



# TV User Guide

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[bbtel.com](http://bbtel.com)



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## TV RECORD

For your convenience, Use this space to keep a record of your TV location, stream & code.

TV Location	Stream	TV Code
Example: <i>Living Room</i>	1	1 2 3 4

Notes:

## TABLE OF CONTENTS

Welcome.

Version as of Aug 2011

This instructional TV Guide is provided by Brandenburg Telephone Company and Brandenburg Telecom, LLC as a helpful tool to assist our TV subscribers in navigating throughout their on-screen TV Guide, and the operation of their Set Top Box (STB) and Remote Control.

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BTC / BTLLC	Channel 1

### **Hours:**

Monday-Friday	8 a.m. – 5 p.m. EST
Saturday	8 a.m. – 12 p.m. EST
Sunday	Closed

## REMOTE CONTROL

### ADB Potenza Remote Control (referenced throughout this guide)

#### Device Selection

Send commands to TV, audio, DVD, auxiliary device or set top box

#### RCU SETUP

Setup remote (see page 28)

#### DVR LIST

Lists programs that are to be recorded

#### MENU

Displays Menu Bar

#### Arrow Keys

Move highlight in system screens

#### GUIDE

Displays Guide

#### DAY - / DAY +

Jumps Guide 1 day ahead or back

#### Function Buttons

Adjust volume

#### MUTE

Toggle audio on or off

#### Number Pad

Enter a channel Number or PIN

#### WWW

Display Web

#### INPUT

Access Devices

#### PHONE

Display Caller ID Log



#### POWER

Turn a selected device on or off

#### Playback Controls

Control playback of DVD, DVR, or VOD

#### RECORD

Begin DVR recording

#### INFO

Display the Info Bar

#### OK

Press to accept your selection

#### Exit

Close any screen and return to TV

#### PG +/-

Jump Guide 1 page up or down

#### CH +/-

Change the channel

#### VOD

Display Rentals

#### LAST

Return to previous channel

#### CC

Toggles closed captions on or off

#### SAP

Toggles Secondary audio Program on or off

## ELECTRONIC PROGRAM GUIDE

Press the **Guide** button on the ADB remote, and the program guide will display as seen below. The last channel viewed will be displayed at the top right of the screen with information about the program on the left. The program listings are displayed at the bottom of the screen. There are multiple preset guides such as **All** and **Subscribed**. Pressing and releasing **Guide** on the remote will toggle through the various guides.



Step 1

**All:** Displays all channels offered by BTC/BTLLC

**Subscribed:** Displays only the channels you are subscribed to.

**PPV:** Displays all the PPV channels available.

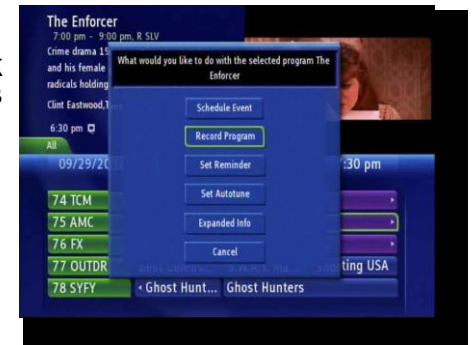
**Favorites:** Selection of channels you've programmed as favorites

**HD:** Displays all High-Definition (HD) channels.



To scroll through the program listings press the **Up, Down, Right** or **Left Arrow** buttons on the ADB remote. Information about the highlighted program will be displayed at the top left of screen. If the highlighted program is in progress pressing the **OK** button once will display that program on the top right of the screen, pressing the **OK** button again will tune to that program.

If the program is scheduled at a later time, pressing the **OK** button will display the following screen. From this screen you can select what you would like to do with the program. Scroll to the option that you would like to use by pressing the **Up** or **Down Arrow** buttons, then press the **OK** button. Press the **Exit** button on the ADB remote to leave the guide.



The Record Program option is only available with DVR. If the program is a series, the **Record Series** option will also be displayed on this screen.

Press the **Menu** button on the ADB remote. The Menu will open as shown below. To open a Menu option scroll to that option using the **Up** or **Down Arrow** buttons and press the **OK** button on the ADB remote.

**Guide** will display the program guide.

**DVR** will display recorded programs, programs scheduled to record, and other DVR functions. (will only show if DVR is part of service.)

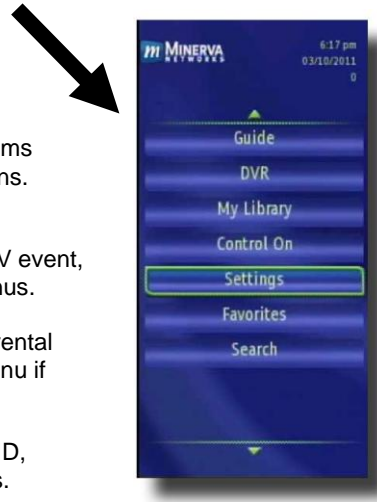
**My Library** will display Caller ID, video, PPV event, pay per block, reminders and message menus.

**Control On** lets you temporarily disable parental controls. This option only displays in the menu if you have parental controls set.

**Settings** will allow access to enable Caller ID, block channels, and set up parental controls.

**Favorites** gives you the option to choose, edit, create or delete favorites.

**Search** will allow you to search the guide and recordings for a program or movie by title.



Open the menu by pressing **Menu** on the ADB remote. The following screen will display.

**Step 1**



Scroll to the Settings option by pressing the **Up** or **Down Arrow** buttons on the ADB remote. Once you have selected **Settings**, press the **OK** button on the ADB remote. The following screen will be displayed.

**Step 2**



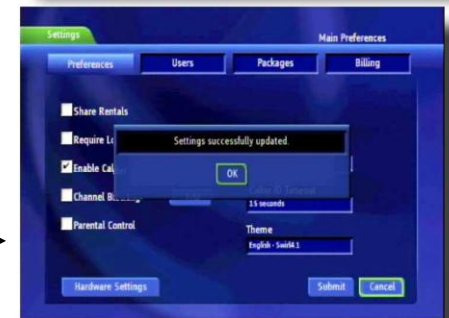
Press **"0"** on the number pad and then press **OK** on the ADB remote. The following screen will be displayed. ("0" is the default password.)

**Step 3**










Scroll down to Enable Caller ID by using the Down Arrow button on the ADB remote, then press OK on the remote. There should now be a checkmark beside Enable Caller ID. Now you will need to scroll over and down to Submit and then press OK on the ADB remote. The following screen will be displayed.

**Step 4**



Press OK on the ADB remote to complete the settings update.

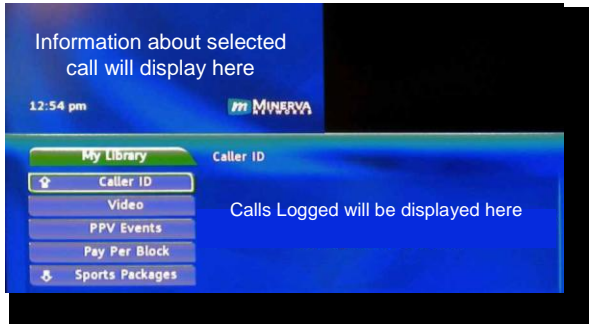
**Program Guide Icons**

-  Indicates New Program
-  Indicates the Program is in HD Format
-  Scheduled to Record
-  Series Recording
-  Reminder
-  Autotune
-  Purple Background Indicates Movie

## CALLER ID LOG

Press the **Phone** button at the bottom of the ADB remote. The screen below will display.

**Step 1**



**Step 2**

Scroll to the right, then scroll down using the **Up/Down Arrow** buttons on the ADB remote to display information for a specific phone number.

Press **Exit** on the remote to return to television programming.

## SET CALLER ID TIMEOUT

(This is the length of time that the calling number displays on the screen.)

Open the menu by pressing Menu on the ADB remote. The following screen will display.

**Step 1**



Scroll to the Settings option by pressing the Up or Down Arrow buttons. Once you have selected Settings, press OK on the ADB remote. The following screen will display.

**Step 2**



## SET CALLER ID TIMEOUT continued...

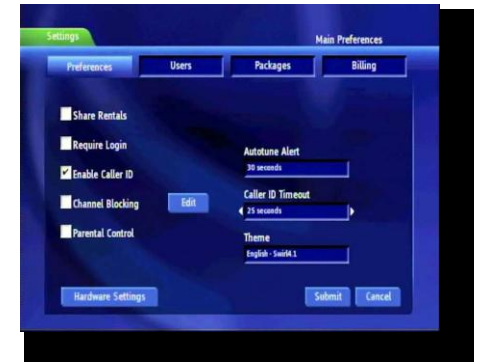
Press **"0"** on the number pad and then press **OK** on the ADB remote. The following screen will be displayed. ("0" is the default password.)

**Step 3**



Scroll to **Caller ID Timeout** by using the **Arrow** buttons on the ADB remote, then press **OK**. You should now have an arrow on each side of Caller ID Timeout, as shown below.

