ENERGY STAR

DOLBY DIGITAL

DTV

Analog Pass-Through DTV CONVERTER BOX

DIGIT/LSTRE/M

DTX9950

"Digital Television Transition Notice: This device contains a digital television tuner and is designed to receive digital over the air TV broadcast signals within the service area of a broadcast station, with a suitable antenna, after the end of full-power analog TV broadcasting in the United States on February 17, 2009. Some older television receivers, if they rely on a TV antenna, will need a digital-to-analog Converter to receive over the air digital programming, but should continue to work as before for other purposes (e.g., for watching low-power, Class A or translator TV stations still broadcasting in analog, watching pre-recorded movies, or playing video games). Information about the DTV transition is available from www.DTV.gov or 1-888-CALL-FCC, and from www.dtv2009.gov or 1-888-DTV-2009 for information about government subsidized coupons for digital-to-analog converter boxes."
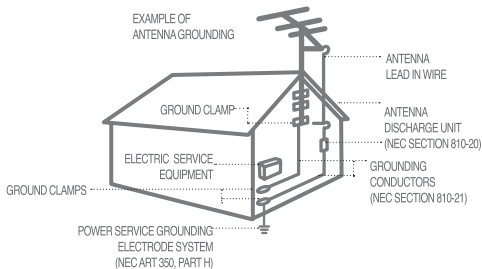
"Aviso de la Transición de la Televisión Digital: Este aparato contiene un sintonizador digital de la televisión y se diseña recibe digital sobre las señales de la difusión de TV del aire dentro del área de servicio de una estación de la difusión, con una antena conveniente, después del final de la difusión de television análoga de plena potencia en los Estados Unidos en el Febrero de 17 de 2009. Algunos receptores de televisión más antiguos, si confían en una antena de la TV, necesitarán un convertidor de digital a analógico recibir sobre la programación digital del aire, pero deben continuar transmitiendo como antes para otros propósitos (e.g., para ver la baja potencia, la clase A o las estaciones retransmisora de TV que todavía difunden en análogo, ver las películas pregrabado o jugar los juegos video). La información sobre la transición de DTV está disponible de www.DTV.gov o 1-888-CALL-FCC y de www.dtv2009.gov o 1-888-DTV-2009 pa95ra la información sobre las cupones subvencionadas gobierno para las cajas de convertidor de digital a analógico."

NHENS
NHENS DIGITAL, INC.

Important Safety Instruction

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

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with a dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use the attachments/accessories specified by the manufacturer.
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

EXAMPLE OF
ANTENNA GROUNDING

ANTENNA
LEAD IN WIRE

GROUND CLAMP

ANTENNA
DISCHARGE UNIT
(NEC SECTION 810-20)

ELECTRIC SERVICE
EQUIPMENT

GROUNDING
CONDUCTORS
(NEC SECTION 810-21)

GROUND CLAMPS

POWER SERVICE GROUNDING
ELECTRODE SYSTEM
(NEC ART 350, PART H)

15) Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
16) Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17) Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electrical shock.
18) Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
19) Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20) Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power-supply cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way, and
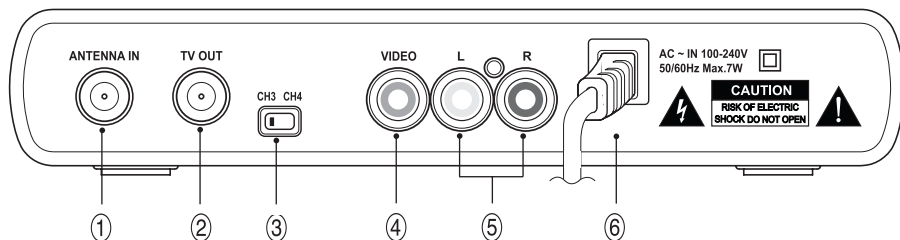   f) When the product exhibits a distinct change in performance - this indicates a need for service.
21) Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
22) Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
23) Wall or Ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
24) Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
25) The socket-outlet shall be installed near the equipment and shall be easily accessible.
26) When used outside of the U.S., it may be used HAR cord with fittings of an approved agency is employed.
27) Do not install this equipment in a confined space such as a book case or similar unit. Allow adequate air circulation around this product.
28) Relevant label is attached on the bottom of this box.

Front Panel

① ② ③

④ ⑤

DIGITALSTREAM

DOLBY DIGITAL DTV
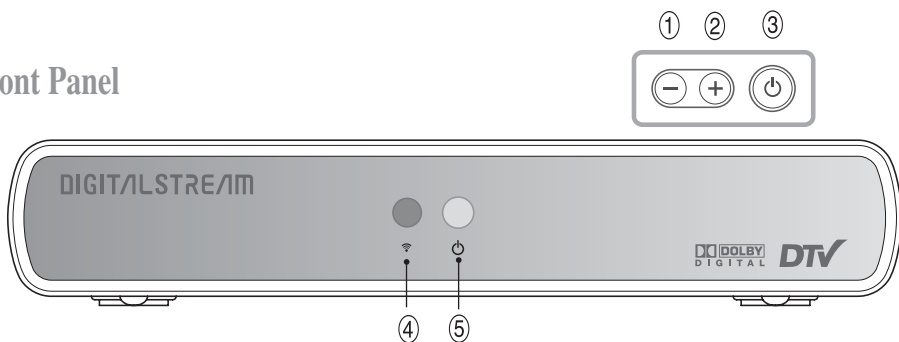
① - : Channel down
② + : Channel up
③ Power : Turn the DTV Converter Box on and off
④ IR Receiver

⑤ Power LED : When the receiver is powered on, the LED indicator lights green. In standby mode, LED light is red. LED will blink whenever IR input is detected. LED may blink when the receiver is entering standby mode. Do not disconnect AC plug while LED is blinking.

