Two Device Universal



Instruction Manual

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Battery Installation

Use two (2) new AAA batteries. Please see the following instruction when installing the batteries.



- 1. Open the battery cover in the back of the remote as illustrated.
- 2. Match the batteries to the + and marks inside the battery case, then insert the batteries. If the installation is correct, the indicator light will flash 2 times.
- 3. Put the battery cover back on.
- 4. Press any key, if the indicator light flashes, installation is correct.

Warnings:

1. Do not mix new batteries with old ones or place the batteries incorrectly.

- 2. Please finish the battery installation within 5 minutes, otherwise the programmed codes Will be lost. Do not press any key during installation.
- 3. Remove the batteries if you do not plan to use the remote for a long period of time to prevent electrolyte leaking. If leaking occurs, clean the contaminated area of the battery compartment and replace the old batteries with new ones.

Introduction

Thank you for your purchase of the Flipper two device remote control. Flipper is designed for use with your Television and Set Top Box (STB). STB's are Cable, Satellite, and Digital TV (DTV) receiver boxes.

Flipper is preset to work with most Motorola STBs.

Ease of Use

Flipper remote operates both your TV and STB using a minimum number of buttons.

Favorite Channels

You can program up to 30 of your favorite channels. When activated, the **Channel Up/Down** will only advance through these channels. This feature does not change the channel settings of your TV, STB, or other remote controls.

Dual Mode

In Dual Mode, the **ON/OFF** button powers on and off both the TV and STB; **Channel Up/Down** and the 0-9 keypad controls the channels on the STB; and **Volume Up/Down** controls the TV, eliminating the need to press a button to switch devices.

Lock

This feature "Locks" the settings of the remote, including favorite channels, and dual mode, and prevents accidental reprogramming.

Functions



ON/OFF: controls both the TV and STB.



Press **MUTE** once to turn the sound on or off.



Channel Up/Down: Controls the STB channels.



Volume Up / Down: Controls the TV volume.

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0-9 located under the sliding door, are for set up and channel entry.

"Dash" is used for DTV channel entry.

LC is for "Last Channel" – returns to the last channel you are viewing.



TV and **STB** buttons are used to set up your devices.



ADD and **DEL** buttons are used to set up favorite channels.

Indicator light - flashes during set up and when the remote is used.

Setup

Please follow these step-by-step instructions for the initial set-up. Remember to use new AAA batteries for best results.

If you receive your TV stations through an STB, please note how your TV is connected to the STB. Newer TVs are connected through an AV input option, such as Video 1 or 2 or Antenna 1 or 2. Older TVs may be set to channel 3 or 4. This will allow you to easily reset the TV if you accidentally change your TV's channel during set up.

Step 1: TV set up $T \lor$

Locate the 3-digit code for your TV brand in the code list.

1. First, 'prime' the remote. Press and hold **ADD** until the light flashes once then turns solid. Then enter 954. The light stays solid then flashes twice.

2. Press and hold the **TV** set-up key. The indicator light at the top of the remote will flash once then turn solid. Release the key.

Note: If you do not press any key more than 30 seconds, the remote will exit the program.

- 3. Enter the first 3-digit code for your TV using the **0-9** key pad. If the code is entered correctly, the light will turn off. If the light stays on, please try again.
- 4. Try the remote to see if it controls the TV by pressing the **ON/OFF** key and **Volume Up/Down**.
- 5. If the remote is adjusting your TV, go to **Step 2**.
- 6. If the remote does not adjust your TV, repeat the process using the next 3-digit code listed for your TV brand until the remote works.

Note: If you are unable to find a working code, see "**Other Set Up Options**."

The code for my TV is _____.

Step 2: Set Top Box (STB)



If you are using a TV without a STB, go to Step 3.

Flipper is preset to Motorola cable STBs. It may not work all Motorola STBs, however. If your STB is manufactured by Motorola, press **STB** once (the light will flash) and see if Flipper works your STB. If yes, go to **Step 3**. If not, follow the set up instructions in **Step 1**: **TV**, except find your STB code, and press **STB** instead of **TV** in # 1.

