Owner's Manual

MAGNAVOX
S M A R T . V E R Y S M A R T .

TB100MW9
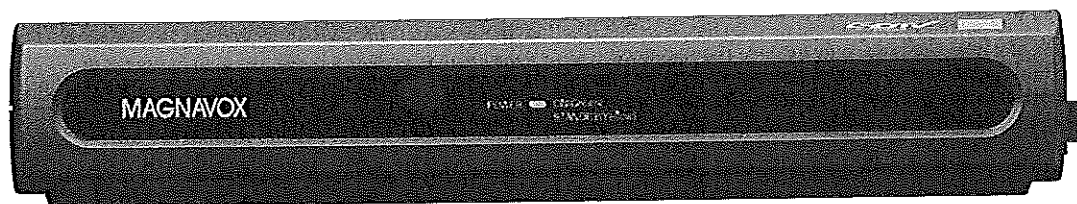*DTV Digital to Analog Converter*
(Set Top Box)

STOP!

THANK YOU FOR CHOOSING MAGNAVOX.

NEED HELP FAST?

READ YOUR OWNER'S MANUAL FIRST FOR QUICK TIPS
THAT MAKE USING YOUR MAGNAVOX PRODUCT MORE ENJOYABLE.
IF YOU HAVE READ YOUR INSTRUCTIONS AND STILL NEED ASSISTANCE,
YOU MAY ACCESS OUR ONLINE HELP AT **HTTP://WWW.FUNAI-CORP.COM**
OR CALL **1-800-605-8610** WHILE WITH YOUR PRODUCT.

INSTRUCCIONES EN ESPAÑOL INCLUIDAS.

ENERGY STAR

Table of Contents

Information on Digital Broadcasting
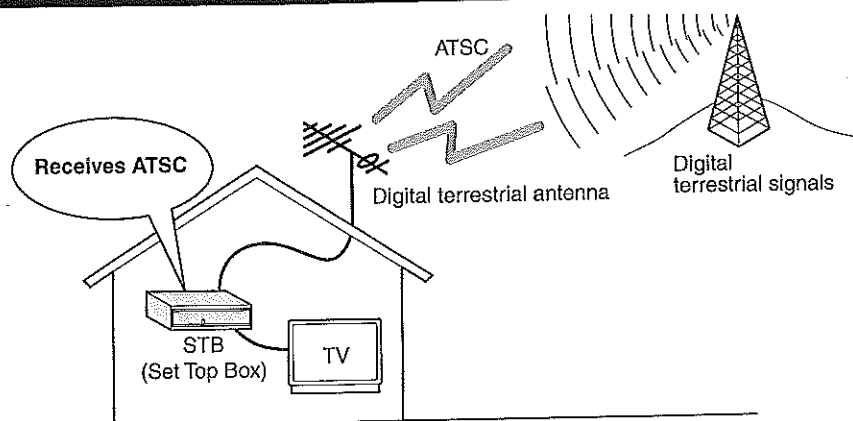
Digital broadcasting is the most advanced format of broadcasting, employing a new technology for compression of audio and video signals which allows broadcasters to transmit digital signals using existing terrestrial systems.

Due to this dramatic progress, new features of broadcasting service such as widescreen formats and higher definition provide ways to experience the full benefits of digital transmission.

Digital broadcasting overcomes problems experienced with analog TV such as ghosting, "snowy" pictures and interference. Digital TV has a dramatic effect on these problems by its very nature.

In addition, the number of channels available has dramatically increased, so that you can make the best choice among the variety of programs anytime with a clear picture.

It is also possible to transmit multiple Standard Definition TV (SDTV*) programs within the same bandwidth. Some data capacity can also be allocated to provide more effective closed captioning or multiple language soundtracks.

Your current TV can be used for its entire service life.
This STB (Set Top Box) will now make this possible.

Major Features of STB

- Capable of receiving digital (ATSC*) broadcasts

- Capable of receiving Standard Definition TV (SDTV*) broadcasts

- Alternative languages for OSD (English, Spanish and French)

- Sub-channels* through a single digital channel

ATSC - Advanced Television Systems Committee: This group is working to establish the standards for digital TV broadcasting and digital TV equipment for both SDTV and HDTV.

SDTV - Standard Definition Television: SDTV signal formats are 480p and 480i. SDTV provides lower resolution, yet presents a very sharp, clear picture. Lower resolution allows broadcasters to transmit multiple programs per channel.

Sub-Channel - The compression of audio and video signals enables each digital channel to carry different programs on sub-channels. Select them by simply pressing [CH + / −] or the number buttons on your remote control when available.

Trademark Information

Product that have earned ENERGY STAR® are designed to protect the environment through superior energy efficiency.

Location of Controls

Remote Control
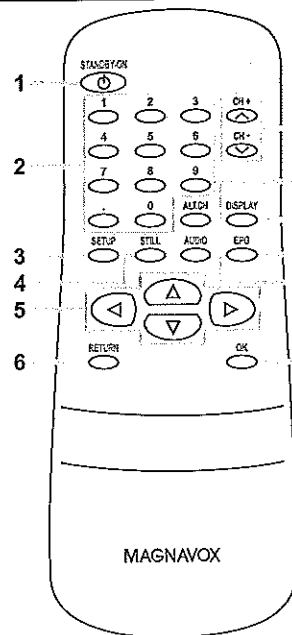
1 STANDBY-ON button: Turns STB on and off.

2 Number buttons: Input channel numbers and passwords.

3 SETUP button: Enters or quits "SETUP" menu.

4 STILL button: Pause the image while you continue to listen to the audio.

5 Navigation buttons ▲ / ▼ / ◄ / ► : Moves the highlight up, down, left or right.

6 RETURN button: Returns to the previous screen in "SETUP" menu or exits from the menu.

7 CH + / — buttons: Change the channels up or down.

8 ALT. CH: Returns to the channel you were last watching.

9 DISPLAY button: Displays information on the channel banner or clears the banner.

10 EPG button: Displays or exits the Electronic Program Guide.

11 AUDIO button: Selects alternative audio languages (if available).

12 OK button: In "SETUP" menu, press to enter your selection.

- To operate this STB with a universal remote, check the instruction manual for remote and find Magnavox brand STB code. If you do not find the code or the code does not work, try to use Sylvania brand STB code instead.

Front Panel
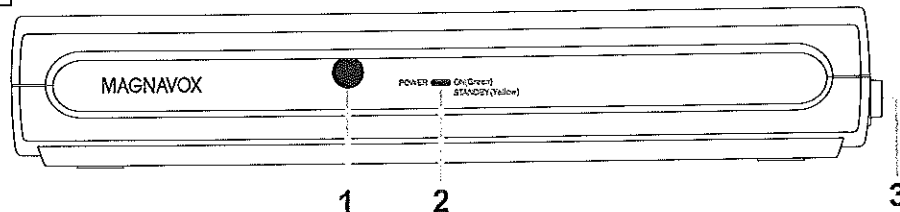
1 Remote control sensor: Receives signals from your remote control so you can control the STB from a distance.

