

TERK[®]

TUNVR1

HD DIGITAL TV TUNER

WITH

RECORDING

SETUP GUIDE

Check out setup videos at
www.TERK.com/Setup

WELCOME

Congratulations on your purchase of the Terk HD Digital TV Tuner with Recording! This product combines an HDTV Tuner with Recording Capability to let you get the most from your FREE local HD channels. This Setup Guide takes you through the steps to get started.

What's included:

- HD Television Tuner
- Power Adapter (for the tuner)
- Remote Control (to operate the tuner)
- HDMI Cable (to connect to your TV)

What's NOT included:

- TV Antenna (to receive local TV stations)
- External USB Drive (to record programs or timeshift what you're watching)

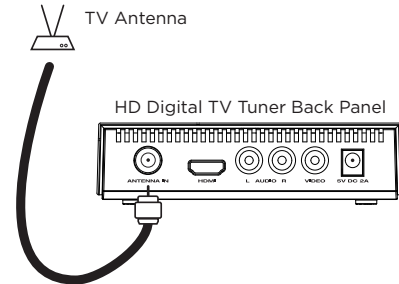
Note: *The tuner also offers a composite video/audio connection for TVs that don't have an HDMI input. If you want to use a composite video/audio connection, you'll need composite video/audio cables, which are not included.*

SETTING UP

1 Connect the HD Digital TV Tuner to an antenna.

Connect the coaxial cable from your TV antenna to the ANTENNA IN jack on the back of the HD Digital TV Tuner.

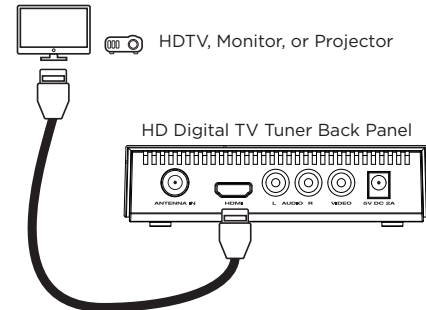
Note: For best results, we recommend Terk TV antennas.



2 Connect the HD Digital TV Tuner to your TV, monitor, or projector.

Connect the included HDMI cable to the HDMI jack on the back of the tuner. Connect the other end to an available HDMI input on your HDTV, monitor, or projector.

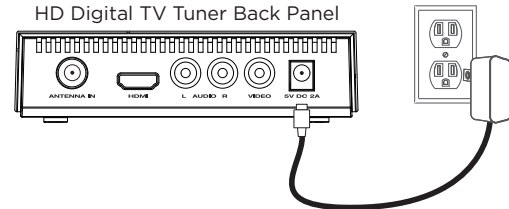
Note: If your TV doesn't have an HDMI input, connect audio/video cables (not included) to the VIDEO and AUDIO jacks on the tuner. Then connect the other ends to VIDEO and AUDIO jacks on your TV.



SETTING UP (continued)

3 Plug in the HD Digital TV Tuner.

Plug one end of the included AC adapter into the 5V DC 2A jack on the back of the HD Digital TV Tuner. Plug the other end into a working AC outlet or surge protector.



4 Install batteries in the tuner's remote.

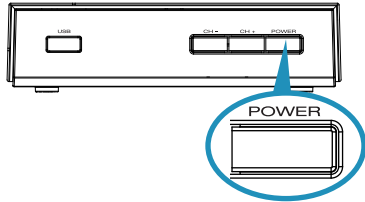
Open the battery compartment on the back of the remote. Then insert 2 AAA batteries (not included) in the battery compartment, matching the batteries to the (+) and (-) marks on the inside of the compartment.

5 Turn on your TV and make sure it's on the correct input.

Press the power button for your TV, monitor, or projector (either on the remote that came with it or on the device itself). Then press the button that changes input on this device or its remote until you see the input you used for the tuner. For example, if you connected the HDMI cable to the HDMI1 input on your TV, monitor, or projector, select the HDMI1 input on your device.