Rear Panel

ANTENNA IN   TV OUT   CH3 CH4   VIDEO   L   R   AC ~ IN 100-240V 50/60Hz Max.7W

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

① ② ③ ④ ⑤ ⑥

① ANTENNA IN (75 Ohm) : Connect the outdoor / indoor antenna here.
② TV OUT : Connect to television's antenna input.
③ CH 3/4 : Use channel 4 setting unless already in use by another device.
④ VIDEO : Connect to a TV with this video input.

⑤ AUDIO L/R : When using VIDEO out, connect these terminals to the analog audio inputs of a TV set (i.e., to a TV that has jacks for L/R inputs). or, connect these terminals to the L/R inputs of a separate audio component.
⑥ Power Cable : Connect the AC Power 100~240V into power source.

⚠ Analog outputs are displayed in 480i (CVBS) format only.

Checking Parts

① Remote Control
Control Remoto
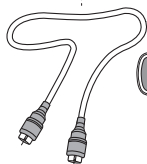
② AAA 1.5V Battery x 2
AAA 1.5V Pilas X 2

③ Owner's Manual
Manual Usario

OWNER'S MANUAL

④ Install Guide
Guía de instalación

INSTALL GUIDE

⑤ RF cable
Cable RF

DIGITALSTREAM DTV

⑥ DTV Converter Box
Caja del convertidor para TV Digital

02

Universal Remote Control

TV Input: Press to select TV input options (TV Antenna, AV 1, AV 2, etc.).

TV Power: Turn on and Turn off the power of TV set.

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

MENU: Press to display the on-screen menus, or to exit the menu-screen.

BACK: Press to return to the previous menu.

Volume up and down: Press to change volume.

MUTE: Press to turn off the sound. Press again to restore the sound.

AUDIO (Multitrack Sound): Press to select available "multitracks" or audio languages. Depending on the particular broadcast, one or more foreign language translations may be available.

METER (Signal Quality Information): Press to view signal strength of the current channel.

Power: Turns the Converter Box on and off.

TV Volume down: Decrease TV volume.
TV Volume up: Increase TV volume.

FAV (Favorite Channel): Press to switch to your favorite channel(s). You can edit favorite channel(s) in Channel Edit menu.

OK (Channel Info): While using the on-screen menus, press to select (or change) a particular function. In viewing state, press OK to bring up the Channel Info Banner with station and program infomation of current channel.

Previous Channel: Press to alternate between the current channel and the last channel that was viewed.

Channel up and down: Press to change channels and navigate through the on-screen menus.

A/D: Press to alternate between DTV channel and Analog Pass-Through channel.

CC: Press to turn On or Off the CC service, or toggle through available languages, if available from the broadcaster.

ZOOM: Press to select picture display mode for best viewing. See page 11.

Channel-Number Buttons: Press to directly tune to a particular channel. To tune with RF number, press dash (dot) key first.

IR Code Listing

Vendor Code : 1234

00FF	POWER	02FD	UP	1DE2	BACK	13EC	3	18E7	8	1EE1	EPG	23DC	AUDIO
08F7	CH_UP	03FC	DOWN	01FE	OK	14EB	4	19E6	9	22DD	MUTE	28D7	A/D
09F6	CH_DOWN	04FB	LEFT	10EF	0	15EA	5	20EF	PREV	25DA	CC		
06F9	VOL_UP	05FA	RIGHT	11EE	1	16E9	6	1FE0	FAV	1AE5	DOT		
07F8	VOL_DOWN	1BE4	MENU	12ED	2	17E8	7	24DB	ZOOM	2CD3	METER		

How to program the Universal Remote

1. Turn on the TV Set.
2. Refer to the Remote Program Codes in the Install Guide and look for the 3-digit program code for your TV brand. If there is more than one program code, choose any one of them.
3. If your TV set is not on the list, follow the steps below in "Searching for Program Codes".
4. Press and hold "TV Power ⏻" button of the Universal Remote, and enter the 3-digit program code with the number keys. * Hold each number key for one full second when entering the program code.
5. Release "TV Power ⏻". If the TV set turns off, programming is done. TV set does not turn off, try another program code or try searching for a program code.
6. Check whether "TV Power ⏻", "TV Input ⎘", "TV Volume Up ⊕", and TV Volume Down ⊖" buttons work. If the TV set responds, no further programming is required. If the "TV Power ⏻" button works, but not others, try another program code or try searching for a program code.

