

DVR User Manual



Contents

DVR - Don't miss a thing.	1
Control Live TV	1
Playback Controls	
Using the Video Control Buttons	2
Playback Controls	
Using the Remote Control Arrow Buttons	2
Pause, Rewind, Fast-Forward, Slow Motion, Instant Replay, Get Back to LIVE TV	3
Swap Between Programs	4
Your Personal Video Library	4
Building Your Library - Recording Programs	4
Record Program Information	4
Manually Schedule Recording	5
Record a Series	5
Managing Scheduling Conflicts	6
View Your List of Scheduled Recordings	7
Modifying Recording Options	7
View Programs Stored In Your Personal Video Library	7
Managing Your Personal Video Library	8
Copy Recordings to a VHS Tape	9

Don't miss a thing.

DVR

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 for your schedule.

Pause live television! Rewind and replay programs so you don't miss a beat.

Record up to 90 hours* of your favorite programs and view them as many times as you want, whenever you want. You can even record **high-definition TV****. All without rentals, tapes or returns.

Your **DVR** converter has made recording and watching your favorite programs easier than ever. Powered by **i-Guide**, now you can watch a program while recording another or record two programs at once! You have your own personal video library, stored on your digital set-top box, so you can watch them at your convenience. You can even pause, fast-forward and rewind LIVE TV to playback the scenes you've missed. In fact, your **DVR** is one of the first available that can actually record and play **high-definition** programming!**

Control Live TV

Using **DVR** with **i-Guide**, you can control LIVE TV. Anytime you tune to a channel, the **DVR** begins making a temporary recording of whatever you're watching. So you can **PAUSE** if the phone rings, **REWIND** the scene you missed and **FAST-FORWARD** to skip what you don't want to watch. Your **DVR** will record up to one hour of live TV+.

The live TV recording is not a permanent recording, unless you actually record it to the DVR's hard drive. For live TV recordings, the temporary recording buffer will be erased if any of the following occur:

- Turn off your **DVR**.
- Watch the same channel for longer than the temporary recording (buffer) period. Only the most recent hour of the program (15 minutes of HD) is kept in the temporary recording.
- Switch to another program on the same tuner. When you change channels without using the **SWAP** function, your **DVR** begins to store the new program. It removes the previous program you were watching from the storage. (See **SWAP** section for additional information.)
- You watch more than one hour. After one hour, the **DVR** removes the earlier minutes of the recording, so that only the most recent hour is kept in the temporary recording.

*Recording capacity varies.

**Recording and playback of high-definition programs requires DVR connection to high-definition television.

+Recording buffer (temporary hard drive) for each tuner will record as long as you stay tuned to the same channel.

Playback Controls

You can play back your video recordings using the buttons on your remote using the Video Control Buttons.

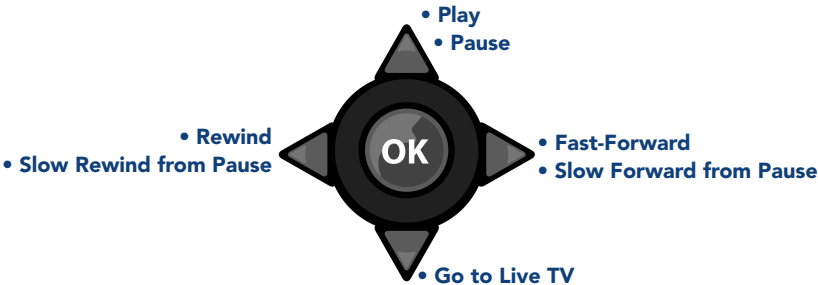


These buttons function like VCR controls. Plus, you have new **DVR** control features, like Instant Replay and SWAP.

Note: Some remotes will have an Instant Replay button.

Using the 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.



Status Bar

The **Status Bar** appears whenever you pause, rewind or fast-forward a live program. It also gives you information such as the title of the program you are watching, the source of the program and duration of time. The yellow position bar indicates where you are in the program. Green indicates the length of the program you are watching. Red indicates that you are watching a recording in process. White indicates the length of other programs available in the buffer.



Pause

As you watch live TV and recorded programs press **PAUSE** and the video on your TV screen instantly freezes. No more missing the climactic scene of a movie or the winning play of the game! For programs you are watching live, your **DVR** will remain in pause for up to 90 minutes*. Press **PLAY** to resume normal play of the program.

Rewind

Want to review a portion of your live show? It's a snap with **DVR**. Press **REWIND**. Press it again up to 4 times to increase the rewind speed. rE1, rE2, rE3 and rE4 will appear on converter screen. rE1 is the slowest setting and rE4 is the fastest. Press **REW** a fifth time or press play to resume normal play.

Fast-Forward

For programs you are watching live, **FAST-FORWARD** can be activated if you have paused or rewound the program (live TV can not be fast-forwarded). Press **FAST-FORWARD** to move forward in the program.** Press it up to 4 times to increase the fast-forward speed. FF1, FF2, FF3 and FF4 will appear on the converter screen. FF1 is the slowest setting and FF4 is the fastest.