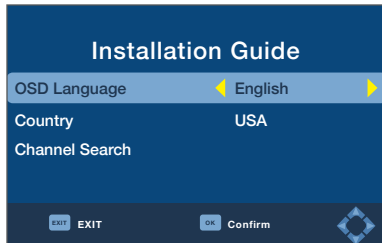
SETTING UP (continued)

6 Turn on the HD Digital TV Tuner (if it's not already on).



Press the POWER button on the front of the tuner or on the tuner's remote to turn it on. The power indicator on the front of the tuner lights up and the TERK screen appears on your TV, monitor, or projector.

7 Go through the Installation Guide to perform a Channel Search.



The first time you turn it on, the tuner will take you through an Installation Guide. Use the arrow buttons on your remote to choose your preferred language for the menus (OSD Language) and your country.

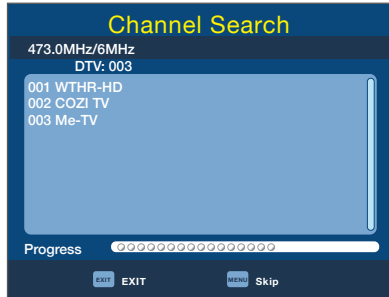
Then highlight Channel Search and press OK to start searching for channels in your area.

Continues on next page...

SETTING UP (continued)

7

Go through the Installation Guide to perform a Channel Search (continued).



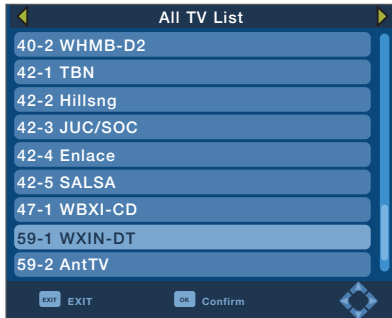
The tuner launches the auto search for channels. This allows your tuner to program all of the broadcast channels you receive into its channel memory. This step could take up to 30 minutes. The Progress bar shows how much of the search has been completed.

IMPORTANT: *Make sure you have your antenna connected to the tuner and pointed toward where your broadcasts are coming from.*

Once the tuner has completed the auto search, press OK on the remote to see a list of the channels it found.

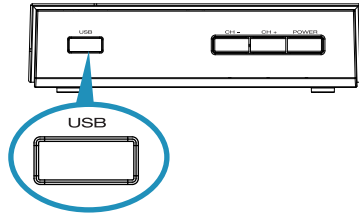
You can add individual channels later by using the Manual Search or Auto Scan Add Channels (see page 23 for information—this does not delete current channel list). You might need to do this if your broadcast channels come from several different directions.

You can also mark some of the channels in the list as your favorites using the Favorite Channels menu (see page 21 for information).



SETTING UP (continued)

8 (Optional) Connect a USB drive to the tuner for recording.



Connect a USB drive to the USB port on the tuner's front panel.

Note: Not all USB drives are compatible with this tuner. For best results, use USB 3.0 portable Hard Drives and Flash drives.

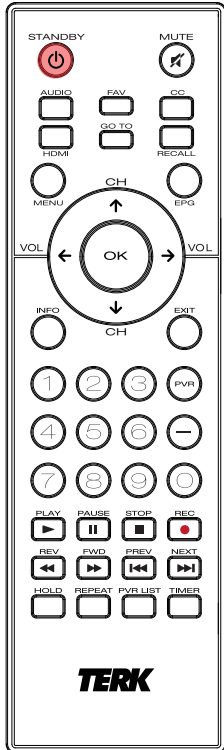
9 (Optional) Configure the USB drive for your preferences.



Press the PVR button on the remote. Use the arrow buttons to highlight the PVR Configure option. Then press OK to access the Record Device options.

Note: *Timeshift Size sets the size of the memory allocated to the Timeshift mode. This is a temporary memory for programed watched using Timeshift but not recorded. Formatting the drive will delete all files on your USB drive.*

TOUR OF THE HD DIGITAL TV TUNER



Remote Control

STANDBY / Turns the tuner on or puts it in standby mode.