2 POWER indicator: Turns green when the main power is on and you are operating on the remote control. Turns yellow on standby.

3 Main Power: Turns STB's main power on and off. When you use this button to turn off the main power, make sure that the Power indicator is yellow.

Rear Panel
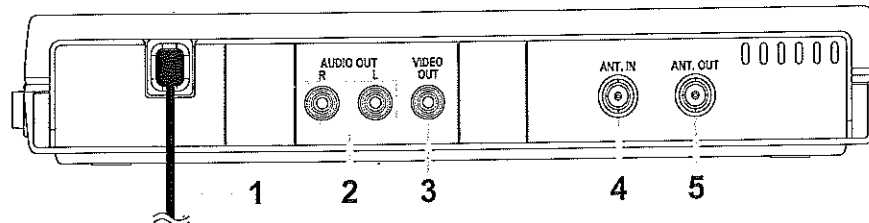
1 AC power cord: Connect to AC outlet.

2 AUDIO OUT jacks (Right (red) / Left (white)): Connect your TV, stereo system or VCR with standard audio cables.

3 VIDEO OUT jack (yellow): Connect your TV or VCR with a standard video cable.

4 ANT. IN jack: Connect an antenna.

5 ANT. OUT jack: Connect to the Aerial jack on your TV to output the signal.

BEFORE USING

Accessories

Check the following accessories when unpacking the STB:

Remote control: NA383UD
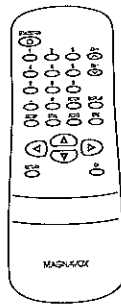
2 AA batteries
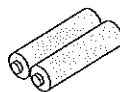
Owner's manual: 1VMN24075B
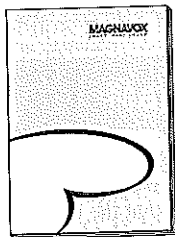
RF cable: WPZ0901TM002
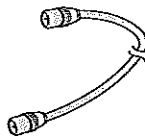
Installing Batteries

1 Unsnap the battery cover from the back of the remote control.
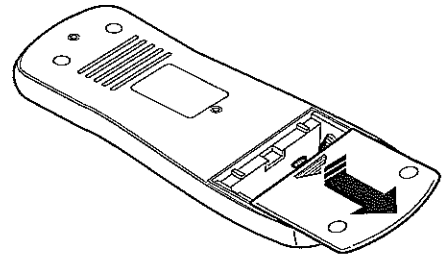
2 Install two AA batteries making sure the polarity (+ / -) is correct.
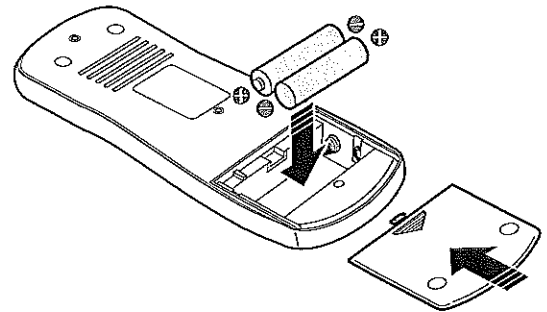
NOTE:
• When replacing batteries, replace them in pairs.

3 Snap the battery cover back.

CAUTION:
• Do not mix battery types (alkaline and manganese, or old ones and new ones).
• Do not recharge, short-circuit, heat, burn or disassemble batteries.

A NOTE ABOUT RECYCLING
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

Connecting an Antenna

Basic Connection:

VHF/UHF antenna

RF cable   Rear panel of STB

AUDIO OUT
R   L   VIDEO
OUT

ANT. IN   ANT. OUT

0 0 0 0 0 0
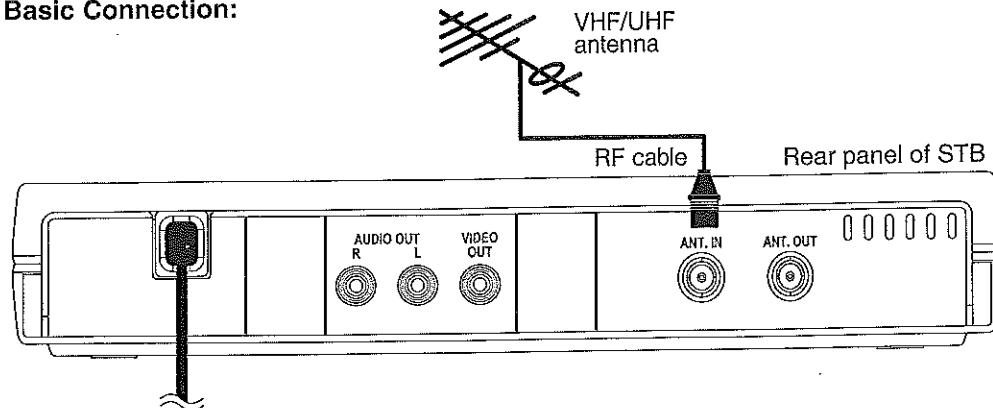
When Connecting to Cable Box (optional) Also:
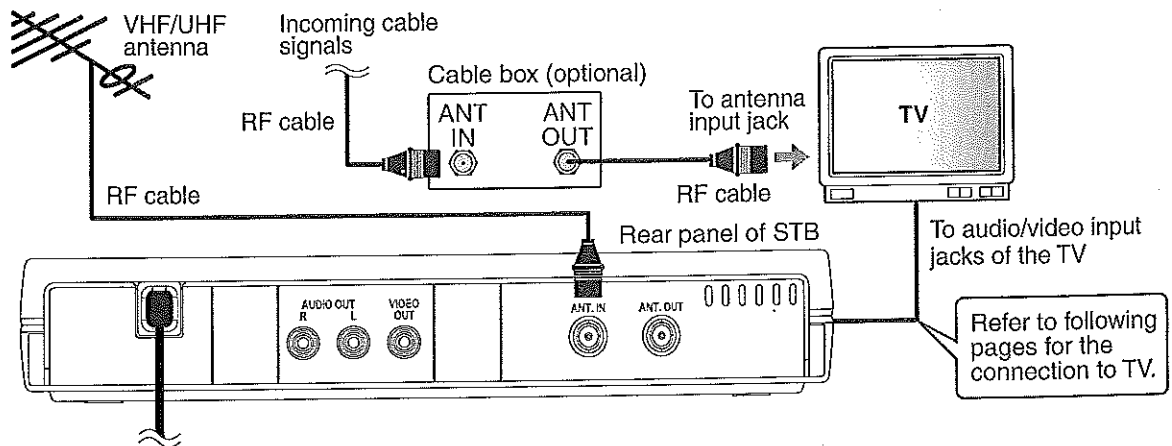
VHF/UHF antenna   Incoming cable signals

Cable box (optional)

RF cable   ANT
IN   ANT
OUT

To antenna input jack

TV

RF cable   RF cable

Rear panel of STB

AUDIO OUT
R   L   VIDEO
OUT

ANT. IN   ANT. OUT

0 0 0 0 0 0

To audio/video input jacks of the TV

Refer to following pages for the connection to TV.

