

JUMBO UNIVERSAL REMOTE CONTROL

Model 66687

SET UP AND OPERATING INSTRUCTIONS



Distributed exclusively by Harbor Freight Tools®.

3491 Mission Oaks Blvd., Camarillo, CA 93011

Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

Copyright© 2009 by Harbor Freight Tools®. All rights reserved. No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

For technical questions or replacement parts, please call 1-800-444-3353.

CONTENTS

IMPORTANT SAFETY

INFORMATION	3
SAFETY WARNINGS	3

SPECIFICATIONS..... 5

FCC COMPLIANCE.....	5
TRADEMARK	
ACKNOWLEDGEMENTS	5
UNPACKING.....	5

INSTRUCTIONS FOR PUTTING

INTO USE	6
CONTROLS	6
BUTTON FUNCTIONS	6

SET UP INSTRUCTIONS..... 7

BATTERY INSTALLATION.....	7
SETTING THE CODE FROM THE	
CODE LISTS.....	7
FINDING THE CODE WITH THE	
REMOTE	8
USING THE REMOTE	8
ON-SCREEN MENUS-	
ACCESSING AND SELECTING	
MENU ITEMS	8
SLEEP TIMER	9

CODE LISTS 11

TRADEMARK	
ACKNOWLEDGEMENTS	11
TV CODE LIST	11
TV CODE LIST (CONT.).....	12
PVR/DVR-SAT COMBO CODE	
LIST.....	12
DVD CODE LIST	13
VCR/DV D COMBO CODE LIST	13
DVD LASER DISCS CODE LIST	13

PVR/DVD (DVD) CODE LIST	13
HDTV/SAT CODE LIST	13
VCR CODE LIST	14
VCR CODE LIST (CONT.)	15
CABLE CODE LIST.....	15
CABLE CODE LIST.....	16
AUDIO SYSTEMS LIST.....	16
SATELLITE CODE LIST.....	17
TV/VCR, TV/DVD COMBO CODE	
LIST.....	18
PERSONAL CODE REFERENCE....	18

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if

not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

Safety Warnings



WARNING Read all safety warnings and instructions. Save all warnings and instructions for future reference.

1. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
2. This product is not a toy. Do not allow children to play with this item.
3. Position batteries in proper polarity and do not install batteries of different types, charge levels, or capacities together.
4. Use for intended purpose(s) only.
5. Inspect before use; do not use if parts are loose or damaged.
6. Do not expose to liquids.
7. Do not place under direct sun light, or near or over heat sources.
8. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must

be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



**SAVE THESE
INSTRUCTIONS.**

SPECIFICATIONS

Batteries Required	(2) AA 1.5V Batteries
Dimensions	11"L x 5"W x 3/4" Thick

FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an

outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio TV technician for help.

Trademark Acknowledgements

All brand names and trademarks are the property of their respective holders.

Unpacking

When unpacking, make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at 1-800-444-3353 as soon as possible.

INSTRUCTIONS FOR PUTTING INTO USE



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Controls



Figure 1

Button Functions

CODE SEARCH: Used to program the remote or to search through codes.

LED INDICATOR LIGHT: The LED flashes to show that the remote is working properly. The LED will light up whenever a button is pressed and will turn off when the button is released. The LED will also blink when codes are entered into the Remote.

ON/OFF: Operates the same as your original remote. Some RCA, GE and ProScan models require you to press the Code Search Button to turn on the unit and press the remote Power button to turn it off.

SLEEP: Allows you to set a time for the remote to turn off your device automatically.

GUIDE: Brings up the on-screen TV program guide, if your TV has that feature.

MENU: Brings up the Main Menu of many devices that have a built in menu system.

GO BACK: Allows you to go to the previous channel.

MUTE: Mutes volume on TV.

DEVICE SELECT CONTROLS (CABLE, TV, VCR, DVD, SAT): Used to select the device you want to control.

0-9 NUMBER BUTTONS: The number buttons operate the same as on your original remote and are used to enter channel numbers or device codes.

ENTER: Used to complete channel selection for some brands of TV.

TV/VCR: Operates the TV/VCR function of your VCR.

ON SCREEN NAVIGATION: Used to

move though on screen menu and guide. With some DBS (direct broadcast satellite) models up and down. On some DBS models the INFO button should be used to select the highlighted item.