The code for my STB is _____.

Step 3: Favorite Channels

Setting Favorite Channels is optional. If you do not want a favorite channel list, go to **Step 4**.

You can program up to 30 of your favorite channels. When set, **Channel Up/Down** only scrolls through your Favorite Channels. The **0-9** keypad allows you to key in any available channel. Programming favorites does not change the settings on your STB or other remote controls. Note: When advancing through your favorite channels using the **Channel Up/Down** buttons, please allow the channel to switch before pressing the button again.

Make a list:

Make a list of your Favorite Channels. The channels will advance in the order they are entered. For instance, if you program channels 225, 125, 57, and then 563, the **Channel Up/Down** will memorize them in that order and advance as 225, 125, 57, 563. Flipper does NOT place channels in numeric order.

Channel Format:

STBs and TVs generally use a three or four digit channel entry system, 000 or 0000. To enter channels, use 0's as a place holder. For instance, enter channel 7 as 007 (three digit) or 0007 (four digit). For channel 22, enter as 022 or 0022. If your TV or STB requires an Enter key to change channels, please see "**Channel Entry Options**."

DTV channel format:

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Please consult your DTV manual. Use the **dash** "-" button, if needed. Some DTVs do not use a dash, and instead may enter channels in different formats, such as 401 for channel 4-1, or 0301 for channel 30-1.

If using a newer TV with an over the air digital turner, you may need to learn the dash key from your existing remote. See "Learning Set Up"

Adding Favorites:



The instructions below assume that you are programming Favorites to work with an STB device. If you are using a TV without a STB, substitute the **TV** key for the **STB** key.

- 1. Press **STB** then **ADD**. The indicator light will flash once then turn solid. Release both buttons.
- 2. Key in the first channel and press the **ADD** button, key in the next channel and then **ADD**, and continue until all channels are added. The light will flash one time for each digit.

Example:

007 **ADD**, 044 **ADD**, 110 **ADD**, etc., for channels 7, 44, 110; For a DTV: 4 - 1 **ADD**; 44 - 2 **ADD**, for channels 4-1, and 44-2

- 3. Press the **STB** button after all channels are added to complete the process.
- 4. Use the **Channel Up/Down** buttons to scroll through your Favorites. It may be necessary to scroll through a second time for all Favorite channels to appear.
- 5. If you need to add more channels, repeat. Otherwise, go to **Step 4**.

Deleting Favorites:



Follow the instructions above for adding channels, except use the **DEL** button instead of the **ADD** button.

Switching Between Favorite and Regular Mode: To exit favorite channel mode, press and hold DEL and dash at the same time until the light flashes twice and turns off.

To re-enter, press and hold **DEL** and **dash** - at the same time until the light flashes twice and turns off.

Step 4: Dual Mode (TV & STB)

ADD

If you are using a TV without a STB, go to **Step 5**.

In Dual Mode, the **ON/OFF** button controls both the TV and STB; **Channel Up/Down** and the **0-9** keypad control the STB; and **Volume Up/Down** controls the TV

To **Enter** Dual Mode, press and release **ADD**. The indicator light will flash once.

To **Exit** Dual Mode, press and release either **TV** or **STB**. The indicator light will flash once.

Note: The remote works best when the TV and STB are close to one another. If the TV and STB do not turn On and Off at the same time, press the **ON/OFF** button until both devices turn either On or Off, or manually turn On or Off the device. Note: Flipper can be programmed to turn ON / OFF either the TV or STB only – please see "**ON** / **OFF Options**."

Step 5: Lock

This feature "Locks" the settings of the remote, including Favorites, and Dual Mode. If you do not want to lock the set up of your remote control, set-up is complete. Enjoy using your Flipper remote!