MUTE / Mutes and unmutes the audio from the tuner.

AUDIO Selects from the available audio modes.

FAV Displays the Favorite Channel List (see page 21 for more information).

CC Turns on closed captioning (if available) and selects from available CC types.

HDMI Selects the resolution of the tuner's output.

GOTO Goes to a selected program time during playback of a recorded program (see page 18 for more information).

RECALL Goes back to the previous channel.

MENU Displays the tuner's Main Menu.

EPG Displays the tuner's Electronic Program Guide and recording setup schedule.

INFO Shows/hides program info. Press once to show program info. Press twice to show detailed info with signal meter. While recording or watching a recording, displays detailed record info.

EXIT Returns to the previous menu.

TOUR OF THE HD DIGITAL TV TUNER (continued)

Arrows, CH+/-, VOL+/- In the menu system or guides, moves cursor up/down or left/right. Outside of the menus and guides, changes channel or adjusts volume.

OK Confirms your selection. Press twice for the Channel List.

0-9 Inputs numbers, including channels to watch.

— Selects a digital sub channel (for example, 13.2).

PVR Used to format and setup a USB device for recording.

PLAY / PAUSE Starts/pauses playback of a recording. While watching a program or when recording a program, pressing pause starts Timeshift mode (see page 19 for more info).

STOP Stops video playback or recording.

REV / FWD Scans in reverse or forward. Repeated presses select the scan speed (2X, 4X, 8X, 16X, 32X).

PREV / NEXT Goes to the next or previous file or recording.

HOLD In PVR mode, selects between in preview or full-screen video playback.

REPEAT Chooses a repeat playback mode (repeat program, repeat the folder, or play random from folder).

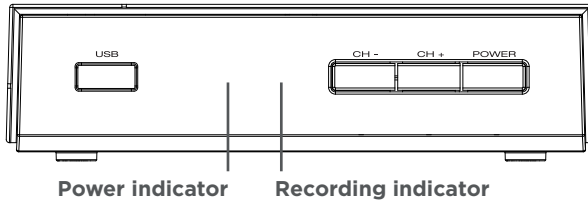
PVR LIST Displays the list of PVR recordings on the USB device.

TIMER Enters Timer mode to schedule a program recording.

TOUR OF THE HD DIGITAL TV TUNER (continued)

HD Digital TV Tuner

Front Panel



USB jack Connects to a USB drive for recording or timeshifting programs.

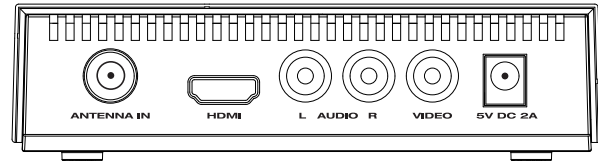
Power indicator Shows when the tuner is on (green) or in standby mode (red).

Recording indicator Flashes red when the tuner is recording and the record clock is on-screen.

CH+/- buttons Goes up and down through the tuner's channel list.

POWER button Turns the tuner on or puts it in standby mode.

Back Panel



ANTENNA IN jack Connects to a TV antenna to receive local broadcasts.

HDMI jack Connects to your TV, monitor, or projector using the HDMI cable (included).

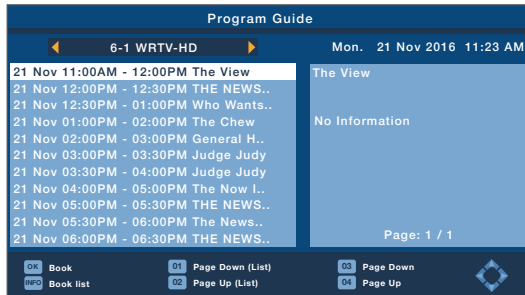
AUDIO L/R and VIDEO jacks Connects to your TV, monitor, or projector using a composite video and stereo audio cables (not included).

5V DC 2A jack Connects to the included DC power adapter to power the tuner.