CHANNEL CONTROLS: Used for changing the channels.

VOLUME: Increases or decreases the volume.

DEVICE CONTROLS (REVERSE, PLAY, FORWARD, REC, STOP, PAUSE): These buttons are for DVD/VCR/DVR use and operate the same as your original remote. You must press the RECORD button twice to start recording.

INFO: Shows the date and the time if your TV or VCR has that feature.

CLEAR: Removes the on screen display to return to normal viewing.

SET UP INSTRUCTIONS

Battery Installation

1. Remove the battery compartment cover from the back of Remote.
2. Install (2) "AA" batteries, making sure to install according to indicated polarity.
3. Slide battery compartment battery over batteries and snap into place.

Note: Reprogramming may be required after batteries have been replaced.

Setting the Code from the Code Lists

1. Find your device brand on pages 11 through 18 and follow the steps below.

Note: Some brands have more than one code in the listings. You may need to repeat the following steps, trying several of the codes until you find the code that works with the Remote and your device.

2. Turn on the device you want to program into the Remote.
3. Aim the Remote at the device and press and hold the Code Search Button until the LED Indicator Light turns on and stays solid red. Release the button.
4. Press and release the Device Select Control button for the device that you are programming (CABLE, TV, VCR, DVD OR SAT). The LED will blink once, then remain solid.
5. Enter the corresponding 3-digit code using the number keys. The LED will blink as each number is pushed, then remain solid. You must enter the 3-digit code within 30 seconds.

If, after entering the code, the LED turns off, then the remote has recognized the entry. Go to the next step.

If the LED flashes, the code is not recognized and you will need to repeat steps 3 - 5 for the next code in the list, or use one of the following alternate methods to find the code with the remote.

Note: The remote may recognize the code but the device may not. You may need to try more than one code to get the device to function.

6. When the LED has turned off, meaning the Remote has recognized

the code, press ENTER. The LED will flash.

7. Press the Device Select Control button (CABLE, TV, VCR, DVD OR SAT) that you programmed. The LED will blink once.
8. Press the ON/OFF button. If the device you are programming turns off, you may have found the correct code. Press the ON/OFF button again. If the device turns on, you have found the correct code. If the device does not turn back on, this is not the correct code and you will need to try again with a different code from the list or use one of the other following methods to find the code with the remote.
9. Use the Personal Code Reference chart at the back of this manual to record your codes for easy reference.

Finding the Code with the Remote

1. Manually turn on the device to be controlled.
2. Press and hold the Code Search Button until the LED stays on. Release the Code Search Button.
3. Point the Remote at the device and press then release the Device Select Control button (CABLE, TV, VCR, DVD OR SAT) to select that unit.
4. Point the Remote at the device and press and release the ON/OFF Button. The LED will flash once, each time you press the ON/OFF Button. Keep doing this slowly until the device turns off. It may take up to 300 times to reach the correct code since

you will be searching through all the codes.

5. When the device turns off, immediately press and release the ENTER button to store the code for that device.
6. Press the ON/OFF button and the device should turn on (this ensures that the code was properly stored in the remote for that device).
7. Test all other buttons on the Remote to verify they work properly.

Note: When the Remote is set and no keys have been pressed for fifteen seconds, the Code Search feature will automatically turn off.

Using The Remote

1. Since the Remote controls more than one device, you must "tell" the Remote which device you wish to operate. If you wish to operate your TV, you must first press the TV key to put the Remote in the TV mode.
2. The Remote will stay in the selected mode (such as TV) until it is changed. If your Remote is in TV mode, you must change the mode to operate other devices like DVD, VCR, satellite receiver or cable box. For example, if the Remote is in VCR mode and you wish to turn off the TV, first press the TV key before pressing the ON/OFF Button.

On-Screen Menus-Accessing And Selecting Menu Items

Many devices have on screen menus to help you navigate through their features and functions. Although this

remote can not access every menu setting of every device, it does allow access to some device's menus.