Slow Motion

Your **DVR** is equipped with slow-forward and slow-rewind functions to give you crisp and clear **Slow Motion** images. Ever wonder what the referees are looking at when they review a controversial play? Use **Slow Motion** to get an inside look. To activate slow-forward, press **PAUSE** and then **FAST-FORWARD**. To use slow-rewind, press **PAUSE** and then **REWIND**. To return to regular speed, press **PLAY**.

Instant Replay

With **Instant Replay***, you can go back to see the last play of the game or replay the last scene of your movie. Just press  on your remote to replay the last 15 seconds. Press  repeatedly to continue skipping back in 15-second increments.

Get Back to Live TV

Anytime you pause or rewind a live program, the show continues to be broadcast in real time. To return to live programming, press the ▼ button*.

GUIDE TIP: Using Parental Locks With DVR - You can restrict viewing of recorded programs, just like any other program. If you schedule a recording for a program you have **LOCKED**, the program will be recorded, however, audio is muted and no video will appear while the program is recording. A restricted notice appears allowing you to enter your PIN to view the program during recording. Once the program has been recorded, you can access it from your list of recorded programs. Just enter your PIN to view it.

* Pause capacity depends on video format; less than 15 minutes for High-Definition programming.

** You can only fast-forward up to the point of live TV.

Record One Show While Viewing Another

Because **DVR** has two tuners, it can buffer two programs at the same time – one on each tuner. The **SWAP** feature lets you toggle back and forth between the two live shows while giving you full control of both. While you are tuned to a program, press the **SWAP** button on your remote.

- You will change tuners. Now you can select an alternate program by changing channels or using the **i-Guide**.
- Press **SWAP** again to toggle between the two programs.

Note: The SWAP button is the key to keeping the buffer for both programs. If you change channels without using the SWAP key, you will lose the buffer. The SWAP button may not be available on all remotes.

Your Personal Video Library

Using your **DVR** with **i-Guide**, you can build your own personal library of programs, movies, sports, TV shows ...whatever you want. Follow the steps below to build and manage your personal video library.

Building Your Library - Recording Programs

You can set and schedule recordings three ways with **i-Guide**: one touch record, interactively by program and by manually scheduling your recording.

One Touch Record

Press **RECORD** on your remote any time while watching TV or while navigating through the guide. Recording begins immediately at the point you pressed **RECORD** for programs airing now. You can automatically schedule recordings for programs starting at a later time or date by pressing **RECORD** while in the listings. Recording will start at the program's scheduled start time.

Record From Program Information

From the listings, highlight and select a program scheduled for a later time. Press the **INFO** button and you will see an information screen. Highlight the **Record**  **Icon** and press **OK** to start a recording for the time the program is scheduled to start.



Record Two Programs at Once

The **DVR** converter 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. There are several ways to record two programs at once. Here are two basic examples:

While Watching a Show:

- 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.

Manually Schedule a Recording

You can set a **Manual Recording** to automatically record a specific time and channel.

Step 1: Select **DVR** from the **Main Menu**, then select **Set a Recording**.

Step 2: Select the start and end times and the day you wish to record and confirm your settings.

Step 3: A channel list will then appear, allowing you to select the channel to record. Select the channel you want.

Step 4: A "**Create a New Recording**" Screen will appear, select **Create a Recording** to confirm your settings or select the **Recordings Options**  **Icon** for additional Recording Options.

Record a Series

DVR lets you record multiple episodes of a program according to your preferences. You can set the **DVR** to record only new (first run) episodes, first run episodes and repeats or all episodes.

When you set a recording from a Series Program Information screen, you'll have an additional icon on the preceding Recordings Overlay. Choose **Create a Series Recording** Icon to specify your series recording options.

- Select the episode type to record, such as first run only, first run and repeats or all episodes.
- Specify how many recordings to save.
- Specify how long to save the recording – until you erase it or until space is needed.
- To access advanced series setup features like **add minutes** to the start and end times and specify which channels to record, select the **Setup**  **Icon** to review all options.

Your series recordings will appear in your **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 (arrow left/right) buttons on your remote to View by Date, View by Channel or View by Title.

Managing Scheduling 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.



-Return to the previous screen.



-Record highlighted series as shown above.



-Don't record this series.

- 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. You may also modify the priority assigned to a series using the **Series Priority List**. (See next section)

Modify the Series Priority List

To help you manage which series get recorded when there are scheduling conflicts, your **DVR** automatically creates a **Series Priority List**. The first series you set to record has the highest priority and is the program recorded in case of a conflict. If there are no conflicts, each additional series you set to record is added to the bottom of the list. You can easily change the recording priority of the programs so that the programs of your choice are recorded in case of a conflict.



- Select **DVR** from the **Main Menu** or **Quick Menu**.
- Choose **Series Priority**.
- Highlight a program and use the Page +/- buttons on your remote to modify its priorities.