EVERYDAY OPERATION

The Program Guide

The HD Digital TV Tuner offers a program guide for each channel, showing the upcoming schedule for that channel



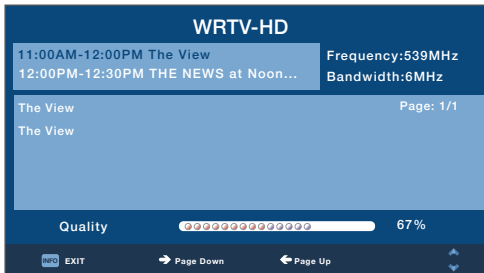
To see an program guide for the current channel: Press the EPG button on the remote.

Note: *Program Guide information may or may not be available for some channels or programs—it depends on whether the broadcaster is sending this information. Broadcaster information may not be exactly as illustrated.*

EVERYDAY OPERATION (continued)



Info Banner (first press)



Detailed Info Screen (second press)

Info Banners

When you change channels or press the Info button, the Info banner appears briefly on the top of the screen.

If you press Info a second time, the detailed Info screen appears. This screen has more information about the channel, including a signal meter that shows the quality of the signal the tuner is receiving.

EVERYDAY OPERATION (continued)

Recording and Timeshifting Programs (PVR)

The HD Digital TV Tuner can record your favorite programs or timeshift regular TV while you're watching. To start recording, however, you need to connect and set up a USB drive (not included, see page 13 for more information) as a recording device.



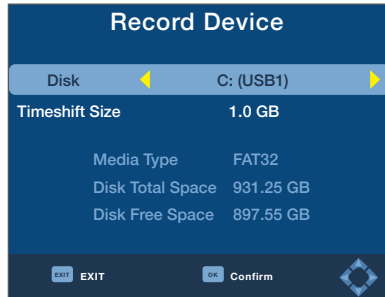
Configuring a Record Device

Before you use the PVR function of the tuner, make sure you've configured your USB drive the way you want it to be used by the tuner.

1. Press PVR on the remote.
2. In the Set Up menu, highlight PVR Configure and press OK.
3. In the PVR Configure menu, highlight Record Device and press OK.

Continues on next page...

EVERYDAY OPERATION (continued)



4. In the Record Device screen, highlight the option you want to change, then use the left/right arrows to adjust it.

Disk lets you choose where the recordings are stored (the only option for this is C: (USB1)).

Timeshift Size sets the size of the memory allocated to the Timeshift mode (for when you pause/play live TV without recording it).

Formatting a USB device (Flash Drive or HD)

You don't need to re-format a USB drive in order to use it with the tuner. However, if you want to start with a clean drive, you can use the tuner to format. There are 2 formatting options: FAT32 (best if you want video compatible with PCs) or NTFS (most efficient memory use).

Formatting the drive will delete all files.

EVERYDAY OPERATION (continued)

Recording Programs

The HD Digital TV Tuner offers several ways of recording programs. You can record the program you're watching (real-time recording), schedule a program to record from the program guide, or set a timer to record a program.

Real-Time Recording

You can start recording at any time while you're watching a program.

To start recording: Press the Record button on the remote. The tuner will start recording and a record timer will appear in the top left corner of the screen. (To clear the timer from the screen, press EXIT. To bring it back, press INFO.)

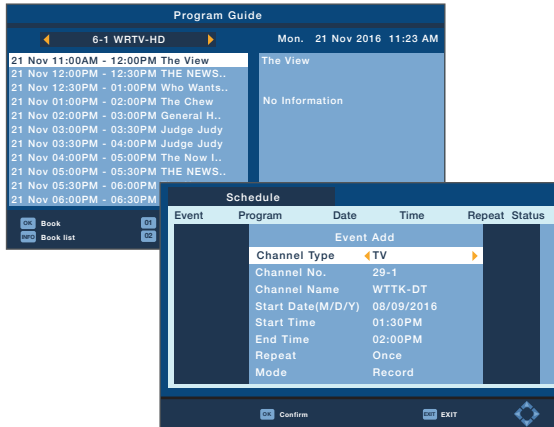
To stop recording: Press the Stop button on the remote.

