



# User Guide

Advanced High-Definition Personal Video Recorder



Evolution - Ideas to Solutions for a Digital World

# Information to the user

## **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 equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. 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 outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **CAUTION :**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# Introduction

Thank you for choosing the Evolution DMS-2042-HD-PVR Advanced High-Definition Personal Video Recorder (PVR). The Evolution DMS-2042-HD-PVR will allow you to enjoy viewing HDTV with easy-to-use on-screen menus and navigation. The PVR functionality makes sure you never miss your favorite shows with record, pause and rewind functionality.

## DMS-2042-HD-PVR Features:

- High-Definition TV (HDTV) Capabilities
- Dual Tuner Personal Video Recorder (PVR)
- Interactive Electronic Program Guide (EPG)
- Set up to 16 unique Favorite Channel Lists
- Parental Lock, by TV Ratings and Channels
- Wall Mountable. Ideal for Flat Panel TV Installations.
- Front and Top Panel 4-Digital LED Display
- Universal Remote Control including Batteries
- 250 GB Storage
- HDMI and Component HDTV Outputs
- Dolby™ Digital 5.1 (S/PDIF)

This User Guide includes the following sections to get you started using Evolution's Advanced HD PVR:

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### Quick Tip

Read this manual thoroughly and retain it for future reference to optimize your viewing pleasure. The Evolution Advanced HD PVR is full of features to expand your HDTV capabilities. Enjoy a wall mounted install with your flatscreen or the standard table top install.



## Important

Read this manual carefully before using the product. Use only as instructed. The cautions described contain important information about safety, and are categorized into: **Danger**, **Warning** and **Notice**. The company will not take any responsibility for accidents or damage resulting from careless handling by the user.

# Important Safety Information



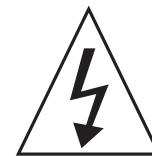
## Danger

If the user mishandles the product, there is a risk of loss of life or critical injury.

- Connect the power cord only to A/C outlets as specified by the user manual or product specification. If the power cord is connected to a non-specified A/C outlet, it could result in fire or electric shock.
- The product must not be exposed to water or liquid of any sort, or be exposed to drips or splashes. It could result in fire or electric shock.
- Do not place heavy objects, including the product itself, on top of the power cord. If it is damaged, it could result in fire or electric shock.
- Do not place metal objects on top of the apparatus. If metal objects fall into the apparatus, it could result in fire or electric shock.
- Do not repair, disassemble or modify this apparatus your self. It might cause fire or electric shock. If internal checking or maintenance is needed, please contact your service center or agency.
- Do not block or cover any ventilation opening. A fire might result from overheating.
- Turn off and unplug the power as quickly as possible during electric storms. Failure to do so could result in fire or electric shock.

- Remove the antenna's power plug from the outlet as quickly as possible during electric storms. Failure to do so could result in fire or electric shock.
- Do not drop the apparatus (for example by putting it in a place where it may fall) or subject it to impact. The product might be damaged. If it is damaged, please turn off the power and remove the plug from the power outlet, or fire or electric shock may result.
- Never touch the power cord with wet hands. It could result in an electric shock.

## RISK OF ELECTRICAL SHOCK DO NOT OPEN



**CAUTION:** To reduce the risk of electrical shock, do not remove the cover. No user serviceable parts inside. Refer any servicing to qualified Service personnel.

# Important Safety Information



## Warning

If the product is mishandled, the user might receive a serious or minor injury. Damage or loss to the user's property might also result.

- The product must not be exposed to water or liquid. If the apparatus is exposed to drips or splashes, it might cause a problem that cannot be repaired.
- Do not repair, disassemble or modify this apparatus yourself. It might be seriously damaged, possibly beyond repair.
- Turn off the power and unplug the power cord as quickly as possible during electric storms. They might damage the apparatus.
- Remove the antenna's power plug from the outlet as quickly as possible during electric storms, or the apparatus might be damaged.



## Notice

If the product is mishandled, it might cause minor damage.

- If the apparatus becomes marked, clean it gently with a soft cloth or towel. Never use chemical solvents such as benzene, thinner, acetone or other solvents. The surface of the apparatus might become discolored and the paint might peel.

- Do not place or keep the apparatus in the following situations. Doing so might cause problems.
  - where it is too hot or cold.
  - where there is high humidity.
  - where there are excessive temperatures, for example in front of airconditioners or heating vents.
  - where there is dust or soot.
  - in confined areas where the heat cannot be released.
  - where it is exposed to direct sunlight.
- Turn the apparatus off or unplug the power cord if it is to remain unused for a long period of time.
- Do not place heavy objects on top of this apparatus. It might cause malfunction or damage.
- If the apparatus is so seriously damaged that it cannot be repaired, or has stopped working altogether, dispose of it properly in accordance with the local laws or regulations in your area.



## Important

The DMS-2042-HD-PVR is provided with a DC 14V IN AC Power Supply. It has been designed to meet the requirements of the DMS-2042-HD-PVR. No other power supply should be used with this set-top box unless provided by your cable provider.



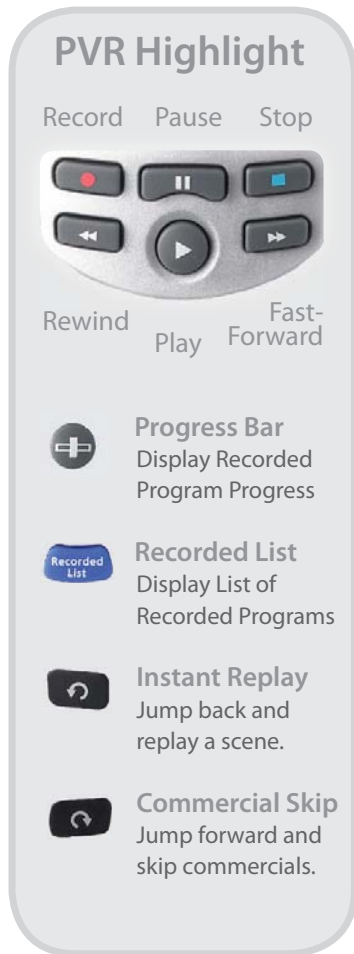
## Programming Your Remote for TV Control

1. Press and hold OK + MENU buttons for 3 seconds until red LED button on remote turns on.
2. Enter 3 digit code using number pad.\*
3. Press OK. Remote LED blinks indicating code accepted.

Note: If the code is not accepted return to step 2 and enter the next 3 digit code listed for the TV.

\*Refer to separate Code Sheet supplied with the remote control.