Supplied cables used in this connection are as follows:
• RF cable x1
Please purchase the rest of the necessary cables at your local store.

Before connecting, ensure the AC power cords of all devices are NOT connected to the AC outlets.

1   Use an RF cable to connect the antenna to the ANT. IN jack on the STB.

2   Use an RF cable to connect the incoming cable to the antenna input jack on the cable box.

3   Use an RF cable to connect the antenna output jack on the cable box to the antenna input jack on the TV.

4   Refer to "Connecting to TV" on page 10 to connect your TV.

NOTE:
• When you connect the RF cable to another device, be sure to use a splitter as shown below.

VHF/UHF antenna

To RF-IN   Another device
e.g., VCR

Splitter   To ANT. IN   STB

Note to the Cable TV System Installer:
This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the National Electrical Code, which provides guidelines for proper grounding - in particular, specifying that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.

9
EN

CONNECTIONS

Rear panel of STB

To audio input jacks (L, R)

Video cable

RF cable

Audio cable

AND/OR

TV

To video input jack

To antenna input jack

Supplied cables used in this connection are as follows:

· RF cable x1

Please purchase the rest of the necessary cables at your local store.

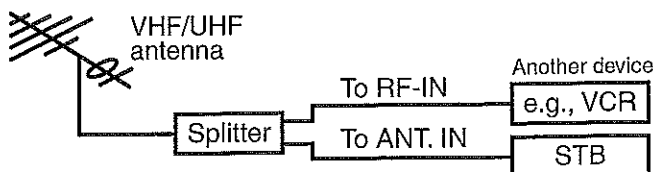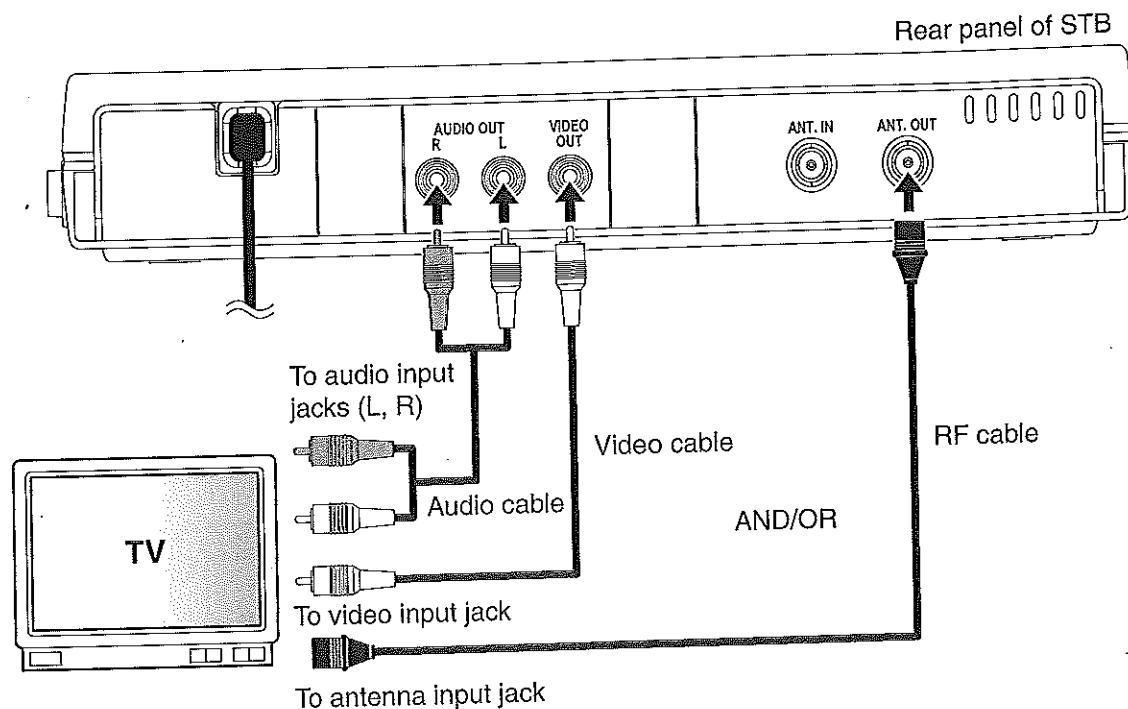Before connecting, ensure the AC power cords of all devices are NOT connected to the AC outlets.

1 Refer to "Connecting an Antenna" on page 9 to connect the STB to an antenna.

2 Use an RF cable to connect the ANT. OUT jack on the STB to the antenna input jack on the TV.

AND/OR

Use a standard audio/video cable to connect the AUDIO/VIDEO OUT jacks on the STB to the audio/video input jacks on the TV.

3 Plug all AC power cords into AC outlets, then turn all devices on.

4 After you have completed the connections, select an appropriate external input channel on your TV (ch3 or ch4) (refer to your TV's manual for details), and also set the STB's output channel to the corresponding channel number (3 or 4). You can switch between 3 and 4 by holding **[SETUP]** down over 3 seconds.

NOTE:
• When using either of these connections, the resolution of the video signal output will always be 480i. This ensures that all digital TV programming, no matter what the actual transmitted format is, will be viewable and compatible with your analog TV.
• If your TV is monaural (MONO) and has only one audio jack, connect a standard audio cable (white) from the AUDIO OUT (white) jack on the STB to an audio input jack (white) on the TV. The red cable and jack will not be used.

STB Connection to a Standard Stereo System

Rear panel of STB

Audio cable

STEREO COMPONENT

To audio input jacks (L, R)

Supplied cables used in this connection are as follows:

• RF cable x1

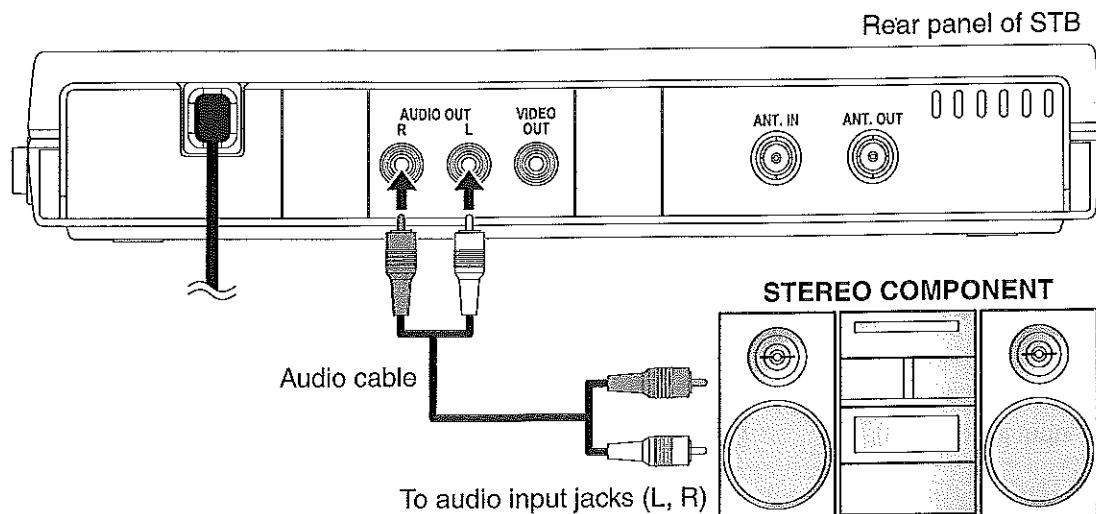Please purchase the rest of the necessary cables at your local store.

