



IPTV User's Guide

Entone and Universal Remote Control Menu, Channel Guide and Settings Digital Video Recorder Video on Demand

Wireless Network Name & Password (Case sensitive - alpha characters are all capitalized):

Network Name or SSID: _____ (from Zyxel modem 12-digit alpha & numeric MAC Address)

Network Password or Security Key: _____ (from Zyxel modem 13-digit alpha & numeric serial number)

This password is for wireless Internet access; for computers, laptops, iPads, electronic book readers, gaming devices, mobile phone Wi-Fi access and other wireless devices.

Default system logon Password: 1234

This password may be required after a system upgrade or if the "Welcome" logon screen appears.

VOD 4-digit numeric Purchase PIN Number: _____

This password is for renting Video on Demand movies and events.



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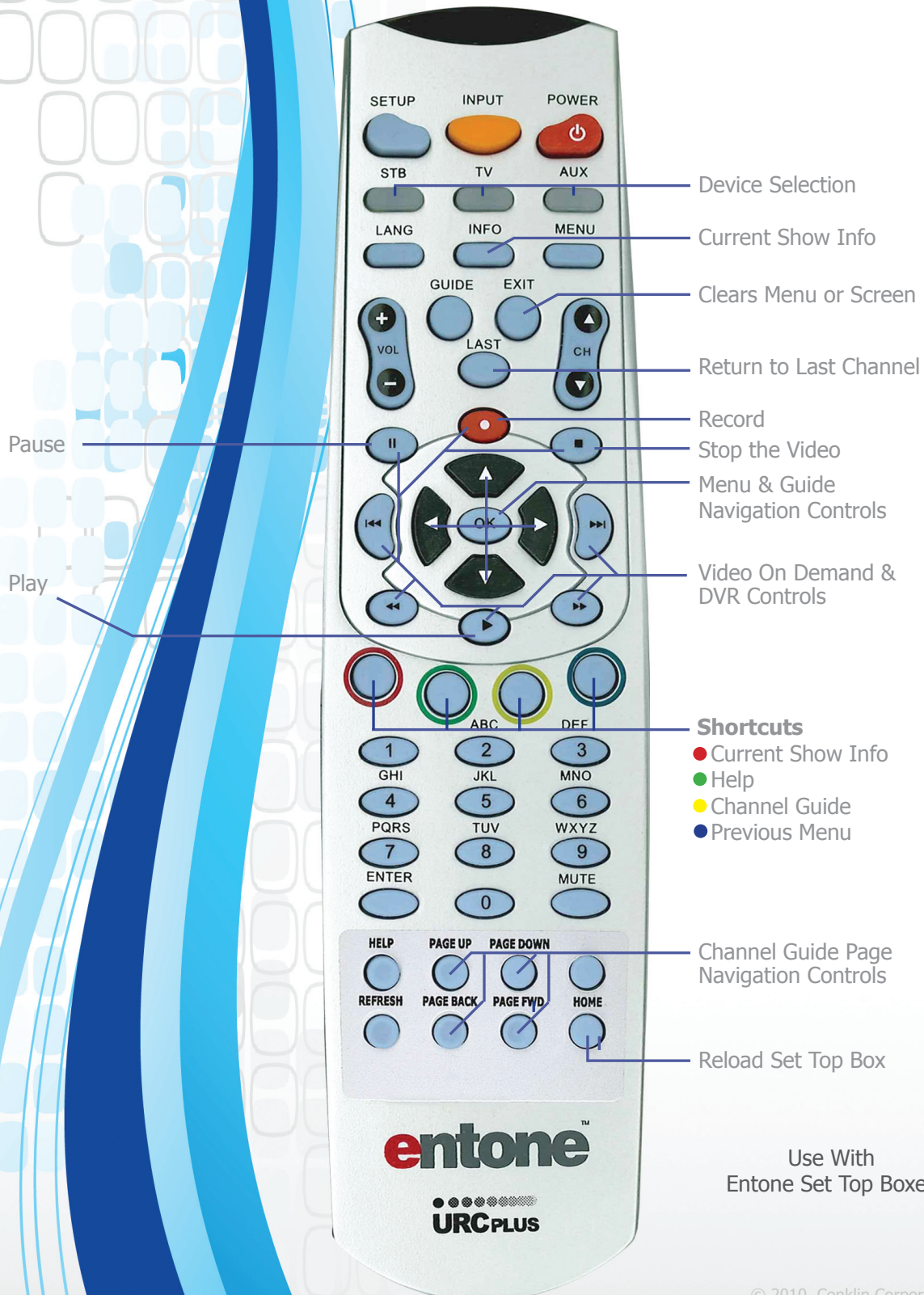
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Appendix A - Entone Remote Device Codes

TV and Device Codes - Universal Remote Device Codes


































XIT Communications' IPTV service provides you with MORE of what you enjoy...
MORE news, weather, sports, children's channels, music, movies, drama and
programming for all audiences. If you love to be entertained, you'll love **XITv**



Use With
Entone Set Top Boxes

ENTONE REMOTE CONTROL BUTTON FUNCTIONS

BUTTON		FUNCTION
BLUE SETUP BUTTON		Used for programming the remote functions.
ORANGE INPUT BUTTON		Used to locate video stream input source or as directed by XIT personnel.
	POWER	Power on/off the TV and STB.
	STB	Activate the set top box (STB) mode on the remote control.
	TV, AUX	TV = TV AUX = Activate alternate modes on the remote control.
	LANG	Not an active button at this time.
	INFO	Displays current show information.
	MENU	Display the Main Menu.
	GUIDE	Display the interactive Channel Guide.
	EXIT	Clear the menu or screen.
	LAST	Return to previous TV Channel.
+ / -	VOL	Raise or lower TV volume.
+ / -	CH	Change the channel number up or down.
MENU NAVIGATION		
	ARROW	Navigate among selectable items on the screen.
	OK	Select a highlighted item.
CHANNEL GUIDE CONTROLS		
	CH UP/DOWN	Change the channel number up or down.
	CH BACK/FWD	Display previous or next channel time period.
	REWIND/FAST FWD	Jump to previous or next day.
VOD/RECORDED PROGRAM (DVR) CONTROLS		
	PLAY	Play video. Resume normal play from Rewind, Fast Fwd, or Pause .
	STOP	Stop video.
	RECORD	Record a program. Press red button with white dot then OK > OK to record.
	PAUSE	Pause the video or recorded program. (Press  to resume where you paused).
	REWIND	Rewind video or recorded program.
	FAST FWD	Fast forward through video or recorded program. Press repeatedly to increase speed. In the channel guide fast forward will display the next day.
SHORTCUTS		
	INFO	Display current show information.
	HELP	Not an active button at this time.
	CH GUIDE	Channel Guide
	PREVIOUS	Must be in a menu or window, this is a "Back" button. Displays previous menu or window.
NUMBER BUTTONS		
1, 2...0	NUMBER	Select channel or enter login password.
	MUTE	Mute the volume. Press again to resume previous volume setting.
LAST TWO ROWS (where sticker has been applied)		
	HELP	Display HELP.
	PG UP/DOWN	Display previous or next group of channels
	PG BACK/FWD	Display previous or next time period.
	HOME	Reload the set top box.
	REFRESH	Not an active button at this time.



ENTONE REMOTE

Programming Instructions

A brand new ENTONE remote control must first be registered with the set top box (STB) before it can be manually programmed to a specific TV. Program Remote # 1 to channel 10 or the HD Stream, Remote # 2 to channel 23 and Remote #3 to channel 39.

REGISTER REMOTE TO STB – In front of ENTONE Set Top Box:

1. Press and hold for 10 seconds the “STB” button on remote while pressing “OK” button on the front of the ENTONE set top box. When releasing the “OK” button, the ENTONE set top box front panel will display “RC REG” to indicate registration mode. The “STB” button will stay lit once the button is released.
2. Press “STB” once. The “STB” & “AUX” buttons will light to indicate that the remote control is in registration mode.
 - Register the #1 Remote by pressing 1 on the remote.
 - ***The “STB” button will blink twice to indicate the registration process was successful.***
 - Register each remote in the same manner.
 - Press “2” on the #2 remote to register and press “3” on the #3 remote to register.

MANUALLY PROGRAM TO TV or Device – Be in front of specific TV:

1. Turn on TV and tune to correct channel.
2. Press “TV”
3. Press and hold “SETUP” until TV button blinks twice.
4. Enter 4 digit code from Appendix A.

AUTO PROGRAM – Use this method if TV or device code is not available or did not work:

1. Turn on TV and tune to correct channel.
2. Press “TV”
3. Press and hold “SETUP” until TV button blinks twice
4. Press “POWER” then “CHANNEL UP” one time.
The remote will go through a code every 5 sec. To speed up the process, arrow up until the TV shuts off.
5. Press “OK”.

