

Two Device Universal



Instruction Manual

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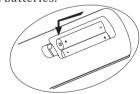
Table of Contents

| Introduction | - 2 |
|------------------------------|-----|
| Functions | - 2 |
| Set Up | - 3 |
| Step 1: TV set up | - 3 |
| Step 2: Set Top Box (STB) | |
| Step 3: Favorite Channels | - 4 |
| Step 4: Dual Mode (TV & STB) | - 6 |
| Step 5: Lock | |
| ON / OFF Options | - 7 |
| TV Only | - 7 |
| STB Only | - 8 |
| Channel Entry Options | - 8 |
| Other Set-up Options | - 9 |
| Automatic Code Searching | - 9 |
| Learning Set Up | 10 |
| Troubleshooting | 11 |
| Code Retrieval | 11 |
| Reset the Remote | 12 |
| TV Brand Code List | 13 |
| STB Brand Code List | 19 |
| | |

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 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.



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



 $\textbf{``Dash''} \ is \ used \ for \ DTV \ channel \ entry.$



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



STB

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 $T \lor T$

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.

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**.
- 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)

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:



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:

STB ADD

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.
- 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)



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.
- 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.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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 Co | de List | | |
|-------------------------|------------------------|-----------------------|------------------------|
| ABEX | 049, | CENTRIOS | 153 |
| ADMIRAL | 163, 078, 188 | CENTURION CETRONIC | 138 219 |
| ADVENT | 067, 073, | CHANGHONG | 021, 211 |
| ADMENTIDA | 241 | CINERAL | 115,015 |
| ADVENTURA AIKO | 017 115 | CITIZEN | 001, 138, 247, 043, |
| AIWA | 050,075, | | 147, 155, |
| ALLEDON | 105, 158 193 | | 045, 188, 110, 219, |
| ALLERON AMARK | 163 | | 110, 219, |
| AMTRON | 247 | CLAIRTONE | 002 |
| AKAI | 043, 215, 090, 296, | CLASSIC | 021, 211, 219 |
| | 302, 022, | CLP | 009 |
| | 282, 337, | CLP CLASSIC | 020, 004, |
| ANAM NATIONAL | 309 247, 243, | СОВУ | 006 322, 272 |
| MINIM INTITOTAL | 035, 219, | COLOR VOICE | 162 |
| | 261 | COLORTYME | 001, 138, |
| AOC | 001, 033, 138, 305, | CONCERTO | 162 001, 138 |
| | 002,071, | CONCIERGE | 200 |
| ADDV | 048, 101 | CONTEC | 247, 216, |
| APEX | 021, 077, 052, 331, | CORNEA | 002, 219 166 |
| | 211 | CRAIG | 247, 219 |
| ARCHER ASPECT | 163 143 | CROSLEY CROWN | 221 247, 219 |
| AUDIOVOX | 247, 306, | CURTIS MATHES | 191, 043, |
| | 295, | | 174,001, |
| AXION BANG & OLUFSEN | 100, 214 | | 138, 161, 142, 147, |
| BELCOR | 001 | | 133, 188, |
| BELL & HOWELL | 191, 142, | O.T.V. | 034 |
| BENQ | 161, 188 196, 250, | CTX CXC | 163 247, 219 |
| DENA | 198, 317 | CYBERVISION | 015 |
| BLUESKY | 285,015 | DAEWOO | 174, 001, |
| BRADFORD BROKSONIC | 247 097, 045, | | 138, 171, 033, 122, |
| BRORDONIC | 182, 107, | | 246, 175, |
| DDOKWOOD | 184, 024 001 | | 141, 237, |
| BROKWOOD Candle | 001, 138, | | 159, 026, 169, 219, |
| | 017, 110 | | 115, 084, |
| CAPEHART CCE | 048 340 | | 162, 068, 111, 095, |
| CELERA | 021 | | 139 |
| CELEBRITY | 215 | DAYTRON | 001,138 |
| | | - | 13 |