**Step 4**



You can now adjust the amount of time that the **Caller ID** displays on the screen by pressing the **Right or Left Arrow** buttons on the ADB remote. After Adjusting Timeout, press **OK** on the ADB remote. Now you will need to scroll down to Submit and then press **OK**. The following screen will display.

**Step 5**



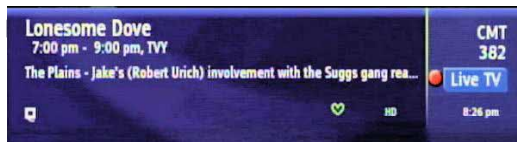
Press **OK** on the ADB remote to complete the settings update.

## DVR (DIGITAL VIDEO RECORDER) optional feature

The DVR allows you to record regular scheduled programming as well as schedule recordings while absent from your TV & STB.

### How to record a program that is in progress...

Press the **Record** button on the ADB remote control. The program information will display at the bottom of the screen. A red dot will display beside **Live TV** to the right of this screen indicating that the program is being recorded, as shown in the screen below.



Step 1

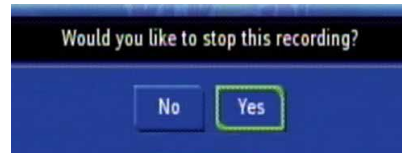
To stop recording a program, press the **OK** button on the ADB remote. The screen to the right will display. Scroll to stop recording, then press **OK** on the ADB remote.

Step 2



Another screen will display asking if you would like to stop recording. Select **Yes** and press the **OK** button on the ADB remote. The recording will be cancelled.

Step 3



### How to record a future program using your DVR...

Open the on-screen program guide by pressing the **Guide** button on the ADB remote. Locate the program you would like to record by scrolling through the on-screen guide using the **Directional Arrow** buttons on the ADB remote. Once the program you want to record is located press the **Record** button on your ADB remote. The program will begin and stop recording at the times shown on the on-screen guide. A red dot will appear beside the program indicating that the program is scheduled to record.

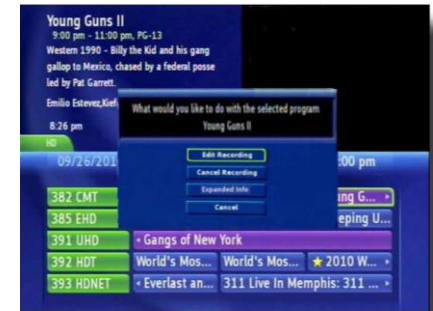


Step 1

## DVR continued...

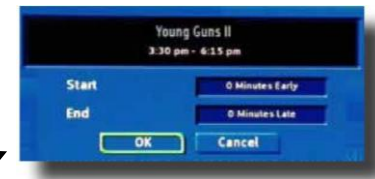
Press **Exit** on the ADB remote to leave the on-screen guide OR to edit or cancel the scheduled recording, press **OK**. The following screen will be displayed.

Step 2



To cancel the recording scroll down to **Cancel Recording** using the arrow keys on the remote. Press **OK** and then scroll to **Yes**, then press **OK** to cancel the recording.

Step 3



To edit the recording select **Edit Recording** and press **OK** on the ADB remote. The following screen will be displayed.

To change the start time scroll to the box beside **Start** using the **Up Arrow** button and press **OK**, then use the **Up** or **Down Arrow** buttons to increase or decrease the amount of time. Press **OK** after time has been adjusted.

To allow the program to continue to record after the scheduled time, increase the time in the box beside **End**. After times have been adjusted scroll down to **OK** and press **OK** on the ADB remote to apply changes.

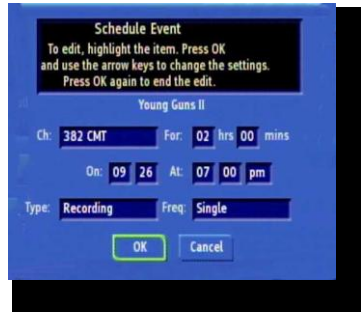
### How to schedule event...

Press the green **DVR List** button on the ADB remote. The screen below will display.

Step 1



Scroll to **Schedule Event** by pressing the **Down Arrow** button on the ADB remote and press the **OK** button. The Schedule Event screen as shown here will be displayed. From this screen you can schedule a recording, reminder, or autotune. The frequency can be set to a single event, weekly, Monday through Friday or every day. The date, start time and length of time can also be set. To change a field entry scroll to that field using the **Directional Arrow** buttons on the ADB remote, and press the **OK** button. Now the field entry can be changed by pressing the **Right** or **Left Arrow** button on the ADB remote. Once all field entries have been made scroll to **OK** and press the **OK** button on the ADB remote. Press the **Exit** button. The event is now scheduled.



Step 2

### How to Record a Series of Programs...

Series Recording allows you to record all available (including duplicate) episodes on a particular channel for different scheduled air-times and dates. The system recognizes the desired programming to be recorded by titles and will automatically adjust should the program change Date/Time or length of program.

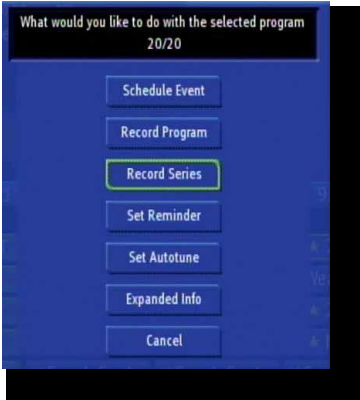
Press the **Guide** button on the ADB remote. The following screen will display.

Step 1



Step 2

Scroll to the series program you would like to record then press the **OK** button on the ADB remote. The following screen will be displayed. Scroll to **Record Series**.



Step 3

This screen can specify if you want new or all shows with this title. You can edit the Start and Stop times of the series, and you can limit the number of episodes to keep. Scroll to **OK** and then click **OK** on the ADB remote once the edits are complete.



A double red ball will be displayed beside the series to be recorded as shown in the following screen-shot. Press **Exit** on the ADB remote.

Step 4



### How to Cancel a Series Recording...

Press the **Green DVR Button** on the ADB remote, then scroll down to **To Record**. Any programs that are scheduled to record will be listed at the right. Scroll to the program that you would like to edit and press the **OK** button on the ADB remote. The following screen will display.



To cancel the series recording scroll to **Cancel Series Recording** and press **OK** on the ADB remote. A screen will display asking if you want to delete the series recording. Scroll to **Yes** and press the **OK** button on the ADB remote.

### How to Edit a Series Recording...

To edit the series recording scroll to **Edit Series Recording** and press **OK** on the ADB remote. The following screen will be displayed.



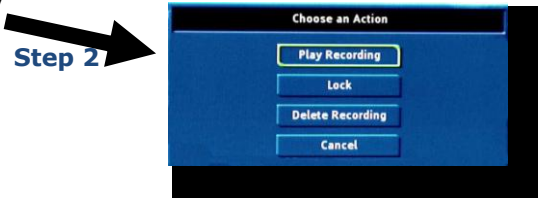
Scroll to the field that you would like to edit and press the **OK** button on the ADB remote. Press the **Up** or **Down Arrow** buttons on the ADB remote to change the entry in the field. After making changes press the **OK** button on the ADB remote. Scroll down to **OK** and press the **OK** button on the ADB remote again.

**How to playback a recorded program...**

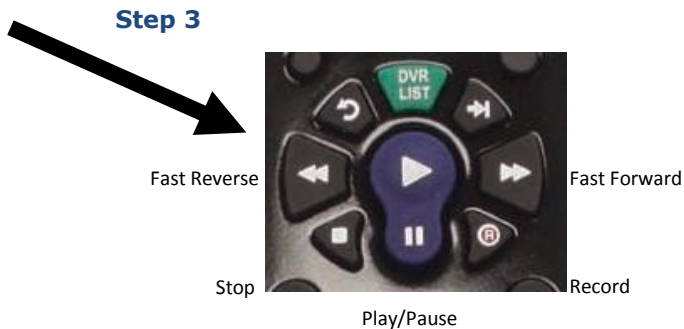
Press the **Green DVR Button** on the ADB remote. The following screen will display. Using the **Directional Arrow** buttons on the ADB remote, scroll to the program that you would like to play. Then press **OK** on the ADB remote.



The following screen will display. Use the Up or Down Arrow buttons on the ADB remote to scroll to Play Recording, then press OK on the ADB remote. The program will begin playback.

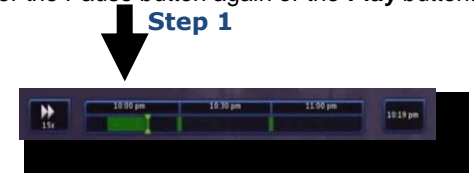


Once playback has started you can fast forward, rewind, pause, and stop playback by pressing the buttons on the ADB remote as indicated below. Press **Fast Forward** or **Fast Reverse** up to four times to forward or reverse at increasing speeds (2x, 4x, 10x, 25x.) Press **Play** to resume Playback.