# The Left Side of your Remote



- Power**  
Turn on or off the HD Set-Top Box
- TV Standby**  
Turn your TV on or off
- C.C.**  
Closed Captioning
- TV/STB**  
Press to switch between TV and Set-Top Box mode
- P-Rate**  
To set or view Parental Rating Locks
- TV/Radio**  
Toggle between TV & Audio channels  
Note: Audio channels may not be available in all areas
- Guide**  
Press to enter or exit the electronic program guide
- Arrows**  
Navigation through various menus and screens
- Menu**  
Enter or exit the main menu
- Red Button**  
Multifunction Key
- Green "Sort" Button**  
To sort the channel listings



## The *Right Side* of your Remote



**LED Indicator**

**TV Input**

This selects available inputs

**Audio**

Press to select the sound mode (Mono, Left, Right, Stereo)

**Last**

Return to the previous channel or screen

**Sleep**

Select a time interval (10 Min., 30 Min. etc.) for automatic shut off

**Mute**

To turn sound on/off

**OK**

Press to quickly view the Channel Listing by channel number. To confirm your choice of channel selection through the guide or direct entry.

**Exit**

Press at any time to return to watching TV

**Blue Button**

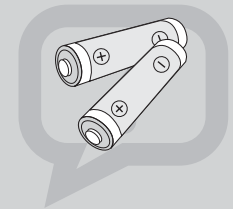
*Multifunction Keys*

- Info Button - View the description of the current or highlighted Program while watching TV, if available.
- Scroll while in Program Guide
- Rename Favorite List while editing Channel List.

**Yellow Button**

*Multifunction Keys*

Rename Channels while browsing Channel Listings





### Note

- When inserting batteries, make sure that the polarity (+/-) is correct.
- The Red LED on the top right of the remote is a visual Indicator that confirms the remote has power when a button is pressed.
- Your remote may vary slightly from the one pictured here. However, basic functions should remain the same.



## Getting Started

 Press TV/Standby to turn on your TV.

 Press Power to turn on the HD Set-Top Box.

## Navigation Tips



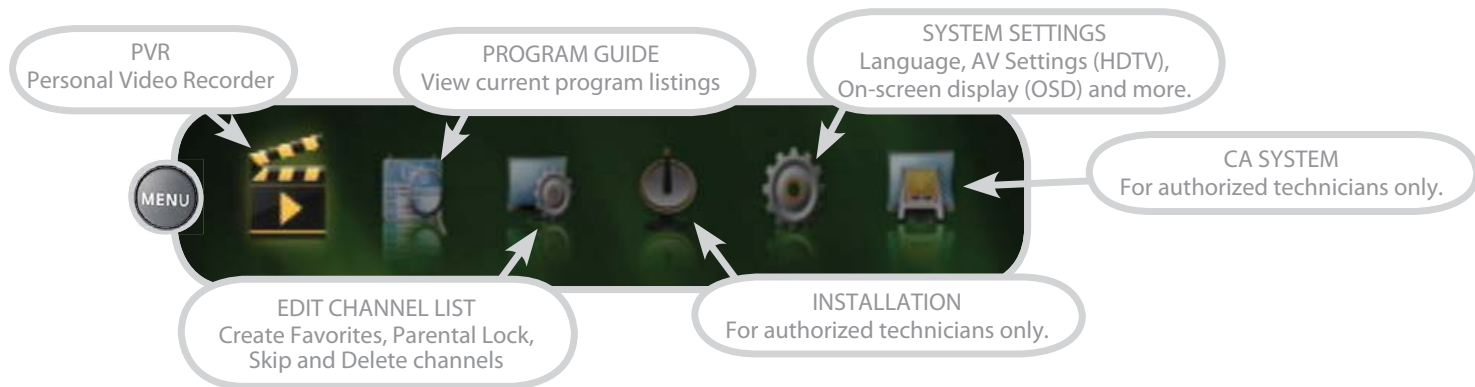
Use the arrow keys to navigate through the menu, program guide and channel listings.

Press  to select

# Quick Tips

## Main Menu

Press the MENU button on your remote to access all your favorite digital cable features.



## Browsing Channel Listings

- Press the OK button to view a quick list of channels in numerical order with the ability to sort the channel line-up.



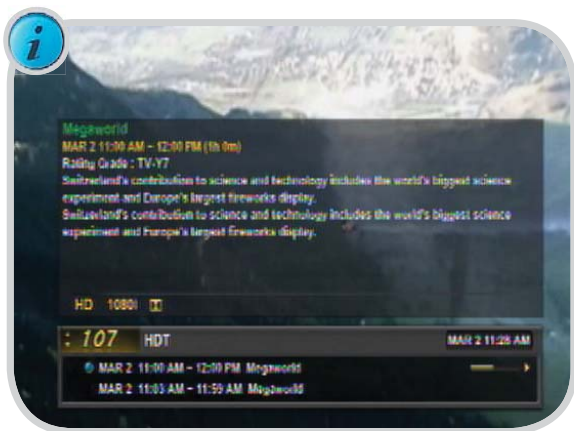
# Quick Tips



## Browsing

You can also use the info bar to browse what's on other channels without missing any of your current program.

- Arrow ▲▼ to view different channels.
- Arrow ◀▶ to see what programs are on next.
- Press OK to select a new browsed programs.



## Information Bar

- Press the INFO button to view on-screen program information.
- The Info bar will display the channel, title, rating, brief description and a progress bar, if available.
- Press the INFO button a second time to view the full program description.



## Browsing TV Listings

- Press the GUIDE button to view the current program listings.
- Use your arrow buttons to navigate throughout the Guide.
- Select the highlighted program of your choice by pressing OK. The selected program will display in the viewing box within the program guide.
- Press EXIT to watch the selected TV program.



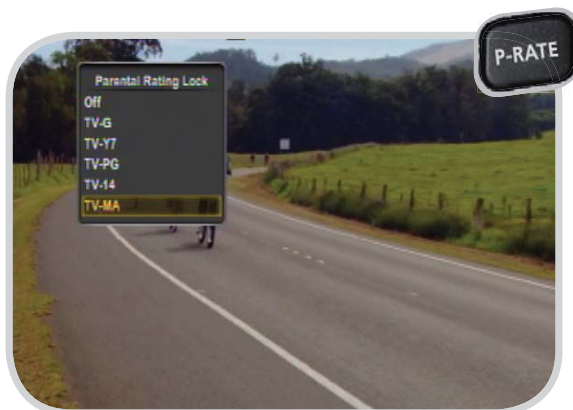
### Quick Tip

Make sure to confirm the Parental Control option is enabled:

- Press the MENU button on your remote. Select System Settings, Enter your PIN code (default 0000)\*.
- Lock Control: Press OK, Select Channel Lock "ON" and press OK.

## Quick Tips

### PARENTAL CONTROL



### Rating Lock

To restrict viewing based on the TV Program Rating

- Press the P-RATE button on your remote.
- Enter the PIN code (default 0000)\*.
- Choose the minimum parental rating you would like viewing restrictions on. For instance, if you choose TV-14, that rating and anything above will be locked. Parental Rating Lock will take effect immediately.