| TV Brand Code List | | | TV Brand Code List | | | | |
|------------------------|------------------------|-----------------------|------------------------|---------------------|------------------------|------------------------|------------------------|
| DELL | 157, 112, | FISHER | 130, 178, | HUGHES | 213 | KTV | 247, 002, |
| DIAMOND- | 228 181, 137, | FUIITSU | 216 102, 193, | HYUNDAI ILO | 273 128, 314, | | 190, 219, 168 |
| -VISION | 224 | | 286 | | 271, 336, | | 188 |
| DIGIMATE DIGISTAR | 293 306, 047, | FUNAI | 193, 155, 247, 105, | IMA | 070, 155 247 | LASONIC LEGEND | 181, 137 067 |
| DIGIGIAN | 120,067, | | 080, 219 | INFINITY | 221, 131 | LG | 001, 166, |
| | 099, 228, | | 247, 219 | IN FOCUS INITIAL | 161 | | 138, 033, |
| | 313, 326, 333 | GE | 060 191, 093, | INITIAL | 314, 070, 280, 308 | | 046, 228, 105, 132, |
| DIMENSIA | 191, 161 | | 016,001, | INSIGNIA | 252, 155, | | 216,088, |
| DISNEY DUKANE | 124, 045 143, 222 | | 138, 005, 006, 161, | | 104, 045, 255, 067, | | 169, 071, 109, 240, |
| DUMONT | 200,001 | | 238, 243, | | 099, 303, | | 213 |
| DURABRAND | 155, 045, | | 044, 034, | INTEGRA | 080, 140 206 | LIQUIDVIDEO | 100, 125, |
| | 257, 053, 134, 104, | | 217, 220, 091 | INTEGRA | 200 | LODGENET | 214 191, 235, |
| D VIVI A CITA | 098, 283 | GIBRALTER | 200,001 | JANEIL | 017 | | 161, 188 |
| DYNASTY DYNEX- | 219 045 | GOLDSTAR | 001, 138, 033, 105, | JBL JCB | 221 215 | LOEWE LOGIK | 209, 221 191, 161, |
| -(See also Insign | iia) | | 132, 216, | JC PENNEY | 191,001, | | 188 |
| ELEKTRA ELECTROBAND | 188 215, 002 | | 088, 169, 071 | | 033, 138, 043, 093, | | 038 001, 138 |
| ELECTROBAND | | GO VIDEO- | 186 | | 147, 006, | | 191, 001, |
| | 022, 243, | -HDT100 | 005 001 | | 161,091, | | 138, 142, |
| ELITE VIDEO | 217 102 | GRADIENTE | 335, 001, 257, 318, | | 110, 216, 034, 217, | | 221, 093, 147, 161, |
| EMERSON | 001, 138, | | 311 | | 164, 220 | | 105,034 |
| | 005,045, | GRUNDY GUESTVISION | 193, 247 208 | JENSEN | 001, 138, 255 | MAGNASONIC MAGNAVOX | 193 221, 001, |
| | 155, 247, | GVISION | 276 | JVC | 167, 058, | MITOTALYON | 138, 260, |
| | 097, 141, | | 196, 077, | | 102, 144, | | 338, 078, |
| | 174, 181, 105, 264, | | 104, 098, 297 | | 176, 106, 268, 216, | | 131,080, 110,116, |
| | 182, 237, | HALLMARK | 001, 138 | | 039, 089, | WAIDOMIO | 040, 202 |
| | 022, 107, 054, 079. | HEWLETT- | 247 277, 269 | KAWASHO | 202 001, 138, | MAJESTIC | 191, 161, 188 |
| | 086,028, | -PACKARD | | | 215 | MARANTZ | 221, 206, |
| | 055, 080, 165, 192, | | 118, 143, 229, 167, | KAYPANI KEC | 048 219, 247 | MAXENT | 001, 138 060 |
| | 219, 190, | | 222,001, | KENWOOD | 001, 138 | MEDION | 263, 128, |
| | 030, 003, | | 138, 197, 327, 188, | KLH KLOSS- | 021 | MEGATRON | 124 |
| | 154, 037, 035, 085, | | 216, 194, | -NOVABEAM | 116,017 | MEGAINON | 001, 138, 143 |
| | 164, 218, | | 096, 150, | KOGI | 276 | MEI | 002 |
| ENVISION | 004, 036 001, 138, | | 202, 154, 105, 240 | KONKA | 247, 189, 057, 087, | MEMUKEX | 001, 138, 142, 193, |
| | 008, 305 | HISENSE | 249, 233, | | 062, 252, | | 045, 191, |
| ESA FISHER | 155 142, 172, | HUGHES | 077, 287 109, 240, | | 239, 265, 140 | | 161, 292, 130, 184 |

