Michley Tivax

Tivax HiRez^9 9'' Digital TV

User Manual

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Safety Warnings

IMPORTANT SAFETY INSTRUCTIONS

Always be careful when using this product. To reduce the risk of fire, electrical shock and other injuries, keep these safety precautions in mind when installing, using, and maintaining this product.

- Be sure to read this user's manual before starting to use product.

- Never open the cover. It is very dangerous to touch the inside of the unit due to possible electric shock.

- When you don't use the unit for a long time, please remove the power cord from the outlet. Also, do not use a damaged power cord.

- Do not touch the power connections with wet hands. If there is liquid flowing into the unit, pull out the power cord immediately as it may cause fire or electric shock.

- Place the unit in a well-ventilated environment.

- When the unit is suddenly moved to a hot area from a cold area, it may cause problems. In such case, turn off the power, and turn back on after 1-2 hours.

. General Information

1 Introduction

Thank you for purchasing the Tivax HiRez[9].We designed it with easy-to-use on-screen menus and closed captioning capabilities, making it one of the best in its class. We are proud to offer you a product that will provide convenient, dependable service and enjoyment for years to come. Please read this user's manual carefully to safely install, use and maintain the HiRez[9] for maximum performance. Please keep this user's manual for future reference.
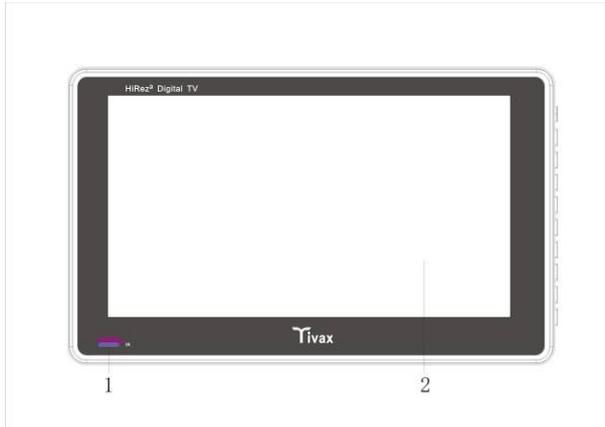
Note: Instructions and figures in the manual are just for your reference. There may be a slight variation in your HiRez[9] model.

2 Features

· Fully ATSC compliant

· Electronic Program Guide (EPG)

· Supports 4:3 center cut-out of 16:9 transmitted image, letterbox output of 16:9 letterbox transmitted image, and a full or partially zoomed output of unknown transmitted image

· Closed Captioning, Emergency Alert System (EAS) and Parental Controls (V-Chip)

· Signal Quality Indicator
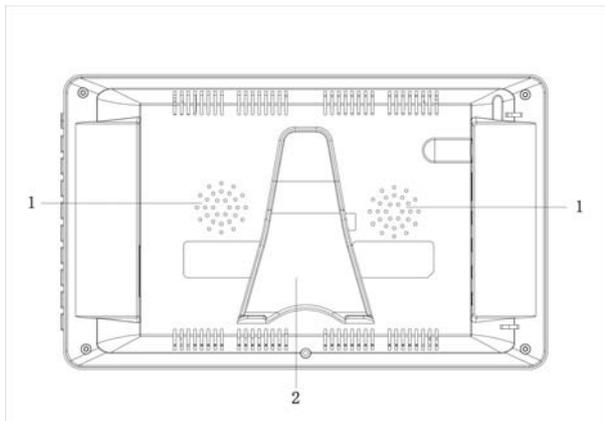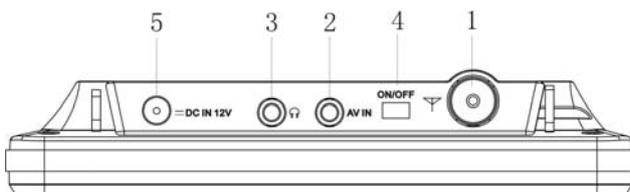
.OVERVIEW

1. Front Panel

1. IR receiver window
2. LCD display

2. Rear Panel

1. Speakers
2. Support

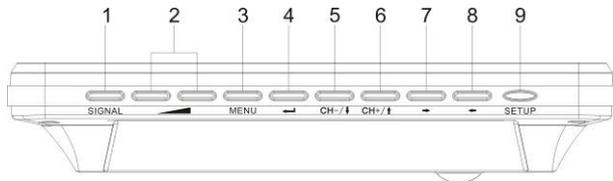   Insert tabs on TV stand into slots on back of TV

3. Left Panel

1. Antenna socket for Connecting to antenna.

. OVERVIEW

2. A/V In for audio/video signal input

3. Earphone jack for connecting to earphone

4. Power on/off switch

5. Connecter for 12Volt AC to DC adapter

4. Right Panel

1. SIGNAL

Press to display the signal strength

2.