For information on accessing your recorded programs, see the Playing Back Recordings section on page 18.

EVERYDAY OPERATION (continued)

Scheduling Recording from the Program Guide

You can schedule a program to record by selecting it in the program guide.



1. Press the EPG button on the remote to access the program guide.
2. If the program you want to record is on the current channel, use the up/down arrow buttons to highlight it. Then press OK to schedule (or “book”) a recording.
Note: If the program is not on the current channel, use the left/right arrow buttons to change channels.
3. In the Event Add screen, the Channel Type, Number, Name, Start Date, Start Time, and End Time are already set for you. Press the down arrow to highlight Repeat and Mode if you want to set these options.

Repeat: Once, Daily or Weekly

Mode: Record or View

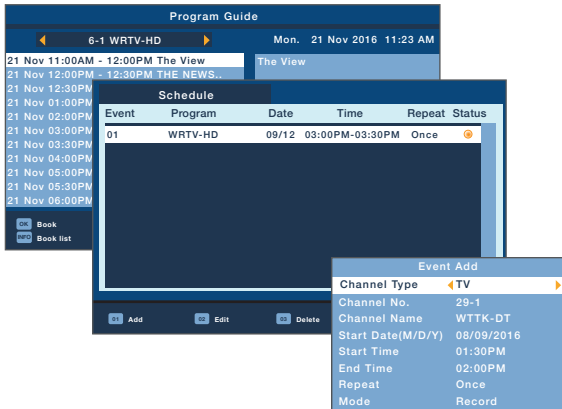
View switches to the channel at the start time but doesn't record the program.

IMPORTANT: To be able to record a scheduled program, the tuner must be left on a channel with a clock in the Program Guide. The tuner does not have its own internal clock.

EVERYDAY OPERATION (continued)

Scheduling Recording with a Timer

You can manually schedule a program to record—you'll need to enter the channel, date, and time manually.



1. Press the EPG button on the remote to access the program guide.
2. In the Program Guide, press the INFO button on the remote to access the Schedule.
3. In the Schedule, press the 1 button on the remote to add a Scheduled Event.
4. In the Event Add screen, use the arrow buttons to highlight each field and set the correct values for each.

Channel Type: choose TV to record a TV channel.

Channel No.: choose the channel showing the program.

Start Date, Start Time, End Time: set the correct information for the program, including AM and PM.

Repeat: Once, Daily or Weekly

Mode: Record or View

View switches to the channel at the start time but doesn't record the program.

EVERYDAY OPERATION (continued)

Playing Back Recordings

The tuner stores all of the programs you've recorded on your USB drive.

To access a list of recordings: Press the PVR LIST button on the remote. A list of recordings appears.

To preview one of the recordings in the list: Click on a program in the list. It starts playing in the preview window. You can fast forward, reverse, pause, and stop the preview.

To watch a program from the list: Click on a program in the list and press the HOLD button on the remote to view the program full screen.

To delete a program: Press the EPG button.

To rename a program: Press the TIMER button.

Controlling Playback

There are several ways you can control a recording while it's playing.

To go to a specific time: Press the GOTO button on the remote, then enter the time in hours : minutes : seconds.

To fast forward or reverse: Press the FWD or REV button once for 2X playback. Repeated presses go through the available speeds— 4X, 8X, 16X and 32X.

To skip to the previous or next recording: Press the PREV or NEXT button on the remote.

To stop playback: Press the STOP button on the remote.

To pause/continue playback: Press the PAUSE button on the remote.

EVERYDAY OPERATION (continued)

Timeshifting Live TV

The Timeshift function lets you pause a program you're watching or recording. The program holds its place during the pause and continue from this spot when you're ready to start again.

To start timeshifting: Press the PAUSE button on the remote.

To continue the program: Press the PAUSE or PLAY button while the program is paused.

To scan forward or reverse through the timeshifted material: Press the FWD or REV button.