1. To use a device's on-screen menu system, first turn on the TV and the device you want to access.
2. Press and release the TV button to access TV mode.
3. Press and release the INPUT button several times to toggle through the video sources until the TV is selected.
4. Press and release the Device Select Control button (CABLE, TV, VCR, DVD OR SAT) of the menu you wish to access.
5. Press and release the Menu button. The LED will blink, indicating you are in Menu mode.
6. Use the Volume and Channel control buttons to navigate through the on-screen menu system.
7. To make a selection from the on-screen Menu, press the MENU, OK, INFO, and then ENTER keys to select the highlighted item.

Note: If the Remote does not respond, make sure the LED light is still blinking. Remember, it times out after fifteen seconds. If this happens, press the Menu Button again and retry selection.

8. The Remote automatically times out of Menu mode after fifteen seconds without a key being pressed. Once this happens, the Remote will clear the displayed menu from the TV.
9. If you wish to exit the menu yourself, press the corresponding device key

on the Remote (TV, DVD, VCR, etc.) The LED light will turn off.

Sleep Timer

This feature allows the TV to turn off automatically after a specified length of time. It can range from 1 to 99 minutes.

Note: The Sleep Timer only works if you are programmed to your TV mode and have the Remote aimed at the TV.

1. To program the Sleep Timer, first press and release the TV Button.
2. Press and hold the Sleep Button for five seconds. The LED light will turn on.
3. Release the Sleep Button.
4. Using the number keys, enter the desired time in minutes (from 1 to 99). To set the Timer to a time that is under ten minutes, press "0" and then the desired number ("05" for five minutes.) The LED will blink with each pressed key.
5. Once the second number is entered, the LED turns off and the Sleep Timer is now set.
6. Leave the remote aimed at the TV. Once the Sleep Timer is set, you can continue to use the remote without affecting the Sleep Timer. However, because the timing mechanism for the Sleep Timer is built into the Remote itself, the remote must be in TV mode and pointed at the TV to activate the Sleep Timer.

Note: If you press any key other than the numbers, they will be ignored. You

will have ten seconds to program the Sleep Timer, otherwise the LED will blink four times and exit the program.

7. Be sure to leave the Remote aimed at the TV. Once the Sleep Timer is set, you can continue to use the Remote without altering the Sleep Timer.
8. Please remember that the Remote must remain in TV mode for the Sleep Timer to activate.
9. To cancel the Sleep Timer, press and release the Sleep Button and the ON/OFF Button. This will reset the program to zero. The LED will flash, stating the time has been reset to Zero.

CODE LISTS

Trademark Acknowledgements

All brand names and trademarks are the property of their respective holders.

TV CODE LIST

Company	Codes
ABEX	185
ACME	039,050
ADA	007,008
ADC	003
ADMIRAL	001,173
ADVENTURA	174
AIKO	058
AIWA	195,196
AKAI	002
ALLERON	051
AMARK	020
AMTRON	053
AMSTRAD	189
ANANATIONAL	003,025,042,053,193
AOC	004,005,007,009,014,132,156,175
APEX	214
ARCHER	020
AUDIOVOX	053
BANG&OLUFSEN	190
BELCOR	004
BELL&HOWELL	000,001,049
BRADFORD	053
BROKSONIC	136,147
BROKWOOD	004
CANDLE	004,008,009,174
CENTURION	009
CAPEHAPT	175
CELEBRITY	002
CENTURION	009
CENTRONIC	042
CHANGHONG	214
CITIZEN	001,004,008,009,042,053,058,105,109,177
CLOIRTONE	014
CLASSIC	042,214
COLORTYME	004,009,010
CONCERTO	004,009
CONCIEREG	121
CONTEC/CONY	012,013,014,042,053
CRAIG	042,053
CROWN	042,053
CXC	042,053
DAEWOO	004,005,009,017,018,019,042,058,082,085,097,100,126,127,130,138
DAYTRON	004,009
DIMENSIA	000,031
DUMONT	004,121
DYNASTY	042
ELEKTRA	001
ELECTROBAND	002,014
ELECTROHOME	003,004,009,022,133