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 Cancel a Scheduled Recording section).

View Your List of Scheduled Recordings

Step 1: From the **Main Menu** or **Quick Menu**, select **DVR***

*Menu label may vary

Step 2: Select **Future Recordings**.

Step 3: See a list of all the programs you have scheduled to record, select a title to cancel the scheduled recording or modify recording options.

Modifying Recording Options

i-Guide gives you flexibility to manage your personal video library. You can change your **Recording Options** at any time, as often as you like.

Change Options for Scheduled Recordings

Step 1: From the **Main Menu** select **DVR**.

Step 2: Select **Future Recordings**.

Step 3: Highlight a program title and press **OK** or **INFO**.

Step 4: Select  from the program information screen.

Step 5: Select  to change the **Recording Options**, or select  to delete this program from your list of **Future Recordings**.

Use the **▲ ▼ ◀ ▶** buttons on your remote to change **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 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 indicated by the red dot in the instant info.

Press **OK** or **INFO** and select the Icon.

From here, select Icon to cancel the recording, or select Icon to modify the **Recording Options**.

GUIDE TIP: DVR is not a long-term storage device. To maximize your storage space, review the contents of your library regularly and discard the recordings you no longer wish to save. See "Managing Your Personal Video Library" in this manual.

View Programs Stored In Your Personal Video Library

Step 1: Press **LIST** on the remote or from the **DVR Menu**, select **My Recordings**. Use the **▲ ▼** buttons on your remote to search through and highlight titles from your list of recorded programs. Press **OK** to select the program.

Step 2: From the Information Screen, select Icon to resume play from where you left off or select Icon to restart from the beginning.

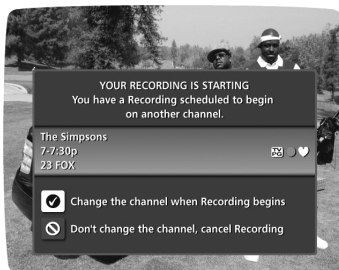
Guide Symbols to Know: Recorded Program Information Screens

-  - Go back to the previous screen
-  - Delete the program from My Recordings
-  - Play the recording
-  - Change the Delete Priority Rule
-  - Start the recording from the beginning
-  - Place a Lock on the program to restrict viewing

Step 3: To control playback while watching a recorded program, use either the video control buttons or the arrow buttons on your remote. See the **"Playback Control"** section for more information.

Recording Starting Notice

Before a scheduled recording begins, a notice will appear on-screen giving you the opportunity to confirm or cancel the scheduled recording. If you don't do anything when the recording is scheduled to start, the **DVR** will automatically tune to the channel and begin recording. Live TV programming that has been temporarily recorded will be erased once the scheduled recording starts.



GUIDE TIP: Changing the channel during a recording will stop the recording. You will see a notice confirming whether you want to stop the recording and change channels or continue recording.

Managing Your Personal Video Library

A recorded program remains in your personal video library until you decide to delete it, unless you have it set to delete when space is needed. Your **DVR** will record and store up to **90 hours** of programming and up to **20 hours of high-definition** programming*. To make the most efficient use of **DVR** storage space, follow these guidelines:

To Delete Recordings

From the program information screen, select the **delete**  **Icon** to delete the recording, or select the **Icon** to modify the **Delete Priority**. For example, you can tell the guide to delete the recording when space is needed.

* Recording HD programming requires a DVR connection to a HD television.

Copy Recordings to a VHS Tape

After you watch a recording, decide to either erase it or keep it permanently by transferring it to a VHS tape using your VCR.

When you copy recordings to a VHS tape, make sure that the recording is displayed on the TV screen for the entire time the recording is being copied. If you change channels or display guide screens during the copying process, your tape copy will contain these images and you will not have a complete copy of the recording.



1. Connect the **S Video** or **RCA OUT 1** connection on the back of the **DVR** to the **Cable IN** of your **VCR**.
2. Put a tape in your VCR and tune your VCR to the proper input.
3. Access your list of **Recorded Programs**.
4. Use the **▲ ▼ ◀ ▶** buttons on your remote to highlight a program from your list of **Recorded Programs**. Press **OK** to select a program.
5. From the Information Screen, select **▶** to resume play from where you left off or select **⏮** to restart from the beginning.
6. Start recording on the VCR when playback begins.
7. As the recording plays, it is taped to your VCR.

Note: Refer to your VCR User Manual for specific instructions on using your VCR.

To help you manage your personal video library, **i-Guide** will advise you with an on-screen notice when the available memory gets low or full. If recording space becomes full during a recording, the recording will stop. To avoid missing part of the program, make sure you have enough recording space to record the entire program before you begin.

GUIDE TIP: If you have any questions regarding the use of **DVR** call and speak with a customer representative at 419-724-9800. We are available to take your calls 24 hours a day, 7 days a week **OR** visit our website at **buckeyecablesystem.com**.



NW Ohio/SE Michigan: 419.724.9800
Erie County: 419.627.0800

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