



Antietam

Cable Television, Inc.



D V R H A N D B O O K

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DIGITAL VIDEO RECORDER

dvr

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MULTI-ROOM

dvr

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CONTROL LIVE TV

Thank you for choosing a Digital Video Recorder from Antietam Cable.

Imagine...coming home to your own personal library of television programs, movies and sports that you can watch whenever it's convenient for you. It's TV on your schedule. Follow the easy step-by-step instructions found in this handbook to enjoy all the capabilities of your DVR!

CONTROL LIVE TV

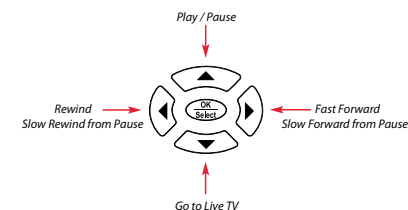
With a **Digital Video Recorder (DVR)** from Antietam Cable, you have the opportunity to control live TV. When you tune to a channel, the DVR automatically begins making a temporary recording of the program. Once the temporary recording begins, you can **Pause, Rewind** and **Fast Forward** through the recording. Your DVR will record up to two hours of Live TV.*

The live TV recording is not permanent, unless you save it to the DVR's hard drive. For live TV recordings, the temporary recording will be erased if you:

- + Turn off the DVR
- + Change channels
- + Watch more than 2 hours of the same channel — after 2 hours the DVR will buffer only the most recent 2 hours

Playback Controls

You can play back your video recordings using the **Video Control Buttons**.



Remote Control Arrow Buttons

The ◀ ▶ ▼ ▲ buttons on your remote control will control playback when you are watching a recording in progress or while watching a recorded program.

* Recording capacity varies.

Status Bar

The **Status Bar** appears whenever you **Pause**, **Rewind** or **Fast Forward** a live program. The Status Bar shows title, channel and duration of time. Green indicates the length of program in the buffer. Red indicates you are watching a DVR recording in progress. White indicates the length of multiple programs that have been recorded in the buffer.*

Pause

You can Pause live TV anytime by pressing **||** on your remote. For programs you're watching live, your DVR will remain in pause for up to 90 minutes.** Pressing **Pause ||** more than once allows frame by frame viewing. Press **Play ▶** to resume the program.



Rewind

Press **Rewind ◀◀** to rewind. Press it up to 4 times to increase Rewind speed. On the 5th press, the program resumes normal play.



Fast Forward

For live TV, **Fast Forward** can be activated if you have pressed Pause or Rewind. Press the **▶▶** to move forward. Press it up to 4 times to increase FF speed. On the 5th press, the program resumes normal play. You can only Fast Forward up to the point of live broadcast.



* Recording buffer (temporary storage) for each tuner will record as long as you stay tuned to the same channel.
** Pause capacity depends on video format; less than two hours for HD programming.

Slow Motion

Use Slow Motion to access “slow-forward” and “slow-rewind” — perfect when watching sporting events.



To activate, press **Pause ||**, then **Fast Forward ▶▶** or **Pause ||** then **Rewind ◀◀**. Press **Play ▶** to resume regular program speed.

Instant Replay

With **Instant Replay**,* you can replay the last 15 seconds of a program. Press **Replay ↺** or **Page ▼** on the remote. Press repeatedly to continue skipping back in 15-second increments.



Return to Live TV

When you pause or rewind a live program, the program continues to broadcast in real time. To return to live show, press the **Live*** button **LIVE** or **▼** on your remote.

SWAP Between Two Programs

If your **DVR** has two tuners, it can buffer (temporarily record) two programs at the same time — one on each tuner. The **SWAP** feature allows you toggle back and forth between two live shows while giving you control of both. If you change channels any other way than using the **SWAP** button, you will lose the buffer recording.

1. While tuned to a program, press **SWAP** on your remote to change tuners
2. Select a second program by changing channels or using the guide
3. Press **SWAP** again to toggle between the two programs
4. When recording two programs at the same time, on-screen prompts will ask if you wish to swap tuners. Select your desired recording preference.

* Not all remotes have Replay and Live buttons.

RECORDING PROGRAMS

i-Guide makes it easy to schedule recordings on your DVR and build your own personal library.

You can record programs in several ways:

- ✦ One-touch right from the **REC** (rec.) on your remote
- ✦ From any **Program Info** screen
- ✦ Set a manual recording



One-touch Recording

Press the **RECORD** **REC** (rec.) on your remote any time while you're watching a program to begin recording. From the Listings grid, just highlight the show you want to record and press the record button on your remote.