Company	Codes
EMERSON	004,009,014,023,024,025,035,036,037,038,039,040,041,042,043,045,049,051,053,116,135,147,155,177,179,189,198
ENVISION	004,009
FISHER	013,049,180,209
FUJITSU	051,197
FUNAI	042,051,053,155,189,198
FUTURETEC	042,053
GE	000,003,004,009,015,022,031,044,052,054,055,087,092,103,107,125,164
GIBRALTER	004,121
GRUNDY	051,053
HALLMARK	004,009
HARVARD	053
HITACHI	001,004,009,013,059,060,061,088,091,137,139,140,141,142,143,144,145,146,179,210
HAIER	216,217
IMA	053
INFINITY	062
INTEQ	121
JANEIL	174
JBL	062
JCB	002
JC PENNY	000,004,005,008,009,015,022,030,031,052,054,055,087,105,107,109,172
JENSEN	004,009
JVC	013,054,055,060,065,067,089
KAWASHO	002,004,009
KAYPANI	175
KEC	042
KENWOOD	004,009
KLOSS	068,069,174
NOVABEAM	
KTV	014,021,042,053,070,116,177
LG (GOLDSTAR)	004,005,009,056,057,155,156,172
LODGENET	000,001
LOEWE	062,211
LOGIK	000,001
LUXMAN	004,009
LXI	000,004,009,015,031,049,062,107,109
MEGATRON	009,059
MAGNAVOX	004,008,009,062,068,069,074,075,077,089,163,165
MAJESTIC	000,001
KONKA	016,047,066,157,148,176
MARANTZ	004,009,062
MEGATRON	004,009,059
MEI	014
MEMOREX	000,001,004,009,049,051,135
MGA	004,005,009,022,051,180

TV CODE LIST (CONT.)

Company	Codes
MIDLAND	015,054,055,107,121,172
MINUTZ	052
MITSUBISHI	004,005,009,022,051,081,089,132,180
MONTGOMERY WARD	000,001
MOTOROLA	003,173
MTC	004,005,009,014,105,109
MULTITECH	053
MULTIVISION	084
NAD	004,009,109,185
NEC	003,004,005,009,010,085,089,095
NIKEI	042
NIKKO	004,009,058
NTC	058
ONKING	042
ONWA	042,053
OPTIMUS	170,185
OPTONICA	095,173
ORION	035,121,135
PANASONIC	003,054,055,062,070,148,170,171
PHILCO	003,004,005,008,009,062,068,069, 074,075,077
PHILIPS	003,004,006,008,062,068,069,074,075, 077,086,087,089,163,183,184,205,206, 207,208,212,213
PILOT	004
PIONEER	004,009,090,179,185
PORTLAND	004,005,009,058
PRICE CLUB	105
PRECISION	166
PRISM	055
PROSCAN	000,015,031,107
PROTON	004,009,093,175,186,192
PULSAR	121
PULSER	004
QUASAR	003,054,055,062,070,148,170,171
RADIO SHACK	000,004,009,031,041,042,048,049,053, 095,155,170,172,194
REALISTIC	000,004,009,031,041,042
RCA	000,003,004,005,007,009,011,015,048, 082,092,094,096,098,101,102,103,107, 113,125,129,167,179,187,188,191,194
RHAPSODY	014
RUNCO	121
SAMPO	004,009,046,172,175
SAMSUNG	004,005,009,015,104,105,106,109,172

Company	Codes
SAMSUX	009
SANSUI	135,136
SANYO	004,013,049,108,110,180,209
SCOTCH	004,009
SCOTT	004,009,024,035,042,051,053
SEARS	000,004,009,013,109,110,180,189
SPELTRAVISION	203
SHARP	004,009,079,173
SHOGUN	004
SIGNATURE	000,001,023
SIMPSON	008
SONIC	014
SONY	002,006,071,128
SOUNDESIGN	004,008,009,042,051,053
SQUAREVIEW	189
SSS	004,042,053
STARLITE	053
SUPRE-MACY	174
SUPREME	002
SYLVANIA	004,008,009,062,068,069,074,075,077, 155,161,163,189,198
SYMPHONIC	033,053,155,189,198
TANDY	173
TATUNG	003
TECHNICS	054,055
TECHWOOD	004,009,054,055
TEKNIKA	000,001,004,005,008,009,013,042,051, 053,058,105,109,170,174
TELECATION	117
TELERENT	000,001
TERA	004,186
TMK	004,009
TOSHIBA	013,049,089,105,109,117,118,120,159, 178
UNIVERSAL	052,087
VICTOR	060
VIDTECH	004,005,009
VIKING	174
WARDS	000,001,004,005,008,009,024,031, 033,051,052,062,068,069,074,075, 087,095,119
WHITE WESTINGHOUSE	097,100,130,155
YAMAHA	004,005,009
ZENITH	000,001,004,023,038,058,059,064,073, 121,135,136,153

