

# Sole Control SC460, SC460R & DSC460 Remote Control Manual

*Important note for new owners:* Thank you for purchasing this remote. Right now, your remote will not work any device. You will need to program the remote once you install the batteries.

To program the remote, you will need to find the four-digit code number for your device in the Code Listing. There probably is more than one code listed since manufacturers make more than one remote. However, one of them should work your component.

It is important to know that the first code listed isn't necessarily the one that works your component. You may need to try more than one manufacturer code. Keep entering the codes in the remote following the Instructions in this manual.

The remote should work exactly as your original remote did. Enjoy!

If you have any problems please call a customer service representative at the InfoLine toll free at 1-800-962-3986.

## POWER UP!

1. On the back of the remote, slide the battery cover off in the direction of the arrow.
2. Install 4 'AAA' alkaline batteries, making sure the + and - marks match the diagram inside.
3. Replace the battery cover.
4. Test batteries by pressing the "xtra" key (in lower right corner) and make sure that the green light comes on above the "Power" key. (Improperly installed batteries may cause acid leakage and/or damage to your unit.)

## NOTE:

When you replace dead batteries or take them out, you will need to program your Sole Control.

## TV/VCR/CABLE/CD SET-UP:

1. Turn on the component that you want to set up. (TV, VCR, CBL, etc.) In the code listing find the 4-digit code numbers for your component brand.
2. Press the "xtra" key. The green light will come on.
3. Press the key of the component that you want to set up. (TV, VCR, CBL, etc.) The green light will blink once to indicate that the component has been selected, and then stay on.
4. Within thirty seconds, enter in a 4-digit code number. The green light will flash when code has been successfully entered.
5. Test code by pressing "Power" key (Play key for CD). If the component turns off, you've found the right code. Follow the same instructions to set up your other components. If the component doesn't turn off, return to step 2 and use the next 4-digit code listed.

Note: If none of the codes turn your component off, try the Brand Scan Mode, Auto Search Mode or Code Finder Mode.

## CHANGING COMPONENT MODES

After the remote has been programmed for multiple components, you must set the remote into the mode of the component you wish to control by pressing the corresponding component key. For example, if you turned on your TV and now would like to turn on your VCR, you must press the "VCR" key to put the remote into the VCR mode before you press "Power."

1. Press the key of the component that you want to control. (TV, VCR, CBL, etc.) If you were successful in changing modes, the green light will blink and the component key will light up.
2. Now you are in control of that particular component.

## CODE FINDER FOR TV/VCR ETC.

Code finder is another way of finding the code for your component and having it programmed in the remote. This is done by sending a different code, from the code book list, every time you press a key.

1. Turn on the component that you want to setup. (TV, VCR, etc.)
2. Press the "xtra" key. The green light will come on.
3. Press the key of the component that you want to set up. (TV, VCR, etc) The green light blinks and stays on.
4. Press "0" - "0" - "0" - "0". The green light will stay on for 8 seconds. You must start the next step before the light turns off.
5. Press the "Power" key off and on until your component turns off, waiting 2 seconds between each time you press power. You may have to press the power key more than 200 times before your component turns off.
6. As soon as the remote turns your component off, press the "xtra" key. The component is now programmed. To find that code, proceed (Stored Code Identification Mode).

## AUTOMATIC BRAND SCAN FOR TV/VCR/CABLE/CD

Automatic Brand Scan is another way of finding a specific code by manufacturer/brand only. (i. e., to access only Sony Codes use this mode)

1. First, find the brand code that matches your brand. Write it down.
2. Turn on the component that you want to setup. (TV, VCR, SAT, etc...)
3. Place the Remote on a sturdy mount, i. e., table, aim it at a component, Press the "xtra" key.
4. Press the component key that you want to set up (TV, VCR, SAT, etc...), and enter your brand code. The green light will come on and stay on.
5. The Remote will send out the command to turn off your component with long pauses (about 5 sec.) in between each code. Press the enter key as soon as the component turns off. The component is automatically programmed.



Note: The automatic Brand Scan Mode may take several minutes to complete. If the brand of your component is not listed, please use the "All Brand" scan mode listed below

### AUTO SEARCH SCAN MODE FOR TV/VCR/CABLE/CD

Automatic Search Scan is used to scan a complete list of all codes (i. e., to access all codes regardless of specific manufacturer/brand.)

THIS MODE IS NOT USED TO PROGRAM YOUR REMOTE.

By counting the number of times your component turns off and on, you will know how many codes there are that may work your component. Each time that your component turns off or on indicates that there is 1 code in the remote.

Example: the TV turns off and later turns back on --- There are "2" codes in the remotes memory that may work your TV.

1. Turn on the component that you want to setup. (TV, VCR, SAT, etc...).
2. Place the Remote on a sturdy mount, i. e., table, aim it at a component, Press the "xtra" key.
3. Press the component key that you want to set up (TV, VCR, SAT, etc...).
4. Enter "0001", by using the numerical keys. The Green light will blink continuously (this is the AUTO SEARCH MODE and can last up to 2 minutes.)
5. If the code for your component is in the memory of the remote it will shut off that component. If there are 2 codes in the remotes memory, the component will come back on.

Count the number of times your component turns on or off The number of times indicates the number of codes that may operate the component

Note: The automatic Brand Scan Mode may take several minutes to complete.

### SLEEP/TIMER FUNCTION

Your Remote is equipped and programmed with a SLEEP/TIMER function, separate from your TV or for a TV not equipped with SLEEP/TIMER.

1. Press "xtra" key.
2. Press "TV" key.
3. Press "Power" key.
4. Press numerical keys 01 -99 for the desired number of minutes. When the programed number of minutes has elapsed, the remote will turn off your TV. (Example: 01=1 minute; 99=99 minutes).
5. Point the remote at your TV, and leave in that position. When the programmed number of minutes has elapsed, the remote will turn off your TV.\*\*

Note: The remote can be used to control all functions and devices while in SLEEP/TIMER mode. To cancel SLEEP/TIMER mode, repeat steps 1-3. Enter the number 00 with the numerical keys to cancel the SLEEP/TIMER mode.

\*\*You must have your remote pointed at your TV for SLEEP/TIMER mode to work properly.

### MULTIPLE DEVICES

While In one mode, the remote allows you to use some features of your other components. The following chart lists which functions crossover to other components.