### Channel Lock

To lock individual channels

- Press the MENU button, select the Edit Channel List icon.
- Enter your PIN code (default 0000)\*.
- Select LOCK.
- Arrow to the right to identify which channel you would like to lock select OK to add that channel to the lock list.
- Press EXIT and confirm your settings.

\*To learn more about PIN codes refer to page 20.

# Quick Tips

## FAVORITES

### Rename Favorites



### Set Up Favorite Lists

- Press MENU button.
- Select the Edit Channel List icon on the main menu.
- Enter the PIN code (default 0000)\*.
- Scroll to favorites, select OK to expand the list of customizable favorites.
- Select a favorite list.
- Arrow to the right and individually add channels by pressing OK.
- Press EXIT and Save your new favorite list.



### Access Your Favorite Lists

- Press the Green SORT button.
- Use Arrow buttons to highlight favorites.
- Arrow to the right to select the Favorite list.
- Press OK.
- The selected Favorite channel list will display.



While setting up your Favorite List,

- Press the BLUE button
- Keyboard displays, arrows to navigate and OK to select
- Press the RED Save button.

# Quick Tips

## PAUSE & REWIND LIVE TV



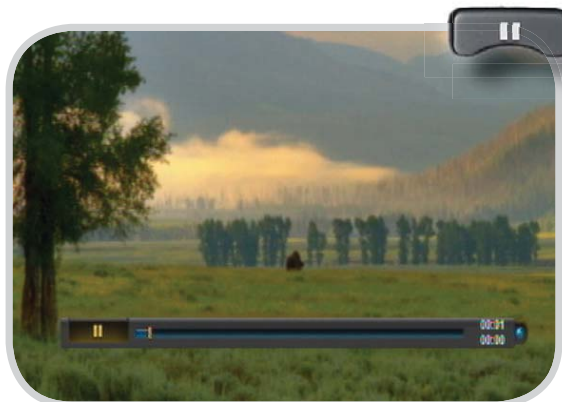
### Progress Bar

CHECK YOUR PROGRESS

- Press the PROGRESS BAR button on your remote.



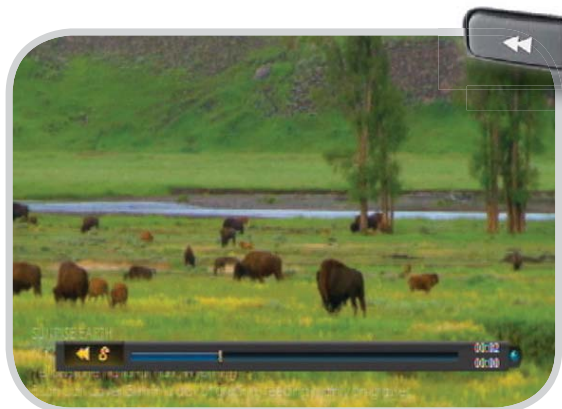
- The progress bar displays the current play status, the total recorded time and elapsed time.
- The hour and minute of the total duration (top) and cursor duration (bottom) will display on the right.



### Pause Live TV

TimeShift Functionality

- Press the PAUSE button on your remote to pause live TV.
- **Please Note:** You must be on the channel you would like to pause for at least 5 seconds before the pause functionality will start to work.
- Live TV will pause for approximately 30 minutes before resuming live TV.
- Press PLAY at any time to resume. Press the Progress Bar button to view the progress bar at the bottom of the screen.



### Rewind Live TV

You can rewind live TV on the channel you are currently watching

- Press the REWIND button on your remote to rewind live TV.
- The rewind function only applies to the current channel you are viewing. You must be on the channel for at least 5 seconds for the rewind functionality to start to work. You will only be able to rewind for the time you have been on the channel.

**Please note:** While you are in rewind mode, if you switch to another channel, then switch back to the program you have rewinded, the former channel will not save your rewind location but rather return to live TV. We recommend pressing the Record button if you would like to re-access this program later.

\*To learn more about PIN codes refer to page 20.

# Quick Tips

## PERSONAL VIDEO RECORDER (PVR)



### Quick Tip

To STOP a recording

- Press the stop button at any time while recording.
- The stop list will display.
- Press the up/down buttons to select the program you would like to stop recording, press OK to select.
- Press the STOP button to confirm the end of recording.



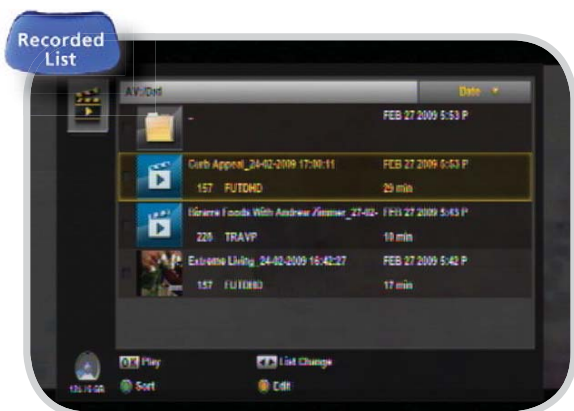
### How to Record

While Watching TV

- Press the RECORD button.
- A notice will appear on the top right side of your screen to indicate the recording has started, this includes the recording time remaining.
- Press the RECORD button a second time to edit the settings.

While in the Electronic Program Guide (EPG)

- Scroll to the channel, date and time of the program you would like to record.
- Press the RECORD button, a red icon will appear on the program title.
- Press the RECORD button a second time to edit the settings.



### Watch Your Recorded Programs

- Press the RECORDED LIST button to view a list of recorded programs.
- Scroll to the recorded program of your choice and press OK.

Note:

- The Movie Clip image will display for programs not yet watched, recorded programs that have been view will display a screen shot of the program.
- Choose to **Begin** from the start of the program or **Continue** the program from where it was last stopped watching.



**Note**

Premium or Pay Per View channels may have a "\$" sign next to the channel and may not be available for viewing without upgrading your service. Please contact your Service Provider to discuss your premium channel options.

Not all guide information may be available at all times.

# Program Guide

Press the **GUIDE** button or select Program Guide from Main Menu

## GUIDE CONTROLS

### Select Program

Select a program by pressing the OK button on your remote.

- The selected program will display in the "Viewing Window".
- The Program Information will display the program title, time, rating, and a brief description.
- Press EXIT to watch the selected program.

### View Future Dates

- Press the RED date button on your remote to view program listings for future dates.
- Highlight the date you would like to view.
- Press the RED button on your remote a second time to return to today's date or press EXIT to return to watching TV.

### Time

Scroll to the right to view future program information.

### Channel

Use the arrow buttons to navigate the program guide by channels.



### Scroll Program Information

Press the BLUE button on your remote to scroll and view the complete program description of the selected program.

### View Additional Channel Lists and Sort Guide

Press the GREEN button to sort the program guide alphabetically (A-Z or Z-A), with favorite lists, locked channels or numerically.

### Record Programs listed in the Program Guide

- Scroll to the channel, date and time of the program you would like to record.
- Press the Record button on your remote, a red record icon will appear.