PVR/DVR-SAT COMBO CODE LIST

Company	Codes
BELL EXPRESSVU	195
DISH NETWORK	195
ECHOSTAR	195
RCA	176

DVD CODE LIST

Company	Codes
AIWA	189
AKAI	170
AMES	206
APEX	165,166,167,199,205,220,232,234
A-TREND	168
CLASSIC	206
CYBERHOME	168
DAEWOO	215,216,219
DENON	175,196
DIGITREX	220
ELTA	209,210
EMERSON	171,231,233
FISHER	191
FUNAI	231,233
GE	184,205
GOLDSTAR	171
GO-VIDEO	182,201
GRADIENTE	190
HARMAN/KARDON	202
HITACHI	179,194
HITEKER	220
INTEGRA	197
JVC	181,193
KENWOOD	175,204
KLH	205
KONKA	185,186,187,188
KOSS	190
LASONIC	229
LG	171
MAGNAVOX	173,183
MARANTZ	171,173,183
MICROSOFT	178
MINTEK	205
mitsubishi	177

Company	Codes
MUSTEK	206
NAD	171,208
NAKAMICHI	207
ONKYO	197
OPTIMUS	179
ORITRON	190
PANASONIC	175
PHILIPS	173,183,198
PIONEER	179
PROLINE	190
PROSCAN	184
RADIOSHACK	218,224,228
REOC	226
RCA	178,184,205,218,224,228
SAMSUNG	182,230
SAMPO	192
SANYO	191
SEG	203
SHARP	172
SHERWOOD	200
SHINCO	205
SONY	009,174
SYLVANIA	231,233
SYMPHONIC	231,233
TEAC	179
TECHNICS	175
TEVION	221,223,225,226,227
THETA DIGITAL	179
TOSHIBA	173,211,222
WHARFEDALE	217
YAMAHA	175,195
YAMAKAWA	213
ZENITH	171,180,212

VCR/DV D COMBO CODE LIST

Company	Codes
GO-VIDEO	230
JVC	151
PHILIPS	183
SAMSUNG	230
SANYO	042,191

PVR/DVD (DVD) CODE LIST

Company	Codes
PANASONIC	148
PHILLIPS	146
RCA	184
REPLAY TV	148
SONIC BLUE	148
SONY	147
TIVO	146,147

DVD LASER DISCS CODE LIST

Company	Codes
DENON	080
PIONEER	080
PROSCAN	083
RCA	083
SANYO	007
SONY	098
ZENITH	007

HDTV/SAT CODE LIST

Company	Codes
HUGHES	169,170,172,178
PANASONIC	126
PHILIPS	156
RCA	190,198
SAMSUNG	134,153
SHARP	144
SONY	163
ZENITH	135,174

VCR CODE LIST

Company	Codes
ADMIRAL	001
ADVENTURA	026
AIKO	027
AIWA	002,020,026,044
AKAI	003,004,005,006,008,009,111,112
ALLEGRO	018,022,104
AMERICAN HIGH	021,060
ASHA	134
AUDIO DYNAMICS	009,123
AUDIOVOX	014
BELL&HOWELL	043
BEAUMARK	134
BROKSONIC	012,025,031,064,085
CALIX	014
CANDLE	009,014,015,016,017,019,134
CANNON	021,060,114,115
CAPEHART	104
CARVER	062
CCE	027,061
CITIZEN	009,014,015,016,017,019,027,134
COLORTYME	009
COLT	061
CRAIG	014,036,074,134
CURTIS-MATHES	000,002,009,016,021,024,060,109,115,133,134
CYBERNEX	134
DAEWOO	015,017,019,025,026,027,028,054,109
DBX	009,123
DIMENSIA	000
DYNATECH	002,026
ELECTROHOME	014,029
ELECTROPHONIC	014
EMERSON	002,006,008,012,014,015,021,024,025,026,029,030,031,032,034,036,037,038,039,040,041,043,044,045,047,060,065,105,116,134
FISHER	009,023,042,043,048,049,050,062,079
FUJI	004,021,060
FUNAI	002,008,026
GARRARD	026
GE	000,021,053,060,115,117,120,134
GRADIENTE	026
GO-VIDEO	134,143
HARLEY DAVIDSON	026
HARMAN KARDON	009,068
HARWOOD	061
HEADQUARTER	043
HITACHI	002,055,057,107,111,120,122,144,145
HI-Q	023
INSTANT REPLAY	008,021,060
INTEQ	014
JCL	021,060
JC PENNEY	009,014,043,055,060,107,123,111,115,118,134
JENSEN	055,111
JVC	009,022,043,111,123,151,152
KENWOOD	009,016,043,111,123
KLH	061,131
KODAK	014,021,060