*Must have DVR service to use this feature.*

The PLT feature will allow you to pause, rewind, fast forward, and playback the program that is in progress. Pressing the **Pause** button on the ADB remote will pause the program. To resume play, press either the **Pause** button again or the **Play** button. To rewind the program press the **Fast Reverse** button on the ADB remote. To resume play press the **Play** button on the ADB remote. When using this feature the **Time Bar** as shown to the right will display at the top of your screen. The green colored section indicates the time frame which can be navigated. Changing channels will cause a reset of time and will restart on new channel.

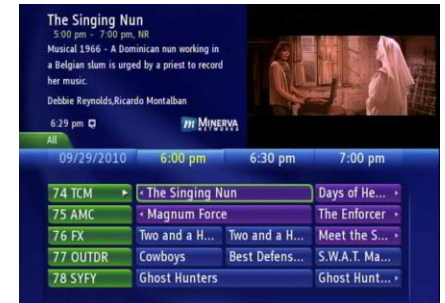


Press the **Fast Reverse** or **Fast Forward** button multiple times will advance speed up to 300x.



**SCHEDULE EVENT FROM PROGRAM GUIDE**

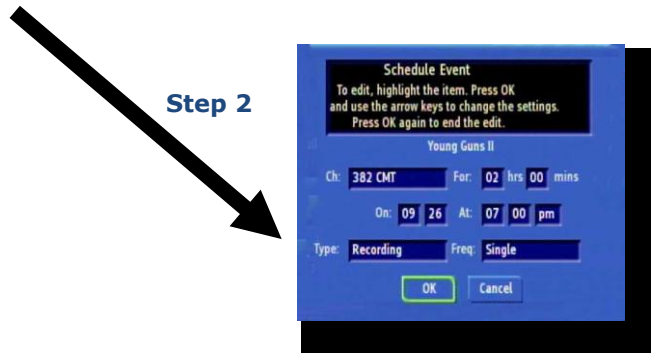
Press the **Guide** button on the ADB remote, and the program guide will display as seen below. The last channel viewed will be displayed at the top left of the screen with information about the program on the right. The program listings are displayed at the bottom of the screen. To scroll through the program listings press the **Directional Arrow** buttons on the ADB remote. Info about the highlighted program will be displayed at the top left of the screen. Scroll to a program that is scheduled at a later time and press the **OK** button. The options screen will be displayed. Scroll to **Schedule Event** then press the **OK** button on the ADB remote.





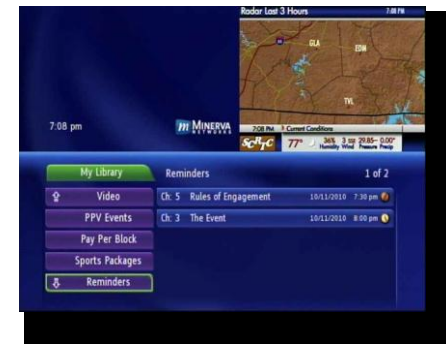
## SCHEDULE EVENT FROM PROGRAM GUIDE continued...

The following screen will display. From this screen you can schedule a **recording, reminder, or autotune**. The frequency can be set to a single event, weekly, Monday through Friday, or every day. The date, start time, and length time can also be set. To change a field entry, scroll to that field using the **Directional Arrow** buttons on the ADB remote, then press the **OK** button. After pressing the **OK** button, the field entry can be changed by pressing the **Right** or **Left Arrow** button on the ADB remote. Once all field entries have been made, scroll to **OK** then press the **OK** button on the ADB remote. Press the **Exit** button. The event is now scheduled.

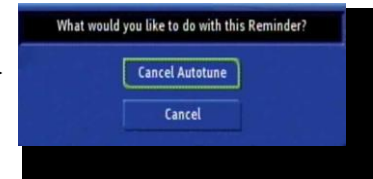


## SCHEDULE EVENTS continued...

Scroll to **Reminders**: Any autotunes or reminders will be displayed on the right side of the screen as shown to the right. To cancel a reminder, scroll to the program using the **Directional Arrow** buttons and press the **OK** button on the ADB remote.



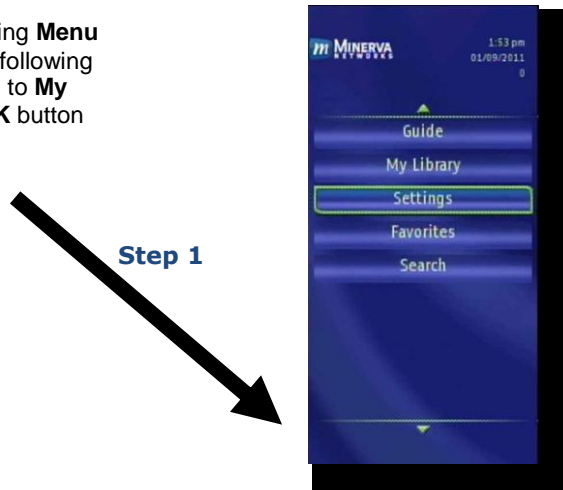
The following screen will be displayed. To remove the reminder press the **OK** button, then press **Exit** on the ADB remote.



## SCHEDULE EVENTS

### How to Check & Cancel Scheduled Events...

Open the menu by pressing **Menu** on the ADB remote. The following screen will display. Scroll to **My Library** and press the **OK** button on the ADB remote.



## PPV (PAY PER VIEW)

### How to Order a PPV Program...

To view PPV programs press and release the **Guide** button on the ADB remote until the PPV guide displays as shown here.

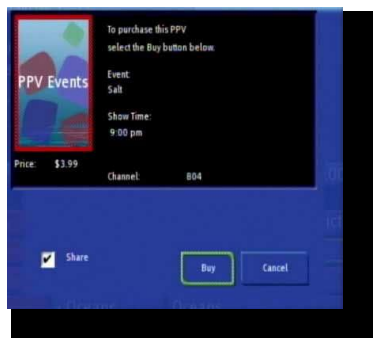
Step 1



Step 2

Scroll to the program that you would like to order using the **Directional Arrow** buttons on the ADB remote and press the **OK** button. The following screen will display.

Scroll to **Buy PPV** then press the **OK** button and the following screen will display.

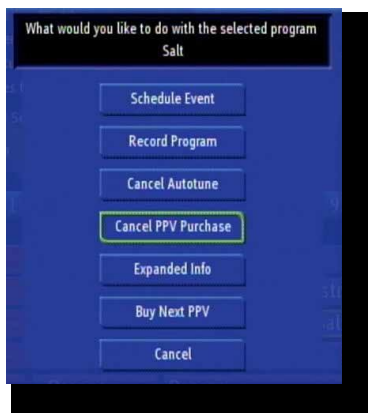


Step 3

To order the program press the **OK** button on the ADB remote. To cancel order scroll to **Cancel** and press the **OK** button on the ADB remote. If you have set up a PIN you will need to enter the PIN before you will be able to purchase a program. (See page 21-22 on how to set up a PIN)

### How to cancel a PPV Program...

Scroll to the **PPV** program in the program guide and press the **OK** button on the ADB remote. The following screen will display.



Step 4

Scroll to **Cancel PPV Purchase** and press the **OK** button on the ADB remote.

**Purchase cannot be cancelled after program is in progress.**

### How to Create Favorites...

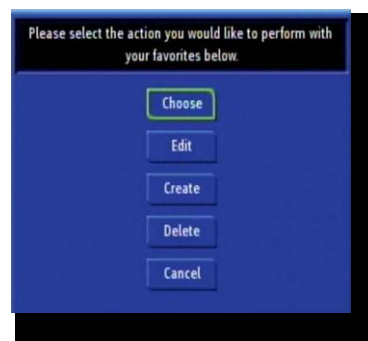
Press the **Menu** button on the ADB remote. The following screen will display. Using the **Directional Arrow** buttons on the remote, scroll to Favorites.

Step 1



Press the **OK** button on the ADB remote. The screen below will be displayed. Scroll to **Create** then press **OK**.

Step 2



The following screen will be displayed. **Favorites1** is automatically created at this time. To add channels to **Favorites1**, scroll to a channel that you would like to add using the **Directional Arrow** buttons and press **OK** on the remote, a favorites icon will be displayed beside the channel. To add other channels, scroll to a channel and press **OK** on the remote. When finished adding channels scroll to **Update** using the **Directional Arrow** buttons and press **OK** on the remote. Additional favorites can be created using this same procedure.

Step 3




**How to Edit Favorites...**

Press the **Menu** button on the ADB remote. The following screen will display. Using the **Directional Arrow** buttons on the remote, scroll to **Favorites**. **Step 1**



Press the **OK** button on the ADB remote. The screen below will be displayed. Scroll to **Edit** and press **OK**. **Step 2**



The following screen will be displayed. To add or remove channels, scroll to the channel that you would like to add or remove using the **Directional Arrow** buttons and press **OK** on the remote. A favorites icon  will be added or removed beside the channel. When finished adding channels, scroll to **Update** using the **Directional Arrow** buttons and press **OK** on the remote.