To Lock:

- **1**. In Dual mode, press and hold **ADD**. The light will flash once then turn solid. Release the button, and enter 955. The light flashes twice.
- 2. In TV mode, press and hold **TV**. The light will flash once then turn solid. Release the button, and enter 955.
- **3**. In STB mode, press and hold **STB**. The light will flash once then turn solid. Release the button, and enter 955.

To Unlock:

Follow the instructions above, except use code 956 to unlock.

ON/OFF Options:

In Dual Mode, the **ON/OFF** turns On and Off both the TV and STB. Occasionally, the remote may only turn On or Off either the STB or TV. If this happens, press the **ON/OFF** button again until both devices operate at the same time. To avoid this from happening, place the TV and STB close to each other.

TV Only

To have **ON/OFF** control the TV only, **Channel Up/Down** control the STB, and **Volume Up/Down** control the TV, first set the code for the TV and STB as shown in Step One and Two. Then:



- 1. Press and hold the **STB** button and then the **ON/OFF** button. The indicator light will flash once, then remain flashing. Release both buttons.
- 2. Face your existing TV remote control's signal transmitter (on the front) to the Flipper remote control transmitter, with 3-5cm gap in between the remotes.

- 3. Press and release the **ON/OFF** key on Flipper remote control. The indicator light will turn solid.
- 4. Press and release the **Volume Down** key for your Tv's existing remote control. The indicator light on Flipper remote should start flashing again.
- 5. Press **STB** to save the setting.
- 6. Enter Dual Mode by pressing and releasing **ADD**. The light will flash once.
- 7. Try the buttons. **ON/OFF** should control the TV only, **Channel Up/Down** should control the STB, and **Volume Up/Down** should control the TV. If not, repeat the process.
- 8. If you want to Lock, use ADD for Dual Mode in Step 5.
- Note: Replacing the STB's ON / OFF signal with the TV's Volume key deactivates the STB's ON / OFF signal, so that only the TV will turn On and Off.

STB Only:

Press **STB**. The indicator light will flash once. The **ON/OFF** will control your STB; **Channel Up/Down** will control the STB, and the **Volume Up/Down** should control your TV.

If **Volume Up/Down** does not control your TV, then follow the instructions above under TV Only, except in #1, use the **TV** set up key instead of the **STB** key, and follow the rest of the instructions, including Dual Mode. This will deactivate the TV's ON / OFF signal, so that only the STB turns on and off, while the **Channel Up/Down** will control the STB, and **Volume Up/Down** should control your TV

Channel Entry Options

Some TV / STBs may change channels faster if an ending signal is sent, such as OK/SELECT or ENTER.

Flipper does not send an ending signal in favorite channel mode. If you require an ending signal, please follow the instructions below.



Note: If you are using the favorite channel mode with a TV only, use **TV** instead of **STB**:

- 1. Press and hold the **STB** button and then the **ON/OFF** button at the same time. The indicator light will flash once, then remain flashing. Release both buttons.
- 2. Face your existing remote control's signal transmitter (on the front) to the Flipper remote control transmitter, with 3-5cm gap in between the remotes.
- 3. Press and release the **dash** key on Flipper remote. The indicator light should turn solid.
- 4. Press and release the button from your existing remote that sends the best ending signal, usually ENTER or OK/SELECT. The indicator light on the Flipper remote should start flashing again.
- 5. Press **STB** to save the setting. The **dash** is now your ENTER key.
- 6. Test the remote to see if the ending signal is 'learned' by pressing **dash** and making sure it does the same function as your existing remote. If not, repeat the process.
- 7. In favorite channel mode, add channels by following the set up instructions above. Then, enter channels with the dash / Enter. Example: 7 dash ADD; 23 dash ADD, etc.
- Note: STB's generally do not require an enter signal. It is recommended that the enter signal is not used when entering three and four digit numbers.

Other Set-up Options

It is strongly recommended that you use the set up instructions above to set up your remote control. However, there may be instances where your device is not in the code list. If you were not able to find the codes for your device using the recommended process, try one of these two methods.