Before connecting, ensure the AC power cords of all devices are NOT connected to the AC outlets.

1 Refer to "Connecting an Antenna" on page 9 to connect the STB to an antenna.

2 Refer to "Connecting to TV" on page 10 to connect the STB and the TV.

3 Use a standard audio cable to connect the AUDIO OUT jacks on the STB to the audio input jacks on the stereo component.

4 Plug all AC power cords into AC outlets, then turn all devices on. ·

5 Set the stereo to the input mode to which you connected the audio from the STB.
Refer to your stereo's manual for details.

OTHER CONNECTIONS

Connecting to TV and Video Devices (VCR, DVD Recorder, etc)

e.g.: Connection to DVD Recorder

Rear panel of STB

To audio input jacks (L, R)

Audio cable

Audio cable

Video cable

To video input jack

DVD Recorder

Supplied cables used in this connection are as follows:

• RF cable x1

Please purchase the rest of the necessary cables at your local store.

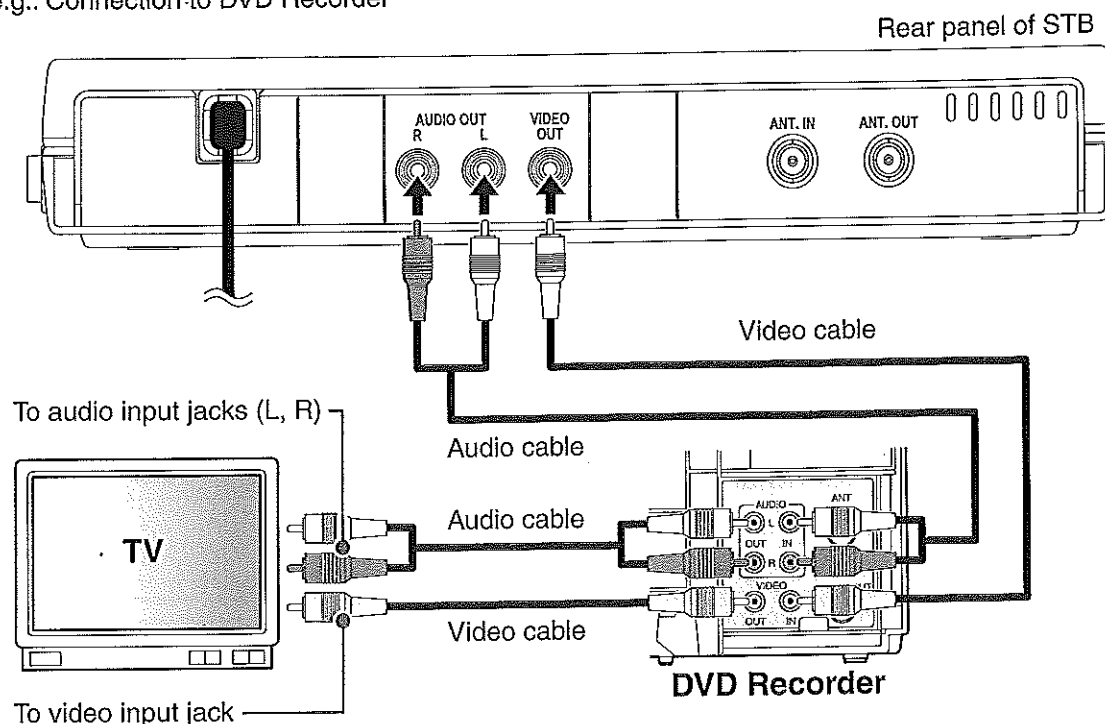Before connecting, ensure the AC power cords of all devices are NOT connected to the AC outlets.

1 Refer to "Connecting an Antenna" on page 9 to connect the STB to an antenna.

2 Use a standard audio/video cable to connect the AUDIO/VIDEO OUT jacks on the STB to the audio/video input jacks on the DVD recorder.

3 Use a standard audio/video cable to connect the audio/video output jack on the DVD recorder to the audio/video input jack on the TV.

4 Plug all AC power cords into AC outlets, then turn all devices on.

5 Set the TV and DVD recorder to input mode.
Refer to your TV's or DVD recorder's manual for details.

NOTE:

• If your DVD recorder is monaural (MONO) and has only one audio jack, use a standard audio cable (white) to connect the AUDIO OUT jack (white) on STB to the audio input jack (white) on the DVD. The red cable and jack will not be used.

Initial Setup

Setup Wizard

When STB is turned on for the first time or before completing autoscan, "SETUP WIZARD" is displayed on the screen automatically. You can complete the following items for the initial setups through this menu.

1 Language for screen
2 Connection for audio output
3 Time zone
4 Daylight saving time (DST)
5 Display mode
6 Channel Scanning

**1 Turn the TV on and select the input to which the STB is connected.**

2 Turn the STB on using [STANDBY-ON]. "SETUP WIZARD" appears.

NOTE:
- It takes about 8 seconds to display "SETUP WIZARD" after turning the power on.
- "SETUP WIZARD" does not appear if the autoscan has already been completed.
- You also can access "SETUP WIZARD" from "INITIAL" in "SETUP" menu.

3 Select "CONTINUE" using [◄ / ►], then press [OK].
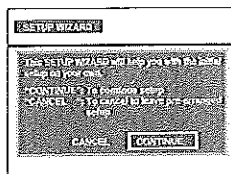
4 Select the language using [▲ / ▼], then press [OK].
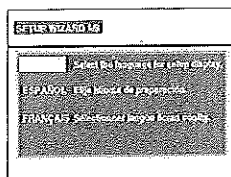
5 Select the connection for audio output using [◄ / ►], then press [OK].
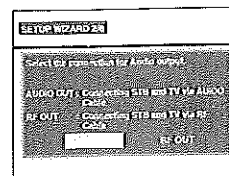
Select "AUDIO OUT" if...
- you are using the standard audio cable to connect the STB to your TV.

Select "RF OUT" if...
- you are using the RF cable to connect the STB to your TV.

6 Select your time zone using [▲ / ▼], then press [OK].

7 Select "ON" or "OFF" for Daylight Saving Time (DST) using [◄ / ►], then press [OK].

8 Select the desired display mode using [▲ / ▼], then press [OK].

9 Select "AUTOSCAN" using [▲ / ▼], then press [OK].

- STB starts receiving available digital channels and stores them in the channel map.
- When the scanning is complete, "AUTOSCAN COMPLETED" will be indicated.
- After autoscan is complete, press [CH + / —] to verify whether STB is receiving channels properly.

The "SETUP WIZARD" is now complete.