From Program Information

From any **Program Information** screen, highlight the button and press

OK/Select **OK** to schedule a recording.

Follow the on-screen prompts for additional recording options.



Manual Recording

You can set a Manual Recording for specific time or channel:

- ✦ Select **DVR** from the **Quick Menu** or **Main Menu**, or **My DVR** button on your remote
- ✦ Select Set a Recording
- ✦ Select start and end times and day, then press Confirm
- ✦ Select channel to record from channel list
- ✦ Select Record to confirm settings or select Recording Options **Options** for additional options



Record Two Programs at Once

A Dual Tuner DVR allows you to set recordings for two different programs that air at the same time. While recording two programs, you can watch and control either program up to the point of live TV by using the **SWAP** button on your remote.



While Watching a Show Currently Airing

- ✦ Press **RECORD** to record the program you are watching
- ✦ Press **SWAP** to switch to the other tuner and find the second program you want to record
- ✦ Press **RECORD** when you locate the second program you want to record

From the Guide

- Highlight a program you want to record from any listings screen
- Press **RECORD** to set up the first recording
- Highlight the second program
- Press **RECORD** to set up the second recording

Two Recordings Are in Progress Overlay

When two programs are recording simultaneously and you change channels, an overlay will appear. Follow the on screen prompts:



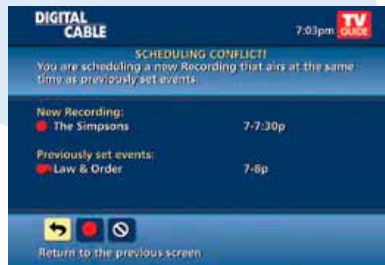
- Swap to view your other recording
- Continue recording, don't change channel
- Stop recording change channel (this appears when 2 recordings in progress and want to tune to another channel)

Manage Schedule Conflicts

If you schedule more than two recordings for the same time, you will see a **Scheduling**

Conflict screen that allows you to choose between a previously set recording and the new recording that is conflicting. Individual recordings always take priority over series

recordings when there are scheduling conflicts. In case of a scheduling conflict between two series programs, additional icons will appear at the bottom of the **Scheduling Conflict** screen to help you determine which program to record.

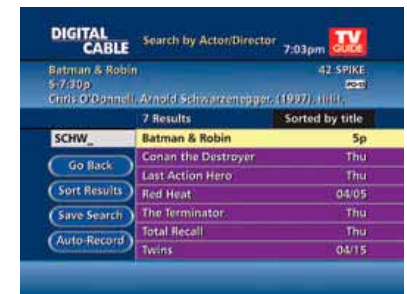


SEARCH AND RECORD

Expanded search and record capabilities make it easy to find your favorite shows, celebrities or even subject on TV and schedule auto-recordings based on your search criteria.

Actor/Director Search

Actor/Director Search allows you to find your favorite celebrities appearing on TV.



Select **Actor/Director** from the **Search Menu** and use the ◀ ▶ ▼ ▲ buttons to navigate the keyboard to spell out the celebrity name — up to 25 characters. The list of available actors will begin to populate as soon you begin to enter letters, and the list will narrow as additional characters are entered.

Once you see the celebrity you want, arrow right and press **OK/Select** to view programs that meet your search criteria. The list can be sorted by date or alphabetically by selecting the **Sort Results** button on the left side of the screen. If you don't see your celebrity on the list, that means that there are no upcoming programming available. Save this search for quick access later.

Keyword Search

Select **Keyword** from the **Search Menu** and use the **▼▲** buttons to navigate the keyboard to spell out your keyword. Select **Search Now** to begin the search and the list of matching results will appear. The Keyword Search is based on any word in the program title or description. The list can be sorted by date or alphabetically by selecting **Sort Results**. Save the search criteria or set up an auto-recording.



From any Search Results screen you can:

- **Sort Results** — sort results by title or date
- **Save Search** — save your search for future reference (save up to 16 searches)
- **Auto-Record** — set a DVR auto-recording of your search results



RECORDING SERIES

Your **DVR** allows you to record multiple episodes of a program (series) according to your preferences. To set up a **Series Recording**, begin by selecting the program from the Listings grid or from a Search results list:

- Select Record from the **Program Info** screen
- Select Set Up a Series Recording
- Select the type of episode to record, such as First run only episodes
- Specify how many recordings to save
- Specify how long to save the recording



- To access advanced series set up features, like add minutes to the start and end times and specify which channels to record, select the **Recording Options** to review all options

Your **Series Recordings** will appear in the **My Recordings** list with the show title as its label. Multiple recordings of the same show will have the same label and will be listed beginning with the most recent recordings first as default. To change your view use the **◀▶** buttons on your remote to View By Date, View By Channel, or View By Title. You may also modify the priority assigned to a series using the **Series Priority List**.