Automatic Code Searching:

This method automatically sends a group of codes until your device turns OFF. Start with either TV or STB ON.

- 1. Press and hold **TV** or **STB**. The light will flash once then stay solid. Release the key.
- 2. Press and release the **ON/OFF** button. The remote will send 10-15 codes to your TV or STB. The indicator light flashes quickly when sending, and turns solid when complete.

- 3. If your TV or STB turns OFF, the code is in that group. If the device did not turn off, repeat until your device turns off.
- 4. Once your device turns off, wait until the indicator light stops flashing, then press and release the **Channel Down** button to send one code at a time until your device turns ON.
- 5. Once the device turns ON, press **TV** or **STB** to set and try your device. If all buttons do not work, repeat.

Note: Some devices share codes with others. As a result, it is possible that a code matches some but not all of your device's functions. If this happens, repeat the process until the correct code controls all of your device's function.

Learning Set Up:

Flipper remote can learn function signals from your existing remote control. This allows you to copy the signals from your current remote into the Flipper remote. Each key is programmed separately. **TV, STB**, and **ADD** do not learn functions.

Note: Favorite channel mode may not work with Learning set up.

- 1. Press and hold the **TV** or **STB** button and the **ON/OFF** button. The indicator will flash once, then remain flashing. Release the keys.
- 2. Face your existing remote control's signal transmitter (on the front) to the Flipper remote transmitter, with 3-5cm gap in between the remotes.
- 3. Press and release the key on Flipper remote control that you want to program from your other remote. The indicator light will turn solid. Each key is programmed separately.
- 4. Press and release the same key from your existing device remote until you see the light on the Flipper remote start flashing again. The learning process for that key is done.
- 5. Keep repeating step 1-4 until you learn all the keys you want.
- 6. Press the TV or STB button to set the remote.
- 7. Check the buttons to see if they learned the correct signal. If not, repeat the process as needed until all buttons learn the desired function.
- Note: The remote can learn functions for any IR remote control, including a stereo.

Troubleshooting

If you are experiencing difficulties with your remote control, remember these helpful hints:

- Make sure the remote is unlocked, by pressing TV, ADD or STB. The light will flash once, then turn solid. Then enter 956. The light will flash twice.
- 2. Check to see if you are in Favorites mode or regular mode. Press and hold **DEL** and **dash** - until the light flashes twice and turns off. This will enter or exit favorite channel mode.
- 3. Press **TV** and make sure the remote is controlling your TV If not, reset the remote by going to Step 1 in the recommended set up.
- 4. Press **STB** and make sure the remote is controlling your STB. If not, reset the remote by going to Step 2 in the recommended set up.
- 5. Restore the original factory settings. Press and hold **ADD** until the light flashes once then turns solid, then enter 954. The light will be solid, then flash twice. If settings remain in the remote, also do the same with **TV** and **STB**.

Code Retrieval

This feature will tell you the code that is currently programmed into the remote control. This can come in handy if you forget the code that was entered, if you used the automatic set up method, or for troubleshooting purposes. This instruction works for both TV and STB.

- 1. Press **TV**. The light will flash once, then press **1**, and release both.
- 2. The indicator light will flash count the flashes this represents the hundred digit 1xx. Note: If the light does not flash, the digit is zero.
- 3. Do the same with number **2** this represents the ten digit placeholder x2x.
- 4. Do the same with number **3** this represents the ten digit placeholder xx2.

The resulting three digit number is the number of light flashes in each position. For instance, if you see the light flash 4 times after pressing #1, and flash 3 times after pressing #2, and flash 2 times after pressing #3, then the code in the remote is 432.

Reset the Remote

If at any time you want to reset the Flipper remote to original factory settings, press and hold **ADD** until the light flashes once then turns solid, then enter 954.

The light stays solid, then flashes twice. If settings remain in the remote, do the same with **TV** and **STB**.