Company	Codes
LLOYD	002,026
LOGIK	061
LXI	014
MAGNAVOX	021,060,062,104,106,115,124
MAGNIN	134
MARANTZ	009,016,021,043,060,062,064,114,123
MARTA	014
MASUSHITA	021,060
MEI	021,060
MEMOREX	001,002,014,021,023,026,043,060,104,112,134
MGA	029,065
MGN TECHNOLOGY	013
MIDLAND	053
MINOLTA	055,107
MITSUBISHI	029,051,052,055,065,066,068,069,070,071,073,074,123
MONTGOMERY WARD	001,075
MOTOROLA	001,021,060
MTC	002,026,134
MULTITECH	002,026,053,061,134
NEC	009,016,024,043,064,076,077,078,111,123
NIKKO	014
NOBLEX	134
OLYMPUS	021,060
OPTIMUS	001,014,134,136,137,138,149
OPTONICA	075,134
ORION	031
PANASONIC	021,060,115,125,138,148,149
PENTAX	016,055,107,120
PENTAX RESEARCH	009
PHILCO	021,060,062,115
PHILIPS	021,060,062,063,075,103,106,108,124,146,153
PILOT	014
PIONEER	055,080,081,123
PORTLAND	016,017,019
PROSCAN	000
PROTEC	061
PULSAR	104
QUARTER	043
QUARTZ	043
QUASAR	021,060,115,125,149
RCA	000,003,021,055,060,082,083,084,086,087,088,089,090,091,107,110,115,120,125,134,137
RADIOSHACK	000,001,002,014,021,023,026,029,043,049,050,060,075,112,115,117,134,136,137,138
RADIX	014
RANDEX	014
RICOH	128
RUNCO	104
SAMSUNG	005,015,053,055,112,129,134
SANKY	001,104
SANSUI	111,123

VCR CODE LIST (CONT.)

Company	Codes
SANYO	023,042,043,079,134
SCOTT	012,015,025,032,038,065,093,116
SEARS	014,021,023,043,048,049,050,055,060,062,107,118
SHARP	001,002,017,029,075,135,136,142
SHINTOM	004,055,061,128,132
SHOGUN	134
SIGNATURE	002
SINGER	021,060,061
SONY	004,099,128,139,140,141,147,154,155
STS	021,055,060,107
SYLVANIA	002,008,026,060,062,065,115,124,231
SYMPHONIC	002,008,011,026
TANDY	002,043
TASHIKO	014
TATUNG	111
TEAC	002,026,111
TECHNICS	021,060

Company	Codes
TEKNIKA	002,014,021,026,060,100
TOSHIBA	015,049,055,062,065,093,116
TOTEVSION	014,134
TMK	024,047,134
UNITECH	134
VECTOR RESEARCH	009,015,016,123
VICTOR	123
VIDEO CONCEPTS	009,015,016,029,123
VIDEOSONIC	134
WARDS	001,002,014,015,021,023,026,029,055,060,061,075,101,107,116,134
WHITE WESTINGHOUSE	002,008
XR-1000	021,026,060,061
YAMAHA	009,043,111,123
ZENITH	001,004,007,010,014,018,022,056,058,059,085,104,119,123,128,133,145