Modify Series

From the **DVR Menu** select **Series Recordings** for a list of scheduled **Series** or keyword **Series**. From here you can change the priority of your series, or modify **Series** recording. To modify:



- Use the **◀▶** arrows to highlight the series, press **OK/Select** to view a summary of recording settings for that series including the number of episodes scheduled to record in the next 14 days
- Highlight the **⌘** to modify settings. Select the **⌘** again to view and modify all settings
- Highlight the **●** to confirm

Modify the Series Priority List

If there are scheduling conflicts in your series recordings, your DVR automatically creates a **Series Priority List**. The first series you set to record has the highest priority and will be the one recorded if there is a conflict. You can easily change the recording priority of the series so that the series of your choice are recorded when a conflict exists.

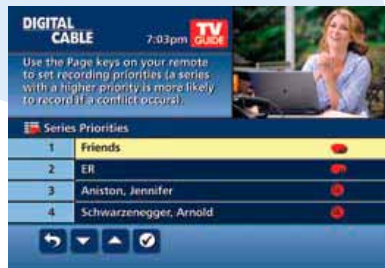


- ✦ Select DVR from the **Quick Menu** or **Main Menu**
- ✦ Choose **Series Recordings**
- ✦ Highlight a program and use the **Page Arrows** to modify priority

Note: If you want to record two series recordings instead of an individual recording that airs at the same time, you must delete the individual recording from the **Scheduled Recordings List** (See *View List of Scheduled Recordings* section to cancel a recording).

Manage Series Priorities

- ✦ To give your new recording the highest scheduling priority and to capture the most number of episodes for your new recording, select **High**. The screen will show you how many episodes of the new series will be recorded and which episodes of the old series will not be recorded because of the conflict
- ✦ To move the new series back to the bottom of the scheduling priority list, select **Low** and the screen will refresh and give you revised results
- ✦ Select the **Record Icon** ● to confirm your new settings



Guide Symbols to Know: Manage Series Priority List

- ↶ Return to previous screen
- Record new program or series as shown
- ⓘ Show conflicts when the new series is a low priority
- ⓘ Show conflicts when the new series is a high priority
- ⊘ Don't record new program or series

VIEW RECORDED PROGRAMS

From the DVR menu, select **My Recordings** to view your programs:

- ✦ Press **My DVR** on the remote (if available)
- ✦ Select **DVR** from the **Quick Menu**
- ✦ Select **DVR** from the **Main Menu**



Use the ◀ ▶ arrows on your remote to sort recordings by Title, Date or Channel. Use the ▼ ▲ arrows to scroll through the list and press **OK/Select** or **INFO** for program description and use the action icons to begin playback. You can control playback of a recording by using the video control buttons or arrow buttons on your remote to fast-forward, rewind and pause your program.

Guide Symbols to Know: Recorded Program Information Screens

- ↶ Go back to the previous screen
- ▶ Play the recording
- ⏮ Start the recording from the beginning
- ✕ Delete the program from My Recordings
- ⓘ Change the Delete Priority
- ⊘ Place a Lock on the program to restrict viewing

FUTURE RECORDINGS

View List of Scheduled Recordings

From the **Main Menu** or **Quick Menu**,

- ✦ Select **DVR***
- ✦ Select **Future Recordings**
- ✦ See a list by day of all the programs you have scheduled to record; use arrows ◀ ▶ to advance by day
- ✦ Select a title to cancel the **Scheduled Recording** or modify **Recording Options**



MANAGE YOUR RECORDINGS

A recorded program remains in your **My Recordings** list until you decide to delete it or have set it to delete when space is needed. Your **DVR** will record and store up to 90 hours of standard definition programming and up to 20 hours of High Definition programming.* There are several options you can choose to make the most efficient use of your storage space:

i-Guide gives you easy ways to manage your recordings.

DVR Setup

From the **Quick Menu** or **Main Menu**, select

DVR to access **DVR Setup** to manage:

- ✦ DVR Folders
- ✦ Live Program Notice
- ✦ DVR Clipping



The default setting is On for these options.

You can also access DVR setup from the Setup Menu.