CURRENT MODE	OTHER MODE	CROSSOVER FUNCTIONS
VCR, CBL TV, CBL	TV VCR	Volume Up/Down, Mute Play, Pause, Stop, Fast Forward, Rewind, Record

### STORED CODE IDENTIFICATION MODE

Forget your Codes? If you didn't write down the code numbers when you programmed your remote and you haven't removed the batteries, your remote can tell you what your codes are. Just follow these instructions:

1. Press the "Xtra" key.
2. Press the component key for which you would like to know the code programmed. (TV, VCR, SAT, etc...)
3. Press the "ENT" key.
4. Count the number of times the light blinks. There will be four numbers, separated by a two second pause. Make sure you write the code number below for future use!

PRINT THIS PAGE AND KEEP IT IN A SECURE PLACE

TV	_____	_____	_____	_____
VCR	_____	_____	_____	_____
CBL	_____	_____	_____	_____
CD	_____	_____	_____	_____
RCVR	_____	_____	_____	_____
SAT	_____	_____	_____	_____

NOTE: 10 blinks=0, 1 blink=1

Example: 4 blinks-pause- 10 blinks-pause- 9 blinks-pause- 8 blinks; 4098

### TROUBLESHOOTING

Problem:

- A. No power in remote (no light).
- B. The green light didn't blink after the code was entered.
- C. Code enters into remote, but the component does not respond.
- D. None of the codes work the component.

Solution:

- A. Check battery installation and freshness. Press "xtra" to see if the green light comes on.
- B. Enter the code within 30 seconds after you press "xtra". Try the code again.
- C. Try the next code on the list. One of the codes should work your component.
- D. After trying all the codes, try the CODE FINDER.

The Remote doesn't seem to be responding.

- \* Take out the batteries.
- \* With the batteries out press all of the buttons on the front of the remote.
- \* Put the batteries back in and start over programming the remote

- \* The batteries must be fresh for the remote to program correctly

#### HELPFUL HINTS:

- \* Enter only one three-digit code at a time.
- \* The first code listed isn't always the one for your component. Some work better than others, therefore try them all.
- \* If none of the codes on the list work, try the CODE FINDER.
- \* Enter the code within thirty seconds after pressing 'xtra'.
- \* The most often used code for each brand is listed first.
- \* If you replace the batteries within 25 minutes after they have been taken out, the Codes which You have programmed will be retained.

#### 30 DAY SATISFACTION GUARANTEE

Recoton Corporation (the Company) warrants to the original retail purchaser of this product, that should you be dissatisfied with this Wireless product for any reason during the first thirty days, we will refund your money. Call 1-800 RECOTON to obtain information regarding the procedure for receiving a refund.

#### ONE YEAR LIMITED WARRANTY

Recoton Corporation (the Company) warrants to the original retail purchase, of this product that should the product or any part thereof be proven defective in material or workmanship within One Year from the date of original purchase, such defects will be replaced without charge for

parts or labor. This warranty does not apply to any incidental or consequential damages.

To obtain replacement within the terms of this warranty, the product should be delivered, transportation prepaid, to the Dealer where purchased or to the Company, along with proof of date of purchase. Call 1-800-RECOTON to obtain information regarding the procedure for proper return of your product if your Dealer does not honor the warranty.

THIS WARRANTY DOES NOT APPLY TO ANY PRODUCT OR PART THEREOF WHICH HAS BEEN DAMAGED THROUGH ALTERATION, MISHANDLING, MISUSE, NEGLIGENCE OR ACCIDENT. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND NO PERSONS OR REPRESENTATIVE IS AUTHORIZED TO ASSUME FOR THE COMPANY ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THIS PRODUCT SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGE SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

#### NON-WARRANTY SERVICE

If non-warranty service is required, the product may be sent to the Company for repair/replacement, transportation prepaid, by calling 1-800-RECOTON for details, complete instructions, and service fee charges.

#### TV MODE KEYS/XTRA FUNCTION

Key	Standard	Xtra	Key	Standard	Xtra
0	0 CH10	ch U4 (ch --)	PLAY	Play	PIP Swap
1	1 CH 1	CC	>>	Fast Forward	Menu Adj + (Color +)
2	2 CH2	CH 12 (Norm) Fine Tune Norm	REC	Record	PIP Move
3	3 CH3	CH 13 (Timer)	STOP	Stop	PIP Freeze
4	4 CH4	Antenna (Clk Set)	PAUSE	Pause	PIP Size
5	5 CH5	AV Aux	TV-VCR	TV/VCR (TV/CATV)	TV/CATV
6	6 CH6	Ant/CATV (Menu Reset)	MUTE	Mute	Ant/Aux
7	7 CH7	Ch U1 (FAV 2)	MENU	Menu (Setup) (Input Select)	Cancel (Menu Off)
8	8 CH8	Ch U2 (FAV 3)	<<	Rewind	Menu Adj - (Color -)
9	9 CH9	Ch U3 (FAV 4)	SELECT	Confirm/ Set/Done/OK Return Setup Favorite Channel Channel List Select Source Antenna	Language LD
CH+	CH+	PIP CH + (Fine Tune +) (Scan +) (RTune) (Input +)-	PGM	Prgm (Cancel) (Ch Guide) (Function)	Language Sel

CH-	CH-	PIP CH - (Fine Tune -) (Ch Scan -) (Input -)	UP ARROW	Menu Up/Next (Pict +) (Prog/Preset +) (Contrast +)	Audio + (Bright +)
ENTER	ENTER (Display)	Add (Add/Del)	DOWN ARROW	Menu Dn/Prev (viPict -) (chProg/Preset -) (viContrast -)	Audio - (Bright -)
RECALL	Last Channel	Channel Erase (Favorite Channel)	AUDIO	Audio	Surr Mode
VOL+	Volume +	PIP On (Tint+)	SLEEP	Sleep	Display Time (Strobe)
VOL-	Volume -	PIP Off (Tint-)	VIDEO	Video	MONO/ST Source Stereo

#### VCR MODE KEYS/XTRA FUNCTION

Key	Standard Function	Xtra Function	Key	Standard Function	Xtra Function
0	CH 0 (0)	CH10 (Speed Sel)	PLAY	Play	Slow Fwd (Play Fast)
1	CH 1 (1)	CH 11 (Play X2) (CH U1)	>>	Fast Forward	Menu Adj + (Frame Fwd)
2	CH 2 (2)	CH 12 (PLAY X3) (Ch U2)	REC	Rec	Slow Speed (Monitor)
3	CH3	CH 13 (Counter) (CH U3)	STOP	Stop	Slow Speed +
4	CH4	CH 14 (Count Mem) (CH U4)	PAUSE	Pause/Still	Still