TV Brand Cod	le Li <u>st</u>		
ABEX	049,	CENTRIOS	153
ADMIRAL	163,078, 188	CENTURION CETRONIC	$\begin{array}{c}138\\219\end{array}$
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IKO	339	PLANAR	292		154,101,	SELECTRON	329,31
ORCENT	077,246,	POLAROID	233,259,		127, 136,		321
	061		255, 306,	REALISTIC	081,	SEMP	319
TC	115		289,140		191,001,	SHARP	145, 25
DLEVIA	294,328,	PORTLAND	001,033,		114, 142,		248,16
	316, 332,		138, 122,		247, 177,		001,13
	291		174		138, 161,		078,07
ONCOMMAND	208	PRECISION	072		105, 216,		056, 04
ONKING	219	PRICE CLUB	043		192, 219,		227
NWA	247,219	PRIMA	306,047,	RHAPSODY	042	SHOGUN	001
PTIMUS	177,049,		067,099,	RUNCO	002,	SIGNATURE	191, 16
	023, 210		073		200, 206,		188,24
) PTOMA	301	PRINCETON-	163,146	SAMPO	199,	SIMPSON	110
OPTONICA	163,042	- GRAPHICS	100,110		013,060,	SONIC	002
ORION	200,045,	PRISM	006		001, 138,	SONY	121,24
16	,,				, 100,		101,01

TV Brand Cod				STD Drend Co	deliet		
				STB Brand Co			
SONY	215, 195,	TELERENT	191, 161,	ABC	528, 564,	DIRECTV	682,683,
	185,230,	TEDA	188		400, 417, 434, 588,		684,685, 686,693
SOVA	267 334,281	TERA TEVION	001,074 128		589,663		560, 561,
SOVA	315, 324	TMK	001,138	ACCESS HD	665,		505, 578,
SOUNDESIGN	001, 138,	TOSHIBA	152, 126,	ADELPHIA	551, 533,		444, 414,
DUCINDEDICIN	193, 247	TOSHIDA	147, 173,		625,628		445, 448,
	110, 219		206,043,	ADVANCED -	625		450, 458,
SPECTRA	181		142,042,	-NEWHOUSE			465,470,
SPECTRAVISION	262		177, 183,	ALLEGRO	405,421		478,488,
SQUAREVIEW	155		133,024,	ALTRIO	625		496, 504,
SSS	001,247,		031,216,	AMERICAST	457, 598,		508, 525,
COMADI TOD	219		042,094,	AMPLICA	$\begin{array}{c} 623 \\ 425 \end{array}$		545, 563, 577, 581,
STARLITE	247		202, 109,	ANTRONIX	425 472, 491		577, 581, 586, 586, 586, 586, 586, 586, 586, 586
STAR SIGHT SUPRA	007 001,223	TRUTECH	213 307, 284,	APEX*(See page 22)	1545 561	DTV PAL	416,433
SUPERSCAN	226, 145,	INUIEUI	323	ARCHER	472, 491,	DISH NETWORK	433, 469,