| TV Brand Co | de List | | | TV Brand Co | de List | | |
|----------------------|------------------------|-------------|------------------------|------------------|------------------------|-------------------|------------------------|
| MEMOREX | 188 | OPTOMA | 301 | PRINCETON- | 163, 146 | SAMPO | 199, |
| MGA | 001, 033, | | 163,042 | - GRAPHICS | 0.00 | | 013, 060, |
| | 138, 193, 216, 217, | ORION | 200, 045, 036 | PRISM Proscan | 006 191, 093, | | 001, 138, 048, 216 |
| | 202, 178 | PANASONIC | 205, 123, | LKOSCAN | 034, 161, | SAMSUNG | 043, 210 |
| MIDLAND | 191, 200, | I MINIBONIO | 006, 177, | | 231, 258, | DIIMBOITO | 063, 147, |
| | 006, 093, | | 221,023, | | 081, 138 | | 083, 138, |
| | 034 | | 210, 108, | PROTON | 234, 001, | | 001, 033, |
| MINTEK | 070 | | 187, 243, | | 138, 312, | | 041, 232, |
| MINUTZ MITSUBISHI | 220 033, 203, | DHII CO | 168 221,001, | PROTRON | 251, 048, 074 | | 242, 133, 216, 034, |
| MIISUDISHI | 193, 001, | THILCO | 033, 138, | PROVIEW | 293, 298 | | 169, 011, |
| | 138, 022, | | 260, 189, | TROVIEW | 278, 288, | | 066, 266, |
| | 217, 202, | | 304, 116, | PULSAR | 294 | | 160 |
| | 178, 240 | | 040, 202, | QUASAR | 200,001 | SAMSUX | 138 |
| MONIVISION | 059, | DULLIDO | 243, 110 | | 205, 123, | SAMTRON | 043 |
| MONTGOMERY- -WARD | 191, 188, 161, | LHILLIA2 | 221,020, 018,129, | | 006, 177, 221, 023, | SANSUI SANTECA | 045, 184 019 |
| MOTEVA | 142, 335, | | 051, 076, | | 210, 243, | | 142, 092, |
| MOTOROLA | 163, 243, | | 103,001, | RADIO SHACK | 168 | | 172,001, |
| | 135, | | 155, 260, | | 191,001, | | 130, 216, |
| MTC | 001, 033, | | 156, 180, | | 114, 142, | | 119, 178 |
| | 138, 043, | | 196, 310, | | 247, 177, | SCEPTRE | 151, 331, |
| MULTITECH | 147, 002 247 | | 275, 131, 080, 243, | | 138, 105, 238, 161, | SCOTCH SCOTT | 001, 138 001, 138, |
| MULTIVISION | 009 | | 110, 116, | | 216, 192, | 30011 | 193, 247, |
| MYRON & DAVIS | 236 | | 040, 064, | RCA | 219, 042 | | 003, 036, |
| NAD | 001, 138, | | 091, 202, | | 191,001, | | 219 |
| ND 0 | 147,049 | D T.D.O. | 240 | | 114,006, | SEARS | 191, 221, |
| NEC | 206, 001, | PHILIPS- | 221, 020, | | 010, 171, 225, 093, | | 142, 193, |
| | 033, 138, 243, 162, | -MAGNAVOX | 103, 260, 078, 131 | | 149, 207, | | 043,001, 138,093, |
| | 042, 202 | PILOT | 001 | | 033, 138, | | 147, 172, |
| NETTV | 060, 013 | PIONEER | 049, 206, | | 161, 231, | | 155, 161, |
| NEXXTECH | 330,099 | | 222,001, | | 258, 238, | | 226, 145, |
| NIKEI | 219 | | 138, 170, | | 243, 034, | | 024, 080, |
| NIKKO | 001, 138, 115 | PIVA | 154, 027 279 | | 217, 065, 253, 044, | | 216, 034, 178 |
| NIKO | 339 | PLANAR | 292 | | 154, 101, | SELECTRON | 329, 313, |
| NORCENT | 077, 246, | | 233, 259, | | 127, 136, | BELLETRON | 321 |
| | 061 | | 255, 306, | REALISTIC | 081, | SEMP | 319 |
| NTC | 115 | | 289, 140 | | 191,001, | SHARP | 145, 254, |
| OLEVIA | 294, 328, | PORTLAND | 001, 033, | | 114, 142, | | 248, 163, |
| | 316, 332, 291 | | 138, 122, | | 247, 177, 138, 161, | | 001, 138, |
| ONCOMMAND | 291 | PRECISION | 174 072 | | 138, 161, 105, 216, | | 078, 079, 056, 042, |
| ONKING | 219 | PRICE CLUB | 043 | | 192, 219, | | 227 |
| ONWA | 247, 219 | PRIMA | 306,047, | RHAPSODY | 042 | SHOGUN | 001 |
| OPTIMUS | 177, 049, | | 067,099, | RUNCO | 002. | SIGNATURE | 191, 161, |
| | 023, 210 | | 073 | | 200, 206, | | 188, 245 |
| 16 | | | | | ' | • | 17 |