5	CH5	CH 15 (Count Reset)	TV-VCR	TV/VCR (Ant/VCR) (TV/CATV)	ANT/AUX (Event SEL)
6	CH6	CH 16 (Goto)	MUTE	Mute (1---)	Repeat Play (Index Search)
7	CH7	CH 17 (Index Mark) (Slow 1/10)	MENU	Menu On/Off (Setup)	Cancel (Antenna) (Input SEL)
8	CH8	CH 18 (Index Erase) (Slow 1/7)	<<	Rew	Menu Adjust- (Slow Rev) (Rev)
9	CH9	CH 19 (Auto Track) (Slow 1/5)	AUDIO	Audio Menu (MONO/ST) (Stereo)	Add/Del (Add) (Language Sel)
CH+	Ch +	Tracking+ (Slow Tracking +)	SLEEP	Standby (Sleep) (Timer Off)	Erase (Timer)
CH-	Ch-	Tracking - (Slow Tracking -)	UP ARROW	Menu Up/Next (Rec Start Time +)	P Search Fwd (Set fast +) (Clk Set +) (Rec Length +) (Input +)
ENTER	ENTER	Display CH (Clock)	DOWN ARROW	Menu Dn/Prev (Rec Start Time -)	P Search Rw (Set fast -) (Clk Set -) (Rec Length -) (Input -)
RCL	Last Channel (Favorite Channel)	Clk Set	VIDEO	Video Menu (Menu Off) (Function)	Clear (Reset)
VOL+	Vol +	Index + (Frame Fwd)	VOL-	Vol -	Index - (Frame Rew)

#### CABLE MODE KEYS/XTRA FUNCTION

Key	Standard	Xtra	Key	Standard	Xtra
0	0/10	Mem/Program0 CH10	PLAY	Play	Mono/Stereo
1	1	Mem/Program1 CH 11	>>	FFWD	Menu Adj +
2	2	CH 12 Mem/Program2	<<	REW	Menu Adj -
3	3	CH 13 Mem/Program3	STOP	Stop	PC
4	4	CH 14 Mem/Program4	MUTE	Mute	Erase
5	5	CH 15 Mem/Program5	TV-VCR	TV/CATV	*
6	6	CH 16 Mem/Program6	AUDIO	Audio	Audio
7	7	Mem/Program7	MENU	Menu On/Off (Function)	Scan +
8	8	Mem/Program8	RCL	Recall (FAVORITE)	Last Channel
9	9	Mem/Program9	SLEEP	Sleep	TCP (Clk Set)
CH+	CH+	Fine Tune+	VIDEO	Video	*
CH-	CH-	Fine Tune-	UP ARROW	Index + (Pict +) (Prgm Edit +)	Speed Next (Slow Fwd)
ENT	ENTER	Add (Add/Del)	DOWN ARROW	Index - (Pict -) (Prgm Edit -)	Speed Prev (Slow Rew)
VOL+	Volume +	Chan Scan+	VOL-	Volume -	Chan Scan-

#### CD MODE KEYS/XTRA FUNCTION

Key	Standard	Xtra	Key	Standard	Xtra
0	0 (Track 0)	Disc10 (Track 10) (File Level) (ID Start Write)	PLAY	Play	Intro Scan (Rev Play) (AMS)
1	1 (Track 1)	Disc 1 (Track 11) (Side A) (Side A/B)	>>	FFWD	Strobe+ (Frame FWD)

2	2 (Track 2)	Disc 2 (Track 12) (Side B)	REC	REC (Prgm Edit)	Mem Scan
3	3 (Track 3)	Disc 3 (Track 13) (Space) (Side C)	STOP	Stop	Shuffle (Random)
4	4 (Track 4)	Disc 4 (CD Track 14) (Repeat Side A) (Side D) (ID Auto)	PAUSE	Pause	Side A/B
5	5 (Track 5)	Disc 5 (Track 15) Repeat Side B) (ID End Erase)	TV-VCR	TV/Disc	Continue (Repeat)
6	6 (Track 6)	Disc 6 (Track 16) (Repeat 1/All) (Repeat 1) (ID End Write)	MUTE	Mute (Display Mode)	File (Prgm Check)
7	7 (Track 7)	Disc 7 (Track 17) (Mem Scan) (File User) (ID Skip Erase)	MENU	Menu On/Off (Prgm Auto) (Prgm Chk)	Program Exit (Seek) (Language Sel) (Mem Store)
8	8 (Track 8)	Disc 8 (Track 18) (File) (ID Skip Write)	<<	REW	Strobe - (Frame Rev)
9	9 (Track 9)	Disc 9 (Track 19) (File Del) (ID Start Erase)	AUDIO	Audio (Digital/Analog Index)	Audio Monitor (Fade Out) (Peak Srch)
CH+	Skip+	Speed + (Disc +)	VIDEO	Video (Antenna) (Ant A/B)	Fade In (MemCir)
CH-	Skip-	Speed - (Disc -)	UP ARROW	Index + (Pict +) (Prgm Edit -)	Speed Next (Slow FWD)
ENTER	ENTER (Track 10+)	*	DOWN ARROW	Index - (Prgm Edit -) (Pict -)	Speed Prev (Slow REW)
RCL	Last (Track 20+) (Function)	Repeat All Repeat A-B Repeat 1 Clear Repeat	SLEEP	Sleep (Timer) (Track No)	*
VOL+	Volume + Line Out +	Chapter + (Log Fwd/Rev)	VOL-	Volume - Line Out-	Chapter - (Log Fwd/Rev)

#### AUDIO MODE KEYS/XTRA FUNCTION

Key	Standard	Xtra	Key	Standard	Xtra
0	0	20 (Select FM) (Select AUX)	PLAY	Play	Tape Direction A/B (Reverse Play) (Phono Start)
1	1 (ID Auto) (Select Source 1)	11 (Select AM/FM)	>>	FWD	Menu Adj +
2	2 (ID Start Write) (Select Source 2)	12 (Select TV)	REC	Record Play/Pause	((Auto) Record Mute)
3	3 (ID End Write) (Select Source 3)	13 (Select CD)	STOP	Stop	Phone Stop (Select Tape 3)
4	4 (ID End Write) (Select Source 4)	14 (Select Tape 1)	PAUSE	Pause	Phono Cue
5	5 (ID Start Erase)	15 (Select Tape 2)	TV-VCR	TV/VCR	*