IMPORTANT: Timeshifting live TV doesn't store the program you're watching in your recordings—it just stores it temporarily so you can play and pause it at your convenience.

Timeshifting Recordings

You can also timeshift during recordings—the recording continues while the display is paused.

To start timeshifting while recording: Press the PAUSE button on the remote. The PVR continues to record.

To continue the program: Press the PAUSE or PLAY button while the program is paused.

To continue the program from the beginning: Press the STOP button, then press the PLAY button to start from the beginning.

To stop recording: Press the STOP button twice.

While you're timeshifting, the bottom time bar displays both the recording time (in red, on the right) and the playback time (in blue, on the left). Press EXIT to remove the time bar from the screen (press INFO to bring it back).

THE MENU SYSTEM

The HD Digital Tuner Menu System

Most of the tuner's functions can be accessed and adjusted through its menu system, which has the following seven different submenus, accessible via icons at the top:



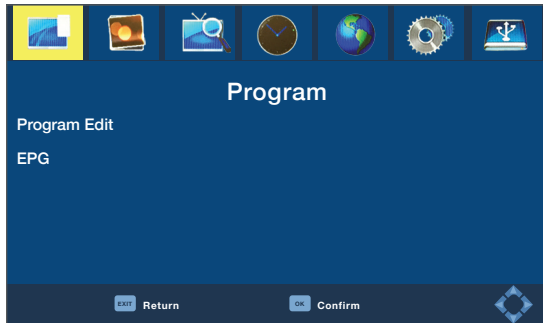
- Program
- Channel Search
- Option
- Picture
- Time
- System
- Set Up

To access the menus: Press the MENU button on the remote. Then use the left/right arrow buttons to highlight the menu you want.

To exit the menus: Press the MENU button again.

To return to a previous menu: Press the EXIT button on the remote.

THE MENU SYSTEM (continued)



Program Menu

The Program menu lets you access the Program Guide. It also lets you change, edit, or favorite the channels in your channel list.

Editing Your Channel List

1. In the Program Menu, highlight Program Edit and press the OK button. The tuner will ask for a password—if you haven't set one yet, enter "000000."
2. In the Program Edit screen, highlight the channel in the list you want to edit or make a favorite.

To move it in the list: Press 1.

To skip it in the list: Press 2.

To lock it (password protect): Press 3.

To delete it from the list: Press 4.

To make it a favorite: Press FAV. Then select the favorites list you want for it.

To rename it: Press RECALL.

THE MENU SYSTEM (continued)



Picture Menu

The Picture menu lets you set the aspect ratio and resolution of the tuner's output to match your TV.

Changing Aspect Ratio or Resolution

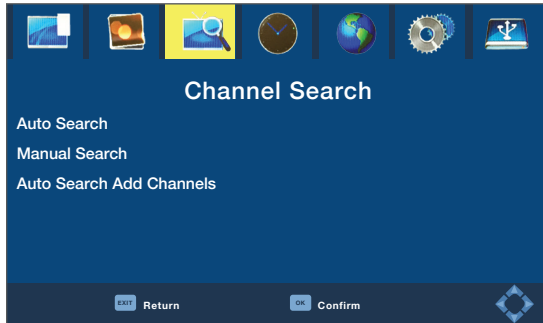
1. In the Picture Menu, highlight the option you want to change, Aspect Ratio or Resolution.
2. Use the left/right arrows to go through the options available.

Aspect Ratio: Auto, 16:9 Pillar Box, 16:9 Pan&Scan, 4:3 Letter Box, 4:3 Pan&Scan, 4:3 Full, 16:9 Wide Screen

Resolution: 1080i, 1080p (60Hz), 480i, 480p, and 720p

Note: You can also change the tuner's resolution by pressing the HDMI button on its remote.

THE MENU SYSTEM (continued)



Channel Search Menu

The Channel Search menu gives you several options for finding channels to add to the tuner's channel list.

Auto Search scans and adds all digital channels found (used in the initial setup).