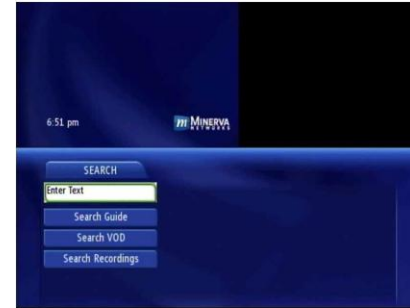
**Step 3**



Press the **Menu** button on the ADB remote. The following screen will display. To use the search feature scroll to **Search** using the **Up** or **Down Arrow** button on the ADB remote. Then press the **OK** button on the remote. **Step 1**



The screen below should display.



Press the **OK** button again to display the keypad as shown in this screen. Using the keypad enter the text that you would like to search for. Use the **Directional Arrow** buttons on the ADB remote to scroll to a key on the keypad and press the **OK** button on remote. After all entries have been made in the text box press **Exit** on the remote. **Step 2**



Now scroll to **Search Guide** or one of the other search options list. Press **OK** on the remote and any programs containing the text will be listed at the lower right of the screen as show here. Scrolling to a program in the list displays the information for that program in the upper left section of the screen. If the program is in progress, pressing the **OK** button on the remote will tune to that program. **Step 3**



## SEARCH FEATURE continued...

If the program is scheduled to air at a later time the screen to the right will be displayed. Select the action that you would like to take and press **OK** on the remote. The Record Program option is only available with DVR. The Record Series option will also be displayed, if the selected program is a series.

**Step 4**



## ENABLE PARENTAL CONTROLS continued...

The following screen will display. Press **OK** on the ADB remote to complete the Settings update.

**Step 4**



## ENABLE PARENTAL CONTROLS

Open the menu by pressing **Menu** on the ADB remote. The following screen will display. Scroll to the **Settings** option by pressing the **Up** or **Down Arrow** button on the ADB remote. Once you have selected Settings, press the **OK** button on the ADB remote.

**Step 1**



The following screen will be displayed. Press "0" on the number pad and then press **OK** on the ADB remote. ("0" is default password)

**Step 2**



The following screen will be displayed. Scroll down to **Parental Control** by using the **Down Arrow** button on the ADB remote. Then press **OK**. There will now be a check mark beside Parental Control. Scroll over and down to **Submit** and press **OK**.

**Step 3**



## EDIT PARENTAL CONTROLS

**How to Turn Parental Controls On & Off after it has been enabled...**

Press the **Menu** button on the ADB remote. The following screen will display. To turn Parental Control off, scroll to **Control On** using the **Up** or **Down Arrow** button on the remote, then press the **OK** button. The Enter Password screen will display. **Enter Password** (default password is "0") using the number buttons. Then press the **OK** button on the ADB remote. Parental Controls are now turned off. To turn Parental Controls back on press the **Menu** button on the remote. Scroll to **Control Off** using the **Up** or **Down Arrow** button on the ADB remote. Then press the **OK** button on remote. Parental Controls are now on.

**Step 1**



**How to Change Parental Control Password...**

Press the **Menu** button on the ADB remote. The following screen will display. Scroll to **Settings** using the **Up** or **Down Arrow** button on the ADB remote. Press the **OK** button on the ADB remote and the Enter Password screen will display. **Enter Password** and press the **OK** button on remote.

**Step 1**

The following screen will display. Scroll to **Users** by pressing the **Right** or **Left Arrow** button on the ADB remote. Press the **OK** button on the ADB remote.

**Step 2**



The following screen will display. Scroll down to **Edit** by using the **Directional Arrow** buttons on the ADB Remote, then press the **OK** button.

**Step 3**



Scroll to the box beside Password using the **Directional Arrow** buttons on the ADB remote. Press the **OK** button on the ADB remote. Using the Number buttons enter the current password (the default password is "0"). Press the **OK** Button. Scroll down to the New Password box and press the **OK** button. Enter New Password and press the **OK** button again. Now scroll to Confirm Password and enter New Password again. Press the **OK** button.

The pin can be changed by using the same Process that was used to change the Password (the default pin is "0"). When Finished scroll to Submit and press the **OK** button on the ADB remote.



**Step 4**

The following screen will display. Press the **OK** button on the ADB remote. The new password has now been saved. Press the **Exit** button on the ADB remote to leave the screen, or scroll to Parental Control to change the parental control ratings.

**Step 5**



**How to Change Parental Control Ratings...**

Press the **Menu** button on the ADB remote. The following screen will display. Scroll to **Settings** using the **Up** or **Down Arrow** button on the ADB remote. Press the **OK** button on the ADB remote. The Enter Password screen will display. Enter Password and press the **OK** button.

**Step 1**



The following screen will display. Scroll to **Users** by pressing the **Right** or **Left Button** on the ADB remote. Press **OK** on the ADB remote.

**Step 2**



The following screen will display. Scroll down to Parental Control by using the **Directional Arrow Buttons** on the ADB remote, then press the **OK** button on the remote.

**Step 3**



The screen to the right will be displayed. From this screen, the rating can be changed by scrolling to the option that you would like to change. When you have the option selected that you want to change press the **OK** button on the ADB remote. If it is a Movie or TV rating press the **Right** or **Left Arrow** button on the ADB remote to change. After all changes have been made scroll to Submit and press the **OK** button.

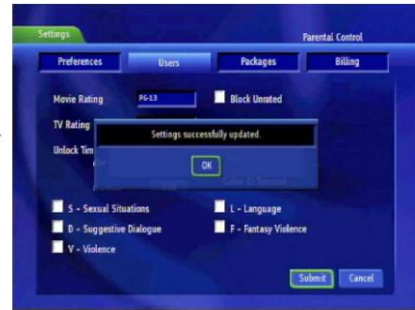
**Step 4**



## EDIT PARENTAL CONTROLS continued...

Press the **OK** button, then press the **Exit** button on the ADB remote to save changes and exit the Settings screen.

**Step 5** →



## CHANNEL BLOCKING continued...

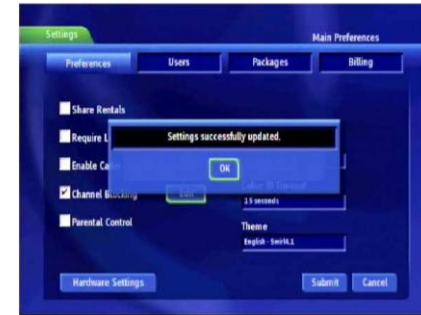
The following screen will display. Press **OK** on the ADB remote.

**Step 4** →



The following screen will display. Press **OK** again on the remote.

**Step 5** ←



The following screen to the right will display. Now scroll down using the **Down Arrow** button on the remote and select a channel that you want to block, press **OK** after selecting. After pressing **OK**, a circle with a line through it should display beside the blocked channel as seen in the following screen.

**Step 6** →



Continue to select and block channels as needed. When finished blocking scroll to **Update** using the Arrow buttons and press the **OK** button on the remote. This will take you back to the Settings screen. Press **Exit** on the remote.

**Step 7** ←



## CHANNEL BLOCKING

Open the menu by pressing **Menu** on the ADB remote. The following screen will display. Scroll to the **Settings** option by pressing the **Up** or **Down Arrow** buttons on the ADB remote. Once you have selected **Settings** press the **OK** button on the ADB remote. The following screen will display.

**Step 1** →



**Step 2** →

Press "0" on the number pad and press **OK** on the ADB remote. (0 is default password)



The following screen will be displayed. Scroll down to Channel Blocking by using the **Down Arrow** button on the ADB remote, then press **OK**. There will now be a checkmark beside Channel Blocking. Scroll to the right using the **Right Arrow** button on the ADB remote and select Edit, then press **OK**. The following screen will display. Press **OK** on the ADB remote.

**Step 3** →



Open the menu by pressing **Menu** on the ADB remote. The following screen will display. Scroll to the **Settings** option by pressing the **Up** or **Down** Arrow buttons on the ADB remote. Once you have selected **Settings**, press the **OK** button on the ADB remote.

**Step 1**



The following screen will be displayed. Press "0" on the number pad and then press **OK** on the ADB remote. ("0" is default password)

**Step 2**



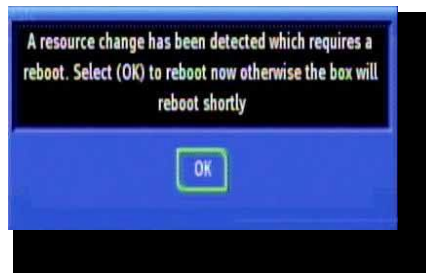
The following screen will be displayed. Scroll to the **Theme** field by using the **Arrow** buttons on the ADB remote. Then press **OK** on the remote. To change between themes press the **Right** or **Left Arrow** button. After Selecting the theme that you would like to use press the **OK** button on the ADB remote and scroll down to **Submit**.

**Step 3**



The following screen will be displayed. Press the **OK** button again. The new theme will be applied when ATB STB reboots.