Press these buttons to decrease/ increase the volume when the main unit is in play mode

3. MENU

Press to turn on/off the main menu page

4. ←

Press to select a channel after you input a channel number

5. ⇩/CH-

1) Channel down

2) Moves cursor down

6. ⇧/CH+

1) Channel up

2) Moves cursor up

7. ⇨

1) Moves cursor right

2）Press this button to adjust LCD mode

8. ⇦

1) Moves cursor left

2）Press this button to adjust LCD mode

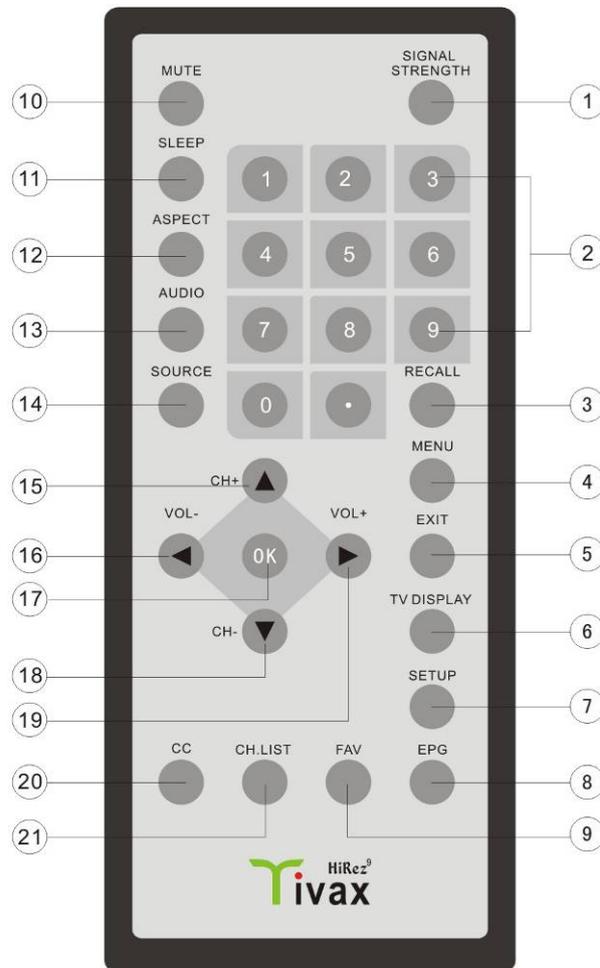**9. ⏻ / Mode**

Press mode to switch LCD mode: Brightness, Contrast, Color, LCD display mode, Invert. Then press Cursor left / Cursor right to adjust.

(1) Brightness: level 0 to level 32

(2) Contrast: level 0 to level 32

(3) Color: level 0 to level 32

(4) LCD display mode: switch screen size 16:9 or 4:3

(5) Invert: switch screen normal or reverse

(6) TFT system default

. OVERVIEW

5. Remote-Control Unit

1. SIGNAL STRENGTH   Press to display signal strength

2. 0 ~9   Press to enter required numbers in the input box or select a channel to watch

3. RECALL   Return to previous TV program. Press to return to the previous menu

4. MENU   Press to display the Main Menu on the screen

5. EXIT   Press to exit the menu

6. TV DISPLAY   Press to show information of the current channel

7. SETUP   Press to switch LCD mode

8. EPG   Press to display the on-screen Electronic Program Guide (EPG)

. OVERVIEW

9. FAV   Press to display the favorite channel list

10. MUTE   Switches off the speakers or earphone

11. SLEEP   Press this key to adjust power saving mode timer

12. ASPECT   Press to select the aspect ratio, 16:9 or 4:3

13. Audio   Press to select the audio language

14. Source   Press to select input from these sources: TV or A/V

15. ⇧/CH+   Navigation keys in menu **/** Channel up

16. ⇦ / VOL-   Decreases the volume

17. OK   Press to select a channel after you input a channel number or get the content in page on RRT Vchip selection mode