Searching for Program Codes

1. If TV set does not turn off with all available program codes, press and hold "TV Power ⏻" button of the Universal Remote, and slowly press "Up ⏶" button repeatedly until TV set turns off. (see NOTES below.)
2. Release "TV Power ⏻". If the TV set turns off, programming is done.
3. Check whether "TV Power ⏻", "TV Input ⎘", "TV Volume Up ⊕", "TV Volume Down ⊖" buttons work well. If the TV set responds, no further programming is required. If the TV set does not respond, please try again by slowly pressing "Down ⏷" button in Step 1.
4. If "TV Power ⏻" button works, but not others, repeat from Step 1 again.

NOTE : If TV set does not turn off after 105 times, we recommend trying again by pressing "Down ⏷" button in Step 1. If the TV does not respond with "Up ⏶" and "Down ⏷" buttons, the Universal Remote Control can not control the TV.

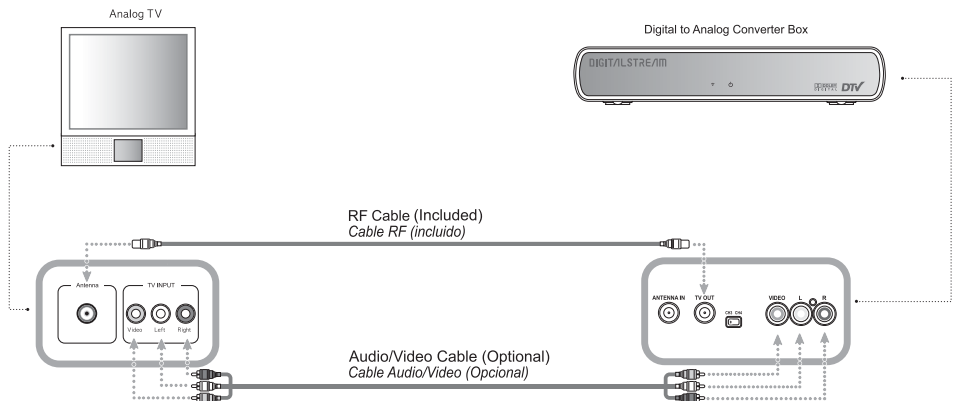## Connecting the DTV Converter Box to your Antenna

Connect the coaxial cable from your antenna to the antenna input jack of the DTV Converter Box.

Antenna
Antena

Antenna Input
VHF/UHF
Entrada Antena
VHF/UHF

Coaxial Cable
Cable Coaxial

ANTENNA IN
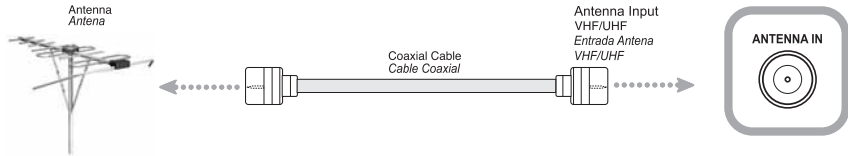
⚠ - Do NOT bend/crease the coaxial cable. Bending of cable will hamper signal transfer.
- Use a UHF/VHF amplifier to boost signal strength.

Connecting the DTV Converter Box to your Analog TV Set

1. Connect the RF Cable (included) from the "TV Out" of the DTV Converter Box to the antenna input jack of your analog TV.

2. Set the CH 3/4 switch on the back of the DTV Converter Box to CH3 or CH4.

3. Plug all the power cords into a power outlet and power on TV and DTV Converter Box.

4. Tune your TV to the same channel the Converter Box is set to (Channel 3 or 4).

5. Follow the Setup Wizard on the screen.

6. Enjoy DTV Channels!

Analog TV

Digital to Analog Converter Box

DIGITALSTREAM   DTV

RF Cable (Included)
Cable RF (incluido)

Antenna   TV INPUT
Video   Left   Right

ANTENNA IN   TV OUT   VIDEO   L   R
CH3 CH4

Audio/Video Cable (Optional)
Cable Audio/Video (Opcional)

⚠ If your TV has Video and Left/Right Audio ports, you can use an optional Audio/Video Cable for the best sound and picture quality.
If you use an Audio/Video Cable, select "Line Out" for the Preferred Connection (see page 11).

04

How to use Analog Pass-Through function.
If you live in an area where some TV stations are still broadcasting analog signals,
your TV can receive these signals by using the analog pass-through feature of your Converter Box.

Digital to Analog DTV Converter Box

Analog TV Rear
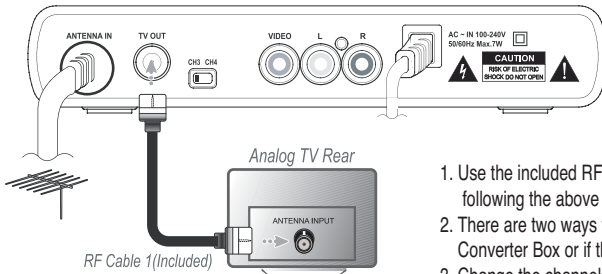
RF Cable 1(Included)

1. Use the included RF cable to connect the Converter Box to your TV following the above instructions.
2. There are two ways to activate analog pass-through: turn off the Converter Box or if the converter box is on, press A/D on the remote.
3. Change the channels on your TV set to tune to the desired analog channel.