To cancel during scanning:
Press [OK].

NOTE:
- If autoscan is canceled, some channels not yet scanned may not be received. We recommend completing autoscan.

Selecting Channels on the STB

About Sub-channel Broadcasting

Digital broadcasting offers a service that enables multiple signals, called "sub-channels", to be sent simultaneously on one main channel by using its high compression technology. Therefore, every digital channel number consists of a main channel and a sub-channel number.

ATSC

18:00

CH4-1

: changes automatically
: changes manually by using [CH+/−].

18:30

CH4-1 CH4-2 CH4-3

19:00

CH4-1

19:30

CH4-1 CH4-2

20:00

This section tells you how to select the desired digital channel on the STB.
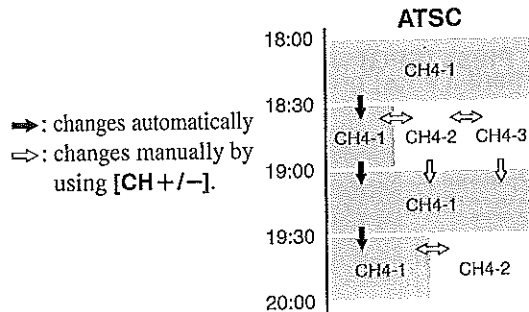
NOTE:
- Before you begin, make sure you complete the autoscan in "SETUP WIZARD" or in "SETUP" menu.

When Using [CH +/−]:

- Press [CH +] to tune a higher channel number.
- Press [CH −] to tune a lower channel number.

When Using the Number Buttons:

1. Enter the main channel number.
   If the main channel number is 1 digit, press [.] when finish entering.
   If the main channel number is 2 digits, proceed to step 2.
2. Enter the sub-channel number.
   If the sub-channel number is 1 digit, press [OK] when finish entering. (You do not need to press [OK] if the sub-channel number is 2 digits.)

E.g., selecting 6.1
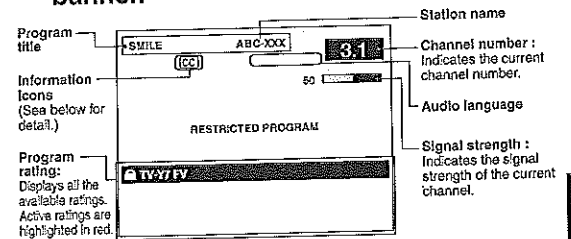
6 → . → 1 → OK
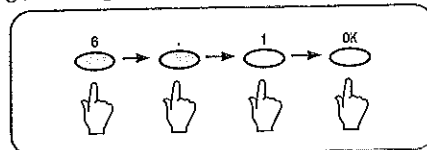
E.g., selecting 26.12

2 → 6 → 1 → 2
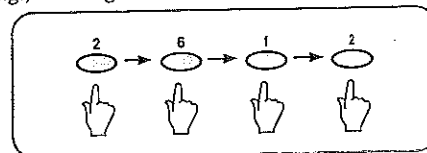
NOTE:
- If you do not have a particular sub-channel number you want to select, enter the main channel number and then press [OK]. (If the main channel number is 1digit, you should press [OK] twice.) The STB automatically tunes in to the lowest sub-channel for the selected main channel.
- Press [ALT. CH] to return to the previously viewed channel.
- "NO SIGNAL" appears after the sub-channel broadcast is over. Change the channel to continue watching.

Channel Banner

The channel banner provides you with information on the channel you have selected.

1 Press [DISPLAY] to display the channel banner.

Station name

Program title

SMILE ABC-XXX 3.1

Channel number : Indicates the current channel number.

Information Icons (See below for detail.)

50

Audio language

RESTRICTED PROGRAM

Program rating: Displays all the available ratings. Active ratings are highlighted in red.

TV-Y7 FV

Signal strength : Indicates the signal strength of the current channel.

Information Icons

LOCK:
Indicates that the current program is blocked according to your v-chip setting.

CC (Closed Caption):
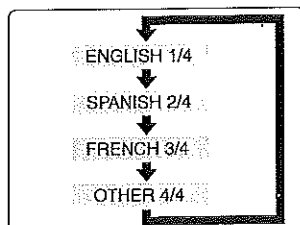Indicates that the program being broadcast is available with closed captioning.

BASIC OPERATION

BASIC OPERATION

Choosing Audio Language

You can change languages when the channel provides alternate languages.

1 Press [AUDIO] repeatedly.

• Audio language changes as follows.

```
ENGLISH 1/4
    ↓
SPANISH 2/4
    ↓
FRENCH 3/4
    ↓
OTHER 4/4
```

NOTE:
• "OTHER" is indicated when the language is not English, Spanish or French.
• For international stations audio language will still be displayed as English.

Picture Still

You can freeze the image shown on the TV screen.

1 Press [STILL].

• The image shown on the screen will be paused.
• The sound output will not be paused.
• If "NO SIGNAL" is detected or protected signal is received during still mode, the image remains paused and the sound output will be muted.

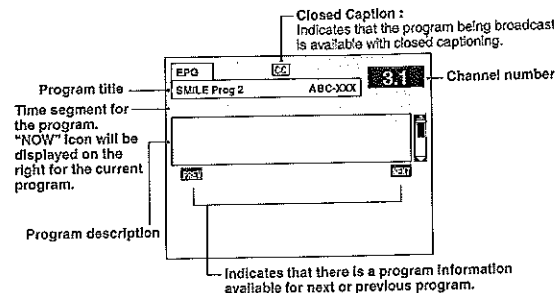To cancel still mode, press any button except **[STANDBY-ON]**.

NOTE:
• If the TV is left on STILL for a long period of time, the still image may cause a burn-in effect damaging the TV screen.

Electronic Program Guide (EPG)

Electronic Program Guide (EPG) is the electronic equivalent of a printed TV program guide.
You can view a list of programs scheduled for the next few hours.
To display the correct information on "EPG", "TIME ZONE" and "D.S.T" must be set correctly.

1 Press [EPG] while watching TV.

Closed Caption : Indicates that the program being broadcast is available with closed captioning.

Channel number

Program title

Time segment for the program. "NOW" icon will be displayed on the right for the current program.

Program description

Indicates that there is a program information available for next or previous program.

2 Select the desired program using [◄ / ►].

3 Press [EPG] to remove the EPG.

NOTE:
• "EPG" will be cleared after 5 minutes.
• For channel numbers with blank description, the broadcasting station may not provide signals for "EPG".
• When the program description consists of more than 4 lines, use [▲ / ▼] to scroll up/down in the list.

ADVANCED OPERATION

5 Select the channel number you want to delete from the channel list on the right using [▲ / ▼], then press [OK].

E.g., deleting channel 26.

[OK]
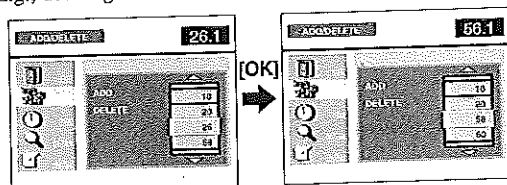
• The selected channel is now deleted.