SET POWER BUTTON- In front of specific TV using the corresponding remote control:

1. TV should be ON.
2. Press “STB”
3. Press and hold “SETUP” until STB button blinks twice
4. Press “POWER” then “1”

TO SET AUTO-LOGIN – This will enable Auto-Login, so a password is not required when TV is turned on:

1. Press “MENU”
2. Press “OK” on Settings
3. Press “OK” on Account
4. Press “OK” on Auto Login
5. Press “OK” twice (1 time to set & 1 time to confirm)
6. Press “EXIT” 3 times





































Available TV Remotes

XIT Communications' IPTV service provides you with MORE of what you enjoy...
MORE news, weather, sports, children's channels, music, movies, drama and
programming for all audiences. If you love to be entertained, you'll love **XITv**



Universal
Use With Any
Registered Set Top Box

UNIVERSAL REMOTE BUTTON FUNCTIONS

BUTTON		FUNCTION
System ON/OFF		Powers off the STB and all devices programmed to the remote.
	POWER	Powers on/off whatever device mode that is currently activated. For example, if the remote is activated for the TV it will power on/off the TV. If activated for the DVD or VCR it will power them on/off.
	STB	Activate the set top box (STB) mode on the remote control.
	AUX, DVD, VCR, TV	Activate alternate modes on the remote control.
	GUIDE	Display the interactive Channel Guide.
	HELP	Display HELP.
	INFO	Display current show information.
	EXIT	Clear the menu or screen.
	MENU	Display Main Menu.
+ / -	PAGE	Channel Guide page up and page down.
MENU NAVIGATION		
	OK/SEL	Select a highlighted item.
	ARROW	Navigate among selectable items on the screen.
SHORTCUTS		
A 	CH GUIDE	Channel Guide
B 	PREVIOUS	Display previous menu or window.
C 	INFO	Display current show information.
D 	HELP	Display HELP.
CHANNEL GUIDE CONTROLS		
+ / -	PAGE	Channel Guide page up and page down.
	ARROW	Up/Down/Back or Forward one channel or time at a time.
	VOL	Raise or lower TV volume.
	CH	Change the channel number up or down.
	MUTE	Mute the volume. Press again to resume previous volume setting.
	LAST	Return to previous TV channel.
	GUIDE	Channel Guide
VOD/RECORDED PROGRAM (DVR) CONTROLS		
ON Demand Button		Not an active button at this time.
PAGE BACK & FORWARD		Not active buttons at this time.
	HOME	Reload Set Top Box.
SKIP BACK & FORWARD		Not active buttons at this time.
Green DVR Button		Not an active button at this time.
	REPLAY	Not active buttons at this time.
	FWD	
	REW	Rewind video or recorded program.
	PLAY	Play video. Resume normal play from Rewind, Fast Fwd, or Pause.
	FF	Fast forward through video or recorded program. Press repeatedly to increase speed. In the channel guide fast forward will display the next day.
	STOP	Stop video.
	PAUSE	Pause the video or recorded program. (Press  to resume where you paused.)
	RECORD	Record program to a DVR. Press Red Rec button then OK > OK.
NUMBER BUTTONS		
1, 2...0	NUMBER	Select channel or enter login password.
OTHER		
	VIDEO SOURCE	TV video source. In TV mode press video source to display which video stream you are on.
+ / -	CH	Channel Guide page up and page down.
	LIGHT	Will backlight the keypad for use in the dark.



UNIVERSAL REMOTE

Programming Instructions



The universal remote control is used with the CISCO 330 and CISCO 430 set top box (STB). A new universal remote needs to be programmed to both the set top box (STB) and to the TV or other device. This remote can be programmed for use with more than one device. It can be programmed for the TV, DVD, VCR, or use the AUX button to program other devices. The quick programming instructions can also be found on the back of the Universal Remote. **The device keys or buttons are located along the top row of the remote. You must be in front of the STB and the TV or other device when programming the remote.**

Programming the remote to the STB box programs the remote to control the channel up/down and other remote control button functions like guide, menu, last, exit, etc. Programming the remote to the TV will allow the remote to control the TV power on/off function and the volume up/down.

1. Program the Universal Remote to the STB:

These instructions apply for both the Cisco 330 and Cisco 430 set top boxes.

- Power on the set top box.
- Press and hold the STB button and the OK/SEL button until the STB button lights.
- Press 251 on the number key pad, and then press the STB button to store the code.

2. Quick Programming the Universal Remote to the TV:

- Turn on the TV you want to program.
- Press the TV button and the OK/SEL button until the TV button lights.
- Press the CH+ (Channel up) until TV turns off, then release. (This can take **several** seconds. Please keep going it will take awhile. You can press and hold the channel up button and this will go faster, but you need to pay close attention and release as soon as the TV powers off.)
- Press the TV button to store the code.

3. Quick Programming the Universal Remote to other devices:

- Turn on the device you want to program (DVD, VCR, etc.)
- Press and hold the device button and the OK/SEL until the device button lights.
- Press and hold the CH+ (Channel Up) until the device turns off, then release.
- Press the device button to store code.

4. Manually Programming the Universal Remote using device codes:

- Using the **"TV and Device Brand Codes"** find the 3-digit device code or codes for the appropriate device (TV, VCR, DVD, AUX, etc.) that the remote is being programmed to.
- Turn on the device you want to program.
- Press the device button and the OK/SEL button until the device button lights.
- Using the number key pad enter the 3-digit device code from step number 4 a.
- If none of the device codes provided in the **"TV and Device Brand Codes"** work for your particular device, use the **Quick Programming** method detailed in step 1 or 2 above.

Note: The system on/off button on the universal remote will power on/off all devices programmed to the remote.



IPTV User's Guide

ENTONE & UNIVERSAL Remote Controls

Just the basics...

STB = Set Top Box; DVR = Digital Video Recorder; VOD = Video on Demand (movies)

ENTONE REMOTES – used with Hydra (3-stream STB) and Amulet (single stream STB):

POWER ON = Press **POWER** button for two seconds – this powers on the TV and STB

POWER OFF = Press **POWER** button for two seconds – this powers off the TV and STB

NOTE: Some ENTONE remotes have been programmed to use the following sequence to POWER ON/OFF the TV: **TV/POWER/Wait for Picture/STB button or simply TV/POWER to turn on and off the TV.** To set these REMOTES to use only the **POWER button** do the following:

**Press STB > Press and hold SETUP until STB blinks twice > Press POWER > Press 1
Repeat this step for all REMOTES.**

*ENTONE remotes are RF, which means they use **radio frequency** to operate. This means these remotes operate in a similar manner as the Next Level remotes. The customer does **NOT** need to be directly in front or point the remote directly at the ENTONE set top box in order to work.*

UNIVERSAL REMOTES – CISCO 330 and 430 single stream boxes:

The **POWER** button controls whatever device (TV, DVD, VCR, etc.) has been selected or has been programmed to the remote.

Power Button: Turns **on/off** only the device previously selected from the device buttons below the power button. **Example: to power on the TV, press TV button then POWER.**

System On/Off Button: Turns **on/off** the TV, STB and any other device programmed to the remote (i.e. Blu-Ray Player, DVD, VCR, gaming, etc.).

To Power on other devices programmed to the Universal Remote, press the appropriate device button then the power button.

UNIVERSAL REMOTES are IR, which means they use **infrared** to operate. The UNIVERSAL remote **does require** the customer to be in front of the set top box and point the remote directly at the STB. So, line of sight is required.

The Cisco 330, Cisco 430 and ENTONE Amulet are all single stream boxes and can only provide service to one TV at a time.

Basic Menu, Guide and Settings Information

Navigate menus using the **arrow keys** and the **OK/SEL button** to select or toggle options.

Main Menu

My Guide = My Channels (the channels that the customer subscribes to)

Search = Search Guide

My DVR = DVR Menu

VOD = Video on Demand, Movies and Event Categories

Weather = Dalhart and Texas Weather

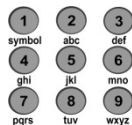
My Services = News, Caller ID

Settings = Account, Preferences, Help

Logout = Logout (default password is **1234**)

Basic TV Controls

Change the channel:



Using **Number** buttons, enter the channel number.

~ OR ~



On the **CH (Channel)** buttons, press **+** or **-** to scroll up or down one channel at a time.

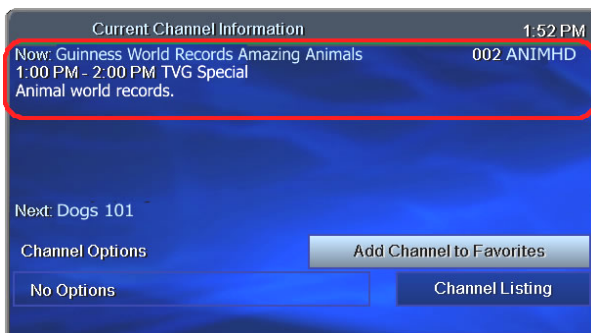
Use **◀▶** = **REW** and **FF** to advance the guide to the next or previous **DAY**.

View Current Channel Information:

See a description of the program you're watching as well as current channel information.



Press the **Red Shortcut** or **INFO** button.



In addition, every time you change the channel, a programming banner displays channel information and a program progress bar.

Progress bar shows transpired broadcast time.



Menu > My Guide = Channel Guide

Press the Guide button once = My Channels

Press the Guide button twice = My Favorites

My Channels = the channels that the customer subscribes to.

My Favorites = the channels the customer has selected as favorites.

Setting “My Favorites” allows the customer to create a separate program guide of the channels the customer watches the most. This channel guide will be smaller and easier to scroll thru to quickly find favorite channels.

How to set up My Favorites:

Method 1: Guide > Scroll to channel > Info > Add to Favorites > OK > OK

Method 2: Menu > Settings > Preferences > Favorite Channels > Scroll thru available channels, highlight the channel, and add by pressing OK. Use the same process to REMOVE from favorites.

How to Search for programming:

Menu > Search > Select Type of programming > Movies, Sports, Series, Kids, News

Menu > Search > Advanced > Search by Genre, Day, Time, Channel, Title > Search

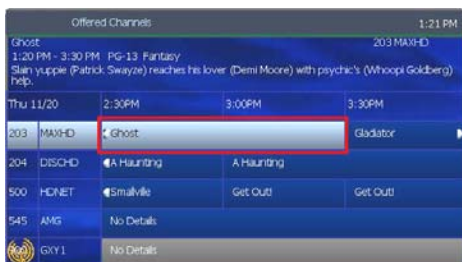
How to Autotune or Autotune Series:

You can set your TV to tune to a later program automatically. Use your remote control to set it up. **Guide > Scroll to selected program > OK > Autotune or Autotune Series > OK (See below)**



Press the **Guide** button to see the Channel Guide.

Press **▷** as many times as needed to see later programming.