DVR Folders

DVR Folders help you keep recorded series organized and help you scroll through your recordings quickly. **DVR Folders** automatically group like titles into folders.

Highlight the **DVR Folders** to open and scroll down to select a specific episode to watch. Press **LAST** to return to your recordings list.



Live Program Notice — Default “On”

The notice overlay will appear when a DVR recording is scheduled for a live program, such as sports or awards shows. You can choose to extend the recording time of live programs in the event the program runs longer than scheduled.



DVR Clipping

i-Guide provides a feature to accommodate recording two overlapping programs. With **DVR Clipping**, **i-Guide** will automatically clip the beginning of a program if there is a recording overlap when both tuners are in use. For example, while watching live TV, a scheduled recorded program ends at 9:05, but your second recorded program is scheduled to begin at 9:00; the second program will be “clipped” so that your



first program is recorded in full. Clipping happens when both tuners are in use during the recording time. If this occurs, a “clipped” notice will appear next to those programs in the **My Recordings** listings.

Manage Series Priorities

From the **DVR Menu** select **Series**

Recordings to view a list of Series and

Keyword Series. Use the up/down arrows

▼ ▲ on your remote to highlight a series.

If you want to change priority of a series, use

the page up/down keys on your remote to move the series up or down your list.

Select Confirm to confirm and accept your changes. The first series set to record

has the highest priority and will be the one recorded if there is a conflict.



DVR Cleanup

From the **Main Menu**, select **DVR Menu** to access **DVR Cleanup**.

DVR Cleanup allows you to delete multiple

recordings with a simple check box. When

you select **DVR Cleanup**, a **DVR Cleanup**

screen appears, with a list of all of your

recordings. To check what recordings to

delete, simply highlight the corresponding

box(es), then arrow left to highlight the

Delete button and press **OK/Select**, and confirm your deletion.



DVR History

DVR History provides you with a list of recent DVR deletions or missed

recordings. If a program did not record, DVR History will provide a reason why the program didn't record or when a program was deleted.



MODIFY RECORDING OPTIONS

i-Guide gives you flexibility to manage your

personal video library. You can modify your

Recording Options at any time, as often as

you like.



From the **Quick Menu** or **Main Menu** (or from **MY DVR** on the remote), select

DVR, then select **Future Recordings** to see a list. Highlight a program title and

press **OK/Select** or **INFO**. You can also select **Series Recordings** to see a list of

just scheduled series.

Select ● from the Program Information

Screen. Select ↶ to change the Recording

Options or select X to delete this program

from your list of Future Recordings.



Use the ◀ ▶ ▼ ▲ buttons on your remote to change the **Recording Options**:

- ✦ Change the frequency of the recording, such as every day or once a week
- ✦ Specify how many recordings to save
- ✦ Set a Save Until parameter, either until you delete or delete automatically when space is needed
- ✦ Change the start and end times in order to catch every minute of a program, even if it runs over

From Listings

Select your **Scheduled Recording** in the listings; it will be indicated by the red dot in the **Instant Info**.



Press **OK/Select** or **INFO** and select ● to change your options or delete the Scheduled Recording.



From here, select Ⓞ to cancel the recording, or select to see all the Recording Options.

RECORDING NOTICES

Recording Starting Notice

If you are currently watching TV, before a Scheduled Recording begins, a notice will appear giving you the opportunity to confirm or cancel the recording. If you don't do anything, the DVR will automatically tune to the channel and begin recording. Live TV programming that was temporarily recorded in the buffer will be erased.



Changing Channels While Recording

If two recordings are in progress (dual-tuner DVRs only), and you attempt to change channels, a notice will appear. (Two Recordings in Progress screen)



- ✦ Select the ↺ to view the other recording
- ✦ Select the ● to continue recording as scheduled
- ✦ Select Ⓞ to cancel the current recording and change the channel

Recording Low and Full Notices

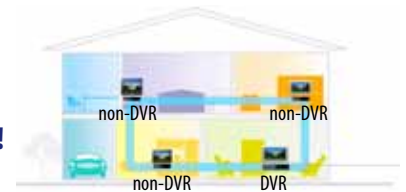
i-Guide will advise you with an on-screen notice when available memory on the DVR is low or full. If recording space becomes full during a recording, the recording will stop. When you schedule a recording and recording space is low, a notice will prompt you to review your DVR Recordings to delete recordings.



MULTI-ROOM DVR

Welcome to the Multi-Room DVR experience!