6	6 (ID End Erase)	16 (Select Tuner)	<b>MUTE</b>	Mute (20db)	Mono/Stereo
7	7	17 (Select Phono) (Counter)	<b>MENU</b>	Menu (Function)	Tape Dup (ProLogic) (THX) (Select A & B Speakers)
8	8 (ID Skip Play)	18 (Select VCR 1) (Reset)	<<	Rewind	Menu Adj -
9	9	19 (Select VCR 2) (Select LD)	<b>POWER</b>	Power (On) (Aux On)	Power Off (Aux Off) (Tape Open/Close)
<b>CH+</b>	Preset + (Scan +) (Scan Mode)	Balance Right (Seek +) (Tape Skip >>)	<b>PGM</b>	Select Tape Deck A/B	Search (Select CD Tape)
<b>CH-</b>	Preset- (Scan -) (Seek Mode)	Balance Left (Seek -) (Tape Skip <<)	<b>MENU UP</b>	Menu Up (Tape Size Select)	Select Main (A) Speakers (Timer)
<b>ENT</b>	ENTER		<b>MENU DOWN</b>	Menu Down (Tape Speed Select)	Select Remote (B) Speakers (Timer)
<b>RCL</b>	Recall	Display	<b>AUDIO</b>	Tape Monitor (AMS) (Sub Bass)	Loudness (Karaoke) (Select PreAmp)
<b>VOL+</b>	Vol +	Tape Direction A (Fade In)	<b>SLEEP</b>	Sleep	Select SAT (Select CD 2) (Tape Monitor 2)
<b>VOL-</b>	Vol -	Tape Direction B (Fade Out)	<b>VIDEO</b>	Select A/B... (Preset Group A/B) (Text Display) (Video)	Select LD 2

9	9	19 (Select VCR 2) (Select LD)	<b>POWER</b>	Power (Aux On)	Power Off (Aux Off) (Tape Eject)
<b>CH+</b>	Preset + (Scan +) (Scan Mode)	Delay + (Seek +) (Tape Skip >>) Bass +	<b>PGM</b>	Tape Deck A/B	Surround Left Delay Left + Search Select CD/Tape
<b>CH-</b>	Preset- (Scan -) (Seek Mode)	Delay - (Seek -) (Tape Skip >>) Bass -	<b>MENU UP</b>	Surround + Center Vol. + Balance Front	Center Vol. + Input + Select Front Speakers
<b>ENT</b>	ENTER	Select LD VDP Time	<b>MENU DOWN</b>	Surround - Center Vol. - Balance Rear	Center Vol. - Input - Select Rear Speakers
<b>RCL</b>	Recall	Select DAT Display	<b>AUDIO</b>	Tape Monitor (AMS) (Sub Bass)	Surround Right + Delay Right + (Karaoke) (Select PreAmp) Select Main A Speakers Loudness
<b>VOL+</b>	Vol +	Tape Direction A (Fade In)	<b>SLEEP</b>	Sleep	Surround Left - Delay Left - (Select SAT) Select CD 2 Tape Monitor 2
<b>VOL-</b>	Vol -	Tape Direction B (Fade Out)	<b>VIDEO</b>	Select A/B/... (Preset Group A/B) (Delay)	Surround Right - Delay Right - (Select LD VDP 2) Select remote B Speakers

#### SURROUND MODE KEYS/XTRA FUNCTION

Key	Standard Function	Xtra Function	Key	Standard Function	Xtra Function
0	0	(Select FM)	<b>PLAY</b>	Play	Tape Direction A/B (Reverse Play) (Phono Start)
1	1 (Source 1)	11 (Select AM/FM)	>>	FWD	Balance Right Menu Adj +
2	2 (Source 2)	12 (Select TV)	<b>REC</b>	Rec	((Auto) Record Mute) Bypass
3	3 (Source 3)	13 (Select CD)	<b>STOP</b>	Stop	Phone Stop Surround Off
4	4 (Source 4)	14 (Select Tape 1)	<b>PAUSE</b>	Pause	Phono Cue Select DAT
5	5	15 (Select Tape 2)	<b>TV-VCR</b>	Function Select AV Alt. Logic	Select AUX Center Front
6	6	16 (Select Tuner)	<b>MUTE</b>	Mute (20db)	Test Mode
7	7	17 (Select Phono) (Counter)	<b>MENU</b>	Surround Mode Center Mode	Tape Dup (ProLogic) (THX) (Select A & B Speakers)
8	8	18 (Select VCR 1) (Reset)	<<	Rewind	Balance Left Menu Adj -

#### SAT MODE KEYS/XTRA FUNCTION

Key	Standard Function	Xtra Function	Key	Standard Function	Xtra Function
0	0	Aux Antenna	<b>PLAY</b>	Play	Surround Mode Mono Stereo
1	1	Westar	>>	Fast Foward	Menu Adj +
2	2	Telestar	<b>REC</b>	Record/Play/Pause	DNR
3	3	Message	<b>STOP</b>	Stop	
4	4	Text	<b>PAUSE</b>	Pause	
5	5	Help	<b>TV-VCR</b>	TV/SAT	Galaxy
6	6	View	<b>MUTE</b>	Mute	Starcom
7	7	Next	<b>MENU</b>	Menu Tune	Polarity
8	8	Ku/C Ku Band Select	<<	Rewind	Menu Adj -
9	9	C Band Select	<b>SLEEP</b>	Tape Monitor AMS Sub Bass	Volume Left -
<b>CH+</b>	CH+	Fine Tune +	<b>PGM</b>	Select Tape Deck A/B	Language Sel
<b>CH-</b>	CH-	Fine Tune -	<b>MENU UP</b>	Menu Up/Next	Picture + Add
<b>ENT</b>	ENTER	Comstar Clock Timer	<b>MENU DOWN</b>	Menu Dn/Prev	Picture - Erase Clear
<b>RCL</b>	Favorite Last	Comstar	<b>AUDIO</b>	Sleep	Volume Right +
<b>VOL+</b>	Vol +	Skew +	<b>VIDEO</b>	Select A/B/... Preset Group A/B Text Display Video	Volume Right -
<b>VOL-</b>	Vol -	Skew -			