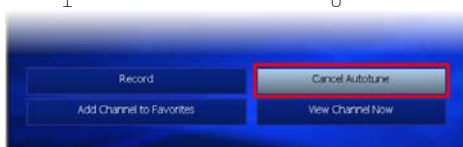
Using arrow buttons (**◀ ▶ ▲ ▼**), navigate to the program you want your TV to tune to later. Press **OK**.



Press **▷** to select **Autotune**. Press **OK**.



In the Channel Guide, a clock icon indicates that the program is selected for Autotune.



To cancel an Autotune selection, navigate to the program, press **OK**, select **Cancel Autotune**, and press **OK** again.

How to use the Quick and Advanced Search features of the Channel Guide:

The IPTV guide offers quick and advanced search features. The quick search allows you to search the guide for current programming by program genre or type. The advanced search feature allows you to search the guide by using search filters such as program title, specific channel, or day, etc.

Quick Search

Menu > Search > then select from Advanced, Movies, Sports, Series, Kids, News



Quick Search

To search for a category of programming—such as movies, sports, series, or kids' programs—press **▽** to make your selection, and then press **OK**.

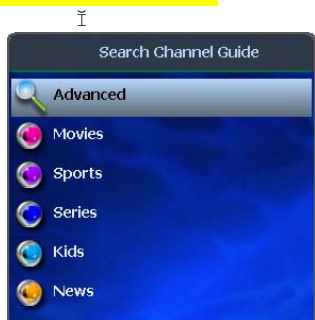


View the **Search Results** of upcoming programs for the category you selected.

Use arrow buttons to select an individual program and see its description at the top of the window.

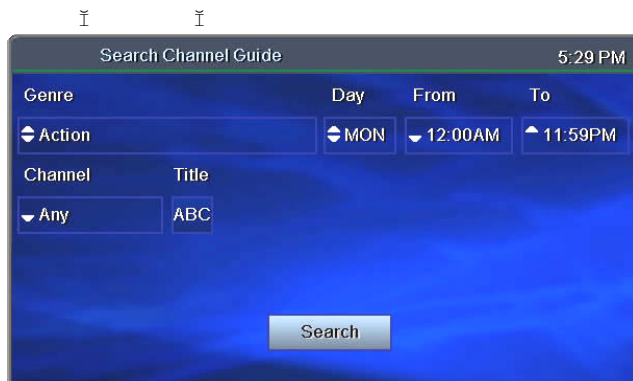
Advanced Search

Menu > Search > Advanced



Advanced Search

To search for specific programming using search filters—such as program title, channel, or day, select **Advanced** and then press **OK**.



Press arrow buttons to select one or more categories: **Genre**, **Day**, **From** (start time), **To** (end time), **Channel**, **Title**.
 Press **OK** to scroll through options in the fields on this screen.



If you search by **Title**, you'll spell the program name in the pop-up keyboard. (Partial spelling is okay.)
 Use arrow buttons to select the letters and press **OK** after each. When you're done, select the check mark and press **OK**.
 In the Search Channel Guide window, select **Search** and press **OK**.



View **Search Results**.
 Press arrow buttons (\triangle ∇) to select a program from the list and see its description at the top of the window.

Menu > My DVR = DVR Menu

Menu > My DVR = DVR Menu. See [Page 11-15](#) for details regarding the MY DVR menu.

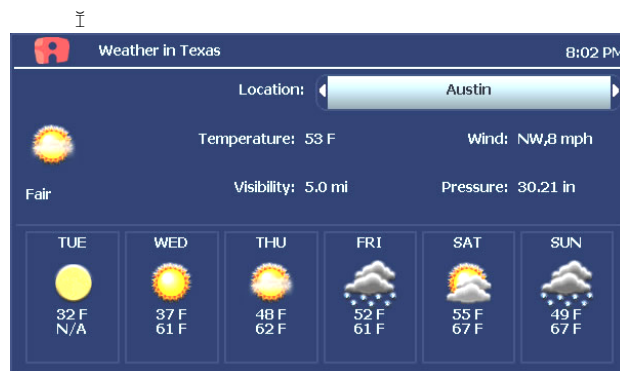
Menu > VOD = Video on Demand Movie and Event Categories

Menu > VOD = Movie Menu. See [Page 16-18](#) for details regarding the Movie menu.

Menu > Weather = Dalhart and Texas Weather

Menu > Weather > Dalhart = Dalhart current weather and six-day forecast

Menu > Weather > Texas > Scroll to city in Texas = View current weather and six-day forecast for location selected.



Press \triangleright to view alternate locations.

Menu > My Services

Menu > My Services > News

The NEWS feature is not operational at this time. If NEWS is selected, the TV will go to a black screen and then go back to the current TV program that was being viewed.

Access your Caller ID by using the My Services menu option. Please [see page 9](#), for additional information on how to set up and check your Caller ID.

Menu > Settings = Account, Preferences, and Help

Menu > Settings > Account menu

Details = Customer's account information.

Activity = Shows estimated pending charges without taxes or fees. It will show pay per view charges for movies/events that have been rented.

Manage Users = The system Manager is established for your account by XIT during the initial activation. This Manager will have a default 1234 password. The Manager can then set up 3 additional users.

Available Subscriptions = Subscription Bundles >

Other Services = Weather and STBPVR may appear check marked based on customer subscription. STB PVR stands for Set Top Box Personal Video Recorder. The check mark indicates that the customer subscribes to DVR services.

xitcomm = lists all available services, with the customer's services check marked.

My Own Subscriptions = Lists only the services that the customer has subscribed to.

Change Password = Change password

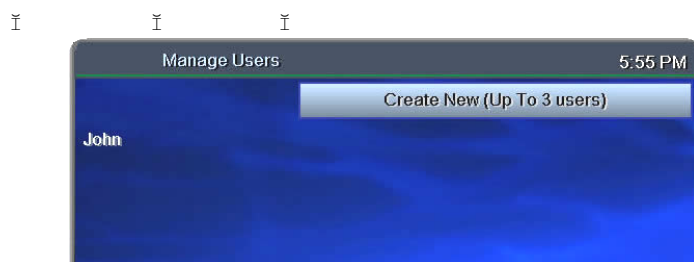
Autologin = By setting Autologin, you disable the login password procedure. By removing Autologin, the login procedure will be enabled.

Purchase PIN = Set Purchase PIN for purchasing movies and events.

Rating PIN = Set Rating PIN for individual users. This is used for setting parental controls


Manage Users – Create additional Users:

Menu > Settings > Account > Manage Users > Create NEW



Access the **Account** menu and select **Manage Users**.

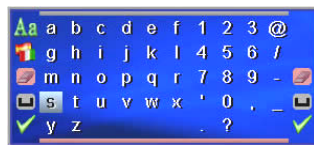
Select **Create New** and press **OK**.

 If you don't see the **Create New** option, it's because your account already has the maximum number of users. Contact Customer Service to add users.

With **ABC** selected, press **OK**. The pop-up keyboard will appear, use arrow buttons to select letters, pressing **OK** after each letter to spell the new user name.

Select the **✓** and press **OK** when the name is completed.

With **ABC** selected, press **OK**.



In the pop-up keyboard, press arrow buttons (< > △ ▽) to select letters. Press **OK** after each letter to spell the new username.

Select the check mark and press **OK**.

Complete the remaining fields:

Ratings:

- ALL - all programs
- TVMA - mature audience only
- R - restricted
- TV14 - parents strongly cautioned
- TVPG - parental guidance suggested
- TVG - general audience
- TVY7 - directed to older children
- TVY - approved for all children

Password	Press number buttons on the remote to enter a numeric password of your choice. [If you make a mistake, press Pg Back (◀) to erase.]
Confirm	Enter the password numbers again.
Rating	Press OK to scroll through ratings. Stop at the highest rating level you want this user to view. Users will need a Rating PIN to view programming higher than the rating you specify here.
Sp.Limit	Press number buttons to enter amount this user may spend per billing period (for VoD, PPV, etc.).
Can(not) Subscribe	Press OK to toggle between Can and Cannot Subscribe . Can Subscribe means this user will be able to add subscription services.

Select **OK** and press **OK** to save settings.

Setting Parental Controls after users are created:

Users must be created before parental controls can be activated:

LOCK user out of TV for a set time:

Menu > Settings > Account > Manage Users > User Name > Locks > OK

Follow on-screen instructions, choosing the lockout period, pressing **OK** to scroll through options. With the fields set, select **LOCK** and press **OK**.

LOCK user out of program /channel:

Menu > Settings > Account > Manage Users > User Name > Locks > Channel Locks > OK >

*The channel guide will appear on screen, scroll to select program or channel that needs to be locked. You will then have the option to: **LOCK PROGRAM** or **LOCK CHANNEL** or **CANCEL**.*

Make the appropriate selection and press OK.

LOCK user out of TV indefinitely:

Menu > Settings > Account > Manage Users > User Name > Locks > Lock NOW > OK

This user is now blocked from logging in. To unlock the user, repeat these steps, except select **Unlock Now**.

Change Password:

Menu > Settings > Account > Change Password

Access the **Account** menu and select **Change Password**.

Complete the fields:

Old – Use number buttons to enter old password.

New – Use number buttons to enter new password.

Confirm – Enter the password numbers again.

Press ∇ to select **OK**.

Press **OK**.

How to set Autologin:

Menu > Settings > Account > Autologin > OK > OK

Do this for each video stream.

Autologin is normally disabled at the time of installation. If Autologin is enabled, a password will be required each time the TV is turned on.

Activate PIN Protection:

There are two types of optional personal identification numbers (PINs): Purchase PIN allows secure purchase of services, movies, etc. and a Rating PIN allows for parental controls.

How to Set Purchase PIN:

A Purchase PIN is required for purchasing Video on Demand Movies/Events.

Menu > Settings > Account > Purchase PIN

Access the **Account** menu and select **Purchase PIN**.

Complete the fields:

New PIN – Use number buttons to enter 4-digit numeric PIN.

Confirm new PIN – Enter the PIN again.

Password – Enter your 4-digit numeric password.