Manual Search lets you go through channel frequencies manually to find and add individual digital RF channels. Use right/left arrows to go through channels and check the strength of their signal ("Quality").

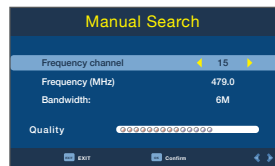
Note: *The Frequency channel listed is the RF Channel, which might not be the channel number the station calls itself.*

Auto Search Add Channels scans and adds new channels found without deleting channels already in the channel list.

Note: *This option is useful if you need to move your antenna to receive different channels.*

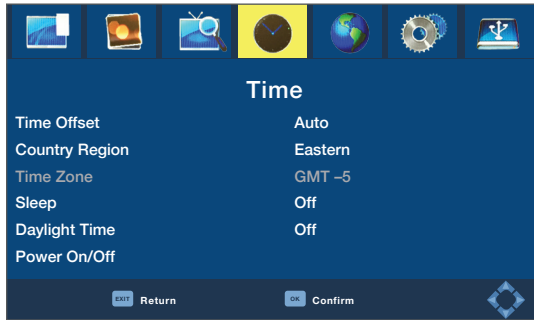


Auto Channel/
Add Channel
Search



Manual Channel
Search

THE MENU SYSTEM (continued)



Time Menu

The Time menu lets you set your time zone, your daylight-saving time setting, and set up sleep and power on/off timers.

IMPORTANT: *Leave the Time Offset in the Auto setting at first. The tuner should be able to pull your region, time zone, and daylight-saving time settings from broadcast information and set these options automatically. If it doesn't you can switch it Time Offset to Manual and set each manually.*

To set a sleep timer: Highlight Sleep and use the left/right arrows to set a timer between 1 and 12 hours (or turn the timer off).

To set a timer for turning the tuner on or off: Highlight Power On/Off and set the time that you'd like the tuner to turn on or off.

THE MENU SYSTEM (continued)



Option Menu

The Option menu lets you set your preferences for menu and audio language, as well as your closed captioning preference and the kind of digital audio the tuner outputs.

To set your language preference for menus and audio: Highlight OSD Language (for menus) or Audio Language, then use the left/right arrows to choose from the options.

Setting Close Captioning Options

1. In the Option menu, highlight Close Caption and press OK to select it.
2. In the Close Caption menu, highlight the option you want to set and use the left/right arrows to select from the options available.

THE MENU SYSTEM (continued)



CC Display CC Off, 708 CC1, 708 CC2, 708 CC3, 708 CC4, 708 CC5, 708 CC6, 608 CC1, 608 CC2, 608 CC3, 608 CC4

CC Position Auto, Top, Bottom

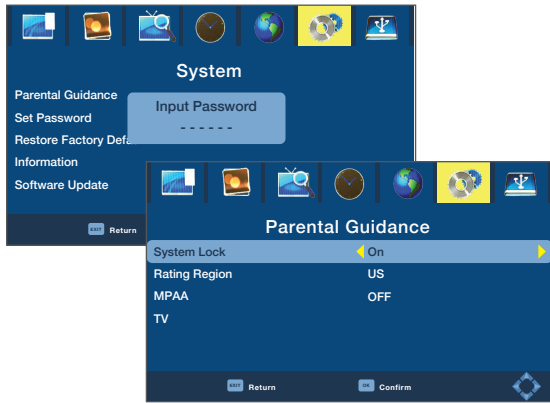
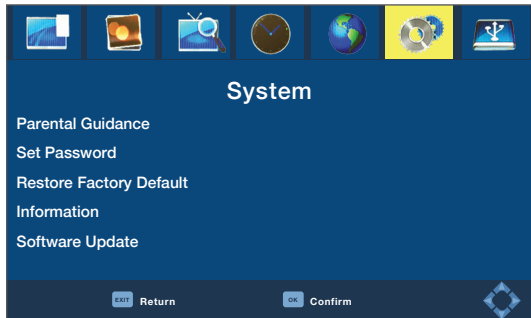
Font Size Default, Small, Medium, Large

Font Color Default, White, Black, Green, Red, Blue, Yellow, Magenta, Cyan

Background Color Default, White, Black, Green, Red, Blue, Yellow, Magenta, Cyan

CC Transparency Default, Solid Transparent, Transparent

THE MENU SYSTEM (continued)



System Menu

The System menu lets you set your own password and establish parental guidance settings. It also lets you access information about the tuner, restore factory settings, and update the tuner's software.