CABLE CODE LIST

Company	Codes
ADC	000
ADCOM	001,054
AIWA	002,003,047,182
AKAI	055,077,170
AUDIO TECHNICA	005
CALIFORNIA AUDIO LABS	056
CAPETRONIC	009
CARVER	006,007,008,165
CASIO	117
CITIZEN	166
CURTIS MATHES	117
DENON	010
EMERSON	001,013
FISHER	007,015,016,017,058
GE	065
GENEXXA	013,018,059
GOLDSTAR	060
HARMON KARDON	020,031
HITACHI	018
INKEL	021
JC PENNEY	030,117
JVC	022,153
KENWOOD	019,023,025,067,068,168
KRELL	006
KYOCERA	000
LUXMAN	026,027,069,078
LXI	117
MAGNAVOX	006,071,140
MARANTZ	006,028,029,072
MCS	030,117
MGA	031
MISSION	006
mitsubishi	031,032
NAD	061,083
NAKAMICHI	033,034,171

Company	Codes
NEC	030
NIKKO	005,013,016
NSM	006
ONKYO	035,036,062,151
OPTIMUS	007,008,018,024,037,038,039,040,084,087,091
PANASONIC	056,073,080,160,202
PHILIPS	006,071,165
PIONEER	018,041,042,059,090,177,216
PROTON	006
QUASAR	056
RCA	043,063,090,135,184,185,214,216
REALISTIC	001,007,009,013,018,029,037,039
ROTEL	006
RADIOSHACK	008,046,090,126,208,214,216
SAE	006
SAMSUNG	081
SANSUI	006,044,063,074
SANYO	007,045,058,075,082
SCOTT	001,013
SEARS	024,029,117
SHARP	024,019,029
SHERWOOD	021,029,038,046,199
SHURE	030
SONY	047,048,132,134,140
STS	000
SYLVANIA	006
SYMPHONIC	049
TEAC	016,029,039,049,050,051,196
TECHNICS	056,073,160,202
THETA DIGITAL	071
TOSHIBA	061
VICTOR	022
YAMAHA	005,052,053,064,186
ZENITH	016,070,099,124,190

CABLE CODE LIST

Company	Codes
ABC	001,002,003,004,005,006
ALLEGRO	064,065
AMERICAST	067
ANTRONIX	009,008
ARCHER	008,009,010,011
CABLETENNA	008
CABLEVIEW	008
CENTURY	011
CITIZEN	011
COLOUR VOICE	012,013
COMTRONICS	014,015
CONTEC/CONY	016
EASTERN	017
GARRAARD	011
GC ELECTRONICS	009
GEMINI	018,019,076
GE	089
GENERAL INSTRUMENT	003,049,051,053,054,058,068,069,070,071
HAMLIN	020,021,022
HITACHI	003
HYTEX	002
JASCO	011
JERROLD	001,003,004,005,018,024,049,050,051,066,068,069
MAGNAVOX	025
MEMOREX	026
MOVIE TIME	002,027
NSC	002,027
OAK	002,016,029
PANASONIC	000,048
PARAGON	026
PHILIPS	011,012,013,019,025,030,031,032
PIONEER	033,034,038
PULSAR	026
RADIO SHACK	045,065,074
RCA	000,047

Company	Codes
REALISTIC	009
REGAL	022
REGENCY	017
REMBRANDT	003
RUNCO	026
SAMSUNG	014,034
SCIENTIFIC ATLANTA	006,036,037,038,075,136,147
SIGNAL	014,018
SIGNATURE	003
SL MARX	014
SPRUCER	000
STANDARD COMPONENTS	039
STARCOM	001,018
STARGATE	014,018
STARSIGHT	060
STAR SIGHT CABLE SERVICE	047
STARQUEST	018
STAR TRAK	056
TANDY	040
TELEVIEW	014
TEXSCAN	039
TOCOM	004,041,053
TOSHIBA	026
TUSA	018
TV86	027
UNIKA	008,009,011
UNITED ARTISTS	002
UNITED CABLE	001
UNIVERSAL	008,009,010,011,042
VIDEOWAY	044
VIEWSTAR	015,025,027,040
VIDEO TECH	090
ZENITH	026,028,043,057,059,060,061,062,063,064,065,067,073