Analog pass-through will not work if you connect only using the optional A/V cable, but you can connect both cable types at the same time.

When you press A/D, the message "Digital TV Mode" or "Analog Pass Through" is displayed to indicate the mode you are going to.

Connecting the DTV Converter Box to your VCR/DVD Recorder with RF Cable.

Digital to Analog DTV Converter Box
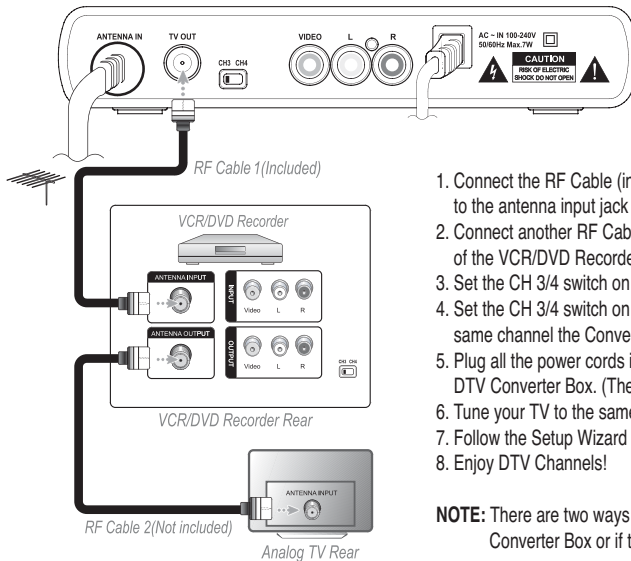
RF Cable 1(Included)

VCR/DVD Recorder

VCR/DVD Recorder Rear

RF Cable 2(Not included)

Analog TV Rear

1. Connect the RF Cable (included) from the "TV Out" of the DTV Converter Box to the antenna input jack of your VCR/DVD Recorder.
2. Connect another RF Cable (not included) from the antenna output jack of the VCR/DVD Recorder to the antenna input jack of your analog TV.
3. Set the CH 3/4 switch on the back of the DTV Converter Box to CH 3 or CH 4.
4. Set the CH 3/4 switch on the back of the VCR/DVD Recorder to the same channel the Converter Box is set to (Channel 3 or 4).
5. Plug all the power cords into a power outlet and power on TV and DTV Converter Box. (The VCR/DVD Recorder shall be in Stand-by mode.).
6. Tune your TV to the same channel the Converter Box is set to (Channel 3 or 4).
7. Follow the Setup Wizard on the screen.
8. Enjoy DTV Channels!

NOTE: There are two ways to activate analog pass-through: turn off the Converter Box or if the converter box is on, press A/D on the remote.

05

Connecting an Antenna
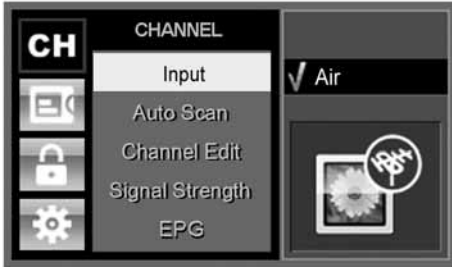
Make sure that the RF cable is connected correctly.

Auto Scanning Channels
How to scan and store channels.

Use "Channel -> Auto Scan" menu to automatically perform channel searching.
Two modes are available:
- Select Rescan to delete all previously stored channels and store channels found with the current scan.
- Select Update to keep all previously stored channels and update the channel list with newly found channels.
  If you want to stop the AutoScan during scanning, press the OK button once more.

> ⚠️ - The DTV Converter Box MUST be connected to an antenna in order to receive digital TV signals.
> - Generally, you can tune to specific channel by pressing the NUMBER buttons.
> - "Update" scan is ideal for regions where station transmit towers are in different directions and your antenna is required to rotate.

Editing Stored Channels
How to edit your channel list and favorite channel list.

Use "Channel -> Channel Edit" menu to enter channel edit menu.
Use the "Channel up/down" button to move to previous/next page.

> ⚠️ Press OK button to activate or deactivate the channel, or delete from your favorite channel list.
> If you remove the "✓" icon, the channel cannot be viewed.
> If you set the "♥" icon, the channel will be added to the favorite list.

Verifying the Signal Strength of Digital Channels

How to view the signal strength meter to adjust the antenna system.

Use "Channel -> Signal Strength" menu to verify signal strength of current channel.
You may press the METER button on the remote to view the Signal Strength.

Using the EPG (Electronic Program Guide)

The EPG gives you an overview of available programs. The EPG shows the program list, start and end times, and detailed information. (Availability and amount of program details depend upon broadcast's feed.)
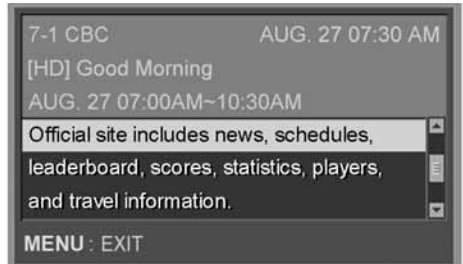
Use "Channel -> EPG" menu to view EPG.
Press Up and Down buttons to navigate through the EPG.
Press OK button to view detailed program information.