To continue deleting:
Repeat step 5.

NOTE:
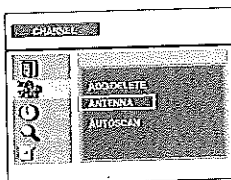• △ / ▽ : Indicates that there are more channels above or below.

6 Press [SETUP] to exit "SETUP" menu.

Adjusting Antenna

You can verify the signal strength of each channel to get a clearer picture.

1 Select a channel to adjust using the number buttons or [CH + / —].

2 Press [SETUP] to display "SETUP" menu.

3 Select "CHANNEL" using [▲ / ▼], then press [OK].

4 Select "ANTENNA" using [▲ / ▼], then press [OK].

• STB starts receiving the signal for the channel.

5 Adjust the antenna's direction to get the best reception.

• A status bar stretches to the right according to the signal strength.
• The value will be indicated on the left of the status bar so that you can adjust the antenna.
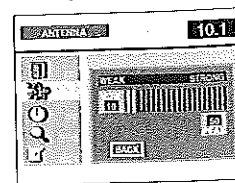
To adjust other channels:
Select the channel with [CH + / —], then adjust it.
To cancel during adjustment:
Press [SETUP] or [OK].

6 Press [SETUP] to exit "SETUP" menu.

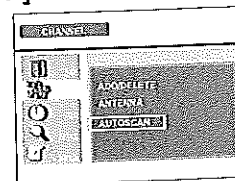## Receiving Channels (Autoscan)

STB can get available digital channels automatically.

Autoscan receives available digital channels and stores them in a channel map. These channels can then be selected using [CH + / —].
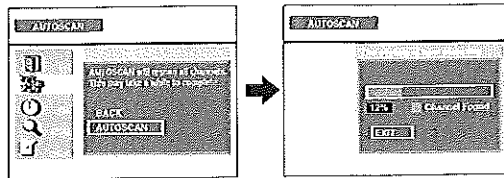
CAUTION:
• If autoscan is skipped, digital channels may not be received correctly.

1 Press [SETUP] to display "SETUP" menu.

2 Select "CHANNEL" using [▲ / ▼], then press [OK].

3 Select "AUTOSCAN" using [▲ / ▼], then press [OK].

4 Select "AUTOSCAN" using [▲ / ▼], then press [OK].

- STB starts receiving available digital channels and stores them in the channel map.
- When the scanning is complete, "AUTOSCAN COMPLETED" will be indicated.
- After autoscan is complete, press [CH + / −] to verify whether STB is receiving channels properly.

To cancel during scanning:
Press [SETUP] or [OK].

NOTE:
- If canceled, some channels not yet scanned may not be received. We recommend completing autoscan.
- When you want to completely refresh the channel map, delete all the channels, then do the autoscan again. See "Adding/Deleting Channels" on page 17 for details.

When "NO SIGNAL" appears on the screen:
Verify the antenna connection, then scan again.
The STB tunes in channel 2-1 and "NO SIGNAL" appears if the STB could not receive any channels.
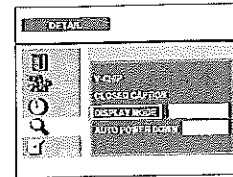
Selecting Display Mode

STB allows you to select a display mode to match the formats of the program being broadcast on your TV screen.
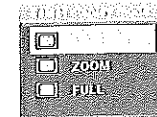
Display Mode

1 Press [SETUP] to display "SETUP" menu.

2 Select "DETAIL" using [▲ / ▼], then press [OK].
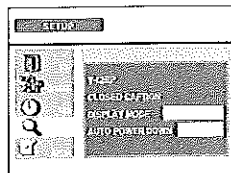
3 Select "DISPLAY MODE" using [▲ / ▼], then press [OK].

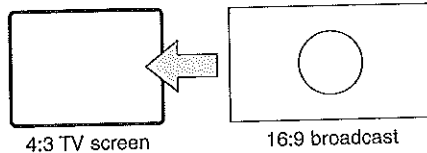**4 Select the desired display mode using [▲ / ▼], then press [OK].**

5 Press [SETUP] to exit "SETUP" menu.

19
EN

INFORMATION on Display Mode

For standard 4:3 TVs displaying widescreen 16:9 broadcasts, your choices are:

4:3 TV screen   16:9 broadcast

LETTERBOX
Displays the entire picture image while fitting the picture to the screen by applying gray bars to the top and bottom of the screen.
No information will be lost.

ZOOM
Expands the picture image to fill the screen while cropping some images on the left and right.
Picture information on the left and right side will be lost.

FULL
Displays the entire picture image while fitting the picture to the screen by stretching the image vertically, so that it fills the screen.
· No information will be lost, but there may be a slight distortion of the picture.

CAUTION:
· If the TV is left in LETTERBOX mode for a long period of time, the gray bars may cause a permanent burn-in effect.
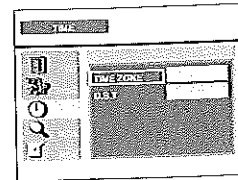
Setting the Time Zone and DST (Daylight Saving Time)

To get the EPG (Electronic Program Guide) and Channel banner, you will need to set "TIME ZONE" and "D.S.T" correctly.

1 Press [SETUP] to display "SETUP" menu.

2 Select "TIME" using [▲ / ▼], then press [OK].

Time Zone

3 Select "TIME ZONE" using [▲ / ▼], then press [OK].

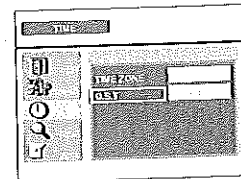**4 Select your time zone using [▲ / ▼], then press [OK].**
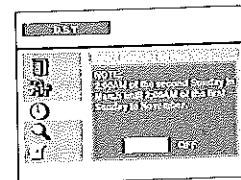
5 Press [SETUP] to exit "SETUP" menu.

D.S.T (Daylight Saving Time)

Follow steps 1-2 in "Setting the Time Zone and DST" on this page.

3 Select "D.S.T" using [▲ / ▼], then press [OK].

4 Select "ON" or "OFF" using [◄ / ►], then press [OK].
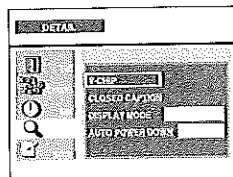
**5 Press [SETUP] to exit "SETUP" menu.**

V-Chip Options

V-chip reads the ratings for programs, then denies access to the programs which exceed the rating level you set. With this function, you can block certain programming inappropriate for children.

1 Press [SETUP] to display "SETUP" menu.

2 Select "DETAIL" using [▲ / ▼], then press [OK].

3 Select "V-CHIP" using [▲ / ▼], then press [OK].

- Password entry field will appear.
  Proceed to step 4-a if you have not created a password yet.
  Proceed to step 4-b if you have already set a password.

4-a Enter 4-digit numbers except 4737 as your password using the number buttons.
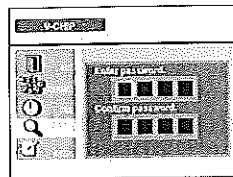
CAUTION:
- Do not forget the password. It will be used as your v-chip access password from the next time onward.