| TV Brand Code List | | | | STB Brand Code List | | | |
|--------------------|------------------------|------------------------|-----------------------|----------------------------|-----------------|---------------|------------------------|
| SIMPSON | 110 | TEKNIKA | 110, 216, | ABC | 528, 564, | DIRECTV | 609, 611, |
| SONIC | 002 | | 219 | | 400, 417, | | 612,613, |
| SONY | 121, 244, | TELECAPTION | 094 | | 434, 588, | | 616,617, |
| | 215, 195, | TELERENT | 191, 161, | | 589,663 | | 682, 683, |
| | 185, 230, | l | 188 | ACCESS HD | 665, | | 684, 685, |
| 22774 | 267 | TERA | 001,074 | ADELPHIA | 551, 533, | | 686, 693 560, 561, |
| SOVA | 334, 281 | TEVION | 128 | ADVANCED - | 625, 628 625 | | 500,501,505,578, |
| SOYO SOUNDESIGN | 315, 324 001, 138, | TMK TOSHIBA | 001, 138 152, 126, | -NEWHOUSE | 023 | | 444, 414, |
| SOUNDESIGN | 193, 247 | TUSHIDA | 147, 173, | ALLEGRO | 405, 421 | | 445, 448, |
| | 110, 219 | | 206, 043, | ALTRIO | 625 | | 450, 458, |
| SPECTRA | 181 | | 142, 042, | AMERICAST | 457, 598, | | 465, 470, |
| SPECTRAVISION | | | 177, 183, | | 623 | | 478, 488, |
| SQUAREVIEW | 155 | | 133, 024, | AMPLICA | 425 | | 496, 504, |
| SSS | 001, 247, | | 031, 216, | ANTRONIX | 472, 491 | | 508, 525, |
| | 219 | | 042,094, | APEX- | 545 561 | | 545, 563, |
| STARLITE | 247 | | , 109, 213 | -*(See page 22) | 472, 491, | | 577, 581, |
| STAR SIGHT | 007 | TRUTECH | 307, 284, | ARCHER | 511, 529 | DTV PAL | 586 416, 433 |
| SUPRA SUPERSCAN | 001, 223 226, 145, | TV EARS | 323 | ARTEC | 666 | DISH NETWORK | 433, 469, |
| SULEKSCHI | 080 | UNIVERSAL | 220,091 | AT&T | 533 | DION NETWORK | 487, 559, |
| SUPERSONIC | 032 | VICTOR | 167 | ATLANTIC - | 625 | | 416, 483, |
| SUPREMACY | 017 | VIDTECH | 001, 033, | -BROADBAND | | | 501, 521, |
| SUPREME | 215 | | 138 | BELL EXPRESSVU | J416, 469, | | 606,610, |
| SVA | 077, 236 | VIEWSONIC | 060, 222, | | 433, 487 | l | 618, |
| SYLVANIA | 221,001, | | 270, 274 | BELL SOUTH | 457, 598, | DISHPRO | 483, 501, |
| | 138, 045, | | 017 | DI UE DIDGE | $623 \\ 625$ | DRAKE | 521, 416 |
| | 155, 260, | VIORE | 300 | BLUE RIDGE BRIGTH HOUSE | 625 | DRAKE | 554, 408, 463 |
| | 325, 105, 080, 134, | | 196, 320, 001 | CABLETENNA | 472 | DREAMBOX | 524 |
| | 110, 116, | | 191, 221, | CABLEVIEW | 472 | DX ANTENNA | 481, 556 |
| | 040, 202, | WARDS | 001, 033, | CABLEVISION | 438, 625 | EASTERN | 453 |
| | 204, 212 | 138, 193 | , 161, 116, | CENTURY | 459,529 | ECHOSPHERE | 487 |
| SYMPHONIC | 247, 155, | 040,091 | , 042, 148, | CHANNEL MASTER | R 462, 482, | ECHOSTAR | 433, 469, |
| | 105,080, | 220, 188 | , 110, 003 | | 500,667 | | 487, 559, |
| ~***** | 003 | WESTINGHOUSE | | CHAPPARAL | 518, 537 | | 416, 483, 501, 521 |
| SYNTAX | 294, 316, | | 290, 082, | CHARTER | 625 537 | EVERQUEST | 401, 521 |
| TANDY | 332 163 | WHITE- -WESTINGHOUS | 171, 174, | CHEYENNE CITIZEN | 529 | EXPRESSVU | 416, 469, |
| TATUNG | 196, 128, | | 299, 105, | COGECO | 533 | LAIRESSYS | 433, 487 |
| INTUNG | 243 | | 159, 169 | COLOR VOICE | 547, 565 | FORTECSTAR | 499, 423, |
| TECHNICS | 006 | YAMAHA | 177, 001, | COMCAST | 533,625 | | 442, 460, |
| TECHWOOD | 001, 138, | | 033, 138 | COMTRONICS | 401, 418 | | 480, 498 |
| | 006 | ZENITH | 200, 138, | CONTEC | 435 | FUJITSU | 540,557 |
| TEKNIKA | 191,001, | 166, 117, 197 | , 122, 143, | COSHIP | 668 | GARRARD | 529 |
| | 033, 138, | | | COX | 625 | GC ELECTRONIC | |
| | 193, 247, | | | DIGITAL- | 404 | GE | 450, 507, 468, 560, |
| | 043, 147, | 053, 106, 237 | , 079, 131, | -MUSIC EXPRES | | | 468, 560, 581, 527, |
| | 177, 161, 017, 188, | | , 245, 141, | DIGITAL SIKEAN | 1009 | | 546, 563, |
| 4.0 | 011, 100, | 188, 115, 029 | | | | I | |
| 18 | | | | | | | 19 |