18. ⇩ /CH-   Navigation keys in menu / Channel down

19. ⇨ /VOL+   Increases the volume

20. CC   Press to turn Closed Caption on or off

21. CH.LIST   Press to display the current channel list

Ⅲ. Quick Installation

STEP1: Powering on

      1> Connect indoor or outdoor antenna to HiRez^9 antenna socket

      2> Turn power switch **ON** to power on unit

STEP 2: Search for program

      If this is a new TV, or you have moved to a new location after your last channel search, or if you want to add a new program to the program list, you need to run auto search. Please refer to the page 12 for more details.

STEP 3: Play program

      After auto search is complete, you could select the desired program by using CH up/down or key in the channel number.

NOTE: All functions can be operated by using the keys on the RCU (Remote Control Unit), and some of the functions can also be operated by using the buttons on the right panel.

Ⅳ. Menu Operation

Press **MENU** key to display the main menu. It consists of six items as follows:

· **Auto Search**

· **CH Setup**

· **CC Setup**

· **EAS Setup**
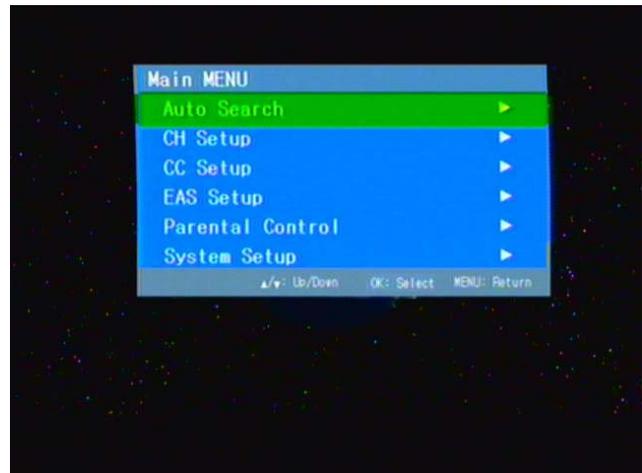
· **Parental Control**

Figure 1

Use the **UP/DOWN** keys to move up and down from one item to another, and press the **RIGHT** key to display the corresponding sub-menu.

Example:
In the Main menu, use the **UP/DOWN** keys to select Auto Search item, and press **RIGHT** key to enter into Auto Search menu. (**Figure 1 - Figure 2)**
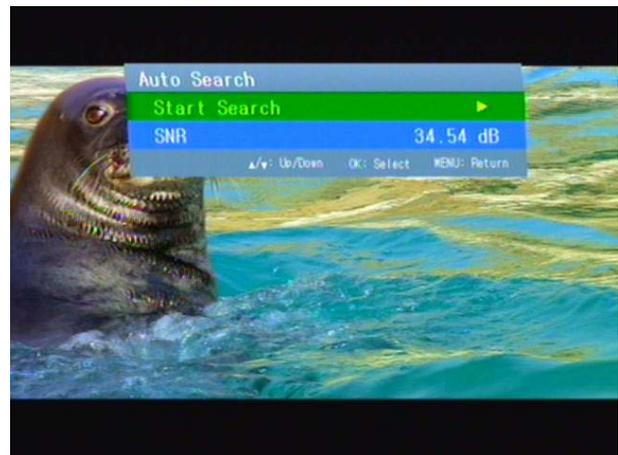

Figure 2

Note: In any page of the menu, you can use the RECALL key to return to the previous menu page, or press MENU key to switch to the Main Menu page and then press the EXIT key to exit the Main Menu.

Ⅳ. Menu Operation

1. Auto Search

Use the Auto Search function to scan for channels during initial setup.

1> Use the **UP/DOWN** keys to select Auto Search in the **Main menu**.
2> press the **RIGHT** key to enter into the Auto Search Menu, on **Source Type** use **RIGHT** select Antenna or Cable,
3> Use the **UP/Down** keys to select **Start Search** then press **RIGHT** key to start. The TV will search for channels automatically. (**Figure 3**).