Enable PIN Protection – Press **OK** to select Yes or No. (Will appear only if PIN Protection is activated.)

Click **Apply** and press **OK**.

How to Set Rating:

A **Rating PIN** allows a user to view programming with a higher rating than the rating specified when the user was created.

Menu > Settings > Account > Rating PIN



Access the **Account** menu and select **Rating PIN**.

Complete the fields:

New PIN – Use number buttons to enter the 4-digit numeric PIN.

Confirm new PIN – Enter PIN again.

Password – Enter your 4-digit numeric password.

Enable PIN Protection – Press **OK** to select Yes or No. (Will appear only if PIN protection is activated.)
If No, then this user cannot view programming with a higher rating under any circumstances.

PIN Protected Rating – Press **OK** to select the highest rating user can view without a Rating PIN.

Select **Apply** and press **OK**.

Example:

John is a 13-year-old user specified with a **TV-14** rating. His parents also assigned John a PIN-protected rating of **R**.

The following rules apply to John:

PIN-Protection enabled (option 'Yes')	<ul style="list-style-type: none">✓ May view programming as high as TV-14 without PIN✓ May view R with PIN✓ May not ever view higher than R
PIN-Protection disabled (option 'No')	<ul style="list-style-type: none">✓ May view as high as TV-14 only

Menu > Settings > Preferences

How to set up your CALLER ID:

At this time **CALLER ID** is available to customers with IPTV service, if they have been converted to our new soft switch. If you subscribe to **CALLER ID** as part of a bundled service package or as an individually priced additional feature, the **CALLER ID** will appear on your TV screen. To activate **CALLER ID** on your system, please follow these steps:

Menu > Settings > Preferences > Alerts* > Phone > OK (✓ will appear) > APPLY > OK

*If Alerts does not appear as an on-screen option, contact XIT to verify your subscription to Caller ID and that the feature has been properly provisioned on your account. After receiving verification from XIT, go to the **Main Menu and Logout**. Log back on when the blue welcome screen appears by entering the default password 1234 or password that has been set by customer and press OK/SEL to log back on. Then, repeat **Menu > Settings > Preferences > Alerts > Phone > OK (✓ will appear) > APPLY > OK**.

How to check your CALLER ID:

Menu > My Services > Calls > ALL

This will bring up the phone numbers that have called the customer's number.

How to clear the calls on your CALLER ID:

Menu > My Services > Calls > Select an entry > Delete Entry or Clear List are the options.

How to set the Language:

Menu > Settings > Preferences > Menu Language > English > OK

Menu > Detalles > Preferencias > Menu Idioma > Espanol (us) > OK

How set Appearances:

Menu > Settings > Preferences > Appearance

Change the color scheme, font size, font bold or regular, etc.

Appearances is also where you can activate the on-screen Help Bar. Both the Help Bar and the Full Screen Graphics need to be turned on. APPLY will save the settings.

How to set Favorite Channels:

The Preferences Menu offers an alternate method for setting your favorite channels.



Select Menu > Settings > Preferences > Favorite Channels.

Click a channel in the left column to add it to your Favorites list.

Click a channel in the right column to remove it from your Favorites.



Add as many Favorite channels as you like—there is no limit.

Menu > Settings > Help

Help is all about the remote control keys, what the different keys do and how to navigate with the remote control keys. The 'HELP' keys do not offer any troubleshooting information.

Remote Control Keys = Explains the different keys on the remote control.

Channel Tuning – Channel Listing = Remote Control Keys for tuning channel and volume

Quick Keys – Navigational and Scrolling = Quick Keys

Channel Guide = Remote Control Keys to navigate the channel guide

Network PVR = Remote Control Keys (keys for use with DVR & VOD)

Movies = Remote Control Keys for renting movies

Favorite Channels = Remote Control Keys for adding or removing 'Favorites'

Menu > Logout

Menu > Logout will log you off the system. The screen will go black for a few seconds then the blue welcome screen will appear, so you can log back on.

Log back on using the 1234 (default password) or password that has been set by customer.



Enter password and press OK/SEL – if you enter the wrong password it will display a message in yellow that the wrong password was entered.

IPTV Feature - DVR & Pause Live TV

Menu > My DVR = DVR Menu

General Information

DVR = Digital Video Recorder

Pricing - \$9.95 per month per household

DVR is available for both High Definition (HD) and Standard Definition (SD) TV service.

Recording and Deleting DVR Programs

How to record a single program:

To record a program you are watching:

Press Red Record Button > OK > OK

To record a program that you are not currently watching:

Guide > Select a program > OK > RECORD > OK

How to record a series:

Guide > Select a program > OK > RECORD SERIES > Settings > RECORD SERIES > OK

It is very important to set the "Keep at Least" (all episodes or 1-7 episodes) and "Record Episodes" (New or Rerun episodes) settings. The default setting for "Keep at Least" is "Last 1 Episode" and the default setting for "Record Episodes" is "New only".

Example: Customer wants to record "American Idol" which runs on two consecutive nights. They will need to change the "Keep at Least" setting to ALL or more than 1 episode. If not the DVR will record the first night and will only retain that episode until the next day when the second night records.

Settings Screen will display the following options:

- "Start offset (min)" – Allows the customer to set the number of minutes to start recording before the program is scheduled to start.
- "End offset (min)" – Allows the customer to set the number of minutes to continue recording after program is scheduled to end.
- "Keep at least" – Allows the customer to set the number of episodes to store. The options are ALL or 1-7 episodes. Use the OK/SEL button to toggle between options.
- "Record Episodes" – Allows the customer to set the option to record NEW episodes, or NEW and RERUN episodes. Use the OK/SEL button to toggle between options.
- Click on Record Series > OK

How to replay a recorded program or series:

Menu > My DVR > Recorded > Select by date or title > Select program > START > OK

How to delete a recorded program:

Menu > My DVR > Recorded > Select by date or title > Select program > REMOVE > OK

How to delete ALL recorded programs:

Menu > My DVR > Recorded > Select by date or title > Select program > REMOVE ALL > OK

This will REMOVE all recorded and scheduled programs. It will completely clear the DVR. It does take a few minutes for the process to complete.

Two programs cannot be recorded during the same time period:

If you start recording a program on channel A and then go to channel B and try to record a program at the same time, you will get the following message once you attempt to record the second program during the same time period.

“The program you want to record overlaps with other programs to be recorded.”

RESOLVE CONFLICT or CANCEL will be your options.

If you select RESOLVE CONFLICT – you will have the option to REMOVE recording A to add B or CANCEL.

Remote Control DVR buttons:

To record use the red button with white dot on the ENTONE remote and use the white button with the red dot on the UNIVERSAL remote.

▶ = Play

II = Pause

■ = Stop

REW and FF for rewind and fast forward on the Universal remote.

◀ ▶ = REW and FF on the ENTONE remote.

How do the Entone & Universal Remotes differ in regard to button functions for DVR?

Both remotes have record, pause, play, rewind, and fast forward buttons. They just look different and are placed differently on the remotes. The steps to navigate within the on-screen guide, menu and My DVR menu are the same. ***Note: the green DVR button on the Universal remote is not operational at this time.***

Navigating the DVR Menu

When working within any menu you will use OK/SEL to select or toggle menu options. Use the blue shortcut “back” (B) button or the EXIT button to return to the previous menu.

Main Menu > My DVR

Select a menu option and follow on-screen instructions.

Menu > My DVR > Recorded – By date or by title:

This will detail what has been recorded by either date or title. To view any of these recordings, scroll to the desired recording and select using the OK/SEL button. The **Select Action** window will appear with the following options:

Select Action:		
Remove	Start	Cancel
Remove All	Resume	Settings

Scroll to the desired action and select using OK/SEL.

- **Remove** = Erase the selected program from the recorded list.
- **Remove All** = Erase all programs in the recorded and scheduled list. Clears out the DVR.
- **Start** = Start the recorded program at the beginning.
- **Resume** = Continue to play the program if it has already been started.
- **Cancel** = Returns you back to the previous screen that lists all recorded programs.
- **Settings** = Change recording preferences like “Start offset, End offset and Keep until” options.
 - **“Start offset (min)”** – Allows the customer to set the number of minutes to start recording before the program is scheduled to start.
 - **“End offset (min)”** – Allows the customer to set the number of minutes to continue recording after program is scheduled to end.
 - **“Keep until”** - Allows for 2 options:
 - 1. Until space needed.
 - 2. Until I delete.
 - Use the OK/SEL button to toggle between the options and then APPLY to save the settings.

Menu > My DVR > Scheduled – By date or by title:

*This will detail what has been scheduled to record by either date or title. To view any of these recordings, scroll to the desired recording and select using the OK/SEL button. The **Select Action** window will appear. Scroll to the desired action and select using OK/SEL. **If the program is scheduled, but not recorded yet the Start and Resume will not be available.***

Menu > My DVR > Series:

*This will detail what TV series have been recorded or are scheduled to be recorded by the name of the program. To view any of these recordings, scroll to the desired recording and select using the OK/SEL button. The **Select Action** window will appear. **If the program is scheduled, but not recorded yet the Start and Resume will not be available.***

Select Action:		
Remove	Start	Cancel
Remove All	Resume	Settings
Interrupt		

Scroll to the desired action and select using OK/SEL.

- **Interrupt** = This will keep the series already recorded, but stop recording future episodes.
- **Settings** = Settings for a series include the following options.
 - **“Start offset (min)”** – Allows the customer to set the number of minutes to start recording before the program is scheduled to start.
 - **“End offset (min)”** – Allows the customer to set the number of minutes to continue recording after program is scheduled to end.
 - **“Keep at least”** – Allows the customer to set the number of episodes to store. The options are ALL or 1-7 episodes. Use the OK/SEL button to toggle between options.
 - **“Record Episodes”** – Allows the customer to set the option to record NEW episodes, or NEW and RERUN episodes. Use the OK/SEL button to toggle between options.
 - **Click on Record Series > OK**

Menu > My DVR > Manual Recordings:

This will detail what is scheduled to record by either date or title. View these recordings in the same way other recordings are viewed. A manual recording is a recording that is created by using the “Set Manual Recording” option.