| STB Brand Code List | | | | STB Brand Code List | | | |
|------------------------|------------------------|--------------|---|---------------------|------------------------|----------------------------|------------------------|
| GE | 497,670 | JERROLD | 621,634, | PANASONIC | 650,651 | REGAL | 654,655, |
| GEMINI | 427, 441, | | 635, 636, | PANSAT | 409, 585 | DDADWAY | 656 |
| CEMEDAI | 492 613 | | 637, 638, | PARAGON | 436, 474, 587, 624 | | 453 |
| GENERAL - -ELECTRIC | 013 | | 639, 640, 648, 652, | PHILCO | 674 | REMBRANDT RODGERS | 564 625 |
| GENERAL - | 593, 621, | | 661, 662 | PHILIPS | 529, 492, | | 438 |
| -INSTRUMENT | 634, 635, | | 487, 559, | THILLIO | 419, 513, | RUNCO | 436, 587, |
| | 636, 637, | | 606,610 | | 531, 549, | | 624 |
| | 638, 639, | | 484 | | 444,559, | SAMSUNG | 401, 402, |
| | 640,648, | | 673 | | 543, 505, | | 410, 574, |
| | 652, 661, | LG | 465, 561, | | 525, 561, | | 577, 448, |
| | 662, 495, | LUVOD | $\begin{array}{c} 545 \\ 502 \end{array}$ | | 488, 545, | | 504, 516, |
| | 528, 417, 533, 568, | | 502 522 | | 506, 465, 428, 592, | | 590, 611, 615, 633 |
| | | MAGNAVOX | 419, 444, | | 612 622 | SANSONIC | 678 |
| | 404, 400, | MITOTALYON | 559, 506, | PHILIPS - | 420, 406, | SCIENTIFIC- | 475, 455, |
| | 564, 467, | | 612 | -MAGNAVOX | 444, 559, | | 438, 422, |
| | 562, 580, | MAGNAVOX - | 674,675 | | 506 | | 551, 434, |
| | | -MODELS 100M | | PIONEER | 411, 473, | | 437, 589, |
| | 526, 432, | MEMOREX | 436, 587, | | 438, 566, | | 594, 597, |
| | 407, 424, | MICROGEM | 624 676 | | 402, 590, 597, 596, | | 620, 625, |
| GLOBECAST | | MITSUBISHI | 545, 561, | | 625, 644, | | 626, 627, 641, 642, |
| GNC | 623 | MITSUDISHI | 488, 505, | | 645 | | 663, 664 |
| GO VIDEO | 523 | | 525, 465 | PRIMESTAR | 467, 526 | SCIENTIFIC- | 690 |
| GOLDSTAR | 590 | MOTOROLA | 489, 486, | PROSAT | 572 | -ATLANTIC | |
| GOODMIND | 671 | | 495, 417, | PROSCAN | 450, 468, | SEREN | 625 |
| HAMLIN | 528, 512, | | 568, 477, | | 527, 581, | | 411 |
| | 530, 548, | | 535, 400, | | 546, 563, | | 533 |
| | 591, 652, 653, 654, | | 533, 440, 564, 621, | | 613 | SIERRA I II III SIGECOM | 625 |
| | 655, 656 | | 628, 629, | PULSAR | 436, 587, | SIGNAL. | 401 |
| HITACHI | 488, 505, | | 687, 688, | 1 CESTIN | 624 | SIGNATURE | 564 |
| | 525, 561, | | 689, 692 | QUASAR | 587 | SKARDIN | 679 |
| | 545, 465, | MOVIE TIME | 454 | RADIO SHACK | | SKY NETWORK | 412, 429, |
| | 564, 603 | NET | 479, 447, | | 421 | | 451, 458, |
| HUGHES | 602 | MODOTAT | 660 | RCA | 450, 507, | CI MADY | 478, 496 |
| HUGHES NETWORK | 1 488, 561, | NOVAPLEX | 541 422 | | 468, 560, 490, 581, | | 401 578, 470, |
| | 543, 545, | | 582 | | 527, 546, | | 508, 426, |
| | 465, 520 | | 454 | | 563, 471, | | 558, 599, |
| HUMAX | 631 | OAK | 435, 493, | | 510, 529, | | 607, 608, |
| ILLICO | 438,625 | | 657, 658, | | 456, 600, | | 619 |
| INSIGNIA | 672 | | 659 | | 605, 613, | SPRUCER | 510 |
| JASCO | 529 | PACE | 412, 429, | DOM | 614, 677 | STANDARD | 494 |
| JERROLD | 495, 528, | DANACONIC | 451,625 | RCN | 570 401 576 | STAR SIGHT | 456, 579 |
| | 417, 477, 564, 400, | PANASONIC | 449, 445, 446, 510, | REALISTIC | 491, 576, 461 | STAR TRAK STARCHOICE | 439, 485 526, 432, |
| | 515, 440, | I | 476, 510, | REGAL | 548, 591, | SIARCHOICE | 467 |
| | 588, 593, | | 601, 649, | KDOHL | 652, 653, | STARCOM | 528, 477, |
| 20 | , , , , , | | , , | | ,, | | 21 |
| | | | | | | | <u> </u> |