# Parental Control



With Parental Controls you can restrict your children from seeing specific channels or shows with certain ratings. Channel and Rating restrictions will take effect immediately. The user will be prompted to enter a PIN code for any channel that has been restricted.

## Restrict Viewing of Individual Channels

To set Parental Controls by restricting individual channels, you must have the Parental Lock function enabled; refer to the side panel to learn how to enable your Parental Lock function.

- Press the **MENU** button, select the Edit Channel List.
- Enter your PIN code (default 0000)\*.
- Select LOCK.
- Arrow to the right to identify which channel you would like to lock, select OK to add the channel to the lock list.
- Press EXIT and confirm your settings.



### Quick Tip

Confirm the Parental Control option is enabled

- Press the MENU button on your remote. Select System Settings, Enter your PIN code. (default 0000)\*
- Lock Control: Press OK, Select Channel Lock "ON" and press OK.

## Restrict Viewing Based on the TV Ratings

To set Parental Controls by restricting TV Program Rating levels

- Press the **P-RATE** button on your remote.
- Enter the PIN code (default 0000)\*.
- Choose the minimum parental rating you would like viewing restrictions on, for instance, if you choose TV-14, that rating and anything above will be locked. Parental Rating Lock will take effect immediately.



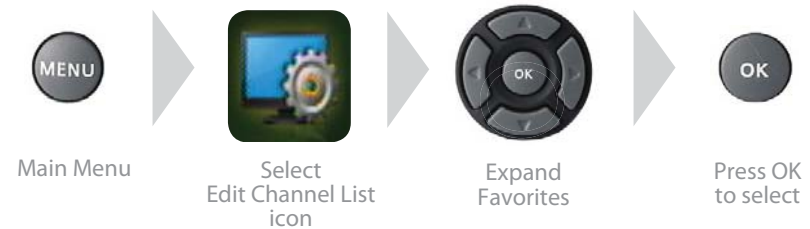
## View Favorites

- Press the Green SORT button.
- Use Arrow buttons to highlight favorites.
- Arrow to the right to select the Favorite list of your choice.
- Press OK.

# To Set Up Favorite Lists

Create up to 16 favorite lists with unique names for easy access while watching TV or using the guide.

1. Press MENU button.
2. Select Edit Channel List icon on the Main Menu.
3. Enter the PIN code (default 0000)\*, if prompted.
4. Highlight favorites, select OK to expand favorite list to display favorite lists.
5. Select a favorite list and press the BLUE button to rename.
  - a. Keyboard displays, use arrows to navigate and OK to select.
  - b. Press the RED Save button.
6. Arrow to the right and individually add channels by pressing OK.
7. Press EXIT and OK to save your new favorite list.



\*To learn more about PIN codes refer to page 20.



# Additional Channel Editing Features



## Delete Channels

**Caution:** All channel deleting will be final. To restore deleted channels you will need to contact your cable provider.

- To delete specific channels, press the MENU button, select the Edit Channel List icon.
- Enter your PIN code (default 0000)\* if prompted.
- Highlight and select DELETE, Arrow to the right and individually select channels to delete by pressing OK.
- Press EXIT and it will prompt you to save your selection.




## Skip Channels

Channel skipping only applies if you are currently viewing all channels. The skipped channel will not appear while browsing Channel Listing or viewing the Program Guide.

- To skip specific channels, press the MENU button, select Edit Channel List.
- Enter your PIN code (default 0000)\*, if prompted.
- Highlight and select SKIP, Arrow to the right to identify which channel you would like to skip, select OK.
- Press EXIT and it will prompt you to save your selection.

## Closed Caption



- Press the  button on your remote to access Closed Captioning.
- Choose from the following options: Off, CC1 and CC3. CC1 is the primary closed captioning language. CC3 is the secondary closed captioning language.
- Arrow right and select the option of your choice.
- Press OK to save the Closed Captioning settings.



### Quick Tip

The record icon on the front panel of the PVR will light up red to indicate you are currently recording.

Press Record within the program guide or while watching TV to start recording a program.

# Reservations



## Set up a Reservation for a Future Recording

- While in the Program Guide scroll to the channel, date and time of the program you would like to record.
- Press the RECORD button, a red icon will appear on the program title.
- Press the RECORD button a second time to edit the settings.
- Scroll to the right to select the Reservation mode: Once, Daily or Weekly.
- Press the Green RESERVE button to set the reservation.

## View all Current Reservations

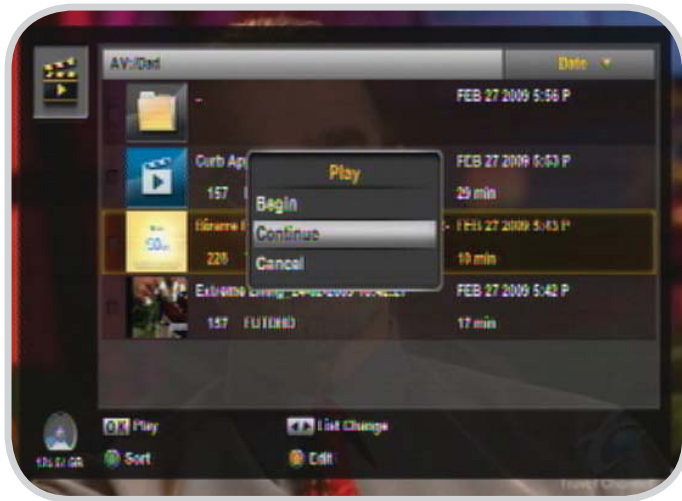
- Press the MENU button on your remote, select the PVR icon.
- Scroll to **Reservation** and press OK.
- Your program Reservation list will display including the channel, date, time, duration and frequency.

**D** = Daily Recording

**7** = Weekly Recording

To adjust any of your reserved recordings, press the Yellow Edit button. This will allow you to update the duration, frequency, etc.

## Recorded List



### Manage Your Recorded Programs

Set up Directories to easily navigate through your recorded programs. Create personal folders for favorite recordings (i.e. Sitcoms, Movies, Kids programs, etc.).


- While in the **Recorded List** screen, press the Yellow EDIT button to create a "New Folder".
- Press the Yellow EDIT button a 2nd time to rename.
- Type the name of your choice using the arrow buttons. Press OK to select the letters and symbols.
- Press the RED button to Save your new directory title.

**Helpful Tips:** While renaming, use the Green Delete button to backspace. Select any blank square to add a space.

Evolution's DMS-2042-HD-PVR allows you to record on the spot or set future Reservations for programs you'd like to record. The PVR will record up to 2 programs at the same time while watching another! Simply press Record on the program of your choice.

### Organize Recorded Programs

Categorize Your Recordings into Folders.

- Press the  button on your remote. Once folders are created, highlight a recorded program you would like to move.
- Press the Yellow EDIT button, use the arrow buttons to scroll to "MOVE", press OK to select.
- Select the directories from the list by scrolling up/down, press OK on the directory of your choice.