#### TV CODES

<b>A Mark</b>	4572
<b>AOC</b>	4632 4622 4465 4446 4431 4401
<b>Admiral</b>	4639 4548 4547 4521 4479
<b>Akai</b>	4517 4501 4415 4401
<b>Anam</b>	4417
<b>Anam National</b>	4424
<b>Audiovox</b>	4419

<b>Baycraft</b>	4547 4491 4490 4465
<b>Bell &amp; Howell</b>	4639 4548 4531 4480 4479
<b>Broksonic</b>	4606 4602 4601 4547 4503 4441 4417 4401
<b>CXC</b>	4419 4417
<b>Candle</b>	4632 4614 4608 4606 4602 4574 4573 4572 4516 4505 4494 4490 4489 4477 4465 4446 4431 4417 4401
<b>Citek</b>	4663

<b>Citizen</b>	4602 4573	<b>Magnasonic-</b>	4548 4489 4415 4401
<b>Classic</b>	4501 4401	Also see	
<b>Colortyme</b>	4607 4582 4568 4554 4521 4516 4508 4468 4439 4425	Daewoo/Goldstar	
<b>Concherto</b>	4606	<b>Magnavox</b>	4626 4608 4606 4598 4593 4586 4582 4581 4576 4573 4548 4544 4531 4520 4508 4501 4490 4489 4480 4470 4466 4465 4452 4431 4428 4422 4415 4407 4401 4399
<b>Contec Cony</b>	4590 4514 4472 4419 4417	<b>Marantz</b>	4584 4582 4531 4480 4466 4465 4461 4431 4415
<b>Craig</b>	4602 4516 4490 4486 4452 4419	<b>Matsushita-Also</b>	4555
<b>Crowsley</b>	4531 4480	see Panasonic	
<b>Crown</b>	4572 4490	<b>Megatron-Also</b>	4491
<b>Curtis</b>	4623 4598 4401	see Hitachi	
<b>Curtis Mathis</b>	4641 4614 4574 4572 4531 4521 4516 4480 4465 4439 4431 4415	<b>Memorex</b>	4671 4654 4639 4628 4584 4571 4551 4451 4401
<b>DaeWoo</b>	4664 4655 4633 4632 4623 4598 4574 4573 4572 4494 4465 4446 4431 4424 4401	<b>Mitsubishi</b>	4665 4630 4628 4610 4595 4582 4571 4555 4517 4495 4470 4465 4453 4446 4431 4415 4410 4401
<b>Daytron</b>	4632 4623 4572 4465 4452 4446	<b>Multivision</b>	4656 4543
<b>Denon</b>	4640	<b>NAD</b>	4451
<b>Electrohome</b>	4579 4572 4571 4517 4495 4465 4446 4415 4407 4401	<b>NEC</b>	4607 4568 4567 4466 4465 4461 4431 4415
<b>Emerson</b>	4669 4668 4667 4614 4607 4601 4590 4572 4548 4547 4546 4514 4512 4511 4490 4489 4486 4482 4472 4466 4465 4456 4452 4446 4423 4419 4418 4417 4415 4409 4408 4407 4401	<b>Nikko-Also see</b>	4632
<b>Encore</b>	4579	Daewoo/Goldstar	
<b>Envision</b>	4439 4431	<b>Nishi</b>	4516
<b>Fisher</b>	4515 4594 4585 4560 4551 4534 4519 4504 4501 4473 4459 4458 4454 4432 4415	<b>Nyon</b>	4441 4401
<b>Fortress-Also</b>	see Daewoo	<b>Onwa</b>	4417
<b>Funai-Also see</b>	4489 4442 4419 4417	<b>Optimus-Also</b>	4629
Daewoo		see Radio Shack	
<b>Futuretech</b>	4417	<b>Orion</b>	4547
<b>GE</b>	4641 4624 4596 4521 4520 4505 4465 4461 4441 4438 4436 4434 4426 4424 4417 4413 4401	<b>Panasonic</b>	4672 4655 4651 4632 4618 4611 4610 4520 4494 4487 4486 4484 4466 4443 4438 4434 4424 4419
<b>Garrard</b>	4672	<b>Philco</b>	4632 4626 4606 4598 4593 4586 4582 4581 4576 4573 4548 4544 4531 4508 4490 4489 4480 4470 4466 4465 4452 4431 4428 4422 4415 4407 4401 4399
<b>GoldStar</b>	4622 4621 4600 4584 4574 4572 4479 4477 4465 4446 4439 4431 4420 4401	<b>Philips</b>	4606 4582 4573 4531 4508 4480
<b>Gradiente</b>	4500	<b>Pioneer</b>	4629 4619 4618 4466 4465 4461
<b>Granada</b>	4582 4579 4572 4483	<b>Portland</b>	4623 4574 4572 4465 4446 4431 4401
<b>Grundig</b>	4650 4572 4530 4520 4487 4466	<b>Prima</b>	4649 4574
<b>Hallmark</b>	4401	<b>Prism</b>	4466
<b>Harman Kardon</b>	4401	<b>Proscan-Also</b>	4642 4641 4521
<b>Hitachi</b>	4666 4632 4616 4611 4579 4572 4571 4548 4535 4521 4520 4512 4491 4483 4465 4453 4450 4446 4444	see RCA	
<b>Infinity</b>	4582	<b>Proton</b>	4602 4584 4572 4562 4521 4490 4465 4450 4446 4425 4415 4401
<b>JBL</b>	4582	<b>Pulsar</b>	4632 4601 4600 4584 4465 4425 4401
<b>JC Penney</b>	4621 4585 4584 4572 4521 4520 4516 4505 4484 4441 4434 4431 4401	<b>Quasar</b>	4655 4618 4616 4611 4610 4520 4487 4484 4466 4452 4443 4424
<b>Jensen</b>	4546	<b>RCA</b>	4642 4641 4618 4596 4521 4496 4446 4441 4434
<b>JVC</b>	4573 4549 4536 4520 4515 4494 4474 4446	<b>Radio Shack-</b>	4653 4618 4571 4550 4531 4521 4519
<b>KMC</b>	4590 4572 4565 4564 4465 4446 4423 4417 4412	Also see	4492 4451 4446 4445 4427 4419 4417
<b>KTV</b>	4590 4501 4431 4412	Optimus	
<b>Kawasho</b>	4590 4501 4431 4412	<b>Remocon</b>	4574
<b>Kenwood</b>	4607 4529 4461 4431 4415 4401	<b>Rent-Co</b>	4598
<b>Kloss</b>	4618 4399	<b>Runco</b>	4652
<b>Novabeam</b>		<b>SSS</b>	4431 4417 4415
<b>LXI-Also see</b>	4672 4531 4521 4401	<b>Sampo</b>	4611 4465 4431 4424
Sanyo/Sears		<b>Samsung</b>	4671 4670 4614 4575 4572 4548 4516 4515 4505 4465 4446 4431 4401
<b>Lloyds</b>	4607 4600 4571	<b>Sansui</b>	4492
<b>Logik</b>	4649 4648 4639	<b>Sanyo</b>	4615 4494 4585 4551 4534 4519 4504 4473 4458 4454 4432 4429
<b>MGA-Also see</b>	4639 4628 4517 4415	<b>Scott</b>	4572 4547 4544 4489 4482 4465 4446 4419 4417
Mitsubishi			
<b>MTC</b>	4632 4626 4606 4590 4551 4516 4431 4425 4401		