With Multi-Room DVR you will now be able to watch, record, and delete programs on your Digital Video Recorder (DVR) from any connected non-DVR set-top in your home. You can also use the powerful new bookmarking capabilities which allow you to resume watching the same Recording in another room from exactly where you left off. This guide gives you an overview of how to quickly get started enjoying this exciting new addition to your home entertainment system*.



* Operation of your Digital Video Recorder set-top remains unchanged. This guide details how to operate your home's non-DVR set-tops in order to enjoy the Multi-Room DVR features such as playback, recording, and bookmarking of programs from any room in your house. For details on how to operate your Digital Video Recorder, please refer to your DVR Guide or contact your cable provider.

Accessing Your DVR Content Using Multi-Room DVR

Press the **B** button or the **LIST** button on your cable remote to launch the Multi-Room DVR feature and display the **My Recordings** screen*.

* Remote button selections may vary depending on the services your cable provider offers.



My Recordings Screen

The **My Recordings** screen provides a listing of all your existing recorded programs and in-progress recordings. The program series recordings are automatically placed in folders to allow you to quickly find your favorite episodes. Select the folder to view one or more series recordings on your DVR.

Use the left and right arrow keys on the remote to sort the list by time, channel, or date.

Use the up and down arrow keys to scroll through the list. When the recording you want to watch is highlighted, press the **OK** button on the remote to see the recording details on the **Playback Details** screen.



Playback Details Screen

The Playback Details screen gives you a description of the recorded program and offers the following playback options:

Watch a recording from where you left off

- Select the **Resume playback** icon (▶) on the screen to see a menu of playback options.



Watch a recording from the beginning

- Select the **Play from beginning** icon (◀) on the screen to start watching the recording from the beginning.

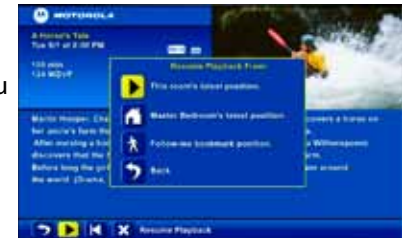
Delete a recording

- Select the **Delete recording** icon (✕) on the screen to erase the recording from your DVR.

Resume Playback From:

The Resume Playback From: menu offers you the following playback options:

- Choose **This room's latest position** (▶) to watch from where playback was stopped on this room's non-DVR set-top.
- Choose **Master Bedroom's latest position** (🏠) to watch from where playback was stopped in the room where your DVR is located. (Master Bedroom in this example is the friendly name you assigned to your home's master DVR.)
- Choose **Follow-me bookmark position** (👤) to watch from where playback was bookmarked on another room's non-DVR set-top.



Watch a Recording

A progress Status Bar is displayed during playback of a recording that shows the program name, program duration, as well as how far you are currently into the playback.



While watching a recording you can also use your remote to fast forward, rewind, pause, or stop the program.

Main Menu

You can access the **Main Menu** by pressing the **MENU** button on the remote at any time the MR-DVR application is running. The options presented will vary depending on the screen or function the user is interacting with. The image on the right shows the options available from the **My Recordings** screen. Additional options (see list below) are available when accessing the **Main Menu** during playback.



Use the left and right arrow keys on the remote to navigate the Main Menu options.

Press the **OK** or **Select** button on your remote to select the menu option.

Menu Options

Pause — Pause Live TV on a non-DVR set-top. This feature enables you to pause the Live TV content you were viewing prior to launching the DVR application on the remote cable box.

View Playback Details — Takes you to the **Playback Details** screen.

Delete Recording — Deletes the selected recording.

Schedule New Recording — Takes you to the **Schedule a Recording** screen where you can set up future recordings.

View Scheduled Recordings — Opens the **Future Recording** screen that displays a list of programs you have already scheduled to record.

Set Follow-me Bookmark — Bookmarks the recording you are currently watching for playback at the same place from any other connected set-top in the home. *Note: This function is available by pressing the MENU button during the playback of a recording.*

View Hub List — Takes you to the Hub screen which displays all the Digital Video Recorders (Hubs) you have in your home. You can also assign a friendly name the DVR(s) in your home from this screen.

Pause Live-TV

This function is only available from the **My Recordings** screen (see page 20 for more information). Use one of the following options:



Press **PAUSE** button on the menu bar.



Press **PAUSE** button on the remote.

Please note that the **PAUSE** function on your non-DVR set-top is slightly different than on your DVR. In some instances, the PAUSE function will not work if other set-tops in your home are already performing a record function.