- You may press the EPG button on the remote to view the EPG.
- To receive the EPG information from a broadcaster, you must tune to the specific channel to receive the broadcaster's PSIP(Program and System Information Protocol) to update the EPG (if available).

Setting up the DTV CC Display

How to enable/disable display of Closed Caption.
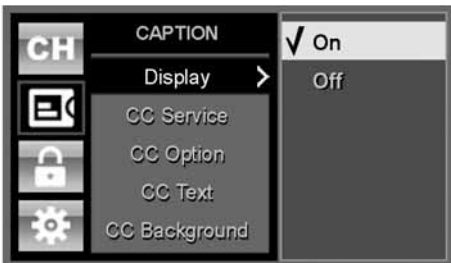
Use "Caption -> Display" menu to enable or disable caption display.

07

Setting up the DTV CC Service
How to change service of Closed Captions.
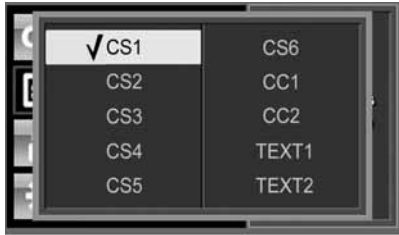
Use "Caption -> CC Service" menu to select caption service.

Setting up the DTV CC User Option
How to change option of Closed Captions.
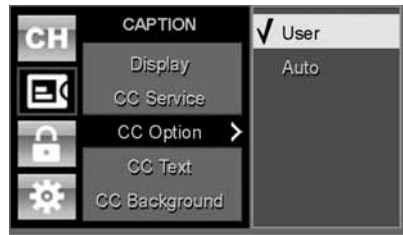
Use "Caption -> CC Option" menu to select auto mode or user mode.
User mode – To use "CC Text" and "CC Background" option.
Auto mode – To use caption parameters inside broadcast's caption data.

Setting up the DTV CC Text
How to change text of Closed Captions.
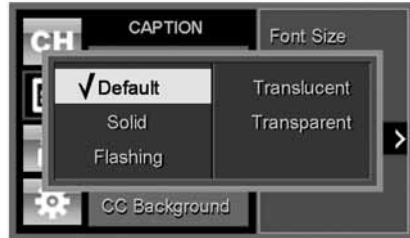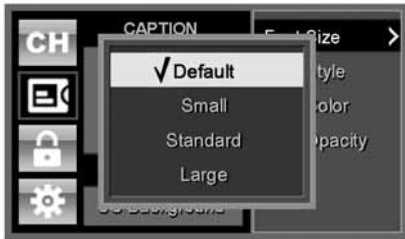
Use "Caption -> CC Text" menu to set up DTV CC text option.
Caption text size, Caption text style, Caption text color, Caption text opacity (Effective for CS1-CS6 Closed Caption services.)

Setting up the DTV CC Background
How to change background of Closed Captions.

Use "Caption -> CC Background" menu to set up DTV CC background user option. Caption background color, Caption background opacity
(Effective for CS1-CS6 Closed Caption services.)

Setting up the Rating Option
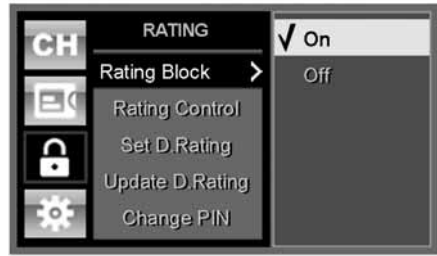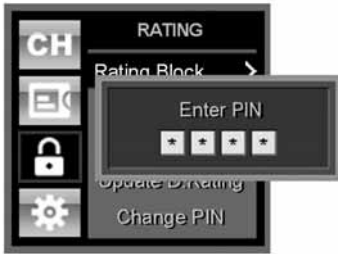
Use the "Rating" menu to set up various rating options. To enter the rating menu, enter your PIN by pressing the NUMBER buttons. Use "Rating -> Rating Block" menu to enable or disable rating function.

⚠️ **The default code is "0000".**
If you forgot the password, enter master PIN "7762".

Setting up the US Rating

Use "Rating -> Rating Control -> US TV" menu to set up US TV rating control.
Use "Rating -> Rating Control -> MPAA" menu to set up US MPAA rating control.
Press the Arrow buttons to highlight the item that you want to change and press OK button.

Setting up the Digital Rating (Downloadable Rating) Control

Use "Rating -> Set D.Rating" menu to set up digital rating control.
Press Left and Right key to change rating dimension. Press Up and Down key to highlight the values that you want to change and press OK button.

Downloading Digital Rating (Downloadable Rating) Data

Use "Rating -> Update D.Rating" menu to download rating information.
In normal situation, digital rating data will be automatically downloaded and updated when you tune to channels.
The purpose of this menu item is to overwrite previously existing rating data with newly received data.
Use this menu only when you need to delete previously existing rating data.