Menu > My DVR > Set Manual Recordings:

Manual recordings let the customer specify the time, channel, and/or date to record without using the channel guide. For example the customer may want to record one channel for an entire evening. Follow on-screen options for Channel; From/To (hour/min); Repeat; Period start (month/day). The customer can also name the recording and save it using SET.

Menu > My DVR > Default DVR Settings:

Use this option to pre-set your recording preferences for the following types of recordings:

*Series Recording
Single Series Episode
Movies
Show
Sports
Manual Recording
Other*

Menu > My DVR > Priorities:

Only one program can be recorded during a time period. Use the priorities option to choose which program to record if more than one is scheduled during the same period. In case of conflict, items with higher priority will be recorded. To increase an item’s priority, select it and press OK. To lower an item’s priority, select it and press red/info.

Menu > My DVR > Failed – By date or by title:

Lists recordings that failed by date or title.

Menu > My DVR > All – By date or by title:

Lists all recordings by date or title.

The following icons show the status of each recording. The scheduled icon will display in the channel Guide.



Completed successfully



Unsuccessful



In progress



Scheduled

Time Shifted TV (Pausing Live TV)

How to pause live TV:

Press Pause (II) - This will pause the program you are watching. To resume the program from the point where it was paused hit **Play (▶)**.

For example: you are watching TV and the door bell rings...if you press pause, when you get back to the TV, press play and you will start right where you left off. **You can rewind to the point in the broadcast where you pressed pause and if you are away for several minutes you will also be able to FF thru any commercials that would have buffered. If you want to go to the live broadcast at any point press ■ STOP.**

Press Pause (II) > wait a few minutes > then Play (▶) to begin Time Shifted TV.

This will start the buffering of the program and allow the customer to rewind live TV and skip any commercials that have been buffered.

IMPORTANT!

Changing channels during time shifted TV will end the buffering of the program that had been paused and will erase the live programming that had previously been buffered. So if you change channels, after pausing live TV you will no longer be able to rewind the live program. Simply hit PAUSE and then PLAY again to re-start the buffering that will allow you to pause and rewind live TV.

IPTV Feature - Video on Demand

VOD (Movies) Menu

General Information:

1. **Pricing** - Varies depending on the type of movie or event selected for viewing.
2. **Purchase PIN** – **A purchase PIN must be entered in order to rent a movie or event.** A purchase PIN must be set up on each set top box in the home. The same purchase PIN and password can be used for all set top boxes.
3. **Movie Preview** - Preview a movie by watching the movie **TRAILER**, which is a 5 minute clip of the movie or read a summary of the movie **PLOT** before renting.
4. **Viewing Time** - Once a movie has been rented, it is available for viewing for 24 hours. It can be viewed multiple times during the 24 hours from the time it was rented. If the movie was selected from the 2-Day Movie Rental category, it can be viewed multiple times within the 2-Day rental period.
5. **XX Adult Movies** – There is **NO TRAILER** to view for adult movies. The customer can read a summary of the plot before renting, but once the movie is purchased there is **NO CANCELANATION FEATURE.**
6. **Genre** - Is the type of movie category such as family, drama, horror or just in.
7. The **JUST IN** genre/category will often times be the newest movies.

Menu > VOD > Movies > Just In

The category “new releases” will also be newer movies.

How to set Purchase PIN (see page 8 for more details):

Menu > Settings > Account > Purchase PIN

Set a 4-digit numeric PIN number, confirm the PIN number and set up a PASSWORD. The PURCHASE PIN and PASSWORD cannot be the same 4-digit number. Click APPLY to complete the purchase pin set-up. A Purchase PIN must be set up for each STB in the home.

How to RENT a Movie or View Trailer:

Menu > VOD > Movies > Select a Movie Category > Select Movie

Once the movie has been selected the movie window will display the Director, Actor, Movie Genre, Rating, and the Price.

The following options will be available:

Rent – Begin the steps for renting the movie.

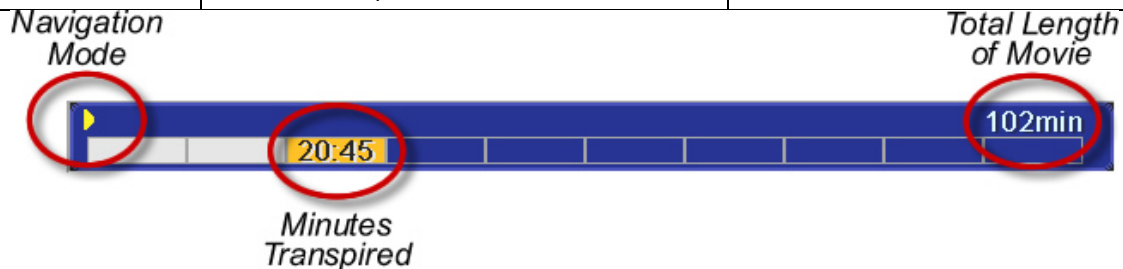
Plot – Read a summary of the movie plot.

Trailer – View a 5 minute trailer of the movie.

Navigating in a Video on Demand (VOD) Movie:

When you navigate with the remote control in a VOD movie, the **Progress Bar** (below) appears.

Button	Function	Progress Bar Indication
Play (▶)	Start or resume the movie.	Shows current place in the movie by section and minute (mm:ss).
Stop (■)	Pause the movie. Press ▶ to resume.	Shows the section and time (mm:ss) where paused.
Pause ()	Pause the movie. Press ▶ to resume.	Shows the section and time (mm:ss) where paused.
Rewind / Fast Fwd (◀ / ▶)	Rewind / fast-forward the movie. Press repeatedly to increase speed.	Indicates Rewind or Fast Forward mode and rate; 2x = twice as fast as Play speed, 4x = four times as fast, and so on.
Number keys (0–9) OR arrow keys (◀ ▶)	Skip among the ten movie sections. Number keys: Press the number of sections to skip over; for example, press 6 to start at section 7 of the movie. (0 takes you to the beginning.) Arrow keys: Press right or left arrow key (◀ ▶) to skip forward or back among movie sections; press OK .	Shows the selected movie section and minutes transpired in the movie (mm:ss).
Menu (MENU)	View Progress Bar.	
Exit (X)	Hide Progress Bar.	
Back (◀)	Exit the VOD movie and return to regular programming. <i>To return to the VOD movie, press Menu and select the movie as you did when you rented it.</i> Movies are available for viewing during the 24 hours after purchase.	



Navigating the VOD (Movies) Menu

When working within any menu you will use **OK/SEL** to select the menu options. Use the blue shortcut "back" (B) button or the **EXIT** button to return to the previous menu.

Main Menu > VOD

Menu > VOD > Search = Search movies by genre, rating or category. From **Search**, the **ADVANCED Search** feature will allow you to refine your search by movie title, last name of the director, or actor.

To search for a specific movie title using the Advanced Search:

Menu > VOD > OK > Search > OK > Advanced Search > OK > ABC > OK using the remote control keypad, use ◀▶▶▶ to move from letter to letter on the on-screen keyboard. Use the **OK** button to select a letter. Select the green checkmark ✓ to save the title. **SEARCH** will now be highlighted, press the **OK** button on the remote to begin the search. Click on the movie title to **RENT**, read the **PLOT** or view **TRAILER** (preview).

Menu > VOD > Rented Movies = Lists movies that have been rented and allows the movie to be viewed again. Highlight the movie, select by using OK/SEL and press play to view the rented movie again during the 24 hour rental period.

Menu > VOD > Events = Mature Events, Ring Sports, Specials, Uncensored

Menu > VOD > Free on Demand =

Caught on Demand

HD = Golf TV

Kids = Kids Unlimited and Ninos Central

Kids Unlimited = Preschool, Storyland, and Toon Time

Ninos Central = Spanish children's programming

Music = Karaoke

Karaoke is FREE and fun entertainment for your family and friends.

Menu > VOD > Free on Demand > Music > Karaoke > Select Type of Music > Select Song > Rent > Enter PIN # to BUY at no charge. *At the end of the selection you will have the option to restart or exit. Continue to exit until you reach the desired menu or TV program screen.*



Menu > VOD > HD on Demand =

Golf TV

HD Events

HD Movies = All movies that are available in HD are listed here, including JUST IN movies that can be viewed in high definition.

Menu > VOD > Local = Local programming

Menu > VOD > Movies = Select the type of movie you are interested in and view all available movies in that particular category. *Movie categories are subject to change, some will be short term promotional categories for a particular type of movie.*

2 Day Rental

Action

All Movies

Animated Heroes

Comedy

Drama

Library – Action, Comedy, Drama, Family, Horror Sci-Fi

New Releases – Action, All Movies, Comedy, Double Features, Drama, Family, Horror Sci-Fi

En Espanol

Extras

Family

Horror Sci-Fi

Jacka\$\$ Movies

Just In

Menu > VOD > XX Adult = Lists all the Adult category movies

Troubleshooting ITPV

SYSTEM REBOOT

Q: What is a reboot?

A: Unplugging the set top box from the electricity.

When a customer needs to do a reboot, all TV's connected to the set top box that is going to be rebooted should be turned ON before the set top box is unplugged from the electricity. Once the system comes back up make sure all streams are working, and then turn off each TV.

Q: When should a customer do a reboot?

A: Reboot the system when all other methods of resolving the issue have failed.

B: Reboot the system after the customer has added services such as premium channels, DVR or HD, etc. The reboot will need to be done after the new services are provisioned or as directed by XIT.

Trouble Issues:

If you experience problems with any of your services, please contact XIT immediately to report the trouble. It is very important when reporting trouble with your IPTV service that you provide as much information as possible about the issue you are experiencing and please provide the **CHANNEL or CHANNEL NUMBERS** that you are having problems with.