**Sears** 4641 4615 4606 4585 4579 4560 4551  
 4534 4531 4521 4519 4508 4504 4483  
 4473 4469 4459 4458 4446 4441 4432  
 4429 4423 4417 4401  
**Sharp** 4643 4631 4622 4608 4607 4575 4572  
 4571 4554 4552 4550 4548 4492 4468  
 4450 4446 4427  
**Signature-See** 4652 4639 4550 4458  
 also Montgomery  
**Wards**  
**Silver** 4415 4401  
**Simpson** 4415 4401  
**Sony** 4657 4607 4569 4501 4497 4463 4446  
 4410  
**Soundesign** 4546 4512 4490 4465 4417 4407 4401  
**Sylvania** 4632 4626 4608 4606 4598 4593 4586  
 4582 4581 4576 4573 4544 4531 4508  
 4490 4489 4480 4469 4466 4465 4452  
 4431 4428 4422 4415 4407 4401 4399  
**Symphonic**  
**Tandy** 4672 4489 4419 4418  
 4531  
**Tatung** 4602 4455 4424  
**Technics** 4658 4611 4610 4520 4487 4466  
 4508 4415  
**Techwood**  
**Teknika** 4663 4639 4632 4600 4490 4465 4461  
 4446 4431 4419 4417  
**Telefunken** 4607  
**TMK** 4607 4415 4401  
**Toshiba** 4636 4595 4585 4584 4560 4516 4459  
 4458  
**Totevision** 4521  
**Ultra** 4632  
**Video Concepts** 4555 4417  
**Videokron** 4660 4645  
**Vidikron** 4645 4480  
**Vidtech** 4431  
**Viewmax** 4574  
**Wards** 4652 4639 4598 4584 4581 4573 4554  
 4548 4521 4516 4492 4490 4489 4480  
 4465 4436 4434 4431 4427 4401  
 4672 4652 4639  
**XR 1000** 4607 4466 4431  
**Yamaha**  
**Zenith** 4639 4632 4479 4476 4468 4420

#### VCR CODES

**Aiwa** 6638 6616  
**Akai** 6691 6676 6623  
**Beaumarck** 6615  
**Broksonic** 6770 6759 6701 6609  
**Candle** 6789 6752 6688 6687 6686 6662 6631  
 6627 6621 6615 6609 6604  
**Canon** 6644 6636  
**Capehart** 6790 6632  
**Citizen** 6789 6752 6688 6687 6686 6662 6631  
 6627 6621 6615 6609 6604  
**Colortyme** 6771 6731 6729 6704 6636  
**Craig** 6825 6743 6662 6644 6641  
**Curtis Mathis** 6804 6765 6732 6731 6680 6657 6636  
 6631 6627 6621 6615 6611  
**DaeWoo** 6790 6789 6788 6752 6888 6632 6610  
 6604  
**Daytron** 6790 6752 6632  
**Denon** 6797 6745  
**Dynatech** 6700 6621  
**Electrohome** 6682 6678 6667 6662 6659 6656 6620  
 6609

**Emerson** 6832 6831 6830 6815 6772 6770 6759  
 6746 6719 6714 6701 6690 6684 6683  
 6682 6662 6652 6638 6631 6625 6621  
 6620 6616 6612 6609  
**Fisher** 6803 6743 6733 6705 6700 6696 6690  
 6641 6622  
**Funai** 6687 6638 6686 6675 6618 6615 6612  
**GE** 6758 6732 6731 6704 6657 6636 6627  
 6623 6615  
**Genexxa** 6638  
**Go Video** 6816 6814  
**GoldStar** 6686 6675 6618 6615 6612  
**Granada** 6682 6620 6609  
**Hitachi** 6818 6758 6706 6700 6697 6654 6640  
 6627  
**Homeline** 6662  
**JC Penney** 6711 6662 6654 6636 6619 6615  
**Jensen** 6679  
**JVC** 6811 6783 6782 6772 6771 6748 6726  
 6717 6706 6690 6679 6650 6647 6642  
 6630 6620 6608 6607 4515  
**Kenwood** 6765 6705 6690 6679 6611  
**Lloyd** 6765 6687 6641 6638  
**Logik** 6727 6644  
**LXI-Also see** 6803 6780 6754 6738 6735 6706 6705  
**Sears/Sanyo** 6696 6690 6688 6665 6662 6654 6641  
 6638 6622 6621 6608  
**Magnasonic-** 6752 6662  
 Also see  
**Daewoo/Goldstar**  
**Magnavox** 6771 6732 6718 6714 6704 6684 6663  
 6646 6644 6638 6624 6621 6609  
**Magnin** 6615  
**Marantz** 6825 6765 6732 6686 6665  
**Marta** 6662  
**Matsui** 6638  
**Matsushita-Also** 6636  
 see Panasonic  
**MEI** 6700  
**Memorex** 6743 6738 6733 6690 6666 6662 6654  
 6644 6641  
**MGA-Also see** 6620  
**Mitsubishi**  
**MGN-Also see** 6615  
**Magnin**  
**Midland** 6715  
**Minolta** 6654  
**Mitsubishi** 6833 6828 6808 6787 6750 6702 6682  
 6678 6667 6662 6659 6656 6620 6609  
**Montgomery** 6694 6682 6666 6662 6642 6641 6638  
**Wards** 6615 6609 6606  
**MTC** 6687 6644 6638  
**Multitech** 6687 6638  
**NEC** 6771 6765 6754 6726 6717 6686 6680  
 6679 6665 6658 6611  
**Optimus-Also** 6662  
 see Realistic  
**Optonica-Also** 6642  
 see Sharp  
**Panasonic** 6835 6804 6771 6732 6731 6718 6716  
 6714 6704 6663 6644 6636 6621 6609  
 4533  
**Pentax** 6765  
**Philco** 6732 6704 6687 6663 6646 6638 6636  
 6609  
**Philips** 6732 6704 664 6636 6621 6609  
**Pioneer** 6826 6795 6614  
**Portland** 6790 6632 6604  
**Proscan-Also** 6801 6800 6793 6792  
 see RCA