SULTOUN	080	TV EARS	000	monba	511, 529		487, 559,
SUPERSONIC	032	UNIVERSAL	220,091	ARTEC	666		416, 483,
SUPREMACY	017	VICTOR	167	A T & T	533		501,521,
SUPREME	215	VIDTECH	001,033,	ATLANTIC -	625		606,610,
SVA	077,236		138	-BROADBAND	410 400	DIGUDDO	618,
SYLVANIA	221,001,	VIEWSONIC	060,222,	BELL EXPRESSVU		DISHPRO	483, 501,
	138,045,	NTRINO	270, 274	DELL COUTU	433,487 457,598,	DRAKE	521, 416 554, 408,
	155, 260, 225, 105	VIKING	017 300	BELL SOUTH	437, 398, 623	DIARE	463
	325, 105, 080, 134,	VIORE VIZIO	196, 320,	BLUE RIDGE	625	DREAMBOX	524
	110, 116, 116	V1210	001	BRIGTH HOUSE	625	DX ANTENNA	481, 556
	040, 202,	WARDS	191, 221,	CABLETENNA	472	EASTERN	453
	204, 212	" TITED O	001, 033,	CABLEVIEW	472	ECHOSPHERE	487
SYMPHONIC	247, 155,		138, 193,	CABLEVISION	438,625	ECHOSTAR	433,469,
	105,080,		161, 116,	CENTURY	459,529		487,559,
	003		040,091,	CHANNEL MASTER	462,482,		416, 483,
SYNTAX	294, 316,		042, 148,		500,667 518,537	EVERQUEST	501,521 401
TANDY	332		220, 188,	CHAPPARAL CHARTER	625	EXPRESSVU	401 416, 469,
T A N D Y T A T U N G	$163 \\ 196, 128,$	WESTINGHOUSE	110,003 256,012,	CHEYENNE	537	EVI VE22AO	433, 487
TATUNG	190, 120, 243	WESTINGHUUSE	290, 082,	CITIZEN	529	FORTECSTAR	499, 423,
TECHNICS	006	WHITE -	171, 174,	COGECO	533		442, 460,
TECHWOOD	001, 138,			COLOR VOICE	547,565		480, 498
1 Bonn o o b	006	"BOTINGHOUDE	299, 105,	COMCAST	533,625	FUJITSU	540,557
TEKNIKA	191,001,		159, 169	COMTRONICS	401,418	GARRARD	529
	033, 138,	YAMAHA	177,001,	CONTEC	435	GC ELECTRONICS	491
	193,247,		033,138	COSHIP	668	GE	450, 507,
	043, 147,	ZENITH 200,	, 138, 166,	COX	625		468, 560,
	177, 161,	117, 197, 122,	143,201,	DIGITAL MUSIC- -EXPRESS	404		581,527, 546,563,
	017, 188, 110, 216	113, 199, 014, 001, 045, 078		DIGITAL STREAM	669		340, 503, 497, 670
	110,216, 219	001,045,078, 106,237,079,		DIRECTV	609,611,	GEMINI	427, 441,
TELECAPTION	219 094	025, 133, 245, 079	141 188	DINLUIY	612, 613,	SEMINI	492
	001	020, 100, 210,	115,029		616, 617,		
18			,		, -,		19