STB Brand Code List ZENITH STARCOM 588 451, 554, STARGATE 401 408, 463, STS 481, 519, 431, 567, 538 421, 529, SUPER GUIDE 503 436, 534, SUSPUEHANNA 625 552, 569, 595, 587, SYLVANIA 539,632 TANDY 514 598, 623, TELEVIEW 401 624, 643, 459 TELSAT 672 TEXSCAN 494 ZENITH NETWORK 457 438,625 679 TIME WARNER ZENTECH TIVAX 680 TOCOM 400, 532, 568, 515, 646, 647, 661 TOSHIBA 436, 545, 561, 488, 505, 525, 465, 555, 413, 430, 544, 587, 604,624 TV 86 454 TVA 536 ULTIMATE TV 581,508 UNIDEN 579, 573, 542 UNIKA 472, 491, 529 464, 528 UNITED 472, 491, UNIVERSAL 511, 529, 550, 405 USDIGITAL 630 MOTOROLA/ 681, 691, -VERIZON 692 VIDEO CIPHER IMO8 VIDEO TECH 517 VIDEOTRON 438,625 VIDEOWAY 403 VIEWSTAR 418, 419, 454, 514 VISIONETICS 583 VISIONTEC 553 WEBTV 559, 426 623,625, * For Apex, use learning WIDEOPENWEST ZENITH 466, 414, mode to learn the dash

452, 427,

kеу.