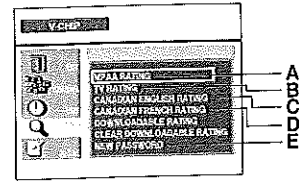### 4-b Enter the password using the number buttons.
- Asterisk(*) will substitute for your password.

NOTE:
- If you forget the password, enter "4737" then proceed to "New Password" on page 23.
- When the password is correct, "V-CHIP" menu is displayed.

See the following description for setting each item.

A··· "MPAA Rating"⇨ this page
B... "TV Rating"⇨ page 22
C··· "Canadian English Rating"⇨ page 22
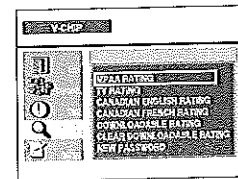D... "Canadian French Rating"⇨ page 22
E... "New Password" ⇨ page 23

NOTE:
- To block any inappropriate programming, set your limits in "MPAA RATING", "TV RATING", "CANADIAN ENGLISH RATING", "CANADIAN FRENCH RATING" and "DOWNLOADABLE RATING".
- "DOWNLOADABLE RATING" will be available when the STB receives a digital broadcast using the new rating system.
- If the broadcasting signal does not have the downloadable rating information, "Downloadable Rating is currently not available." will appear. This message will also appear when you try to access "DOWNLOADABLE RATING" after you have cleared the downloadable rating information, and the new information has not been downloaded since.
- To clear the downloadable rating information and its setting, select "CLEAR DOWNLOADABLE RATING".
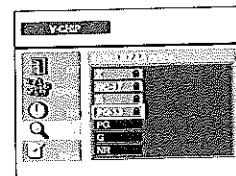
MPAA rating

MPAA Rating is the rating system created by MPAA (Motion Picture Association of America).
Follow steps 1-4 in "V-Chip Options" on this page.

5 Select "MPAA RATING" using [▲ / ▼], then press [OK].

6 Select the desired rating using [▲ / ▼], then press [OK] repeatedly to switch between view and block.

- When the rating is blocked, 🔒 will appear.

21

Rating	Category	
X	Mature audience only	higher
NC-17	No one under 17 admitted	
R	Restricted; under 17 requires accompanying parent or adult guardian	
PG-13	Unsuitable for children under 13	
PG	Parental guidance suggested	
G	General audience	lower
NR	No rating	

7 Press [SETUP] to exit "SETUP" menu.

NOTE:
- When you select a rating and set it to block, the higher ratings will be blocked automatically. The lower ratings will be available for viewing.
- When you set the highest rating to view, all ratings turn to view automatically.
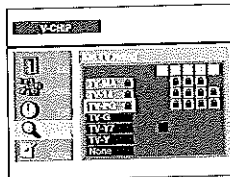
TV Rating

Follow steps 1-4 in "V-Chip Options" on page 21.

5 Select "TV RATING" using [▲ / ▼], then press [OK].

6 Select the desired rating using [▲ / ▼], then press [OK] repeatedly to switch between view and block.

- When the rating is blocked, **a** will appear.

Rating	Category	
TV-MA	Mature audience only	higher
TV-14	Unsuitable for children under 14	
TV-PG	Parental guidance suggested	
TV-G	General audience	
TV-Y7	Appropriate for all children 7 and older	
TV-Y	Appropriate for all children	lower
None	No rating	

7 Press [SETUP] to exit "SETUP" menu.

To Set the Sub Ratings

As for TV-MA, TV-14, TV-PG, or TV-Y7, you can further set the sub ratings to block specific elements of programming. To set the sub ratings, follow the step below.

Press [▲ / ▼ / ◄ / ►] to select the desired rating or sub rating, then press [OK] repeatedly to switch between view and block. Sub rating status will appear beside the main rating.
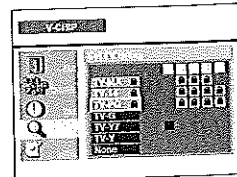
Sub Rating	Category	Rating
FV	Fantasy Violence	TV-Y7
V	Violence	TV-PG
S	Sexual Situation	TV-14 TV-MA
L	Coarse Language	
D	Suggestive Dialogue	TV-PG, TV-14

NOTE:
- Changing the main rating to block or view automatically changes all its sub ratings to the same (block or view).

Canadian English Rating

Canadian French Rating

Follow steps 1-4 in "V-Chip Options" on page 21.

5 Select "CANADIAN ENGLISH RATING" or "CANADIAN FRENCH RATING" using [▲ / ▼], then press [OK].

E.g., CANADIAN ENGLISH RATING

6 Select the desired rating using [▲ / ▼], then press [OK] repeatedly to switch between view and block.

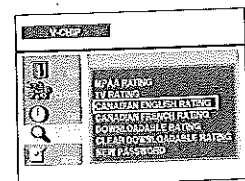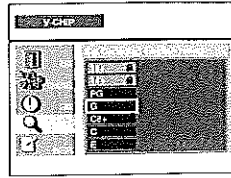• When the rating is blocked, 🔒 will appear.

[CANADIAN ENGLISH RATING]

Rating	Category	
18+	Adult audience only	higher
14+	Unsuitable for ages under 14	⬆
PG	Parental guidance suggested	
G	General audience	⬍
C8+	For children over 8	⬇
C	For all children	lower
E	Exempt program	

[CANADIAN FRENCH RATING]

Rating	Category	
18 ans+	Adult audience only	higher
16 ans +	Unsuitable for ages under 16	⬆
13 ans +	Unsuitable for ages under 13	
8 ans +	Unsuitable for ages under 8	⬇
G	General audience	lower
E	Exempt program	

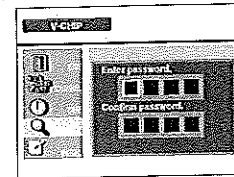**7 Press [SETUP] to exit "SETUP" menu.**

```
New Password
```

When you forget the password or when you want to change your password, follow the instructions below.

1 Follow steps 1-3 in "V-Chip Options" on page 21, then enter 4737 in the password entry field.

2 Select "NEW PASSWORD" using [▲ / ▼], then press [OK].
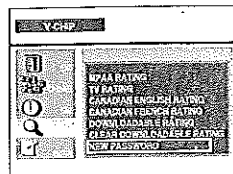
3 Enter the new 4-digit password using the number buttons.

• Enter password again in "Confirm password." entry field.

• Do not forget the password. It will be used as your new v-chip access password from the next time onward.

4 Press [SETUP] to exit "SETUP" menu.

NOTE:
• Make sure new password and confirm password must be exactly the same. If they are different, the space is cleared for reentering.

Closed Caption Options

DTV has its own closed caption called DTV CC. Use this menu to change the settings for DTV CC.

1 Press [SETUP] to display "SETUP" menu.

2 Select "DETAIL" using [▲ / ▼], then press [OK].

3 Select "CLOSED CAPTION" using [▲ / ▼], then press [OK].
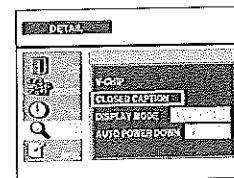
4 Select "DTV CC" using [▲ / ▼], then press [OK].