Changing your PIN

Use "Rating -> Change PIN" menu to change your PIN.
Enter and re-enter your new PIN by pressing the
NUMBER buttons.

Important Notes About Parental Locks.
Explanation of the MPAA and TV(FCC) Rating Systems:

TV(FCC) Age-Based Ratings
TV-Y   All children. The themes and elements in this program are specifically designed for a very young
         audience, including children from ages 2~6.
TV-Y7   Directed to older children. Themes and elements in this program may include mild physical or comedic
         violence, or may frighten children under the age of seven.
TV-G   General audience. It contains little or no violence, no strong language, and little or no sexual dialogue
         or situations.
TV-PG   Parental guidance suggested. The program may contain infrequent coarse language, limited violence,
         some suggestive sexual dialogue and situations.
TV-14   Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong
         language and more intense violence.
TV-MA   Mature audiences only. This program may contain mature themes, profane language, graphic and
   explicit sexual content.

TV(FCC) Content Category
FV: Fantasy or cartoon violence.   S: Sexual content.
D: Dialogue...sexual innuendo.   V: Violence.
L: Offensive language.

MPAA Rating System (Movies)
G: General audience. No restriction.
PG: Parental guidance suggested. Some material may not be suitable for children.
PG-13:   Parents strongly cautioned. Some material may be inappropriate for children under 13.
R: Restricted. Under 17 requires accompanying parent or adult guardian.
NC-17:   No one 17 and under admitted.
X: Adults only.

Setting up the Audio and Video

How to select available display modes.
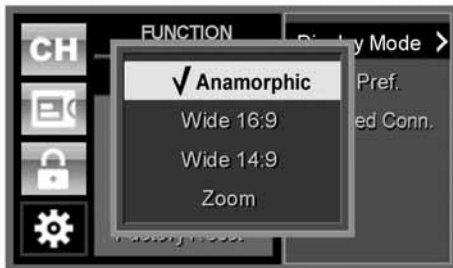
Use "Function -> Audio/Video -> Display Mode" menu to
change display mode.
The ZOOM button on the remote can also be used to
change display modes.

How to change audio preference.

Use "Functions -> Audio/Video -> Audio Preference" menu to
select your default audio languages.
If your selected language is unavailable or "Auto" is selected,
the primary audio will be used.

10

Anamorphic mode – Video is fit to entire display screen regardless of aspect ratio of incoming video. It may stretch picture vertically.

Wide 16:9 mode – Video shrink vertically and black bars exist at the top and bottom of the screen and entire image will be shown.

Wide 14:9 mode – Mixture of "Wide 16:9" and "Zoom" mode. Left and Right portions of video are cropped and black bars exist at the top and bottom of the screen.

Zoom mode – Top and Bottom portions of video are cropped out and center area of video is displayed.

Left and right black bars may exist, depending upon the broadcasting station.
The size of black bars may vary depending upon the TV set.

How to select preferred connection.
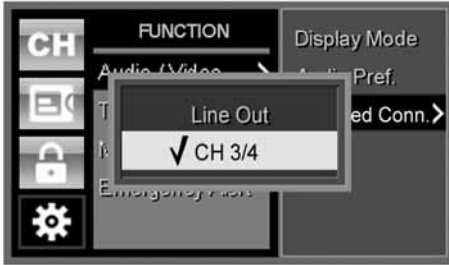
Use "Function -> Audio/Video -> Preferred Conn." menu to select your preferred connection mode.
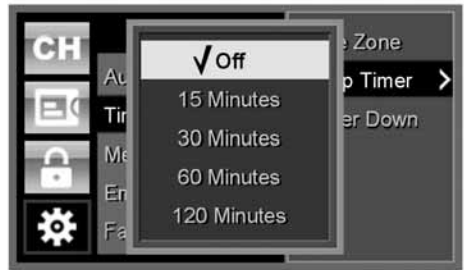
Two modes are available:
- Line Out: If you used an optional Audio/Video Cable to connect to the TV, select "Line Out."
- CH 3/4: If you used the included RF Cable to connect to the TV, select "CH 3/4" (this is the default setting).
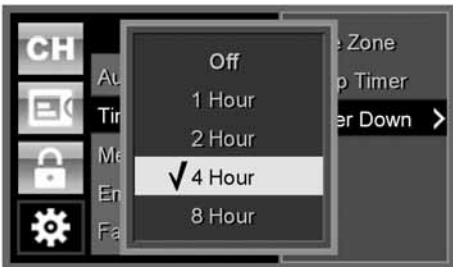
Setting up the Time Functions

Use "Function -> Time -> Time Zone" menu to change the time zone.