	ode List	TRADALA		STB Brand Co		DRUDDLUSS	5.0.4
GENERAL -	613	JERROLD	639,640,	PARAGON	587,624	REMBRANDT	$\begin{array}{c} 564 \\ 625 \end{array}$
-ELECTRIC GENERAL -	593,621,		648,652, 661,662	PHILCO PHILIPS	674 529,492,	RODGERS ROGERS	625 438
-INSTRUMENT	634, 635, 021, 035, 035, 035, 035, 035, 035, 035, 035	JVC	487, 559,	r ni lir s	529, 492, 419, 513,	RUNCO	436, 587
TNSTRUMENT	636, 637,	JVC	606, 610		531, 549,	KUNCO	430, 387 624
	638, 639,	KENWOOD	484		444, 559,	SAMSUNG	401, 402
	640, 648,		673		543, 505,	STINGUNG	410, 574
	652, 661,		465, 561,		525, 561,		577,448
	662, 495,	20	545		488, 545,		504, 516
	528, 417,	LUXOR	502		506, 465,		590, 611
	533, 568,		522		428, 592,		615,633
	477, 535,	MAGNAVOX	419, 444,		612,622	SANSONIC	678
	404, 400,		559, 506,	PHILIPS -	420, 406,	SCIENTIFIC-	475,455
	564, 467,		612	-MAGNAVOX	444,559,	-ATLANTA	438, 422
	562,580,	MAGNAVOX -	674,675		506		551,434
	415,489,	-MODELS 100MG9		PIONEER	411,473,		437,589
	526,432,	MEMOREX	436,587,		438,566,		594,597
	407, 424,		624		402, 590,		620,625
	443, 575	MICROGEM	676		597, 596,		626,627
GLOBECAST	571, 584	MITSUBISHI	545,561,		625,644,		641,642
GNC	623		488, 505,	DDINDOTAD	645	COLENTIELO	663,664
GO VIDEO	523	MOTODOLA	525,465	PRIMESTAR	467,526	SCIENTIFIC-	690
GOLDSTAR GOODMIND	590 671	MOTOROLA	489,486, 495,417,	PROSAT PROSCAN	$572 \\ 450, 468,$	-ATLANTIC SEREN	625
HAMLIN	528, 512,		495, 417, 568, 477,	FRUSCAN	527, 581,	SHARP	411
IIAMLIN	530, 548,		535, 400,		527, 561, 546, 563,	SHAW	533
	591, 652,		533, 440,		600, 605,	SIERRA I II III	
	653, 654,		564, 621,		613	SIGECOM	625
	655,656		628, 629,	PULSAR	436, 587,	SIGNAL	401
HITACHI	488, 505,		687,688,	1 ODDIIR	624	SIGNATURE	564
	525, 561,		689,692	QUASAR	587	SKARDIN	679
	545, 465,	MOVIE TIME	454	RADIO SHACK	420,406,	SKY NETWORK	412,429
	564,603	NET	479,447,		421		451,458
HUGHES	602		660	RCA	450,507,		478,496
HUGHES NETWORK		NORSTAT	541		468,560,	SL MARX	401
	505,509,	NOVAPLEX	422		490, 581,	SONY	578,470
	543, 545,	NOWTV	582		527,546,		508,426
	465, 520	NSC	454		563,471,		558, 599
HUMAX	631	OAK	435, 493,		510, 529,		607,608
ILLICO	438,625		657,658,		456,600,	CDDUCED	619
INSIGNIA	672	DACE	659 412,429,		605,613, 614,677	SPRUCER	510
JASCO	529	PACE	451, 625	RCN	570	STANDARD	494 456,579
JERROLD	495, 528, 417, 477,	PANASONIC	449, 445,	REALISTIC	491, 576,	STAR SIGHT STAR TRAK	439, 485
	564, 400,	TANASUNIC	449, 445, 446, 510,	NEALISIIC	461	STARCHOICE	439,483 526,432
	515, 440,		476, 587,	REGAL	548, 591,	STARCHUICE	467
	515, 440, 588, 593,		601, 649,	NEONE	652, 653,	STARCOM	528, 477
	621, 634,		650, 651		654, 655,	5 I MROOM	588
	635, 636,	PANSAT	409, 585		656	STARGATE	401
	637,638,		436, 474,	REGENCY	453	STS	481, 519
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STB Brand Co	ode List		
STS SUPER GUIDE SUSPUEHANNA SYLVANIA TANDY TELEVIEW	538 503 625 539,632 514 401	ZENITH	421, 529, 436, 534, 552, 569, 595, 587, 598, 623, 624, 643,
TELSAT TEXSCAN TIME WARNER TIVAX	459 494 438,625 680	ZENITH NETWORK ZENTECH	672 457 679
TOCOM	400, 532, 568, 515, 646, 647, 661		
TOSHIBA	436,545, 561,488, 505,525, 465,555, 413,430, 544,587,		
TV 86	604,624 454		
TVA ULTIMATE TV UNIDEN	536 581,508 579,573,		
UNIKA	542 472,491,		
UNITED UNIVERSAL	529 464,528 472,491, 511,529, 550,405		
USDIGITAL MOTOROLA/ -VERIZON VIDEO CIPHER I	630 681,691, 692		
VIDEO TECH VIDEOTRON VIDEOWAY	517 438,625 403		
VIEWSTAR VISIONETICS	418, 419, 454, 514 583		
VISIONTEC WEBTV WIDEOPENWEST ZENITH	553 559,426 623,625, 466,414, 452,427,		
	451, 554, 408, 463, 431, 567,	* For Apex, use mode to learn key.	
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