ADVANCED OPERATION

CC Style Edit

You can edit the style of CC such as font, color or size, etc. This feature is available only when "CC STYLE" is set to "MANUAL".

1 Repeat steps 1 to 3 in "Closed Caption Options" on page 23.
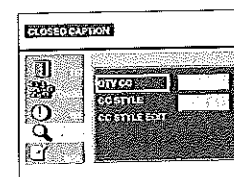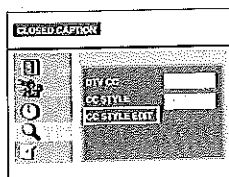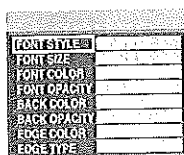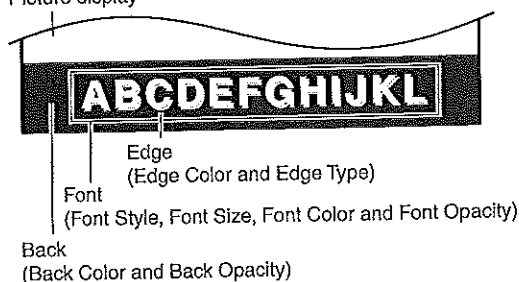
2 Select "CC STYLE EDIT" using [▲ / ▼], then press [OK].

3 Select an item using [▲ / ▼], then press [OK]. Then use [▲ / ▼] to select the desired setting and press [OK].

Picture display

Edge
(Edge Color and Edge Type)
Font
(Font Style, Font Size, Font Color and Font Opacity)
Back
(Back Color and Back Opacity)

• The setting description for each item is shown below.

[Font Style]
Closed Captioning font style can be changed.

[Font Size]
Font size of the displayed caption can be switched.

[Font Color]
Font color of the displayed caption can be switched.

[Font Opacity]
Font opacity of the displayed caption can be switched.

[Back Color]
Background color of the displayed caption can be switched.

[Back Opacity]
Background opacity of the displayed caption can be switched.

[Edge Color]
Edge color of the displayed caption can be switched.

[Edge Type]
Edge type of the displayed caption can be switched.

4 Press [SETUP] to exit "SETUP" menu.

Auto Power Down

The auto power down can be set to automatically turn off the STB after an incremental period of time. Default setting is 4 hours. (The EPA (U.S. Environmental Protection Agency) recommends using this setting to conserve energy.)

1 Press [SETUP] to display "SETUP" menu.

2 Select "DETAIL" using [▲ / ▼], then press [OK].

3 Select "AUTO POWER DOWN" using [▲ / ▼], then press [OK].
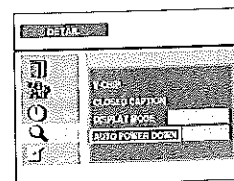
4 Select desired amount of time using [▲ / ▼], then press [OK].

• Select "OFF" to cancel the auto power down.

5 Press [SETUP] to exit "SETUP" menu.

Troubleshooting

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

Symptom	Remedy
No power	• Make sure that the AC power cord is securely plugged into the power outlet. • Make sure that the POWER indicator is lit.
The STB is not responding to the remote control	• Make sure to point the remote control at the remote control sensor. • You may be too far from STB. Try moving closer. • Remove any obstacles between the remote control and the remote control sensor. • Make sure that the batteries are installed in the correct direction (+ and –). • The batteries may be depleted. Replace them with new ones.
No picture	• Make sure that the video cable is correctly connected. • Make sure that video devices (TV or monitor) are turned on. • Make sure that video devices (TV or monitor) are correctly set to STB video output channel. Refer to your TV's manual for further information. • Check the video cable. • Check the antenna and the RF cable. There may be damage or interfering sources.
Blocked noise on picture	• There may be interfering sources.
No EPG or the provided information is wrong	• Make sure that "DST" and "TIME ZONE" is set correctly in "TIME" menu or in "SETUP WIZARD".
No sound	• Make sure that the audio cable is correctly connected. • Make sure that audio devices (stereo, TV or decoder) are turned on. • Make sure that audio devices (stereo or decoder) are correctly set to STB audio output channel. • When TV has only one audio input jack, use a standard audio cable (white) to connect the audio output jack (white) on STB to the audio input jack on the TV.
Low volume	• Sound volume differs depending on the audio out setting. Select "RF OUT" at step 5 in the "Setup Wizard" on page 13 if you feel the volume is too low.
No reception	• Make sure to complete autoscan in "SETUP WIZARD" or in "SETUP" menu. It will be required when you setup STB for the first time or when STB is moved to a location where other channels are broadcast. • The selected channel does not exist at that time. There are not always sub-channels being broadcast. • When autoscan is interrupted and not completed, some channels will not be received.
The entered channel number changes automatically	• Many digital channels have alternate channel numbers. STB changes the numbers automatically to the ones signifying the broadcasting stations.
No reception of channels with weak signal (autoscan)	• Some channels with weak signal may not be received properly. This is not a malfunction.

OTHERS

OTHERS

Symptom	Remedy
When you forget the password for v-chip	• If you forget the password, refer to "New Password" on page 22.
Closed captioning display (TEXT mode) does not go off even after changing channels through STB.	• Change the TV setting to a mode other than VIDEO. • Change channels through the TV. • Turn off the power of the TV, then turn on the power again.
The screen goes blank just after turning the STB on.	• This is a normal part of the start-up process and is not a malfunction.

Specifications

Product
DTV Digital to Analog Converter

Tuner
Receivable channels 2-69ch

Connecting Jacks
ANT. IN/OUT
F connector (75ohm)
Video Output
1-pin jack, 1Vpp (75ohm)
Analog Audio Output
2-pin jacks (L, R)
2V rms (100k ohm)

Power Source
120V AC+/-10%, 60Hz+/-0.5%

Power Consumption
8W (Power on), Less than 1 W (Power off)
ENERGY STAR adopted.

Closed Caption System
§15.122/FCC (digital CC) §15.119/FCC (analog CC)

Operating Condition
41°F (5°C) - 104°F (40°C)

Dimensions (W x H x D)
9.7" x 1.7" x 6"
(244mm x 43mm x 150mm)

Weight
1.4lbs. (0.6Kg)
Designs and Specifications are subject to change without notice.

Glossary and Acronyms

ATSC - Advanced Television Systems Committee:
This group is working to establish the standards for digital TV broadcasting and digital TV equipment for both SDTV and HDTV.

Autoscan:
Autoscan can receive available digital channels and store these in a channel map.

D.S.T - Daylight Saving Time

Electronic Program Guide (EPG):
EPG is the electronic equivalent of a printed TV program guide.
You can view a list of programs scheduled for from the next few hours up to the next seven days.

MPAA - Motion Picture Association of America:
A guild governing rating assignments to movies.

Password:
A stored 4-digit number that you must provide in order to make settings for v-chip.

SD - Standard Definition