Use "Function -> Time -> Sleep Timer" menu to set up sleep timer. If "Off" is selected, the sleep timer will be canceled.
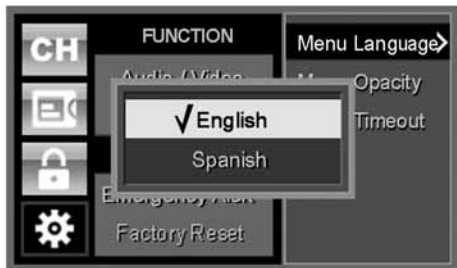

Use "Function -> Time -> Power Down" menu to change the auto power down time. If no remote control button is pressed during specified time duration, receiver will be automatically turned off. If "Off" is selected, the auto power down function will be disabled.
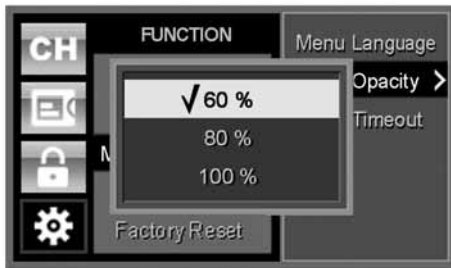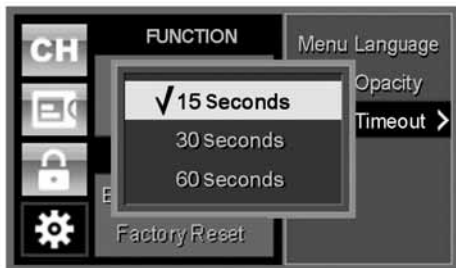
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Menu Options

Menu Language
Use "Function -> Menu -> Menu Language" menu to change menu language.
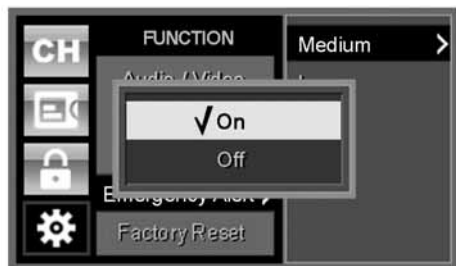
Menu Opacity
Use "Function -> Menu -> Menu Opacity" menu to change opacity (transparency) of menu OSD.

Menu Timeout
Use "Function -> Menu -> Menu Timeout" menu to change menu timeout.

Emergency Alert

Use "Function -> Emergency Alert" menu to set up an Emergency Alert option of each alert priority.
If "Off" is selected, an emergency alert message of the specified priority will be ignored.

Factory Reset

Use "Function -> Factory Reset" menu to initialize Receiver as factory default state. You should enter PIN number to enter this menu. This is same number used in Rating menu. Note that channel list data will not be initialized. To reset channel data, use "Auto Scan -> Rescan" menu. After Factory Reset is completed, DTV Converter Box will be automatically reset. You need to follow the Setup Wizard again.

Viewing Current Channel Information

How to view the channel info banner to obtain quick information of program.

- **To view the Info banner**
  Press OK button on the remote control
  while viewing program.
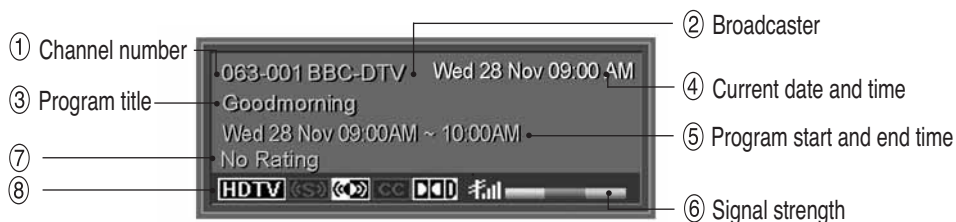- **To change audio volume**
  Press LEFT, RIGHT button.

- **To hide the Info banner**
  Press OK, BACK, MENU, or wait
  10 seconds and the display will disappear.
- **To change next available audio multi-track or audio language**
  Press AUDIO button.

① Channel number

③ Program title

⑦

⑧

② Broadcaster

④ Current date and time

⑤ Program start and end time

⑥ Signal strength

063-001 BBC-DTV   Wed 28 Nov 09:00 AM
Goodmorning
Wed 28 Nov 09:00AM ~ 10:00AM
No Rating
HDTV (S) (●) CC DD

- **The Info banner shows**
  ① The major channel number and
     the sub/minor channel number
  ② Name of station
  ③ Program title
  ④ Current date and time
  ⑤ Program start and end time
  ⑥ Signal strength

  ⑦ Program rating information

  ⑧ **HDTV** is highlighted when broadcast feed is 720p or 1080i resolution.

  (S) is highlighted when stereo is available.

  (●) is highlighted when multilingual audio tracks are available.

  CC is highlighted when Closed Caption service is available.

  DD is highlighted when multi channel Dolby Digital surround sound source.

Specifications

- **Video**

Coding Algorithm	- MPEG-2 Video Decoding MP@ML, MP@HL
Video Format	- ATSC 18 Formats
Output Format	- 480i(CVBS)

- **Audio**   - AC-3 Audio (DD) Decoding   Digital Multi-Lingual

- **Input Output Terminals**

Antenna Input	- IEC 169-2, Female (F-Type), 75 Ohms
Video Output	- CVBS (Composite), RF Output (CH 3/4)
Audio Out	- L/R, RF Output (CH 3/4)

- **Functions**

Band Corverage	- CH 2 ~ CH 69
Broadcasting Standard	- ATSC
Menu Language	- Engilsh, Spanish
EPG	- Support
Display Format	- Anamorphic, Wide 16:9, Wide 14:9, Zoom

- **Others**

Remote Control Unit	- Requires DC 1.5V AAA battery X2
AC Power	- AC ~ IN 100-240V, 50/60 Hz
Power Consumption	- 7W (Max)
Dimensions (W x D x H)	- 7.68"(W) x 4.13"(D) x 1.34"(H)
Weight	- 0.970 (lbs)

How to control the DTV Converter Box with a Universal Remote Control.