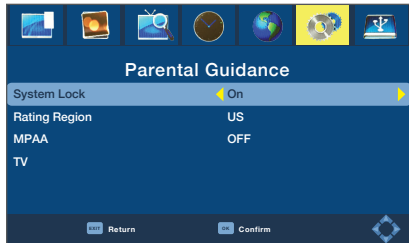
Setting Parental Guidance Controls

1. In the System menu, highlight Parental Guidance and press OK to select it.
2. Enter your password to access the Parental Guidance menu. (If you haven't entered a password already, enter "000000.")
3. Highlight the Parental Guidance control you want to set and use the left/right arrows to adjust.

System Lock puts Parental Guidance controls into effect.

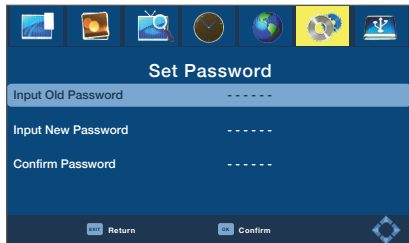
Rating Region lets you set the correct controls for your region.

THE MENU SYSTEM (continued)



MPAA lets you use MPAA ratings for parental controls.

TV lets you set the limits for TV ratings for parental controls.



Setting Your Password

1. In the System menu, highlight Set Password and press OK to select it.
2. Enter your old password to access the Set Password menu. (If you haven't entered a password already, enter "000000.")
3. Input your old password first. (If you haven't entered a password already, enter "000000.")
4. Enter your new password. Then enter it again to confirm.

THE MENU SYSTEM (continued)

Restoring Factory Defaults

Restoring factory defaults returns the tuner to the same settings it when it originally came from the factory. This can be useful for troubleshooting, if nothing else seems to work.

1. In the System menu, highlight Restore Factory Defaults and press OK to select it.
2. Enter your old password. (If you haven't entered a password already, enter "000000.")

Getting System Information and Performing a Software Update

The last two items in the System menu are for technical help. The System Information screen tells you the software and hardware versions your tuner is using. The Software Update option allows you to update the tuner software from a USB device.

TROUBLESHOOTING

Problem	Possible Cause	What to do
No sound and no picture	The TUNVR1 is in standby mode.	Press the Power button to turn it on.
No signal	Antenna not connected	Connect your antenna
Picture with no audio	The TV or the TUNVR1 is muted or volume is turned down on TV or TUNVR1	Check that both the TUNVR1 and the TV are unmuted and that their volumes are turned up
Picture is mosaic or intermittent	Weak reception	Adjust the antenna and check antenna connections.
Remote does not work	Weak batteries or remote not aimed at the TUNVR1	Replace batteries and check for obstructions blocking the TUNVR1
TUNVR1 will not power up with USB Hard Drive or Flash Drive connected,	USB device may draw too much power or have a communications error.	Try connecting the USB device after the TUNVR1 has powered up. Some USB Extreme devices require that the tuner be on first.

TROUBLESHOOTING (continued)

Unknown error when going into record or playback	Communication error with USB device	The TUNVR1 may have crashed. Unplug it and plug it back in. Then turn it back on.
No picture using HDMI cable	TUNVR1 is using a resolution your TV doesn't support	Push the HDMI button on the remote to change HDMI display resolution.
No picture or sound	HDMI or video/audio cable not connected	Check HDMI or video/audio cable connections
Program stopping during record or playback	USB device not fast enough.	USB device should be USB 3.0
Tuner locks up	Tuner software crash	Unplug the tuner, wait 30 seconds, then plug it back in.

TUNVR1 IB 01