**Step 4**



Problem	Solution
<b>Device key does not blink when you press a key.</b>	Replace the batteries with two (2) new AA batteries.
<b>Device key blinks when you press a key, but home entertainment device does not respond.</b>	Make sure you are aiming the remote control at your home entertainment device and that you are within 4.5 meters / 15 feet of the device you are trying to control.
<b>The remote control does not control home entertainment devices or commands are not performing properly.</b>	Try all listed codes for the device brand being set up. Make sure all devices can be operated with an infrared remote control.
<b>TV/VCR Combo does not respond properly.</b>	Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation.
<b>PLAY and STOP keys do not work on a Motorola DCT-2000 cable converter.</b>	Re-program the STB key for cable code 0476.
<b>Tried Search Method and still could not find a working code.</b>	Try the Search Method again after clearing out the device key as follows: <ol style="list-style-type: none"> <li>Press and hold RCU Setup until device key blinks twice.</li> <li>Enter 9-9-2</li> <li>Press and release the device key to be cleared twice.</li> </ol>
<b>Remote control doesn't turn on Sony or Sharp TV/VCR Combo.</b>	For power on, these products require programming TV codes on the remote control. For Sony, use TV code 0000 and VCR code 0032. For Sharp use TV code 0093 and VCR code 0048.

Your remote control can handle several devices. However, first you have to set up your remote control for your equipment. You can do it in one of the following ways:

### Brand Setup

First, find the manufacturer of your equipment on the Brand Codes list (pages 31-41). If the manufacturer's brand is not listed, go to **Automatic Search** below. To set up your remote control follow these steps:

1. Turn the device on.
2. Press TV / AUD / DVD / AUX / STB depending on what mode you want to handle and then hold RCU SETUP until the device key blinks twice.
3. Enter one of the codes from the list. If the code was correct the mode key blinks twice. If not, the key emits one long blink. Then, you will have to repeat steps 2 and 3 until entering the correct code.
4. Press POWER. If the device has turned off, you have chosen the right code. If none of the codes work, try **Automatic Search**.

### Automatic Search

Automatic Search should only be undertaken if none of the brand codes works or your brand name is not listed. Use the **Automatic Search** option.

1. Switch on your device. Then press appropriate mode key, for example TV if you want to set up a TV.
2. Press and hold RCU SETUP until the mode key blinks twice.
3. Press 9-9-1. The mode key blinks twice.
4. Aim the remote at the device and press POWER.
5. Press CH+ / CH- repeatedly until the device is switched off.
6. Press to POWER turn the TV on.
7. Next, press RCU SETUP to store the code for your device. The mode key blinks twice. Your remote control is now programmed to operate your TV set.
8. To search codes for other devices repeat steps 1 through 7, but substitute the TV key with the appropriate one for the mode you are searching for.

### Finding Your Code

If you want to know what code operates your device, you can obtain it with the **Device Code** option. To find out the code, follow these instructions

1. Switch on your device. Then press appropriate mode key, for example TV if you want to set up a TV.
2. Press and hold RCU SETUP until the mode key blinks twice.
3. Press 9-9-0. The mode key blinks twice.

4. For the first digit of your code, press 1 and count the number of times the key blinks (e.g. 2 blinks = 2). If the light does not blink, the digit is 0. For the second digit press 2 and count the number of blinks. Do the same for the remaining digits.
5. To check for other device codes, repeat the above steps, but substitute the TV key with the appropriate one for the device you are checking.

### Using Learning

Your remote control includes a learning feature. It means you can transfer some unique functions from the remote control of other device to this remote control.

1. Press RCU SETUP until the last selected mode key blinks twice. Then press 9-7-5.
2. Press the mode key. For example to transfer a function from DVD remote control press DVD.
3. Press the key on which the function will be stored.
4. Place your remote control and the device remote control (e.g. your DVD remote control) head-to-head, about 5 centimeters / 2 inches apart.
5. On the device remote, press and hold the key to be learned. The target remote control will blink rapidly and turn off. Keep holding the key on the device remote control until the device key on the target remote blinks twice.
6. If the learning failed, the device key emits one long blink. You will have to repeat step 5.

### Deleting a Single Learning Key

Once you used a particular key to store a new function on it, you may restore the original function of the key.

1. Press RCU SETUP until the last selected mode key blinks twice. Then press 9-7-6.
2. Press the mode key (for example DVD). The mode key blinks twice.
3. Press the key containing the learned function. The mode key blinks twice.
4. Press and hold RCU SETUP to exit programming.

### Deleting All Learned Keys

1. Press RCU SETUP until the last selected mode key blinks twice. Then press 9-7-6.
2. Press the mode key twice (for example DVD). All the learned keys for this mode will be cleared. The mode key blinks twice.
3. Press and hold RCU SETUP to exit programming.



**Using the Master Power Key**

Your remote has a feature that enables you to sequentially turn up to five devices on and off with a single key press. This functionality works only if the remote control is in STB mode.

1. Press RCU SETUP until the last selected mode key blinks twice.
2. Press 9-9-5. The last selected mode key will blink twice.
3. Press POWER.
4. Press the mode key for the device you would like to turn on first and press POWER. Then press the mode key for the second device to turn on and once again . Repeat the steps until adding all the devices you want to be operated.
5. To save settings press STB.
6. Next press RCU SETUP to exit programming.

**Volume Lock**

The remote control enables you to control volume level of different devices without selecting the mode key for each device. For example: if you are watching a film on your DVD player, you can adjust the volume for your TV set, without pressing the TV mode key on your remote control.

To set the Volume Lock for your TV:

1. Press and hold RCU SETUP until the last selected mode key blinks twice.
2. Press 9-9-3. The last selected mode key will blink twice.
3. Then press TV and the device key blinks twice.

**Deleting “Volume Lock” for a particular device** (for example: DVD)

1. Press DVD once.
2. Press and hold down the RCU SETUP key until the mode key blinks twice.
3. Press 9-9-3 . The mode key blinks twice.
4. Then press the VOL - key and the mode key will blink four times.

Now being in DVD mode, you will be able to control VOL+/- or MUTE functions of your DVD only (provided it has volume control).

**Deleting “Volume Lock” for all devices**

1. Press and hold RCU SETUP until the last selected mode key blinks twice.
2. Press 9-9-3.
3. Press the VOL + key and the last selected mode key will blink four times.

**Clearing Custom Programming**

You may clear the custom programming and revert to the default settings of the remote control. To do that, follow these steps:

1. Press RCU SETUP until the last selected mode key blinks twice.
2. Enter 9-8-0. The last selected mode key blinks twice, pauses, and blinks twice again.

This procedure does not affect your setup codes. They remain in memory of the remote control.

The following codes are used when configuring the remote control. First, find the manufacturer of your equipment and then try to codes one by one.

**Audio Amplifiers**

Adcom	0577, 1100
Bose	0674
Durabrand	1561
Elan	0647
GE	0078
Harman/Kardon	0892
JVC	0331
Left Coast	0892
Lenoxx	1561
Luxman	0165
Marantz	0892, 0321
McIntosh	0251
Nakamichi	0321
NEC	0264
Optimus	0395, 0823
Parasound	0246
Philips	0892
Pioneer	0823
Polk Audio	0892
RCA	0823
Realistic	0395
Sansui	0321
Shure	0264
Sony	0689, 0815, 1126
Soundesign	0078, 0211
Victor	0331
Wards	0078, 0211
Yamaha	0354, 0133

**Audio Receivers**

ADC	0531
Aiwa	1405, 0189, 0121, 0405, 1243, 1388, 1641
Akai	1512
Alco	1390
Amphion Media	<b>1563, 1615</b>
Works	
AMW	1563, 1615
Anam	1609, 1074
Apex Digital	1257, 1430, 1774
Arcam	1120
Audiotronic	1189
Audiovox	1390, 1627
B & K	0701, 0820, 0840
BK	0702

Bose	1229, 1629, 1841,1933		1288, 1316, 1548, 1633, 1763, 1764
Cambridge	1370	Philips	1189, 1269, 0189, 0391, 1120, 1266
Soundworks		Pioneer	1023, 0014, 0080, 0150, 0244, 0531, 0630, 1384
Capetronic	0531	Polaroid	1508
Carver	1189, 0189	Polk Audio	0189, 1289, 1414
Classic	1352	Proscan	1254
Coby	1389	RCA	1023, 1609, 1254, 0080, 0531, 1074, 1390, 1511
Curtis Mathes	0080	Rio	1869
Daewoo	1250	Samsung	1295, 1500
Delphi	1414	Sansui	0189
Denon	1360, 0004, 1142	Sanyo	1251, 1469, 1801
Fisher	1801	Sharp	0186, 1286
Gateway	1517	Sharper Image	1556
Go Video	1532	Sherwood	1077, 1517, 1653
Harman/Kardon	0110, 0189, 0891, 1304, 1306	Sirius	1627, 1811, 1987
Hitachi	1801	Sonic Blue	1532, 1869
Integra	0135, 1298, 1320	Sony	1058, 1441, 1258, 1759, 1622, 0474, 1349, 1406, 1442, 1558, 1658, 1758, 1858
JBL	0110, 1306	Soundesign	0670
JVC	1374, 1495, 1811, 1871	Stereophonics	1023
Kenwood	1313, 1570, 1569, 0186	Sunfire	1313
KLH	1390, 1412, 1428	Teac	1074, 1390, 1528
Koss	1366, 1497	Technics	1308, 1518, 0309
Lasonic	1798	Thorens	1189
LG	1293	Toshiba	1788
Linn	0189	Venturer	1390
Liquid Video	1497	Wards	0189, 0014, 0080
Magnavox	1189, 1269, 0189, 0391, 0531, 1514	XM	1406, 1414
Marantz	1189, 1269, 0189, 1289	Yamaha	0176, 0186, bbtel.com
Mitsubishi	1393		
Norcent	1389		
Nova	1389		
Onkyo	0135, 0842, 1298, 1320, 1531		
Optimus	1023, 0080, 0186, 0531, 0670, 1074		
Oritron	1366, 1497		
Panasonic	1308, 1518, 0309, 0367,		