**Proton** 6644  
**Pulsar** 6773 6715 6615 6752 6751 6638 6636  
**Quasar** 6804 6732 6731 6718 6663 6636 6609  
 4533  
**Radio Shack** 6803 6743 6738 6733 6694 6682 6662  
 6641 6638 6636  
**RCA** 6801 6799 6798 6793 6792 6775 6758  
 6747 6746 6731 6722 6721 6719 6716  
 6706 6704 6697 6677 6660 6657 6654  
 6636 6627 6615 6614 6607  
**Realistic-See** 6738 6733 6732 6705 6696 6694 6638  
 also Radio Shack 6615 6613 6606  
**Samsung** 6834 6716 6638 6627 6615  
**Sansui** 6770 6717 6644  
**Sanyo** 6803 6743 6733 6705 6696 6690 6641  
 6622  
**Scott** 6719 6714 6683 6662 6621  
**Sears** 6803 6780 6754 6738 6735 6706 6705  
 6696 6690 6688 6665 6662 6654 6641  
 6638 6622 6621 6608  
**Sharp** 6779 6721 6694 6682 6680 6666 6642  
 6606 4427  
**Shintom** 6644  
**Sony** 6810 673 6757 6741 6739 6737 6724  
 6723 6722 6700 6698 6679 6639 6623  
**Sylvania** 6804 6732 6714 6687 6663 6646 6638  
 6636 6609  
**Symphonic** 6687 6641 6638  
**Tatung** 6679 6608  
**Teac** 6638  
**Technics** 6817 6806 68054 6771 6704 6636  
**Teknika** 6721 6662 6638  
**Thomas** 6638  
**TMK** 6631  
**Toshiba** 6812 6788 6778 6692 6651 6645 6641  
 6622 6621 6620  
**Totevision** 6804 6662  
**Unitec** 6716  
**Vector** 6765  
**Research**  
**Video Concepts** 6765 6735  
**XR 1000** 6638  
**Yamaha** 6765 6679  
**Zenith** 6809 6698 6691 6675 6662 6633 6623  
 6609

#### CABLE CODES

**ABC** 2285 2269 2264 2258 2254 2218 2216  
 2213 2211 2210  
**AIM** 2284  
**Archer** 2300 2286 2276 2264  
**Belcor** 2300  
**BRX** 2283  
**CableView** 2279  
**Century** 2264  
**Citizen** 2286 2284 2264 2248  
**Contac** 2317 2311 2291 2277 2275 2271 2249  
 2215 2214 2212 2205  
**CPI** 2274  
**Diamond** 2275  
**Eagle** 2258  
**GC Electronics** 2298 2289 2286 2248  
**Gemini** 2321 2284 2279 2273  
**General** 2313 2287 2285 2226  
**Instruments**  
**Hamlin** 2317 2275 2217  
**Hitachi** 2285 2283

**Jasco** 2286  
**Jerrold** 2299 2287 2285 2281 2274 2269 2258  
 2249 2241 2239 2227 2218 2216 2215  
 2325  
**Kodak**  
**Magnavox** 2285 2283 2229 2228 2202  
**Memorex** 2264 2258 2220  
**Monarch** 2248  
**Movie Time** 2264 2262 2248 2213  
**Northcoast** 2266  
**NSC** 2264 2262 2213  
**Oak** 2326 2275 2271 2212  
**Panasonic** 2214 2205  
**Paragon** 2264 2258 2220  
**Philips** 2316 2301 2294 2293 2292 2291 2280  
 2264 2258  
**Pioneer** 2267 2254  
**Pulsar** 2286 2248  
**Rabbit** 2303  
**Radio Shack** 2300 2286 2276 2264  
**RCA** 2310 2239 2212  
**Recoton** 2312  
**Regal** 2275 2217  
**Rembrandt** 2212  
**Samsung** 2254 2248  
**Scientific** 2327 2311 2308 2291 2287 2247 2239  
**Atlanta** 2221 2210  
**Signal** 2284  
**Signature** 2285  
**Sony** 2203  
**Sprucer** 2214 2205  
**Starcom** 2319 2315 2313 2287 2285 2284 2280  
 2259 2227 2218 2216  
**Stargate** 2297 2284 2248  
**Sylvania** 2307 2283 2250  
**TeleView** 2248  
**Texscan** 2307 2302 2250  
**Tocom** 2269 2262 2214 2213 2212 2211 2210  
**Trivision** 2295  
**U. S.** 2285 2218  
**Electronics**  
**Unika** 2264  
**United Cable** 2241 2216  
**Universal** 2315 2312 2300 2288 2286 2264 2246  
**Viewstar** 2304 2303 2293 2282 2265 2261 2258  
 2210  
**Walmart** 2312  
**Wards** 2285  
**X-10** 2320  
**Zenith** 2266 2220

#### CD CODES

**Adcom** 8777  
**ADS** 8744  
**Aiwa** 8848 8820 8799 8698  
**Akai** 8801  
**BSR** 8720  
**Carver** 8891 8868 8852 8844 8731 8723  
**Crown** 8804  
**DBX** 8715  
**Denon** 8882 8799  
**Fisher** 8868 8850 8797 8754 8753  
**Garrard** 8722  
**Harman Kardon** 8760 8750  
**Hitachi** 8824 8733  
**JVC** 8886 8871 8826 8825 8725 8708  
**Kenwood** 8895 8705 8700 8699  
**Kyocera** 8802  
**Librarian** 8709