**Note:** The recorded list will bring up the last directory (folder) viewed. If you are in a subdirectory (i.e. AV:/ Movies/Dad's) press the OK button to change directories. You must be on the top folder icon to return back to the main directory screen.



### Quick Tip

Press the Recorded List button to view available recorded programs for your viewing pleasure.

To **Delete** a recorded program from the Recorded List, press the Yellow Edit button. Scroll to Delete and press OK.

**CAUTION:** Once you press OK, the program will be permanently deleted.



### Quick Tip

#### HDD Available Space

The image in the bottom left of the **Recorded List** screen will display how much space is left on your HDD (Hard drive for storage) in percentage.


## Additional Features

### Instant Replay

- Press the  button to jump back and replay a scene.


To change the Instant Replay from 30 seconds, press MENU, PVR, PVR Settings, Press OK, scroll to Instant Replay, press OK and scroll to select the preferred time settings: 10 seconds, 20 seconds, 30 seconds, etc.

### Commercial Skip



- Press the  button to jump forward and skip commercials.

To change the Commercial Skip default time from 30 seconds, press MENU, PVR, PVR Settings, Press OK, scroll to Commercial Skip, Press OK and scroll to select the preferred time settings.




### Progress Bar

- Press the  button on your remote while watching a recorded program to display the progress bar. Progress bar displays the current play status, the total recorded time and elapsed time (Hour:Minute).




### Fast Forward and Rewind

- Each time you press the  or  button, the speed increases (x2, x4, x8, x16, x32, etc.).
- Press the play button at the desired spot to play.

### Direct Jump



- Press the  button on the currently playing screen. The progress bar will appear at the bottom.
- Press and hold the  button to move the location icon to a time point and release the  button to play the program from the specified time point.

### Slow Motion Control

- Press the  button while watching a recorded program, and press the  or  button to play back/forward in slow motion.
- Each time you press the button, the program plays at 2x, 4x, 8x, 16x or 32x speed.
- Press PLAY to resume at the normal speed.

### Bookmark

Use **BOOKMARKS** to search positions quickly and conveniently

- Press the  button on the currently playing screen.
- Press the RED button at a certain position to set a bookmark
- Press the GREEN button to display the bookmark list and press the  buttons to select the location you want to view.

## PVR Menu



### PVR Menu

The PVR Menu allows you to change settings and access reservations and recorded program directories.

- **File List** (Recorded List)  
View the list of Recorded programs.
- **Reservation**  
View the list of Reserved recordings.
- **Format HDD** (Selectable only when not recording)  
For authorized technician use only. Caution: re-formatting the HDD will erase all of the recorded programs on the PVR.
- **PVR Setting** (Selectable only when not recording)  
Update and view the default PVR Settings.

Select PVR in the Main Menu to customize your PVR settings.

Change your Instant Replay from 10 to 60 seconds or set a Guard Time to make sure you never miss the crucial 5 minutes at the start or end of your recordings

### PVR Settings

This section is selectable only when no recordings are taking place. To change the default settings, select PVR Setting, arrow over and highlight to the Setting you would like to update and press OK.

- **Guard Time Start**  
Select from 0 - 30 minutes increments.
- **Guard Time End**  
Select from 0 - 30 minutes increments.
- **Default Record Duration**  
Select from 1 to 4 hours increments.
- **Instant Replay**  
Select from 10 - 60 seconds increments.
- **Commercial Skip**  
Select from 10 - 60 seconds increments.

# System Settings

## Sleep Timer



- Press the **SLEEP** button on your remote.
- Press the **SLEEP** button again to select from the available 10 minute intervals.

To access System Settings, press the MENU button. Select System Settings.



## Language Settings

The DMS-2042-HD-PVR is set to display in English.

- To change the language you see highlight Menu Language and arrow over and highlight to the language you want displayed and press OK.
- To change the language you hear highlight Audio Language and arrow over and highlight to the language of your choice and press OK. You can set up another language under Audio Language 2.

**Please Note:** The availability of the language in the program information and audio is determined by the broadcaster, when available the PVR will support your selections.



## DOCSIS Modem

For Technician Use Only

## Lock Controls

- **Channel Lock: On/Off**  
This allows you to turn on or off the locking feature. **Note:** When Off is selected this will override the individual channel locks.
- **Parental Rating Lock:** Select viewing restrictions based on TV ratings.
- **Menu Lock: On/Off**  
If Menu Lock is enabled this restricts access the Edit Channel List and System Settings. This is important to secure the Lock Control access.
- **Change PIN Code:**
  - Highlight Change PIN code, press OK to view drop down options.
  - Enter your current PIN code, enter new PIN code and confirm PIN code.
  - It will show "success" if you enter the right PIN code for the confirmation.

# System Settings



## Audio Settings

If available, an alternative audio can be selected (i.e. English, Spanish, etc.)

- Press the AUDIO button on your remote
- Arrow to the left or right to select the desired audio setting (Stereo, Mono, Left, Right).
- Press EXIT

## AV Settings

- **TV**  
Aspect Ratio, Select OK on TV. For HDTV select 16:9, For standard definition select 4:3.
- **Display Format**  
To change Display Format, highlight the type you want; Auto, Pillar box or Pan & Scan and press OK.
- **Resolution**  
To change Screen Resolution, highlight the type you want; 1080i, 480p or 720p and press OK.

## OSD Setting

On-Screen Display (OSD) allows you to customize the user interface.

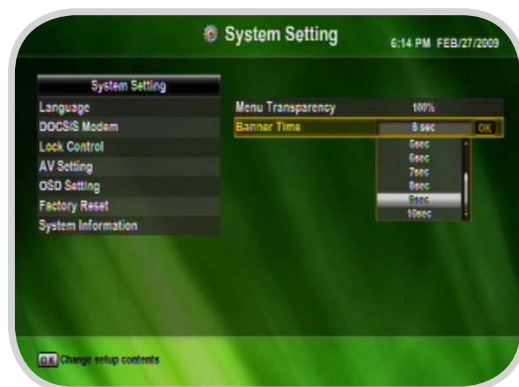
- **Menu Transparency**  
To change the menu transparency, highlight the percentage of brightness you desire and press OK.
- **Banner Time**  
To change the default banner time, highlight the seconds for it to display, press OK.