	1176, 1276	<b>Multitech</b>	0883	<b>RCA</b>	1256	<b>Craig</b>	0831	<b>Jensen</b>	1016	<b>Oritron</b>	0651
	1331, 1375	<b>Myrio</b>	1602, 1822	<b>Sasktel</b>	1737	<b>Curtis Mathes</b>	1087	<b>JSI</b>	1423	<b>Panasonic</b>	0490, 0632,
Zenith	0857, 1293	<b>Pace</b>	1376, 1877,	<b>Samsung</b>	1376, 1877	<b>CyberHome</b>	0816, 0874,	<b>JVC</b>	0558,		0703, 1362,
			0237, 0008	<b>Scientific Atlanta</b>	1877, 0877		1023, 1024,		0623, 0867,		1462, 1490,
<b><u>Audio Accessories</u></b>		<b>Panasonic</b>	1376, 1877,	<b>Sony</b>	1006		1117, 1129,		1164, 1275,	<b>Philips</b>	0503, 0539,
Accurian	1106		0000, 0107	<b>Supercable</b>	0276		1502, 1537		1602, 1863		0646, 0675,
<b>Altec Lansing</b>	0607, 1056,	<b>Panther</b>	0637	<b>Thomson</b>	1256	<b>D-Link</b>	1881	<b>jWin</b>	1049, 1051		0854, 1260,
	1485	<b>Paragon</b>	0000	<b>Zenith</b>	0899	<b>Daewoo</b>	0784, 0705,	<b>Kawasaki</b>	0790		1267, 1354
<b>Apple</b>	1115, 1644	<b>Philips</b>	1305, 0317				0833, 0869,	<b>Kenwood</b>	0490, 0534,	<b>Pioneer</b>	0525, 0571,
<b>Cambridge</b>	1530	<b>Pioneer</b>	1877, 0877,	<b><u>DVD Players</u></b>			1169, 1172,		0682, 0737		0631, 0632
<b>Soundworks</b>			0144, 0533	<b>Accurian</b>	1072, 1416		1234, 1242,	<b>KLH</b>	0717, 0790,	<b>Polaroid</b>	1020, 1061,
<b>Creative</b>	0872	<b>Pulsar</b>	0000	<b>Adcom</b>	1094		1441, 1443		1020, 1149,		1086, 1245
<b>D-Link</b>	1522	<b>Quasar</b>	0000	<b>Advent</b>	1016	<b>Denon</b>	0490, 0634		1261		
<b>DLO</b>	1155	<b>RadioShack</b>	0883	<b>Aiwa</b>	0641	<b>Desay</b>	1407, 1455	<b>Konka</b>	0711, 0719,		
<b>Integra</b>	1789	<b>RCA</b>	1256	<b>Akai</b>	0695, 0770,	<b>Diamond Vision</b>	1316, 1609		0720, 0721		1316, 1478,
<b>iPort</b>	1917	<b>Regal</b>	0279, 0273		0899, 1089		1610	<b>Koss</b>	0651, 0896,		1480, 1482
<b>Marantz</b>	1491	<b>Runco</b>	0000	<b>Alco</b>	0790	<b>Disney</b>	0675, 1270		1423	<b>Polk Audio</b>	0539
<b>Motorola</b>	1464	<b>Samsung</b>	1376, 1877,	<b>Allegro</b>	0869	<b>Dual</b>	1068, 1085	<b>Kreisen</b>	1421	<b>Portland</b>	0770
<b>NaviPod</b>	1644		0144	<b>Amphion Media</b>	0872, 1245	<b>Durabrand</b>	1127	<b>Landel</b>	0826	<b>Presidian</b>	0675, 1072
<b>Netgear</b>	1785	<b>Sasktel</b>	1737	<b>Works</b>		<b>DVD2000</b>	0521	<b>Lasonic</b>	0798, 1173	<b>Prima</b>	1016
<b>OmniFi</b>	1605	<b>Scientific Atlanta</b>	1877, 0877,	<b>AMW</b>	0872, 1245	<b>Emerson</b>	0591, 0675,	<b>Lenoxx</b>	1127	<b>Primare</b>	1467
<b>Onkyo</b>	1789		0477, 0008,	<b>Apex Digital</b>	0672, 0717,		0821, 1268	<b>LG</b>	0591, 0741,	<b>Princeton</b>	0674
<b>Roku</b>	1828		0017		0755, 0794,	<b>Enterprise</b>	0591		0801, 0869,	<b>Proscan</b>	0522
<b>Sonance</b>	1917	<b>Sejin</b>	1602		0796, 0797,	<b>ESA</b>	0821, 1268,	<b>LiteOn</b>	1526	<b>ProVision</b>	0778
<b>SSI</b>	1522	<b>Sony</b>	1006		0830, 1004,		1443		1058, 1158,	<b>Qwestar</b>	0651
<b>Yamaha</b>	1809, 1810	<b>Starcom</b>	0003		1020, 1056,	<b>Fisher</b>	0670, 1919	<b>Loewe</b>	1416, 1440	<b>RCA</b>	0522, 0571,
		<b>Supercable</b>	0276		1061, 1100	<b>Funai</b>	0675, 1268,	<b>Magnavox</b>	0511		0717, 0790,
<b><u>Cable Boxes/Converters</u></b>		<b>Supermax</b>	0883	<b>Arrgo</b>	1023		1334		0503, 0539,		0822, 1022,
<b>ABC</b>	0003, 0008,	<b>Thomson</b>	1256	<b>Aspire Digital</b>	1168, 1407	<b>Gateway</b>	1073, 1077,		0646, 0675,	<b>Rio</b>	0869
	0014, 0017	<b>Tocom</b>	0012	<b>Audiologic</b>	0736		1158		0821, 1268,	<b>RJTech</b>	1360
<b>Americast</b>	0899	<b>Torex</b>	0003	<b>Audiovox</b>	0790, 1041,	<b>GE</b>	0522, 0815,	<b>Malata</b>	1506	<b>Rotel</b>	0623, 1178
<b>Amino</b>	1602, 1822	<b>Toshiba</b>	0000		1071, 1072,		0717	<b>Marantz</b>	0782, 1159	<b>Rowa</b>	0823
<b>Bell &amp; Howell</b>	0014	<b>Tristar</b>	0883		1121, 1122	<b>Go Video</b>	0744, 0715,	<b>McIntosh</b>	0539	<b>Sampo</b>	0698, 0752,
<b>Bell South</b>	0899	<b>V2</b>	0883	<b>Axion</b>	1071, 1072		0741, 0783,	<b>Memorex</b>	1273		1501
<b>Clearmaster</b>	0883	<b>Viewmaster</b>	0883	<b>B &amp; K</b>	0655, 0662		0833, 0869,		0695, 0831,	<b>Samsung</b>	0490, 0573,
<b>ClearMax</b>	0883	<b>Vision</b>	0883	<b>BBK</b>	1224		1044, 1075,	<b>Microsoft</b>	1270		0820, 0899,
<b>Coolmax</b>	0883	<b>Vortex View</b>	0883	<b>Bel Canto Design</b>	1571		1099, 1144,	<b>Mintek</b>	0522, 1708		1044, 1075
<b>Digeo</b>	1187	<b>Zenith</b>	0000, 0525,	<b>Blaupunkt</b>	0717		1158, 1304,		0839, 0717,	<b>Sansui</b>	0695
<b>Digi</b>	0637		0899	<b>Blue Parade</b>	0571	<b>Go Vision</b>	1443, 1730	<b>Mitsubishi</b>	1472	<b>Sanyo</b>	0670, 0695,
<b>Director</b>	0476	<b><u>Cable/DVR/PVR Combos</u></b>		<b>Broksonic</b>	0695, 0868,	<b>GoldStar</b>	1071, 1072	<b>Momitsu</b>	1521, 0521		0873, 1919
<b>Dumont</b>	0637	<b>Americast</b>	0899		1419	<b>GPX</b>	0741	<b>NAD</b>	1082	<b>Sensory Science</b>	1158
<b>General Instrument</b>	0476, 0810,	<b>Amino</b>	1822	<b>Buffalo</b>	1882	<b>Greenhill</b>	0699, 0769	<b>Nakamichi</b>	0741	<b>Sharp</b>	0630, 0675,
	0276, 0003	<b>Digeo</b>	1187	<b>Cary Audio Design</b>	1477	<b>Harman/Kardon</b>	0717	<b>NEC</b>	1222		0752, 1256
<b>GoldStar</b>	0144	<b>General Instrument</b>	0476, 0810	<b>CAVS</b>	1057	<b>Hitachi</b>	0582, 0702	<b>Nesa</b>	0785	<b>Sharper Image</b>	1117
<b>Hamlin</b>	0009, 0273	<b>Jerrold</b>	0476, 0810	<b>Centrios</b>	1577		0573, 0664,	<b>NeuNeo</b>	0717, 1603	<b>Sherwood</b>	0633, 0770,
<b>i3 Micro</b>	1602	<b>Motorola</b>	1376, 0810,	<b>Cinea</b>	0831		1247, 1919	<b>Next Base</b>	1454		1043, 1077,
<b>Jerrold</b>	0476, 0810,		1187, 1106,	<b>Cinego</b>	1399	<b>Hitekera</b>	0672	<b>NexxTech</b>	0826		1889
	0276, 0003,		1540, 0476	<b>CineVision</b>	0876, 0833,	<b>ilo</b>	1348, 1472	<b>Norcent</b>	1402	<b>Shinsonic</b>	0533, 0839
	0012, 0014				0869	<b>Initial</b>	0717, 1472		1003, 0872,	<b>Sigma Designs</b>	0674
<b>Memorex</b>	0000	<b>Myrio</b>	1822	<b>Citizen</b>	1277	<b>Innovative</b>	1542		1107, 1265,	<b>Sonic Blue</b>	0869, 1099
<b>Motorola</b>	1376, 0476	<b>Pace</b>	1376, 1877,	<b>Coby</b>	0778, 0852,	<b>Technology</b>		<b>Onkyo</b>	1457	<b>Sony</b>	0533, 1533,
	0810, 0276,		0237		1086, 1107,	<b>Insignia</b>	1268		0503, 0627,		0864, 1033,
	1187, 1254,	<b>Panasonic</b>	1376, 1877		1165, 1177,	<b>Integra</b>	0627	<b>Oppo</b>	0792		1431, 1432,
	1106, 1540	<b>Pioneer</b>	1877, 0877		1351	<b>Jaton</b>	1078	<b>OptoMedia</b>	1224, 1525		1433, 1548,
						<b>JBL</b>	0702	<b>Electronics</b>	0896		