Set a Follow-me Bookmark

The **Follow-me Bookmark** option allows you to set a bookmark during playback of a recording and resume that recording from that same bookmark in another location in the home.



MULTI-ROOM DVR: Schedule a Recording

While watching a recorded program, press the **MENU** button on your remote.

Select the **Set Follow-me Bookmark** icon on the menu.


Press the **OK** button on your remote to bookmark the current viewing location.

You will see a **Follow-me Bookmark Successfully Set** confirmation message.

You can now retrieve this bookmark to resume playback of the recording from this point at any other connected non-DVR set-top in your home.

Schedule a Recording

Press the **MENU** button on your remote.

Select the **Schedule Recording** icon  on the menu and press the **OK** button on your remote.



On the **Schedule a Recording** screen, use the up and down and arrows on the remote to select the **Channel**, **Date**, Adjust time by, and **What's in-progress at:** fields. Use the left and right arrow keys to scroll through these fields to locate and select the program you want to record. The title and a description of the show you select will appear in the **Program** field.


Once you have set up your recording, select the **Rec Program** icon and press the **OK** button on your remote to schedule the recording. A **Record Request Succeeded** message will display. You can also select the **Rec Series** icon to schedule multiple episodes of a program to be recorded.

Cancel a Future Recording: MULTI-ROOM DVR

Delete a Recording

In the **My Recordings** screen, use the up and down arrow keys on the remote to select and highlight the recording you want to delete.



Press the **MENU** button on your remote to display the **Main Menu**. Use your arrow key to select the **Delete Recording** icon . Press the **OK** or **Select** button on the remote to delete the recording.


At the **Press "OK" to Confirm Delete...** confirmation message, press the **OK** button on the remote. The recording is now deleted.

Recordings can also be deleted from the **Playback Details** screen.

Cancel a Future Recording


Select **View Scheduled Recordings** from the **Main Menu**. In the **Future Recording** screen, use the up and down arrow keys on your remote to select and highlight the future recording you want to delete.



Press the **MENU** button on your remote to display the **Main Menu**. Use your arrow key to select the **Cancel Recording** icon . Press the **OK** or **Select** button on your remote to delete the future recording.

At the **Press "OK" to Confirm Cancel...** confirmation message, press the **OK** button on your remote. The recording is now deleted.

View DVR Hubs/Change DVR Hub Name

Select **View Hub List**  from the **Main Menu** to view the Digital Video Recorder(s) in your home. All the DVRs that are part of the multi-room network will display on this screen.



You can also use this screen to change the names of the DVR Hub(s) to match the various locations in your home. Press the **MENU** button on your remote from this screen and then enter the new name.

Helpful Hints — Resuming Playback Using Bookmarks

MR-DVR bookmarks your DVR content letting you to resume playback of the video content (movies, television shows, etc.) at a later time from the same, or different room of your home. Let's look at a few examples:

Resuming playback from the same room.

Let's assume you want to finish watching a movie in your upstairs bedroom. Previously, you stopped playback by pressing the **STOP** button on your remote. To resume playback you:



1. Press the **B** button on your remote to display the **My Recordings** screen.
2. Use the arrow keys to select the content you want to resume.
3. Select the **Resume playback** icon.
4. Select **This room's latest position** and press **OK**. The playback will resume right where you left off.

Resuming playback on a connected non-DVR set-top that was previously playing on your DVR.

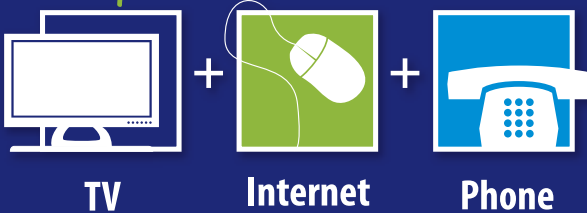
Let's assume you are watching a movie in your living room (where the DVR is located) and you decide you want to continue watching it in the den (where one of your connected non-DVR set-top's is located). Here is what you would do:



1. Press the **PAUSE** or **STOP** button to stop/pause playback on the DVR.
2. In the den, press the **B** button on the remote to display the **My Recordings** screen.
3. Select the content you were previously watching in the living room and select the **Resume playback** icon.
4. Select the **Living Room's latest position option***. The playback will resume right where you left off.

*Note: In this example, Living Room is the friendly name you assigned to your home's master DVR.

Complete Home Packages



TV

Internet

Phone



1000 Willow Circle, Hagerstown, MD 21740 • 301.797.5000

www.antietamcable.com

Information in this manual subject to change without notice.