote control sensor.
- Do not place objects between the remote control and the remote control sensor.
- Do not use this remote control while simultaneously operating the remote control of any other equipment.

Fig1

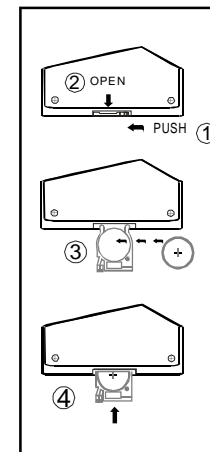


Fig2



7. OPERATION

MAKE SURE ALL THE EQUIPMENT AND AC ADAPTOR ARE CONNECTED PROPERLY AND THE UNIT IS SET IN CORRECT MODE BEFORE OPERATION.

7-1 ENTER

- Connect the external aerial (antenna) to the antenna aerial located on the back of the unit.
- Switch the unit to on.
- Press TV /RADIO button to enter TV/ RADIO mode. You also can switch between modes by pressing the FUNCTION button.

Note: If there is no signal or the signal is too weak, the screen may be black or distorted.

7-2 BASIC OPERATIONS

SELECT WANTED PROGRAM

1. Press CH - button to enter next channel.
2. Press CH + button to enter previous channel.
3. Press number buttons on the remote control directly to select programme numbers 0 - 9.
4. To select two numbers, press the “-/-” button and choose the “-/-” mode, then enter your programme numbers.

VOLUME CONTROL

Press the V+ or V- to adjust the volume.

NOTE: The level of VOLUME and BALANCE can be adjust from 0-24.

MUTE CONTROL

Press the MUTE button to mute the sound, press MUTE again or the V+ button to switch the sound ON again.

TFT MODE

Press TFT MODE button, the screen will display:



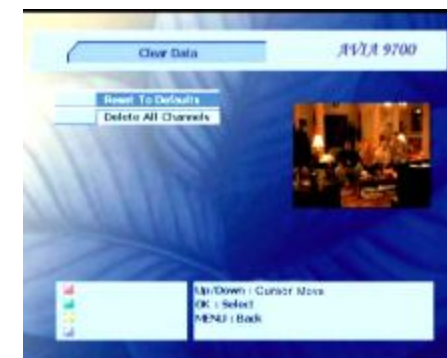
Config

In the main menu, you can press the left or right button to select the **Config** icon. In this menu, you can select **Clear Data, TV Setting, Set Time, System Update** or **System Information**.



Clear Data

In **Config** menu, you can select **Clear Data** item.



Auto Search

In **Scan** menu , you can select **Auto Searching** . You can search all programs with this menu in the default frequency range.



Manual Searching

In **Scan** menu, you can select **Manual Searching** item.

-Select **TP Frequency** and **Bandwidth**.

-Switch **Auto Mode** to **NO**

-Select the **Trans Mode** and **Guard Interval** parameter.

-If there are some signals displaying in

Signal Power and **Signal Quality**. Press the **RED** button to search program. If there is no signal, please check the parameter setting.



Move the UP or DOWN navigation button to select Contrast, Brightness, Hue, Saturation, Sharpness or Scaling, then press the LEFT or RIGHT navigation button to adjust the level of the selected item.

NOTE: The level of Contrast, Brightness, Hue and Saturation can be adjusted between 0-100. And the level of Sharpness can be adjusted 0 - 3. The Scaling can be adjusted between 16:9 and 4:3 modes.

Press TFT MODE button again to exit the TFT MODE Menu Page.

7-3 MAIN MENU

The unit contains different setting menus.

-Press the **MENU** button the screen will display:



-press the **MENU** button again to return to the previous menu.

-Press **OK** to confirm a selection.

-Press **CH +/CH-** To move up or down.

-Press **EXIT** to exit all menus.

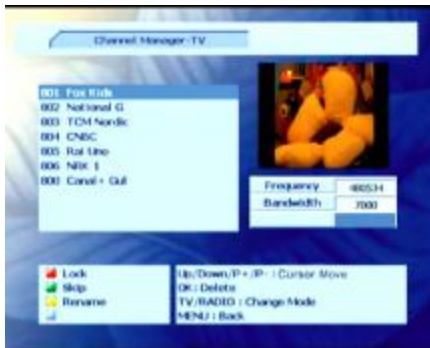
Edit

In the main menu, you can press left or Right button to select **Edit** item . In this menu, you can select **Channel Manager**, **Add Favorites** or **Favorite Manager**.



Channel Manager

You can edit channel information in the **Channel Manager** Menu . Press **TV/Radio** button to display TV or radio channel list. According to the menu, you can set the channel position.



Add Favorites

Press **Add Favorites** button, you can select channels from the current TV/ Radio list as favorite channels.



- Select the desired channel by pressing the Up/Down button, and then press the **Red** button on the remote control to set selected channel as one of favorites. Press the **Red** button again, the selected channel will be cancelled from your favorite list.
- To select Radio channel on the TV list, press the **TV / Radio** button on the remote control, and then press the **TV/Radio** button to select TV channel on the Radio channel list.
- Press the **MENU** button to exit current menu, the screen will display a dialog, this dialog will show you how to confirm your operation.
- Press the **Fav** button to enter the favorite list while watching TV (or listening to Radio) in normal state.

Favorite Manager

The function operations are the same like the channel manager menu operations.



Scan

Press the left or right buttons to select **Scan** icon from the main menu. In this menu, can select **Auto Searching** or **Manual Searching** .



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