<b>Kost</b>	1262, 1483		0014, 0019,		1347, 0747,		0174, 0135,		0178, 0171,		1101, 1285,
<b>KTV</b>	0180, 0030,		0098, 0155,		0309, 0149,		0090, 0038,		0015, 0056,		1286, 1287,
	0039, 0183,		0331, 0358,		0138, 0135,		0029, 0019,		0146, 0148,		1288, 1361,
	0185, 0217,		0836, 0868,		0110, 0039,		0018		0149, 0159,		1756
	0280		1550		0032, 0027,	<b>RCA</b>	1447, 0047,		0168, 0179,	<b>Technics</b>	0250, 0051
<b>LG</b>	1265, 0178,	<b>Monivision</b>	0700, 0843		0021, 0019,		2002, 1958,		0281, 0747	<b>Technol Ace</b>	0179
	0442, 0700,	<b>Motorola</b>	0093, 0055,		0018, 0003,		1953, 1948,	<b>Sharp</b>	0093, 0039,	<b>Technovox</b>	0007
	0829, 0856,		0835	<b>Petters</b>	0002		1547, 1347,		0153, 0157,	<b>Techview</b>	0847
	1178, 1325,	<b>Moxell</b>	0835	<b>Philco</b>	1523		1247, 1147,		0165, 0220,	<b>Techwood</b>	0051, 0003,
	1423, 1758,	<b>MTC</b>	0060, 0030,		0054, 0030,		1047, 0747,		0281, 0386,		0056
	1993		0019, 0049,		0019, 0020,		0679, 0278,		0398, 0491,	<b>Teknika</b>	0054, 0180,
<b>Loewe</b>	0136		0056, 0091,		0028, 0096,		0174, 0135,		0688, 0689,		0150, 0060,
<b>Logik</b>	0016		0185, 0216		0302		0090, 0038,		0818, 0851,		0092, 0016,
<b>Luxman</b>	0056	<b>Multitech</b>	0180, 0049,	<b>Philips</b>	1454, 0054,		0029, 0019,		1602		0019, 0039,
<b>LXI</b>	0047, 0054,		0217		0690, 1154,		0018	<b>Sheng Chia</b>	0093		0056, 0175,
	0154, 0156,	<b>NAD</b>	0156, 0178,		1483	<b>Realistic</b>	0154, 0180,	<b>Sherwood</b>	1399		0179, 0186,
	0178, 0148,		0866	<b>Pilot</b>	0030, 0019,		0178, 0030,	<b>Shogun</b>	0019		0312, 0322
	0747	<b>NEC</b>	0030, 0019,		0039		0019, 0032,	<b>Signature</b>	0016	<b>Telefunken</b>	0702, 0056,
<b>Magnavox</b>	1454, 0054,		0036, 0056,	<b>Pioneer</b>	0166, 0038,		0039, 0056,	<b>Signet</b>	1262		0074
	0030, 0706,		0170, 0434,		0172, 0679,		0165	<b>SIM2 Multimedia</b>	1297	<b>Tera</b>	0031
	1963, 1944,		0497, 0882,		0866, 1260,	<b>Rhapsody</b>	0183, 0185,	<b>Simpson</b>	0186, 0187	<b>Thomson</b>	0209, 0210
	1525, 1254,		1398, 1704		1398		0216	<b>Sony</b>	1100, 0000,	<b>TMK</b>	0178, 0056,
	1198, 0802,	<b>Neovia</b>	1338	<b>Polaroid</b>	0765, 0865,	<b>Runco</b>	0017, 0030,		0011, 0080,		0177
	0386, 0230,	<b>NetTV</b>	0762, 1755		1262, 1276,		0251, 0497,		0111, 0273,	<b>TNCi</b>	0017
	0187, 0186,	<b>Nikko</b>	0178, 0030,		1314, 1316,		0603, 1398		0353, 0810,	<b>Toshiba</b>	0154, 1256,
	0179, 0096,		0092, 0317		1326, 1327,	<b>Sampo</b>	0030, 0032,		0834, 1317		0156, 1265,
	0036, 0028,	<b>Noblex</b>	0430		1328, 1341,		0039, 0052,	<b>Soundesign</b>	0180,		0060, 1945,
	0024, 0020	<b>Norcent</b>	0748, 0824,		1498, 1523,		0100, 0110,		0178, 0179,		1935, 1704,
<b>Majestic</b>	0015, 0016		1089, 1365,		1991, 1992		0762, 1755		0186		1656, 1635,
<b>Marantz</b>	0054, 0030,		1589, 1590,	<b>Portland</b>	0092, 0019,	<b>Samsung</b>	0060, 0812,	<b>Sova</b>	1320, 1952		1356, 1343,
	0444, 0704,		1591		0039		0702, 0178,	<b>Soyo</b>	1520		1325, 1306,
	0854, 0855,	<b>Norwood</b>	1286	<b>Prima</b>	0761, 0783,		0030, 1903,	<b>Spectricon</b>	0003, 0137		1156, 0845,
	1154, 1398	<b>Micro</b>	1296 1303		0815, 0817,		1575, 1395,	<b>Squareview</b>	0171		0832, 0650,
<b>Matsushita</b>	0250, 0650	<b>Noshi</b>	0018		1933		1312, 1060,	<b>SSS</b>	0180, 0019		0149, 0036
<b>Maxent</b>	0762, 1211,	<b>NTC</b>	0092	<b>Princeton</b>	0700, 0717		0814, 0766,	<b>Starlite</b>	0180	<b>Tosonic</b>	0185
	1755	<b>Olevia</b>	1144, 1240,	<b>Prism</b>	0051		0427, 0408,	<b>Studio Experience</b>	0843	<b>Totevision</b>	0039
<b>Megapower</b>	0700		1331, 1610	<b>Proscan</b>	1447, 0047,		0329, 0056,	<b>Superscan</b>	0093, 0864	<b>Trical</b>	0157
<b>Megatron</b>	0178, 0145,	<b>Olympus</b>	1342		0747, 1347		0032, 0019	<b>Supre-Macy</b>	0046	<b>TVS</b>	0463
	0003	<b>Onwa</b>	0180	<b>Proton</b>	0178, 0003,	<b>Samsux</b>	0039	<b>Supreme</b>	0000	<b>Ultra</b>	0391, 1323
<b>MEI</b>	0185	<b>Optimus</b>	0154, 0250,		0031, 0052,	<b>Sansui</b>	0463, 1409,	<b>SVA</b>	0748, 0587,	<b>Universal</b>	0027
<b>Memorex</b>	0154, 0463,		0166, 0650		0466		1935		0768, 0865,	<b>Universum</b>	1337
	0150, 0178,	<b>Optoma</b>	0887	<b>Prottron</b>	1320, 1323	<b>Sanyo</b>	0154, 0088,		0870, 0871,	<b>US Logic</b>	1286, 1303
	0016, 0106,	<b>Optonica</b>	0093, 0165	<b>Proview</b>	0835, 1401,		0107, 0146,		0872	<b>Vector Research</b>	0030
	0179	<b>Orion</b>	0236, 0463,		1498		0159, 0232,	<b>Sylvania</b>	0054, 0030,	<b>Victor</b>	0053
<b>MGA</b>	0150, 0178,		1463, 0179	<b>Pulsar</b>	0017, 0019		0484, 0799,		0171, 0020,	<b>Video Concepts</b>	0098
	0030, 0019,	<b>Panasonic</b>	0250, 0051,	<b>Quasar</b>	0250, 0051,		0893, 1142		0028, 0065,	<b>Vidikron</b>	0054, 0242,
	0155		0055, 0162,		0055, 0165,		0219, 0650	<b>Sceptre</b>	0096, 0381,		1398
<b>Midland</b>	0047, 0017,		0375, 0650,	<b>RadioShack</b>	1447, 0047,		0019	<b>Scimitsu</b>	1271, 1944,	<b>Vidtech</b>	0178, 0019,
	0051, 0032,		1291, 1410,		2002, 1958,		0178	<b>Scotch</b>	1963		0036
	0039, 0135,		1941, 1946,		1953, 1948,		0236, 0180,	<b>Scott</b>	0180, 0171,	<b>Viewsonic</b>	0797, 0857,
	0747		1947		1547, 1347,		0178, 0019,		1944		0864, 0885,
<b>Mintek</b>	1603, 1990		0047, 0156,		1247, 1147,		0179, 0309	<b>Syntax</b>	1144, 1240,		1330, 1342,
<b>Minutz</b>	0021	<b>Penney</b>	0051, 0060,		1047, 0747,	<b>Sears</b>	0047, 0054,		1331		1578, 1627,
<b>Mitsubishi</b>	0093, 1250,		0178, 0030,		0679, 0278,		0154, 0156,	<b>Tandy</b>	0093		1755
	0150, 0178,							<b>Tatung</b>		<b>Viking</b>	0046, 0312