Figure 3

After the scan is complete, the new found channels will be added to the channel list and the TV will turn to full-screen mode

During the searching, you can press the **LEFT** key to stop. When auto search is completed or stopped, you will see the information as in **Figure 4**

Also, you can press the **EXIT** key to exit auto searching mode.

Figure 4

Ⅳ. Menu Operation

2. CH Setup

In the Main menu, select CH Setup item and press the **RIGHT** key to enter Channel Setup menu (**Figure 5**).

• **Skip / unskip a channel;**

• Skip / unskip a channel

If you want to skip a channel while pressing **CH+/-** key, use this menu, following these two steps:

1> Use the **UP/DOWN** key to select Channel item, then press the **RIGHT** key to select the channel you want to skip

Figure 5

2> Use the **UP/DOWN** key to select the Skip item in the Channel
    Setup menu and press the **RIGHT** key to skip current selected channel (turns Skip function on or off).

3. CC Setup

In this section, you will get enough information about how to set Closed Captioning (CC608/CC708).

1> Use the **UP/DOWN** key to select CC Setup item in the main menu, and press the **RIGHT** key to enter into the CC Setup menu (**Figure 6**).

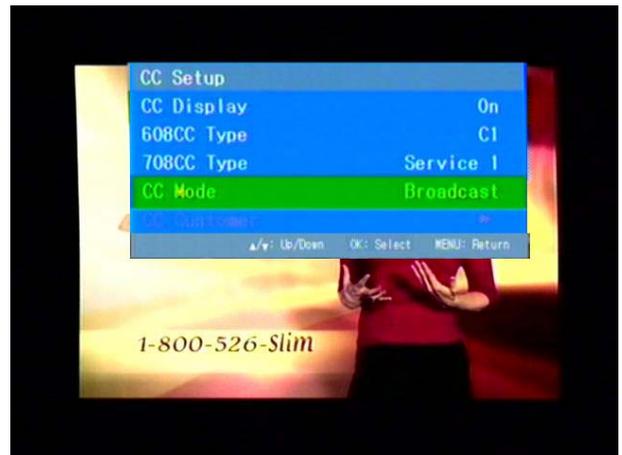2> Use the **UP/DOWN** key to select a sub item, and press the **RIGHT** key to change current item setting.

If you don't want to display the CC when viewing programs, you can set CC Display Off by pressing CC on RC.

Figure 6

If you don't want to change the CC style of current programs, you can set CC Mode to Broadcast mode as **Figure 6**. When CC Mode is Broadcast, CC Customer is grayed-out and cannot be edited.

The default value about CC setup menu is as follows:

CC Display: On;
608CC Type: C1;
708CC Type: Service 1;
CC Mode: Broadcast;

Ⅳ. Menu Operation

Figure 7

You can set the CC style as you like as follows:

1> Use the **UP/DOWN** key to select CC Mode item in CC Setup menu (**Figure 7**) and press the **RIGHT** key to set CC Mode to Customer;

2> Use the **UP/DOWN** key to select CC Customer item in CC Setup menu (**Figure 7**), then press the **RIGHT** key to enter CC Customer sub menu (**Figure 8**)

2> In CC Customer menu, you can use the **UP/DOWN** key to select sub items and use the **RIGHT** key to change settings.

Some important notes about 608CC/708CC

Figure 8

1> If you set CC Display On, and the program has CC608 and CC708 simultaneously, CC 708 display has precedence over the CC608 display.

2> If you have not set the CC608CC and CC708 type to the proper setting, the CC will not be displayed even when the current program contains CC information. Need to review

3> You can't change CC608 style, such as font, color, etc.

CC Option List

Item	Option	Default
CC Size	Small, Standard, Large	Standard
CC Font	Font0, Font1, Font2, Font3, Font4, Font5, Font6, Font7	Font1
CC Opacity	Solid, Trnsl, and Trnsp	Solid
CC color	Black, White, Red, Green, Blue, Yellow, Magenta, and Cyan	White
Font Edge color	Black, Gray, Red , Green , Blue , Yellow , Navy and Dark Gray	Black
Font Edge type	None, Raised, Depressed, Outline, L. Shadow and R. Shadow	None
Background color	Black, Gray, Dark Gray, Red, Navy, Green, Blue and Yellow	Black
Background opacity	Solid, Transparent	Solid

4. EAS Setup

The system can display EAS (**Emergency Alert System**) message broadcast pursuant to 47CFR11.117 of the FCC Rules.