Refer to the user's guide of your Universal Remote Control for instructions on entering setup codes.

Case 1

If the Universal Remote Control is one of the following models, then you can control the DTV Converter Box by entering the following setup code.

Brand	Category no.	Setup code
RadioShack	15-100, 15-133, 15-134, 15-135	00819, 00749, 01749
RadioShack	15-2142, 15-2200, 15-2147, 15-2115	0899, 0819, 0749, 1749
Philips	15-115	0354, 0465, 0864

Case 2

If the Universal Remote Control is not one of the above models, try using the setup codes for Americast, Bell South, Zenith Network, Hitachi, DirecTV, Hughes Network System, Mitsubishi, Philips, or Toshiba under the category of Satellite set-top-box or Cable set-top-box.

Case 3

If DTV Converter Box does not respond to your Universal Remote Control after trying all corresponding codes in Case 1 and 2, try searching for the setup code, following instructions in the Universal Remote Control's user's guide.

Case 4

If you have universal and learning remote control, refer to the user's guide of the Universal Remote Control and follow instructions for leaning and entering setup codes.

> NOTE: If DTV Converter Box does not respond at all after trying Case 1, 2, 3, and 4, your Universal Remote Control can not control the DTV Converter Box.

Troubleshooting Guide

If you are having difficulty with your DTV Converter Box, follow the troubleshooting guides below. If problems persist, call your local service technician for further assistance.

Symptoms	Possible Solutions
TV goes static or blank.	- Make sure TV is tuned to the correct channel. - Make sure the correct video source is selected. - Make sure the correct A/D mode is selected (digital TV or analog pass-through).
No Power.	- Check to make sure the power cord is plugged in to the wall outlet securely.
Intermittent signal or no signal.	- Make sure your antenna is connected and without damage. - The antenna signal strength may be low. Check the signal meter on the receiver to see if the signal is strong enough. If not, adjust your antenna system. - If you are using a powered antenna, make sure the power boost is on. - Make sure the correct resolution format with your monitor is selected.
Poor or no sound.	- Check to make sure the audio cables are connected properly and without damage. - Make sure the MUTE function is not 'On' on your TV, DTV Converter Box, or audio receiver. - Try another audio track or language using the remote's Audio button or on-screen display menu.
Picture is distorted.	- Make sure the correct display mode is selected. - Make sure the video cables are connected properly and without damage.
Remote control does not work.	- Make sure you have fresh batteries installed properly into the remote control. - Operate the remote within 23 ft from the DTV Converter Box. - Remove any obstruction from the DTV Converter Box's sensor.

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Limited Warranty

This brand product is warranted by NHENS DIGITAL, INC. to the original purchaser against manufacturing defects in materials and workmanship encountered in the normal noncommercial use of this product for a limited warranty period of:

Six (6) Months Labor and Parts

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States.

1-LABOR: During the six months labor limited warranty period: NHENS DIGITAL, INC. will, at its option, repair the defective product at no cost to you, or replace the defective product with a new or remanufactured functionally equivalent product of equal value.

2-PARTS: During the six months parts limited warranty period, NHENS DIGITAL, INC. will supply new or rebuilt replacements for defective parts as may be deemed.

3-This Warranty DOES NOT APPLY to products that have been damaged due to abuse, misuse, accident, alteration, modification, negligence, line power surges, connection to improper voltage supply or settings, accident, acts of God and tampering or products that have been serviced by any unauthorized service center or third party. This Warranty DOES NOT APPLY to batteries, connecting cables, or other accessories packaged with the unit. 4-In order to have your merchandise repaired or replaced by warranty, you must contact our Customer Service representatives by phone or email, and get RMA number. Once you have obtained a RMA number, send the unit pre-paid to our authorized service center in the original packaging or reasonable substitute to prevent damage. You "Must" include your full name, shipping address and telephone number for our reference with Proof of purchase. No return will be shipped back to a PO BOX. NHENS DIGITAL, INC. will not be responsible for delays or unprocessed claims resulting from a purchaser's failure to provide any or all of the necessary information. It will take approximately 3 to 4 weeks to process, from the date of receipt. All of the accessories that came with the product package must be sent along with the main unit. The RMA number issued by our customer service rep. must be written on the mail package, along with return address.

Contact the number & email below for service :

1-866-706-4367 / support@dsconverter.com

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CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

" The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus."

c $\mathbb{UL}$ US
LISTED
(HDTV DIGITAL RECEIVER)
3NW3
E237355

Caution : Any changes or modifications in construction of this device without written authorizution are not expressly approved by the party responsible for compliance, could void the user's authority to operate equipment.

NOTE : This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipmint generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception. Which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures : Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an oulet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.