## Factory Reset

For Technician Use Only

## System Information

For Technician Use Only



# HDTV Connection



## Quick Tip

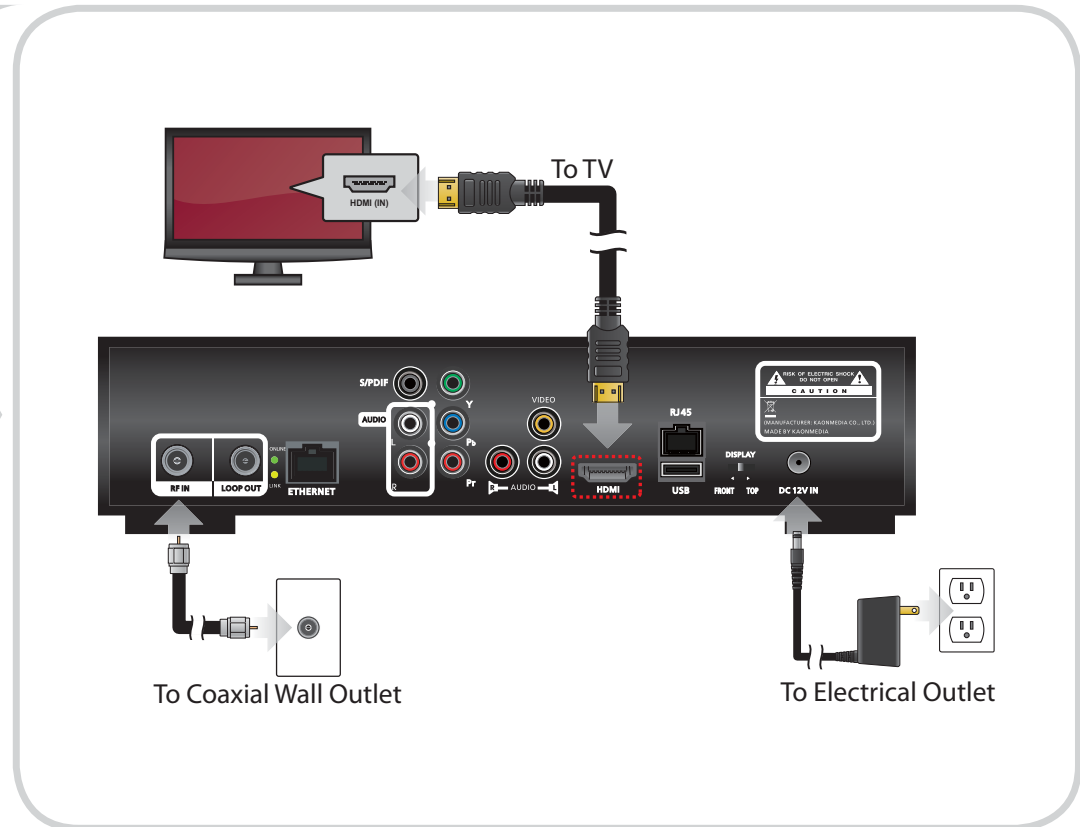
You can connect the DMS-2042-HD-PVR Set-Top Box to the TV in several ways depending upon available TV connections. We have highlighted the three recommended connections. The DMS-2042-HD-PVR comes with Component and Composite Audio/Video cables.

## HDMI Cable

HDMI allows you to take full advantage of the Evolution HD Set-top box high-definition digital features.

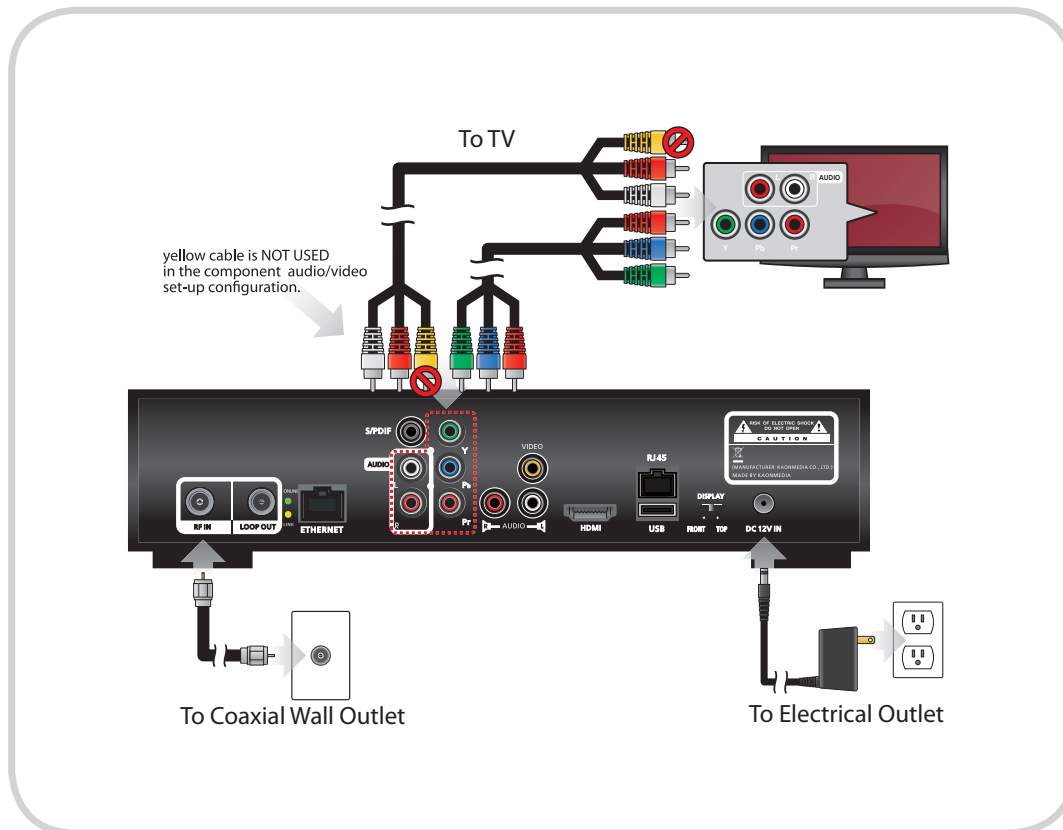
1. Connect the RF coaxial cable to the cable wall outlet and the RF IN port on the DMS-2042-HD-PVR.
2. Connect the HDMI cable to the HDMI port on DMS-2042-HD-PVR and the HDMI port on your HDTV.
3. Plug in the power cord to the electrical wall outlet and the "DC 12V IN" port on the DMS-2042-HD-PVR.

*\*Note: HDMI cables carry audio and video to the TV.*



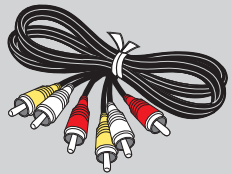


# HD Video/Analog Audio Connection



## Component Video/ Composite Audio

1. Connect the RF coaxial cable to the cable wall outlet and the RF IN port on the PVR.
2. Connect the Green, Red and Blue wire connections to the matching color ports on the TV and HD Set-top box. This provides the video signal.
3. Connect the Red and White wire connections to the matching color ports on the TV and HD Set-top box, leaving the Yellow video cable unplugged. This provides the audio signal.
4. Connect the power cord to the electrical wall outlet and the "DC 12V IN" port on the PVR.