1> In the main menu (**Figure 1**)**,** use **UP/DOWN** key to select EAS Setup item and press **OK** key to enter into EAS Setup menu (**Figure 9**).

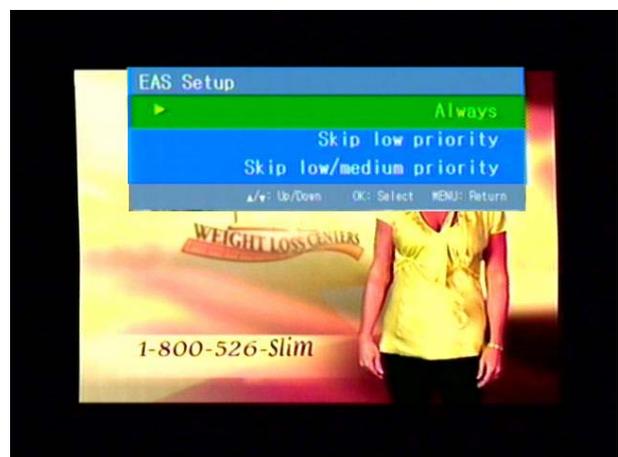Use **UP/DOWN** key to select EAS level and change the current setting.

Figure 9

Ⅳ. Menu Operation

2>   There are three settings: Always, Skip low priority, and Skip low/medium priority. The default setting is Always.

5.   Parental Control

Before entering the Parental Control menu, you need to input a password in order for children not to change any Parental Control settings.

How to enter into Parental Control menu

1> In main menu (**Figure 1),** use **UP/DOWN** key to select Parental Control item and press the **RIGHT** key to enter into Parental Control password input page (**Figure 10**).
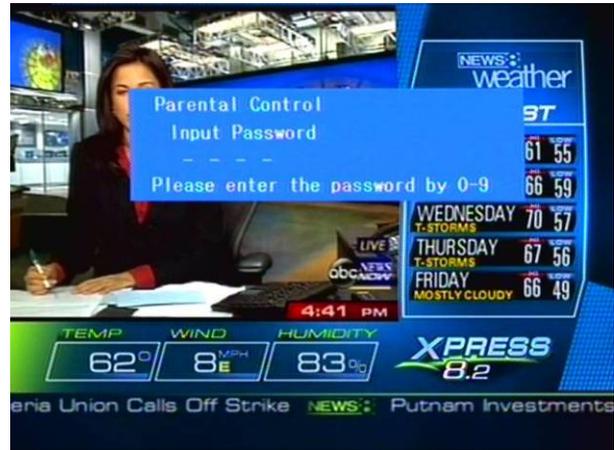
2> Input the password by entering a 4 digit number (default password is: **0000).** If the password is invalid, input numbers are cleared and you need to input the password again; when the password is valid, Parental
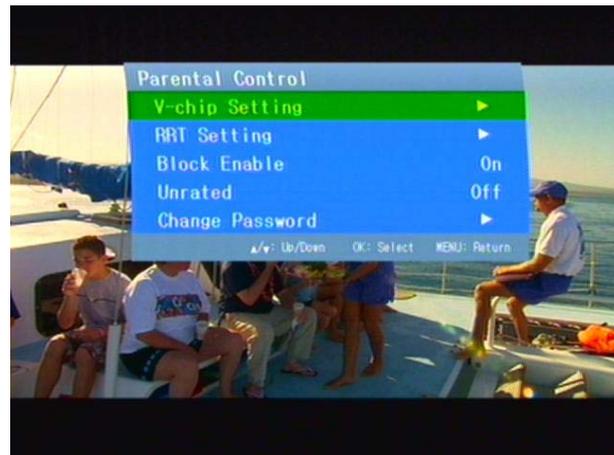   Control menu will be displayed automatically (**Figure 11**).
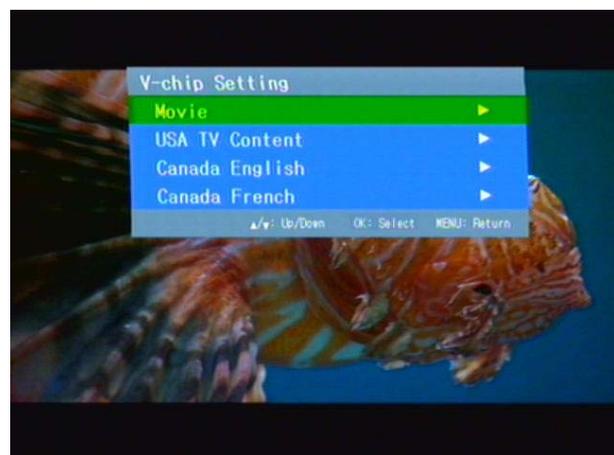
About Parental Control menu