These issues need to be reported to XIT as soon as possible:

Picture Tiling ('little boxes', digitizing, pixilation)

Picture Freezing

Audio Freezing

Channel Freezing

Video Stream Freezing

Poor Picture Quality (snowy, grainy, fuzzy, or blurry)

IPTV Set Top Box has to be rebooted too often

Can't Change channels – often this issue can be resolved by pressing the STB button on the remote. This should re-sync the remote to the set top box. If this does not resolve the issue please contact XIT.

XIT is committed to providing you with the best TV experience ever! Please call us anytime you experience any problems with any of your services.

Dalhart Customer Care
806-244-3355

Dalhart Headquarters
806-384-3311

Stratford Customer Care
806-366-3355

Internet Help Desk
1-800- 687-0780

Repair and Trouble Reporting
806-244-0811
888-858-0886 (Toll Free for out of area)

Appendix

Appendix A – Device Code

Your URC Plus can control many brands and models of television, VCR, DVD and other types of audio-visual equipment. The following pages list device codes for many categories and brands of equipment. You may need to test several codes to find the best match for your equipment. Your equipment may be supported even if your brand is not shown in the list below. If you cannot locate your brand, or none of the listed device codes works, then you may still use the Auto-Search feature to try to locate a suitable device code. Instructions for using the Auto-Search feature is located on page 15 of this guide.

TV

Admiral	0001, 0020
Adventura	0012
Aiwa	0071
Akai	0002, 0018, 0053
Albatron	0013
Alleron	0009
America Action	0023
Amtron	0008
Anam	0023
Anam National	0003, 0008
AOC	0004, 0005, 0006, 0018, 0080
Apex	0021, 0025, 0041
Audiovox	0008, 0023
Aventura	0022
Bang & Olufsen	0031
Belcor	0004
Bell & Howell	0001
Benq	0015, 0083
Bradford	0008, 0023
Brilliant	0028
Brockwood	0004
Broksonic	0023, 0075
Candle	0004, 0006, 0012, 0018
Carnivale	0018
Carver	0019
CCF	0029
Celebrity	0002
Celera	0025
Changhong	0025
Citizen	0004, 0006, 0008, 0018
Clarion	0023
Coby	0076
Colortyme	0004, 0006
Concerto	0004, 0006

Contec	0023
Contec/Cony	0007, 0008
Craig	0008, 0023
Crosley	0019
Crown	0008, 0023
CTX	0082
Curtis Mathes	0000, 0004, 0006, 0018, 0019, 0020, 0053
CXC	0008, 0023
Cytron	0085
Daewoo	0004, 0005, 0006, 0043
Daytron	0004, 0006
Dell	0065
DiamondVision	0032
Dimensia	0000
Dumont	0004, 0011, 0017
Durabrand	0016, 0022, 0023, 0045
Dwin	0020
Electroband	0002
Electrograph	0026
Electrohome	0002, 0003, 0004, 0006
Emerson	0004, 0006, 0007, 0008, 0009, 0022, 0023, 0043
Envision	0004, 0006, 0018
Epson	0081
ESA	0022
Fujitsu	0009
Funai	0008, 0009, 0022, 0023
Futuretech	0008, 0023
Gateway	0026, 0027
GE	0000, 0003, 0004, 0006, 0010, 0034, 0037, 0061
Gibraltar	0004, 0011, 0017, 0018
Goldstar	0004, 0005, 0006, 0007, 0018
Gradiente	0087
Grumpy	0008, 0009, 0023

Haier	0016, 0030
Hallmark	0004, 0006
Harman/Kardon	0019
Harvard	0008, 0023
Havermy	0020
Hewlett Packard	0072
Hisense	0091
Hitachi	0004, 0006, 0007
Hyundai	0014
IMA	0008
Infinity	0019
Insignia	0045, 0084
Inteq	0017
Janeil	0012
JBL	0019
JC Penney	0000, 0004, 0005, 0006, 0010
JCB	0002
Jensen	0004, 0006
JVC	0007, 0010, 0067
Kawasho	0002, 0004, 0006
KEC	0023
Kenwood	0004, 0006, 0018
KLH	0025
Kloss Novabeam	0008, 0012
KTV	0008, 0018, 0023, 0029
LG	0004, 0005, 0013
Logik	0001
Luxman	0004, 0006
LXI	0000, 0006, 0019, 0021
Magnavox	0004, 0006, 0018, 0019, 0038, 0040, 0059, 0064, 0065
Majestic	0001
Marantz	0004, 0006, 0018, 0019, 0040
Matsushita	0024
Maxent	0026

Megapower	0013
Megatron	0006
Memorex	0001, 0005, 0006, 0063
MGA	0004, 0005, 0006, 0018
Midland	0010, 0011, 0017
Mitsubishi	0004, 0005, 0006, 0020
Monivision	0013
Montgomery Ward	0001
Motorola	0003, 0020
MTC	0004, 0005, 0006, 0018
Multitech	0008, 0023, 0029
NAD	0006, 0021
NEC	0003, 0004, 0005, 0006, 0018
Net-TV	0026
Nikko	0006, 0018
Norcent	0080
Olevia	0073, 0079
Onwa	0008, 0023
Optimus	0024
Optonica	0020
Orion	0045
Panasonic	0003, 0010, 0024, 0035, 0047
Penney	0018, 0021
Philco	0003, 0004, 0005, 0006, 0007, 0018, 0019
Philips	0003, 0004, 0007, 0019, 0038, 0040, 0065
Philips Magnavox	0038
Pilot	0004, 0018
Pioneer	0004, 0006
Polaroid	0025, 0077
Portland	0004, 0005, 0006
Prima	0086
Princeton	0013
Prism	0010
Proscan	0000
Proton	0004, 0006, 0007
Protron	0074
Proview	0090
Pulsar	0004, 0011, 0017
Quasar	0003, 0010, 0024
Radio Shack	0018, 0023
Radio Shack/Realistic	0000, 0004, 0006, 0007, 0008
RCA	0000, 0003, 0004, 0005, 0006, 0033, 0037, 0044, 0057
Realistic	0018, 0023
Runco	0011, 0017, 0018
Sampo	0004, 0006, 0018, 0026
Samsung	0004, 0005, 0006, 0007, 0018, 0029, 0042, 0053, 0054
Sansui	0045
Sanyo	0004, 0070

Scotch	0006
Scott	0004, 0006, 0007, 0008, 0009, 0023
Sears	0000, 0004, 0006, 0009, 0019, 0021, 0022
Sharp	0004, 0006, 0007, 0020, 0055
Sheng Chia	0020
Shogun	0004
Signature	0001
Sony	0002, 0036, 0039, 0050, 0051, 0052, 0056
Soundesign	0004, 0006, 0008, 0009, 0023
Squareview	0022
SSS	0004, 0008, 0023
Starlite	0008, 0023
Superscan	0020
Supre-Macy	0012
Supreme	0002
SVA	0030
Sylvania	0004, 0006, 0018, 0019, 0022
Symphonic	0008, 0022, 0023, 0063
Syntax	0073
Syntax-Brillian	0073
Tandy	0020
Tatung	0003, 0027
Technics	0010, 0024
Techwood	0004, 0006, 0010
Teknika	0001, 0004, 0005, 0006, 0007, 0008, 0009, 0019, 0023
Telefunken	0053
TMK	0004, 0006
TNCi	0017
Toshiba	0021, 0046, 0048, 0049, 0058, 0060, 0062, 0066
Vector Research	0018
Vidikron	0019
Vidtech	0004, 0005, 0006
Viewsonic	0026, 0078
Viking	0012
Vizio	0027, 0089
Wards	0000, 0001, 0004, 0005, 0006, 0009, 0018, 0019
Waycon	0021
Westinghouse	0069
White Westinghouse	0043
Yamaha	0004, 0005, 0006, 0018
Zenith	0001, 0004, 0011, 0017

DVD

Accurian	2027
Advent	2006
Aiwa	2074
Akai	2000
Alco	2004
Allegro	2022
Amphion MediaWorks	2085
AMW	2085
Apex	2013, 2014, 2031, 2059
Argo	2023
Aspire	2007
Audiovox	2004
Bang & Olufsen	2016
Blaupunkt	2014
Blue Parade	2012
Broksonic	2000, 2069
California Audio Labs	2002
CineVision	2022
Coby	2060
Curtis Mathes	2024
CyberHome	2023, 2029
Daewoo	2022, 2066
Denon	2002, 2056, 2073
Disney	2062
Durabrand	2025
Emerson	2001, 2017, 2026
Enterprise	2017
ESA	2026
Fisher	2018
Funai	2026
GE	2011, 2014, 2063
Go Video	2022, 2067
Gradiente	2002
Greenhill	2014
Harman/Kardon	2019, 2077
Hitachi	2046
Hiteker	2013
Initial	2014, 2049
Insignia	2026, 2084
Integra	2012
JBL	2019
JVC	2048
Kawasaki	2004
Kenwood	2002, 2076
KLH	2004, 2014
Koss	2003, 2009, 2070
Landel	2028

Lasonic	2020
Lenoxx	2008, 2025
LG	2017, 2022, 2064, 2082
Liquid Video	2009
Liteon	2027, 2071
Magnavox	2001, 2010, 2026, 2057
Memorex	2000, 2062
Microsoft	2011
Mintek	2014, 2021
Mitsubishi	2065
Nesa	2014
Next Base	2028
Onkyo	2010
Oppo	2015
Oritron	2003, 2009
Panasonic	2002, 2010, 2034, 2036, 2053, 2056, 2079, 2080, 2081
Philips	2010, 2057
Pioneer	2012, 2051, 2083
Polaroid	2043
Proceed	2013
Proscan	2011, 2055
Qwestar	2003
RCA	2004, 2011, 2012, 2014, 2038, 2055
Regent	2008
Rio	2022
Rowa	2005
Samsung	2002, 2039, 2041, 2046, 2050, 2052, 2058, 2067, 2078
Sansui	2000
Sanyo	2000, 2018
Sharp	2068
Shinsonic	2021
Sonic Blue	2022
Sony	2032, 2033, 2037, 2042, 2044, 2045, 2047, 2054, 2075
Superscan	2001
Sylvania	2001, 2026
Teac	2004
Technics	2002
Theta Digital	2012
Toshiba	2000, 2010, 2030, 2035, 2040, 2061, 2072
Urban Concepts	2010
US Logic	2021
Venturer	2004
Xbox	2011
Yamaha	2002, 2034
Zenith	2010, 2017, 2022, 2064