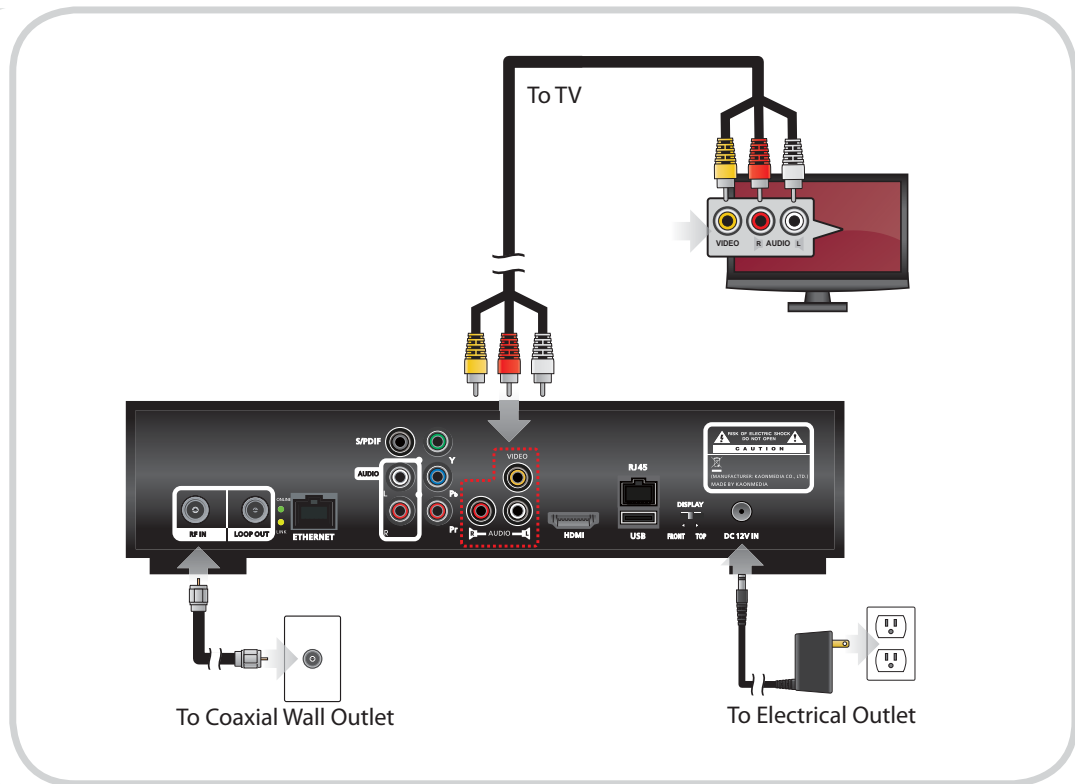
### Quick Tip

Composite Audio/Video Cables offer an easy way to connect your TV. These AV Cables are provided with your DMS-2042-HD-PVR and provide both audio and video in one cable.

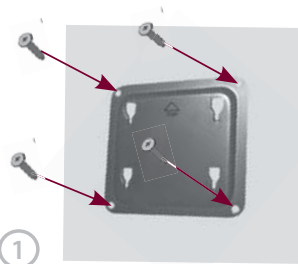
# Analog Audio/Video Connection

## Composite Audio/Video Cable

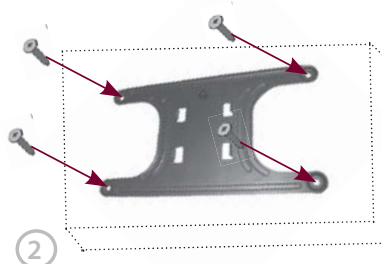
1. Connect the RF coaxial cable to the cable wall outlet and the RF IN port on the DMS-2042-HD-PVR.
2. Connect the Red, White and Yellow wire connections to the matching color ports on the TV and HD Set-top box. This provides both video and audio signals to your TV.
3. Plug in the power cord to the electrical wall outlet and the "DC 12V IN" port on your DMS-2042-HD-PVR.



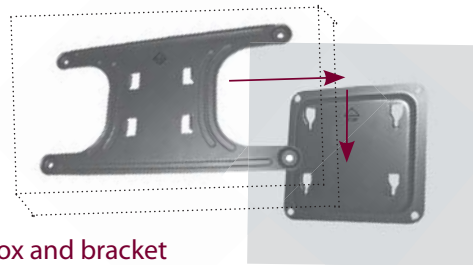
# Wall Installation



1 Mount the Wall Bracket on the wall



2 Mount the Set-Top Box to the Set-Top Box Bracket



3 Attach the Set-Top Box and bracket to the wall mount bracket on the wall

Evolution's HD Set-Top box is wall mountable to display nicely underneath any flat-screen TV.

- For the wall part you must use screws based on the type of wall: wood, concrete, or plaster.
- Do not mount the HD Set-Top box on any location other than a vertical wall.
- Use only recommended parts and components. Contact your cable provider to order this optional accessory.

## Wall Mounting Accessories

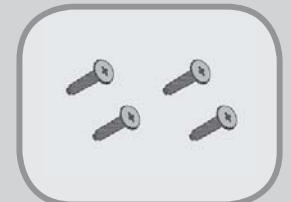
Set-Top Box Mount Bracket



Wall Mount Bracket



Screws (4) Set-Top Box Mount Bracket



# Front Panel



## Conditional Access

Caution: Please do not plug in the main power supply cord until you have finished all of the connections.

The Smart Card is inserted by your cable provider. A Smart Card looks similar to a credit card and entitles you to view and listen to all the channels you choose to subscribe to.

Do not remove the Smart Card unless instructed to do so by your cable provider.



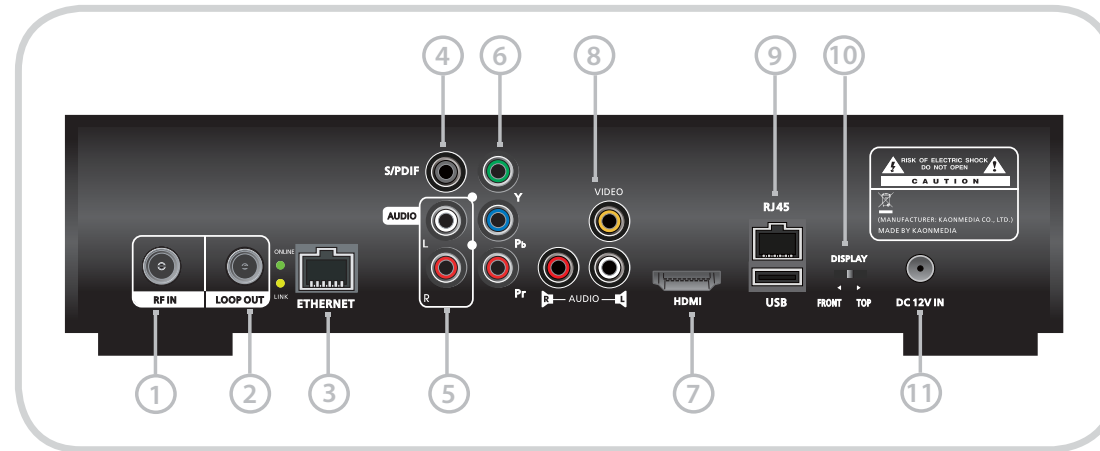
- 1. Record**  
LED Indicator and button for Recording a program
- 2. Stop**  
Stop a Recording
- 3. Stand by (Power)**  
Turn the Cable Set-Top Box On/Off
- 4. Back**  
Exit from parameter and cancel selected function.
- 5. Guide**  
To display the Electronic Program Guide.
- 6. Channel ▼▲**  
Channel up/down or select item or sub-menu.
- 7. OK**  
To select a program, a highlighted line or parameter value.
- 8. Volume ◀▶**  
To turn the volume up/down or select a sub-menu item.
- 9. USB**  
Connects to support devices.
- 10. Smart Card Slot**  
Smart Card enables service to the HD Set-top box.