1> Enter into Parental Control menu (**Figure 11**) ;
2> Use **UP/DOWN** key to select sub item and use **RIGHT** key to enter into sub menu or change current item setting.

This menu can be set as follows:
·**V-chip Setting;**
·**RRT Setting;**
·**Block Enable;**
·**Unrated;**
·**Change Password;**

• **V-chip setting**
1> Select V-chip Setting item in Parental Control menu (**Figure 11**) and press **RIGHT** key to enter into V-chip setting menu (**Figure 12**).
2> Use **UP/DOWN** key to select sub item and press **RIGHT** key to enter the sub menu.

Ⅳ. Menu Operation

V-chip Rating includes the following rating levels:

·**Movie rating**

·**USA TV Content rating**

·**Canada English rating**

·**Canada French rating**

Example:

How to set Movie ratings;

1> Select Movie ratings item in V-chip Setting menu (**Figure 12**) and press **OK** key to enter into Movie ratings menu (**Figure 13**).

2> Press **UP/DOWN** key to select sub item;

3> Press **OK** key to set view or block, default setting is view.

Instructions:

1> Blocking one rating will affect all the higher ratings. For example, by blocking "R", the above ratings "NC-17" and "X" will automatically be blocked, no matter what the previous state of these ratings was. If a password is defined while a TV program rating is received from the current channel, then sound will be muted and the following message is displayed on the center of the screen. The rating information should be consistent with current program rating.

2> Use the same method to set **USA TV Content** / **Canada English** / **Canada French** ratings.

·**RRT setting**

1> Select RRT Setting item in the Parental Control menu (**Figure 11**) and press the **RIGHT** key to enter into RRT setting menu (**Figure 15**).

2> Use the **UP/DOWN** key to select sub items and Press the **OK** key to enter sub menu. (**Figure 16**).
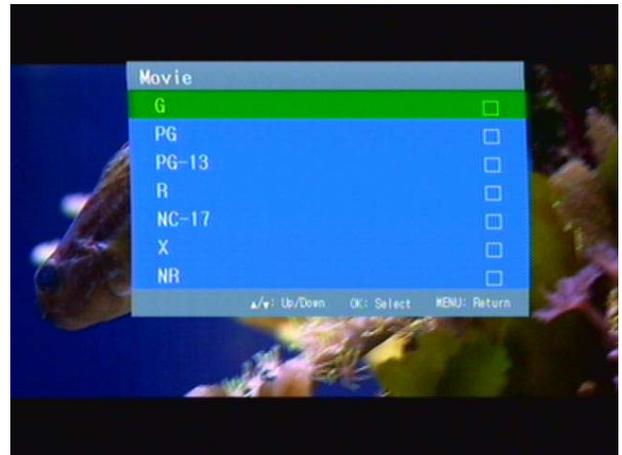
3> Use **OK** key to set View or Block

Ⅳ. Menu Operation

Note: if you select the Reset item in RRT Settings menu and press OK key, the contents of RRT Setting menu will be erased.
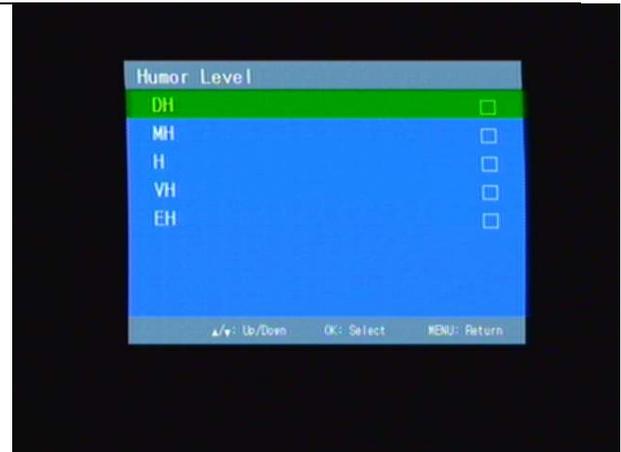