**VCRs**

ABS	1972	1479, 1278,	KLH	0072	0037, 0048,	Realistic	0035, 0037,	Technics	0035, 0162
Admiral	0048, 0209	0637, 1593,	Kodak	0035, 0037	0104, 0058,		0048, 0047,	Teknika	0035, 0037,
Adventura	0000	0593, 0561,	LG	1037	0432, 0454,		0000, 0104,		0000, 0052
Aiko	0278	0510, 0479,	Linksys	1972	0593, 1048,		0046, 0062,	Thomas	0000
Aiwa	0037, 0000,	0361, 0295,	Lloyd's	0000, 0208	1162, 1262		0066	Tivo	0618, 0636,
	0124, 0307,	0294, 0212,	Logik	0072	0062	Optonica	0614, 0616		0739, 1996
	0468	0211, 0208,	LXI	0037	0184, 0209,	Orion	1972	TMK	0240, 0036,
Akai	0041, 0049,	0088, 0068,	Magnasonic	0593, 1278	0002, 0295,		0034		0208
	0053, 0061,	0061, 0036	Magnavox	0035, 0039,	0479, 1479		0039	Toshiba	0045, 0043,
	0106, 0175	0047, 0104,		0081, 0000,	1062, 0035,	Panasonic	0075		0066, 0210,
Alienware	1972	0054, 0066		0149, 0110,	0162, 0077,		0240, 0045,		0212, 0366,
America Action	0278	0035, 0033		0563, 0593,	0102, 0225,		0051, 0053,		0845, 1008,
American High	0035	0000, 0593,	Magnin	1593, 1781	0226, 0227,		0739, 1014		1145, 1972,
Asha	0240	1593	Marantz	0240	0378, 0454,	Samtron	0643		1996
Audiovox	0037, 0278	0000	Marta	0035, 0081	0616, 1035,	Sanky	0048, 0039	Totevision	0037, 0240
Beaumarck	0240	1972	Matsushita	0037	1162, 1262	Sansui	0000, 0067,	Touch	1972
Bell & Howell	0104	0060, 0035,		0035, 0162,	0035, 0037,		0209, 0041,	Unitech	0240
Broksonic	0184, 0121,	0240, 0065,	Media Center PC	1972	0240, 0042,	Penney	0082, 0271,	Vector	0045
	0209, 0002,	0202, 0760,	MEI	0035	0038, 0040,		0479, 1479	Vector Research	0038,
	0211, 0295,	0761, 0807,	Memorex	0035, 0162,	0054, 1035,	Sanyo	0047, 0240,		0040
	0361, 0479,	1035, 1060		0037, 0048,	1237		0104, 0046,	Video Concepts	0045,
	1479, 1815	0232, 0279,		0039, 0047,	0042, 0065,	Pentax	0159		0040,
Calix	0037	0432, 0526,		0240, 0000,	0105		0184, 0045,		0061
Canon	0035, 0102	0643		0104, 0209,	0035	Philco	0121, 0043,	Videomagic	0037
Capehart	0020	0037, 0038,		0046, 0307,	0035, 0081,	Philips	0210, 0211,	Videosonic	0240
Carver	0081	0018, 1237		0454, 0479,	0062, 0110,		0212	Viewsonic	1972
CCE	0072, 0278	0000, 0408		1037, 1162,	0618, 0739,	Sears	0035, 0037,	Villain	0000
Citizen	0037, 0278,	0195		1237, 1262	1081, 1181		0047, 0000,	Voodoo	1972
	1278	0000	MGA	0240, 0043,	0037	Pilot	0042, 0104,	Wards	0060, 0035,
Colt	0072	0081,		0061	0067, 0058	Pioneer	0046, 0054,		0048, 0047,
Craig	0037, 0047,	0038, 0075	MGN Technology	0240	0081	Polk Audio	0066, 0105,		0081, 0240,
	0240, 0072,	0072, 0068	Microsoft	1972	0020	Portland	1237		0000, 0042,
	0271	0046	Mind	1972	1593	Presidian	0048, 0062,	Sharp	0072, 0149,
Curtis Mathes	0060, 0035,	1972	Minolta	0042, 0105	0240	Profitronic	0807, 0848		0062, 0212,
	0162, 0041,	0047	Mitsubishi	0067, 0043,	0060, 0202,	Proscan	0072	Shintom	0760
	0760, 1035	0000, 0042,		0061, 0075,	0760, 0761,		0240, 0051	Shogun	0209,
Cybernex	0240, 0051	0041, 0065,		0173, 0443,	1060		0072	Singer	0072,
CyberPower	1972	0082, 0089,		0807	0072	Protec	0614, 0616	Sonic Blue	0637
Daewoo	0045, 0278,	0105, 0166	Motorola	0035, 0048	0039, 0051	Pulsar	0035, 0032,	Sony	0035, 0000,
	0020, 0561,	1972	MTC	0240, 0000	0046	Quarter	0033, 0000,		0072
	0637, 1278	0042,	Multitech	0000, 0072	0046	Quartz	0011, 0034,	Yamaha	0038
Daytron	0020	0739	NAD	0058	0035, 0162,	Quasar	0636, 1032,	Zenith	0039, 0033,
Dell	1972	0739	NEC	0104, 0067,	0077, 0454,		1232, 1972		0000, 0209,
Denon	0042	1972		0041, 0038,	1035, 1162	Stack 9	1972		0034, 0479,
DirecTV	0739	1972		0040, 0050,	0000, 1037	STS	0042		0637, 1139,
Durabrand	0039, 0038	0041		0082	0037	Sylvania	0035, 0081,		1479
Dynatech	0000	0067, 0041,	Nikko	0037	0037		0000, 0043,	ZT Group	197
Electrohome	0037	0008, 0206,	Nikon	0034	0060, 0240,		0110, 0593,		
Electroponic	0037	0207, 0384,	Niveus Media	1972	0042, 0149,	Symphonic	1593, 1781		
Emerex	0032	1707	Noblex	0240	0058, 0065,		0000, 0593,		
Emerson	0037, 0184,	0037, 0278	Northgate	1972	0077, 0105,	Systemax	1593		
	0000, 0121,	0693	Olympus	0035, 0226	0106, 0202,	Tagar Systems	1972		
	0043, 0209,	0067, 0041,	Onkyo	0222	0760, 0761,	Tatung	0041		
	0002, 0278,	0038, 0384	Optimus	1062, 0162,	0807, 0880,	Teac	0000, 0041		
					1035, 1060				