# Back Panel



## Note

The DMS-2042-HD-PVR provides multiple High-Definition output connections including HDMI, Y Pb Pr Component Video and S/PDIF Audio.



### 1. RF IN

Connects to cable signal from your service provider via the cable wall outlet

### 2. LOOP OUT

Connects to TV or VCR

### 3. ETHERNET

Supports PC networking

### 4. S/PDIF (Coaxial)

Provides Dolby® Digital 5.1 audio or PCM audio

### 5. AUDIO OUT (R/L)

Connects to audio input of a stereo or TV

### 6. Component Video (Y Pb Pr)

Delivers component video to HDTV

### 7. HD Audio/Video (HDMI)

Connect the HDMI cable to a HDTV to deliver high-definition audio and video.

### 8. Composite Audio/Video

The standard Audio/Video connection

### 9. RJ45

For future use

### 10. Display Switch

Toggles display between front panel and top panel. Top display would refer to wall mounted Set-top box.

### 11. Power Supply

AC Power from wall into DC 12V IN, provided with the DMS-2042-HD-PVR.

## FAQs

### Why won't my HD Set Top Box turn on?

- Double check that the power cord is connected to the HD Set-Top Box and the AC wall outlet. If the HD Set Top Box is connected to another unit (such as a switched outlet or DVD player), verify that that unit is powered on.
- Press the Power (Stand By) button on the top, front of the HD Set-Top Box instead of the remote control. The batteries in the remote control may be depleted.

### Why do I have no sound when viewing cable channels?

- Verify that the MUTE button on remote control has not been pressed; try pressing the MUTE button to restore sound. Double check that your television is not currently MUTED.
- Double check your audio connections. Refer to the CABLE CONNECTIONS section on pages 22-24 to verify the correct cables are being used for the audio ports. If they match the diagrams, make sure they are firmly connected to the ports on both the TV and HD Set Top Box.

### Why can't I view all channels while I'm recording?

- Depending on which channels you are recording, the list of available channels to watch may be limited. Once all recordings have decreased to one or none, all channels will become available.

### What should I do if there is no video or picture on the TV Screen?

- Try another channel, this channel may be restricted from viewing or enter your PIN code (default 0000)\*.
- Verify that your TV is powered on and press TV/STB to assure the HD Set Top Box is on the correct mode.
- **Double check all your cable connections, including verifying your coax cable is securely tightened onto both the cable wall outlet and the INPUT port of your HD Set-Top Box.** Verify that all video cables between the HD Set-Top Box and the TV are firmly connected. Refer to the CABLE CONNECTION section on pages 22-24 for more detailed information regarding the correct connections and alternative video cable options.
- If the HD Set-Top Box video output is connected to a home theater unit, verify that the home theater unit is powered on and set to the appropriate input source. Refer to your home theater manual for more detailed instructions.

### The PVR didn't record the beginning of my show, how do I fix this?

- Some shows start or end a couple of minutes prior to the allocated time slot. Press Menu, PVR, PVR Settings, Guard Time Start or End. This allows you to add a buffer to your programs recordings.

\*To learn more about PIN codes refer to page20.

## FAQs

### Why won't my set-top box respond when I press a key on the remote control?

- **Press TV/STB to verify that the remote control is in the right mode.** Verify that there are no obstructions between the remote control and the HD Set-Top Box. Aim the remote control directly at the front panel, not the TV or DVD player. If this still doesn't work, try to stand closer to the HD Set-Top Box, there may be too large a distance between the remote and front panel.
- If nothing happens, check the batteries for possible replacement. If the remote still doesn't work, use the front panel of your HD Set-Top Box to press the arrow up button. If the channel changes, then most likely you have a faulty remote that may need to be replaced.

### Why won't the PVR let me record any more programs?

- Check your available hard drive space by pressing the Recorded List button and view the icon in the bottom left side of your screen. The PVR contains 250 gigabytes.
- The PVR only allows you to record two programs at a time, double check to make sure you don't already have two programs being recorded.

### What if I forgot my PIN Code?

- Contact your cable provider and they will be able to reset them back to the default 0000 code for you. That will allow you to enter a new PIN code. Refer to page 14 to learn how to change your PIN code.

### How do I control what my child watches?

- **With the Parental Control feature of the HD Set Top Box, you can restrict viewing of certain material on your TV.** You can set a lock to restrict viewing based on TV ratings, such as TV-14 or TV-MA, or completely lock out certain channels.
- For more information, refer to the PARENTAL CONTROL section on this manual found on page 13.

### Is it necessary to get a new TV to watch HDTV?

- To view HD channels from your cable provider in their native resolution, a high-definition "capable" or "ready" television is required.
- You will also need to use digital cable connections such as the HDMI cable or the Digital Component Video Cables to view HD channels.

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**If you need additional support, please don't hesitate to contact your Cable Provider.**  
**Please visit our website, [evolutionbb.com](http://evolutionbb.com) to view the most up-to-date Evolution User Guide for your HD PVR.**

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# Glossary of Terms

## PVR

- Personal Video Recorder

## Instant Replay

- Press the Instant Replay button to jump back and replay a scene.

## Commercial Skip

- Commercial Skip allows you to jump forward and skip commercials.

## Progress Bar

- The Progress bar displays the current play status, the total recorded time and elapsed time (Hour:Minute).

## HDD

- Hard drive for storage, to format means to permanently erase all your recorded programs, please use this with caution.

## Recorded List (File List)

- The list of recorded programs

## Guard Time

- Set a **Guard Time** to make sure you never miss the crucial 5 or 10 minutes at the start or end of your recordings.

## Reservation

- Set up a Reservation to record a future or currently showing program. Select the Reservation frequency: Once, Daily or Monthly.

## Bookmark

- Bookmark favorite scenes for fast recall during the playback mode. Recorded items will have no bookmarks, you must add them.

## OSD

- On-Screen Display, change your display settings.

## Banner Time

- The amount of time the banners and menus display on your screen.







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