<div align="center">**Figure 16**</div>

• **Change Password**

1> Select Change Password item in Parental Control menu (**Figure 11**) and press the **OK** key to enter Change Password menu (**Figure 17**).

2> Input the new password. The system will require you to confirm the new password -see **Figure 18**

3> Confirm the password. If successful, the message shown in **Figure 19 will appear.**

<div align="center">**Figure 17**</div>
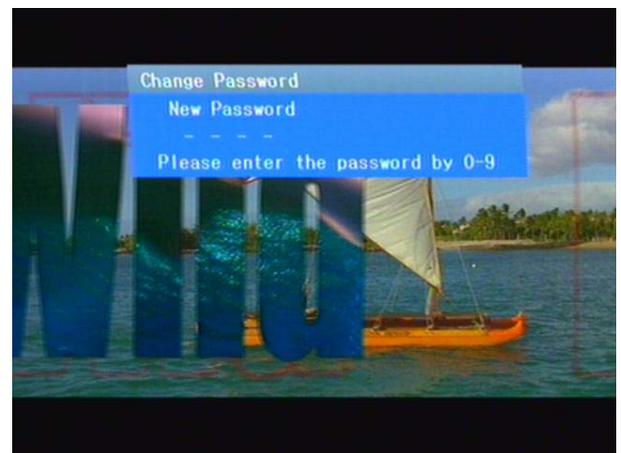

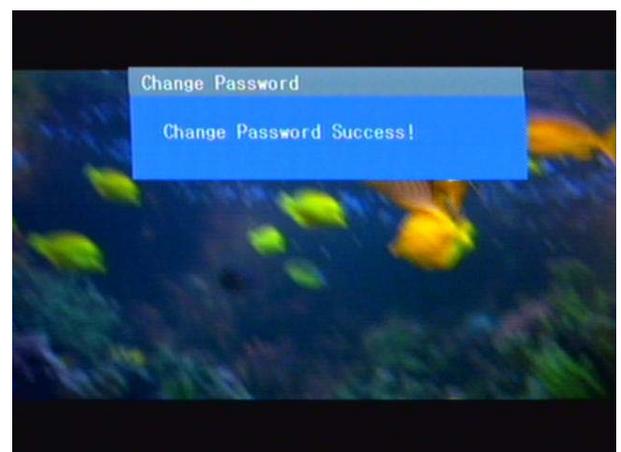<div align="center">**Figure 18**   **Figure 19**</div>

Note: If you want to disable the parental control blocking function, set the "Block Enable" to "off", or if you want to disable this function completely, you could set the "Unrated" item to "off".

Ⅳ. Menu Operation

6.   System Setup

In the main menu, select System Setup and press **the RIGHT** key to enter into the System Setup menu. Press **UP/DOWN** to select item and **RIGHT** key to enter into sub menu or change current item setting.

1> **Time Setup:** Setup current time.
2> **OSD Language:** Set OSD language to English, Spanish or French; default is English.
3> **Audio Language:** Set audio language to English, Spanish or French; default is English.
4> **Screen Type:** Set display screen type, default is 4:3.
5> **Format:** Zoom in or zoom out of the picture.

About Time Setup

1> Enter System menu;
2> Use **UP/DOWN** key to select Time Setup and press the **RIGHT** key to enter into Time Setup menu (**Figure 20**);
3> Press **UP/DOWN** key to select different item and press the **RIGHT** key to change setting.

Instructions:
1> The Clock item displays the current time from TV programs and cannot be changed.
2> The time zone item can be set to Eastern, Samoa, Hawaii, Alaska, Pacific, Mountain, Central, Atlantic, Newfoundland; the default is Eastern;
3> The Daylight Saving switch default value is off.