VCR

ABS	1008
Adventura	1005
Aiwa	1005
Alienware	1008
American High	1004
Asha	1002
Audio Dynamics	1000
Audiovox	1003
Beaumarck	1002
Bell & Howell	1001
Calix	1003
Candle	1002, 1003
Canon	1004
Citizen	1002, 1003
Colortyme	1000
Craig	1002, 1003
Curtis Mathes	1000, 1002, 1004
Cybermex	1002
CyberPower	1008
Daewoo	1005
DBX	1000
Dell	1008
DIRECTV	1007
Durabrand	1009
Dynatech	1005
Electrohome	1003
Electroponic	1003
Emerson	1003, 1004, 1005
Fisher	1001
Fuji	1004
Funai	1005
Garrard	1005
Gateway	1008
GE	1002, 1004
Goldstar	1000, 1003
Gradiente	1005
Harley Davidson	1005
Harman/Kardon	1000
Headquarter	1001
Hewlett Packard	1008
HNS	1007
Howard Computers	1008
HP	1008
Hughes Network Systems	1007
Humax	1007
Hush	1008
iBUYPOWER	1008
Instant Replay	1004
JC Penney	1000, 1001, 1002, 1003, 1004
JCI	1004

JVC	1000, 1001, 1014
Kenwood	1000, 1001
Kodak	1003, 1004
LG	1003
Linksys	1008
Lloyd's	1005
LXI	1003
Magnavox	1004, 1009, 1016
Magnin	1003
Marantz	1000, 1001, 1004
Marta	1003
Matsushita	1004
Media Center PC	1008
MEI	1004
Memorex	1001, 1002, 1003, 1004, 1005, 1009, 1010
MGN Technology	1002
Microsoft	1008
Mind	1008
Mitsubishi	1015
Motorola	1004
MTC	1002
Multitech	1002, 1005
NEC	1000, 1001
Nikko	1003
Niveus Media	1008
Noblex	1002
Northgate	1008
Olympus	1004
Optimus	1003
Orion	1010, 1018
Panasonic	1004, 1006, 1012
Philco	1004
Philips	1004, 1007, 1016
Philips Magnavox	1016
Pilot	1003
Pulsar	1009
Quarter	1001
Quartz	1001
Quasar	1004
Radio Shack	1003
Radio Shack/Realistic	1001, 1002, 1003, 1004, 1005
Radix	1003
Bandex	1003
RCA	1002, 1004, 1007, 1011
Realistic	1001, 1002, 1003, 1004, 1005
ReplayTV	1006
Ricavision	1008
Runco	1009
Samsung	1002, 1007
Sanky	1009
Sansui	1010, 1018
Sanyo	1001, 1002

Sears	1001, 1003, 1004
Sharp	1017
Shogun	1002
Singer	1004
Sonic Blue	1006
Sony	1008, 1013
Stack	1008
STS	1004
Sylvania	1004, 1005
Symphonic	1005
Systemax	1008
Tagar Systems	1008
Tandy	1001
Tashiko	1003
Teac	1005
Technics	1004
Teknika	1003, 1004, 1005
Tivo	1007
TMK	1002
Toshiba	1008, 1019
Totevision	1002, 1003
Touch	1008
Unitech	1002
Vector Research	1000
Video Concepts	1000
Videosonic	1002
Viewsonic	1008
Voodoo	1008
Wards	1002, 1003, 1004, 1005
XR-1000	1004, 1005
Yamaha	1000, 1001
Zenith	1009
ZT Group	1008

Cable Box

ABC	3000, 3001, 3002, 3004, 3024, 3025
Americast	3033
Antronix	3006, 3007
Archer	3007
AT&T	3041
Bell South	3033
Cable Vision	3036
Cabletenna	3006
Cableview	3005
Clearmaster	3032
ClearMax	3032
Colour Voice	3009
Comcast	3037, 3038
Comtronics	3010
Contec	3011

Coolmax	3032
COX	3039
Director	3031
Eastern	3012
Everquest	3026
Focus	3030
GC Electronics	3007
GE	3000, 3001
Gemini	3013, 3026
General Instrument	3001, 3029, 3031, 3037
Goldstar	3027
Hamlin	3014, 3015
Hitachi	3001
Jasco	3026
Jerrold	3001, 3013, 3024, 3026, 3029, 3031
Magnavox	3016
Memorex	3017, 3025
Motorola	3029, 3031, 3038, 3039, 3041
Movie Time	3018
Multitech	3032
NEC	3003
NET Brazil	3042
NSC	3018
Oak	3011
Pace	3028
Panasonic	3021, 3023, 3025
Paragon	3025
Philips	3008, 3009, 3016
Pioneer	3019, 3027, 3035
Popular Mechanics	3030
Proscan	3000, 3001
Pulsar	3025
Quasar	3025
Radio Shack	3026, 3032
RCA	3005, 3023
Realistic	3007
Recoton	3030
Regal	3015
Regency	3012
Rembrandt	3001
Runco	3025
Samsung	3019, 3027
Scientific Atlanta	3004, 3041
Signal	3013, 3026
Signature	3001
Sony	3034, 3036
Sprucer	3023
Standard Component	3020
Starcom	3013, 3024, 3026
Stargate	3013, 3026
Starquest	3013, 3026
Supercable	3029

Supermax	3032
TIME WARNER	3040
Tocom	3002
Toshiba	3025
Tristar	3032
Tusa	3013, 3026
TV86	3018
Unika	3006, 3007
United Cable	3024
Universal	3006, 3007
V2	3032
View Star	3011, 3016, 3018
Viewmaster	3032
Vision	3032
Vortex View	3032
Zenith	3022, 3025, 3033
Zentek	3030

Satellite

Alphastar	4010
CaptiveWorks	4053
Chaparral	4004
Coolsat	4054
DIRECTV	4013, 4015, 4016, 4019, 4021, 4022, 4028, 4029, 4031, 4035, 4036, 4041, 4042, 4043, 4046, 4047
Dish Network	4000, 4001, 4002, 4003, 4014, 4020, 4023, 4033, 4044, 4045
Dishpro	4000, 4014
Drake	4005
Echostar	4000, 4014, 4033, 4044, 4045
Expressvu	4000
General Instrument	4006, 4017
GOI	4000
Hisense	4018
Hitachi	4011
HTS	4000
Hughes Network Systems	4013, 4019, 4022, 4024, 4041
Humax	4055
Ilo	4018
Jerrold	4017
JVC	4000, 4033, 4044, 4045
LG	4048
Magnavox	4016
Memorex	4016
Mitsubishi	4022
Motorola	4017
Next Level	4017
Panasonic	4043, 4047, 4049

Pansat	4051
Paysat	4016
Philips	4013, 4016, 4024, 4031, 4042
Pioneer	4013
Primestar	4009
Proton	4018
Radio Shack	4017
RCA	4024, 4025, 4026, 4028, 4029, 4030, 4034
Realistic	4007
Samsung	4013, 4024, 4036, 4038
Sharp	4050
Sony	4015, 4021, 4027, 4032, 4035, 4037, 4039, 4040
Star Choice	4017
STS	4012
Tivo	4013, 4024
Toshiba	4041
UltimateTV	4015
Uniden	4008, 4016
US Digital	4018
USDTV	4018
Viewsat	4052
Voom	4017
Zenith	4046

Audio

ADC	5005
Adcom	5067
Aiwa	5055
Alco	5011
Amphion Media Works	5012
AMW	5012
Anam	5007
Apex	5064
Audiotronic	5008
Audiovox	5011, 5063
B & K	5068
Bang & Olufsen	5017
BOSE	5028, 5046
Capetronic	5005
Carver	5008
Coby	5059
Curtis Mathes	5001
Denon	5052, 5053, 5054
Fisher	5013
GE	5000
GPX	5065
Harman/Kardon	5002, 5060
Hitachi	5013
Integra	5004
JVC	5056
Kenwood	5009, 5031
KLH	5011
Koss	5010
Left Coast	5002
Magnavox	5005, 5008, 5033
Marantz	5002, 5008
Mitsubishi	5062

NAD	5016
Nakamichi	5015
NEC	5003
Onkyo	5034, 5037, 5038, 5045, 5049, 5051
Optimus	5001, 5005, 5006, 5007
Oritron	5010
Panasonic	5027, 5035, 5047
Philips	5002, 5008, 5061
Pioneer	5001, 5005, 5006, 5021, 5026, 5029
Polk Audio	5002
RCA	5001, 5005, 5006, 5007, 5011, 5057
Rio	5014
Samsung	5041
Sanyo	5013
Sharp	5066
Sherwood	5058
Shure	5003
Sonic Blue	5014
Sony	5018, 5019, 5020, 5022, 5023, 5024, 5025, 5030, 5032, 5042, 5043
Soundesign	5000
Stereophonics	5006
Sunfire	5009
Teac	5007, 5011
Technics	5044
Thorens	5008
Venturer	5011
Wards	5000
Yamaha	5004, 5036, 5040, 5048, 5050