AUDIO SYSTEMS LIST

Company	Codes
AIWA	179,182,191,200
CARVER	165
CITIZEN	166
DENON	143,157
FISHER	154,161
GOLDSTAR	106
HARMON KARDON	144,158
JVC	130,153,159
KENWOOD	023,148,156,168,172,209
NAD	061,079,083
MAGNAVOX	136,154
MARANTZ	028,164
MITSUBISHI	217
ONKYO	145,151,152
OPTIMUS	091,092,094,133,007,087,088,089
PANASONIC	056,076,131,150,155,163,203,204
PHILIPS	095,154,163,164,165

Company	Codes
PIONEER	177,206,207,218
RADIO SHACK	046,094,133,146,205,206,207,208,215,218,219
RCA	057,112,121,135,167,185,206,207,210,211,212,215,218,219
REALISTIC	162
SANYO	045
SCOTT	108
SHARP	011,037,149
SHERWOOD	046,159,198,199
SONY	118,137,138,139,173,174,175,176,183
TEAC	050,147,195,196,197
TECHNICS	056,076,131,150,155,163,203,204
VENTURER	085
YAMAHA	141,142,178,180,181,186,187,188,189
ZENITH	016,070,089,099,105,106,124,154,190

SATELLITE CODE LIST

Company	Codes
AMPLICA	115
BELL EXPRESSVU	168,187,194
CHANNEL MASTER	117,118,119
CHAPPARAL	100,101
CHEYENNE	101
DIRECT TV	200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217
DISH NETWORK	128,129,130,168,187,188,194,195
DRAKE	102,114,127
DSS HITACHI	172,181
DSS HUGHES SATELLITE	169,170,172,173,178
DSS MAGNAVOX	116,152,179
DSS PANASONIC	126,166
DSS RCA	176,189,192,193,198
DSS SONY	125,163
DX ANTENNA	108,122
ECHOSPHERE	168
ECHOSTAR	128,129,130,168,187,194
FUJITSU	131,132
GE	176,162
GEMINI	135
GENERAL INSTRUMENTS	104,105,106,133,182,183,184,185
JERROLD	137

Company	Codes
JVC	188
KENWOOD	138
LUXOR	139,179
MACOM STATE	140
NORSTAT	141,186
PACE	154,155
PHILIPS	116,152
PIONEER	124
PRIMESTAR	167,180,179
PROSCAN	162,176
REALISTIC	107,143
SAMSUNG	134,153
SHARP	144
SIERRA I,II,III	101
STAR SIGHT	173
STAR TRAK	148,111
STARCHOICE	167,180,185
STS	108,110
SUPER GUIDE	149
THOMSON	154
TOSHIBA	112
TOSHIBA DSS	164,165,171
UNIDEN	113,151
VIDEO CIPHER II	114
ZENITH	102,103,114,127,135,155,174,175,186

TV/VCR, TV/DVD COMBO CODE LIST

Company	TV	VCR/DVD
ADMIRAL	115	001
	124	001
AIWA	155	002
	155	008
BROKSONIC	136	085
CANDLE	153	014
CURTIS-MATHES	073	133
DAEWOO	039	027
	097	027
	138	054
EMERSON	036	041
	039	027
	155	002
	155	008
	198	231
FISHER	209	043
FUNAI	155	002
	155	008
	198	231
GE	102	117
	194	117
GOLDSTAR	121	113
	153	014
	155	008
HITACHI	155	002
INFINITY	062	062
KONKA	157	187
	158	188
LG	121	113
	153	014
	155	002
LXI	155	002
MAGNAVOX	062	062
	115	001
MEMOREX	209	043

Company	TV	VCR/DVD
PANASONIC	148	138
PHILIPS	062	062
	212	063
	213	103
PHILIPS/ MAGNAVOX		
QUASAR	148	138
RCA	102	117
	194	117
RADIOSHACK	102	117
	194	117
SAMSUNG	073	129
	073	133
SANSUI	135	085
SANYO	209	043
SHARP	124	001
SONY	002	155
	128	155
SYLVANIA	155	002
	155	008
	198	231
SYMPHONIC	155	002
	155	008
	198	231
TOSHIBA	178	115
WHITE WESTINGHOUSE	155	002
	155	008
ZENITH	036	041
	073	133
	097	027
	121	104
	121	113
	136	085
	153	014

Personal Code Reference

TYPE	UNIT	CODE
TV		
VCR		
SAT		
DVD		
CABLE		

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.