Figure 20

Ⅴ. Special Features

1. Channels List

1) Press the **Ch List** on RCU key when TV is showing no menu, the channels list will be displayed (**Figure 21**), and information about channel number, channel name and skip status of all channels will show.

2) Press **UP/DOWN** key to select item and Press **OK** key to switch current channel to your selected channel.

Figure 21

2. Electronic Program Guide (EPG)

1> Press the **EPG** key to open the EPG window; displaying the first page of the program schedule (**Figure 22**);

2> Press the **RIGHT** key to switch to the next page in the program schedule.

Figure 22

3. Channel information

Press the **TV Display** key to get information about the current channel (**Figure 23**). Information displayed as follows:

[1] **Channel number:** current channel number.

[2] **Channel name:** current channel name.

[3] **Picture size:** current picture size

[4] **System time:** current time of day.

[5] **Program name:** current program name.

[6] **Program time:** time duration of current program.

[7] **Audio language:** current language in the program

[8] **CC&CS:** current status of CC

[9] **V-chip Info:** current program V-chip information.

Figure 23

Ⅴ. Special Features

4. Audio Language

Press the **AUDIO** key to set audio language of the current program (**Figure 24**).

If the program contains several audio languages, you can switch the audio language between these languages by pressing the **AUDIO** key.

Figure 24

Set default audio language:

You can set the default audio language in the menu:

1> Press the **MENU** key to enter main menu (**Figure 1**);
2> Select System Setup and press the **RIGHT** key to enter the System Setup menu;
3> Use the **UP/DOWN** key to select Audio Language and press the **RIGHT** key to change settings.

5. Signal Strength

Press **SIGNAL** key to display the signal strength of the current channel. (**Figure 25**)

Figure 25

Appendix

Trouble Shooting

If you have difficulty with your digital TV receiver, there are several ways can cad debug before calling for a service technician.

Problem	Possible Causes	What To Do
The display on the front panel does not light up	Power cord is not connected	Check that the power cord is plugged into power socket
No sound and no picture	The receiver is in standby mode	Press Mode key on the right panel to switch to operation mode
No signal when selecting channels	The signal cable is disconnected	Connect the signal cable securely
	Program parameters are set incorrectly	Adjust antenna and point to broadcast tower
Picture only ,but no sound	System in MUTE mode	Press MUTE key on the RCU to restore volume
	Volume is set to minimum	Increase the volume to suitable level
	Audio setting parameter is incorrect	Please go to Audio Setting menu, select proper audio mode and proper audio language
Sound only, but no picture	System in radio mode	Normal
Picture is still or mosaic phenomenon	Signal is too weak	Check to make sure that the signal cord has been connected tightly
Remote control does not work	RCU not aimed at the sensor on the front panel	Aim at the sensor on the front panel
	Batteries are depleted	Change batteries.

CAUTION:

If the problems persist after you tried all of the above, please contact the dealer, and trained personnel will help you.

Appendix

Care and Maintenance

With proper care, your Digital TV Receiver will give you many years of service. Please follow these guidelines to get the maximum performance.

Placement

·Do not put the Digital TV Receiver near extremely hot, cold, humid or dusty areas.

·Do not put the Digital TV Receiver near appliances that create magnetic fields.

Liquids

·Do not handle liquids near or on the Digital TV Receiver.

Case

·Never open the case or touch the parts inside.

·Wipe your Digital TV Receiver with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.

Temperature

·If your Digital TV Receiver is suddenly moved from a cold to a warm place, unplug the power cord for at least two hours so that moisture that may have formed inside the unit can dry completely.

Appendix

Specifications

General Specification

Broadcasting standard	ATSC
Power requirement	12Volt DC
Power consumption	12 watts
Dimensions (W x D x H)	240x145x24 (mm)
Weight	583g
Panel Resolution	720x480

RF Specification

Input Frequency	57 ~ 807 MHZ (VHF :2 ~13 / UHF : 14 ~ 69)
Channel Bandwidth	6M
Input Level	-83 ~ -5 dBm
Antenna	75-ohm external antenna terminal for VHF/UHF
Number of inputs/outputs	75-ohm VHF/UHF In/Out only 1 "AV IN" on this TV 2 Analog Audio Out (R/L)