**Lloyd** 8758  
**Luxman** 8878 8876 8807 8793 8792 8791 8790 8778  
**Magnavox** 8894 8882 8877 8831 8723 8696 6636  
**Marantz** 8894 8876 8845 8731 8724 8723 8714  
**McIntosh** 8707  
**Mission** 8857  
**Mitsubishi** 8892  
**NAD** 8869 8770 8721  
**Nakamichi** 8859 8833  
**NEC** 8875  
**NEC Laser** 8767  
**NSM** 8894  
**Onkyo** 8892 8834 8737 8734 8712 8703  
**Optimus** 8868 8838 8827 8773 8771 8759 8728 8726 8725 8717  
**Ovation** 8704  
**Panasonic** 8872 8809 8789 8763 8744  
**Panasonic Laser** 8763  
**Philips** 8894 8857 8829 8724  
**Philips CDV** 8832  
**Pioneer** 8896 8893 8892 8785 8781 8759 8751 6646  
**Pioneer Laser** 8896 8870 8772 8751  
**Proscan** 8742  
**Quasar** 8872 8809 8744  
**Radio Shack** 8867 8838 8837 8827 8817 8810  
**RCA** 8850 8742 8729  
**Realistic** 8868 8827 8824 8728 8724  
**Rotel** 8877 8762  
**Sansui** 8788 8778  
**Sansui CDV** 8832  
**Scott** 8835  
**Sears LXI** 8816  
**Sharp** 8880 8736  
**Sherwood** 8867 8838 8817 8810  
**Shure** 8748  
**Sonoko** 8879  
**Sony** 8899 8887 8879 8848 8820 8799 8783 8779 8769 8764 8759 8711 8710  
**Sure** 8748  
**Sylvania** 8894  
**Teac** 8848 8842 8803 8782 8773 8743 8741 8740 8732 8721  
**Technics** 8872 8809 8803 8744 8701  
**Toshiba** 8806  
**Yamaha** 8873 8866 8847 8796 8757 8750 8747 8746 8706 8697  
**Yamaha Laser** 8883 8794

#### RCVR CODES

**ADS** 9924  
**Acoustic Research** 9866  
**Adcom** 9911 9884  
**Aiwa** 9983 9976 9972 9921 9916 9915 9833 9816 9815 9814 9813 9808 9800 9769 9795  
**Antique Appartus** 9798  
**Audio Source** 9853  
**BSR** 9853  
**Carver** 9961 9876 9875 9817 9789  
**Craig** 9990  
**Curtis Mathes** 9856  
**Denon** 9968 9958 9955 9887 9886 9845 9842 9841 9797  
**Fisher** 9951 9930 9914 9874 9857 9854 9803

**Fosgate** 9781 9870 9819 9781  
**GE** 9757  
**Gradiente** 9751  
**Harman Kardon** 9944 9941 9873 9872 9804  
**Hitachi** 9940 9820  
**JVC** 9931 9904 9903 9889 9855 9805 9763 9762  
**Jensen** 9980 9965 9759  
**Kenwood** 9950 9894 9893 9788 9761 9760  
**Koss** 9981  
**Krell** 9959  
**Lexicon** 9871 9840  
**Linn Wakonda** 9879  
**Luxman** 9987 9970 9964 9960 9953 9920 9919 9789 9788 9774 9773 9821 9806 9927 9882 9868 9830 9946 9932 9909 9873 9872 9868 9867 9838 9817 9778 9754 9874 9954 9947 9825 9780 9755 9971 9918 9905 9923 9792  
**NEC** 9978  
**Naim** 9908 9879  
**Nakamichi** 9979 9929 9787  
**Nikko** 9933  
**Onkyo** 9982 9943 9869 9837 9832 9829 9826 9810 9777 9768  
**Optimus-Also see Radio Shack** 9996 9962 9952 9949 9956 9836 9815 9809 9750 9749  
**Panasonic** 9992 9991 9955 9909 9793  
**Paramount** 9859  
**Parasound** 9818  
**Philips** 9998 9946 9912 9891 9939 9920 9919 9892 9857 9856 9847 9846 9836 9809 9799 9758  
**Pioneer** 9917 9839  
**Proscan** 9955 9909 9793  
**Quasar** 9917 9900 9839 9802  
**RCA** 9949 9948 9925 9844  
**Radio Shack-** Also see  
**Optimus** 9771 9770  
**Revox** 9934  
**Rotel** 9785  
**SSI** 9967 9881  
**Samsung** 9994 9993 9926 9853  
**Sansui** 9930 9926 9906 9874  
**Sanyo** 9969 9913 9844 9812 9811  
**Scott** 9973  
**Sears** 9880  
**Seiko** 9880  
**Instruments Inc.**  
**Sharp** 9995 9952 9827  
**Sherwood** 9949 9948 9878 9791 9753  
**Shure** 9801  
**Sony** 9989 9987 9986 9985 9983 9950 9935 9928 9899 9896 9895 9865 9863 9858 9849 9845 9824 9807 9752  
**Soundesign** 9907  
**Teac** 9997 9938 9844 9767 9766 9765  
**Technics** 9955 9945 9862 9793 9786  
**Toshiba** 9977 9823 9822  
**Yamaha** 9988 9975 9950 9902 9860 9851 9850 9848 9831 9796 9790 9779 9756 9877 9990 9963

RED = Should be used for Audio with Surround Sound

**SATELLITE CODES**

**Chaparral** 3343 3319  
**Drake** 3353 3347 3344 3337 3335 3331 3323  
3301  
**DX** 3345 3333  
**Communications**  
**Echostar** 3348 3340 3332 3320  
**Equus** 3338  
**Fujitsu** 3311  
**General** 3346 3315 3308 3306 3304  
**Instruments**  
**HTS** 3341  
**Intersat** 3342  
**Janeil** 3311  
**Kenwood** 3313  
**Legend** 3320  
**M/A Com** 3315 3308 3302 3301  
**Panasonic** 3300  
**Pansat** 3352 3322

**Primestar** 3333  
**Quick Draw** 3345  
**Radio Shack** 3314 3306 3304  
**RCA** 3351  
**Realistic** 3314  
**Rural Cable** 3304  
**Sony** 3356  
**Star Trak** 3355 3354 3310 3309  
**STS** 3307  
**SuperGuide** 3317  
**Tee-Com** 3357  
**Toshiba** 3315 3301  
**Uniden** 3339 3336 3330 3321 3317 3316 3314  
3312 3305 3303  
**Video Pall** 3311  
**Viewstar** 3350  
**Zenith** 3311

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