TV & Device Brand Codes - UNIVERSAL Remote

TV

Brand	Code (3-digit)
ADMIRAL	072 081 160 161 096
ADVENT	247
AIKO	103
AKAI	006 146 248
ALARON	028
AMARK	112 143
AMERICA ACTION	043
AMPRO	073
ANAM	043 054 055 056 080 112
AOC	058 006 004 112
APEX DIGITAL	015 226 037
AUDIOVOX	076 103 043 035
BAYSONIC	043
BELL&HOWELL	072
BRADFORD	043
BROKSONIC	096
CANDLE	006 002 003 004
CAPEHART	058
CARVER	164
CELEBRITY	148
CETRONIC	043
CINERAL	103 120
CITIZEN	006 002 003 004 101 103 143
CLASSIC	043
CONCERTO	004
CONTEC	043 051
CORONADO	143
CRAIG	043 054 028
CROSLEY	164
CROWN	043 143
CURTIS MATHES	006 004 101 143 011 072 081 120 164
CXC	043
DAEWOO	076 103 055 004 127 143 016 043 044 125 120
DAYTRON	004 143
DELL	041
DENON	011
DUMONT	004 073
DWIN	161
DYNASTY	043
DYNATECH	062
ELECTROBAND	001
ELECTROHOME	024 076 143
EMERSON	005 028 043 048 076 096 155 004 051 143 151 153 154

TV

Brand	Code (3-digit)
ESA	078
FISHER	007 057
FUJITSU	164 028 198 246 066
FUNAI	028 043 052 249
FUTURETECH	043
GATEWAY	242 078
GE	006 073 144 160 161 004 008 009 034 056 074 091 155 081 120
GIBRALTER	004 073
GOLDSTAR	004 106 119 110 112 113 127 143
GRUNPY	028 043
HALL MARK	004
HARLEY DAVIDSON	028
HARMAN KARDON	164
HARVARD	043
HITACHI	163 004 007 009 011 072 010 012 023 075 143 158
HP	027 039
HYUNDAI	049 067
INFINITY	164
INSIGNIA	024
INKEL	129
INTEQ	073
JBL	164
JCB	001
JCPENNEY	004 006 008 024 030 065 101 143 156 160
JENSEN	013
JVC	038 001 034 083 206
KENWOOD	006 001
KLOSS	002 059
KTV	006 043 143 154
LG	004 106 119 110 112 113 127 143 084
LODGENET	072
LOEWE	207 164
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164
MAGNAVOX	006 003 004 022 059 060 061 063 064 127 164 094 160 028 035
MAJESTIC	072
MARANTZ	164 006
MATSUI	164
MATSUSHITA	080
MEGATRON	004
MITSUBISHI	109 024 042 004 040 146 028 081 225

TV

Brand	Code (3-digit)
MOTOROLA	081
MTC	006 004 062 101
MULTITECH	043
NAD	015 025
OPTIMUS	080
OPTOMA	029 032
PHILCO	006 003 004 024 056 059 060 063 064 127 143 164
PHILIPS	164 005 038 093 127 006 003 004 059 210
PIONEER	023 025 135 176 004 018 006 209 234
POLAROID	015 077 078 079
PORTLAND	004 143 103
PRISM	034
PROSCAN	144 160 161
PROTON	004 058 143 171 173 112
QUASAR	034 056
RADIO SHACK	004 019 127 143 043
RCA	160 161 144 156 065 006 004 023 024 056 074 152 081
REALISTIC	007 019
RUNCO	072 073 050
SAMPO	006 004 058 242
SAMSUNG	004 101 127 133 143 160 089 105 211 228 229
SANSEI	120
SANSUI	096
SANYO	007 053 057 082 020
SCEPTRE	036
SCOTCH	004
SCOTT	004 005 028 043 048 143
SEARS	004 007 015 028 030 057 082 094 143 160 052 164
SEMIVOX	043
SEMP	015
SHARP	081 014 019 028 004 022 143 175
SIGNATURE	072
SONY	001 126 139
SOUNDESIGN	003 004 028 043
SPECTRICON	112
SQUAREVIEW	052
SSS	004 043
STARLITE	043
SUPREMACY	002
SUPREME	001
SVA	079
SYLVANIA	006 003 059 060 063 064 127 160 164 044 249
SYMPHONIC	052 249
SYNAX OLEVIA	084
TANDY	081
TATUNG	056 062
TECHNICS	034 080

TV

Brand	Code (3-digit)
TECHNOLACE	028
TECHWOOD	004
TEKNIKA	002 003 004 024 028 043 072 101 143 103 164
TELERENT	072
TERA	172
TMK	004
TNCI	073
TOSHIBA	015 030 07 040 062 101 045
TOTEVISION	143
UNIVERSAL	008 009
VIDEO CONCEPTS	146
VIDIKRON	174 188 164 050
VIDTECH	004
WARDS	004 064 164 008 009 019 028 060 061 063 072 074 143
WESTINGHOUSE	076 036
YAMAHA	004 006
YORK	004
YUPITERU	043
ZENITH	072 073 095 103 011 096
ZONDA	112

TV/VCR

Brand	Code (3-digit)
ADMIRAL	025 053
AIKO	117
AIWA	034 161 101
AKAI	043 046 124 146
AMERICA ACTION	117
AMERICAN HIGH	031
AMPRO	072
ANAM	031 103
ASHA	040
AUDIO DYNAMICS	012 023 043
AUDIOVOX	101
BEAUMARK	040
BROKSONIC	035 037 129 025
CALIX	101
CANON	028 031
CAPEHART	108
CCE	024 117
CINERAL	117
CITIZEN	101 117
COLT	148
CRAIG	003 040 135 024 101
CURTIS MATHES	031 041
CYBERNEX	040
DAEWOO	005 108 111 117 017 065 007 010

TV/VCR

Brand	Code (3-digit)
DAYTRON	108
DBX	012 023 043
DYNATECH	034 053
ELECTROHOME	059 101
ELECTROPHONIC	101
EMERSON	006 029 035 037 129 153 017 025 027 031 034 036 046 101 131 138 117
FISHER	003 010 008 009
FUJI	031
FUNAI	034
GARRARD	034
GE	031 072 144 147 063 107 109 040 053
GO VIDEO	132 155 040 136
GOLDSTAR	101 004 012 020
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	004 026 034 043 063 137 150
HO	034
HUGHES	004
INSTANTREPLAY	031
JCL	031
JCPENEY	004 012 031 040 101
JENSEN	043
JVC	048 043 055 060 130 150 152 012 031
KEC	101 117
KENWOOD	034 150 014 048
KLH	024
KODAK	031 101
LG	101 004 012 020
LLOYD	034
LOGIK	024
LXI	003 009 017 034 101 004 106
MAGIN	040
MAGNASONIC	117
MAGNAVOX	067 031 034 068 041 156 170
MARANTZ	067 069 012 031
MARTA	101
MATSUI	027 030
MATSUSHITA	031
MEI	031
MEMOREX	040 101 003 014 031 034 053 072 134 139 025
MGA	045 046 059
MGNTECHNOLOGY	040
MINOLTA	004 020
mitsubishi	059 061 051 004 046 020 045 053
MOTOROLA	031 053
MTC	034 040
MULTITECH	024 034

TV/VCR

Brand	Code (3-digit)
NEC	012 023 043 048
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	031
OPTIMUS	053 101
PILOT	101
PIONEER	021 004 048
PORTLAND	108
PROFITRONIC	040
PROTEC	024
RCA	107 109 144 041 031 004 020 034 040 147 158 053
SALORA	014
SAMSUNG	040 017 107 109 113 115 124 122
SANKY	053
SANSUI	043 135 048 025 034
SANYO	003 014 040 134
SCOTT	017 037 129 131
SEARS	003 004 008 014 017 081 101 010 031 034
SHART	053 031 054 159
SHINTOM	024
SHOGUN	040
SINGER	024
SONY	001 057 058 003 052 053 031 154 171 009 034
SOUNDESIGN	034
STS	004
SYLVANIA	031 034 059 067
SYMPHONIC	034
TANDY	034 010
TATUNG	043
TEAC	034 043
TECHNICS	031 070
TEKNIKA	031 034 101
THOMAS	034
TMK	006 040
TOSHIBA	017 131 004 008 059 082 150
TOTEVISION	040 101
UNITECH	040
VECTORRESEARCH	012
VIDEO CONCEPTS	012 034 046
VIDEOSONIC	040
WARDS	003 004 017 024 031 034 040 053 054 131
WESTINGHOUSE	024 025
XR1000	024 031 034
YAMAHA	012 034 043
ZENITH	072 034 001 058 080 101 153 048 025

TV/DVD

Brand	Code (3-digit)
AIWA	202
ALPINE	221
APEX DIGITAL	251 246 182 183
ARCAM	215
CARYAUDIODESIGN	184
CLASSE	193
CYBERHOME	220
DAEWOO	220
DENON	226 241
FUNAI	208
GE	230 231
GOLDSTAR	235 239
GO VIDEO	201 187 188 189 194
HARMAN KARDON	243
HITACHI	223
HITEKER	246
JVC	238
KENWOOD	216
KLH	210
LG	148
MAGNAVOX	254 237
MARANTZ	253 242
MCINTOSH	217
MEMOREX	207
MITSUBISHI	227
MYRYAD	224
NAD	247 239

TV/DVD

Brand	Code (3-digit)
NAKAMICHI	225
ONKYO	240
OPTIMUS	229
PANASONIC	228 206 226
PHILIPS	253 237 214 242
PIONEER	255 222 229
POLAROID	195
PRIMARE	185 186
PROCEED	245
PROSCAN	230 231
RCA	230 231
SAMSUNG	236 248 201 191
SANSUI	205
SANYO	204
SENSORY SCIENCE	189 190
SHARP	252
SONY	232 218 203
SYLVANIA	208
SYMPHONIC	034
TATUNG	224
TECHNICS	228
THETA DIGITAL	229
TOSHIBA	223 244 219 205 192
VENTURER	209
YAMAHA	249 226 181
ZENITH	239 226 235 239