

# ENTONE

## Remote Control User Guide

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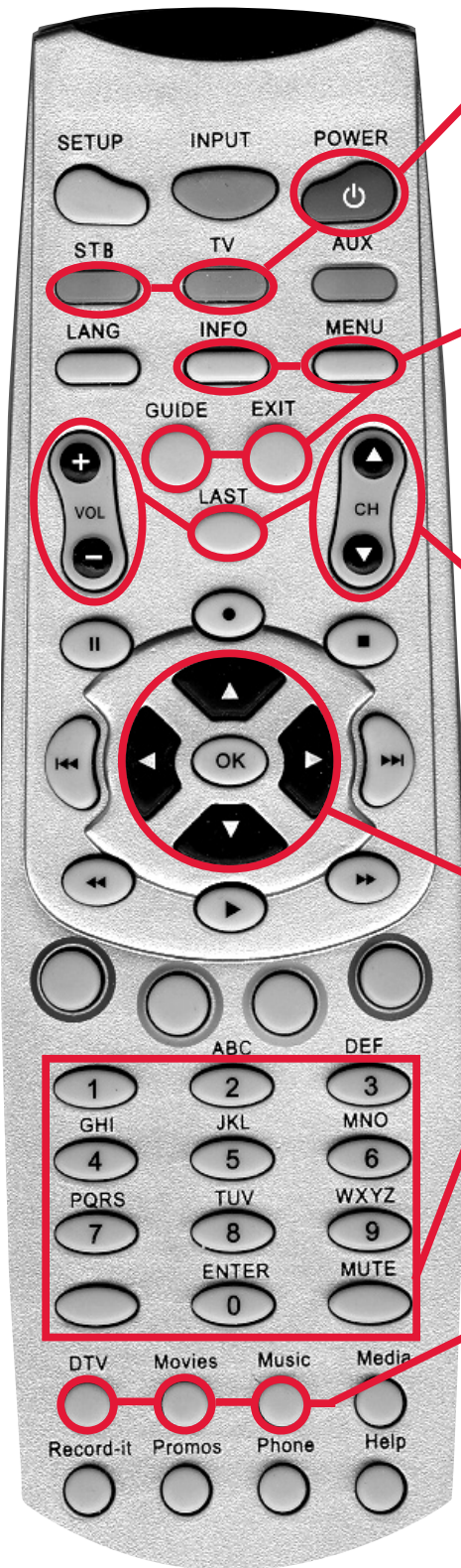


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# ENTONE Remote Control User Guide


Your remote controls the set top box, your television set and, optionally, an auxiliary device like a DVD player or VCR, Press **STB**, **TV** or **AUX** to select the device you wish to operate.



## Functions section by section:

### 1. Turn TV On:



- Press **TV**, then **POWER** to turn the TV on or off.
- Press **STB** (Set Top Box), then change channels.

*Note: If your TV screen displays instructions to press  then **POWER**, then press **STB** then **POWER** to activate system.*

### 2. Program Guide







- INFO** provides information about selected program
- MENU** displays system menu to access features
- GUIDE** displays detailed program listings
- EXIT** returns to program or to previous menu

### 3. Volume and Channel

- VOL +/-** adjusts volume on TV
- CH  / ** changes channel
- LAST** Return to last channel viewed

*Note: If pressing the channel button causes your picture to be snowy, use the number keys to enter the channel on your remote's label (10, 12, or 23), then press **STB** and begin to change channels.*

### 4. Navigation

-     to move on-screen highlights.
- OK** to select the highlighted option.
- Move a page at a time in the program guide:
  -  Page left
  -  Page right

### 5. Numeric Keypad

- Enter channels or other numeric information at menu prompts.
- MUTE** silences TV volume
- Note: Press **VOL +** to cancel **MUTE**.*

### 6. Features:

- DTV** Digital TV returns to normal viewing at any time
- MOVIES** future release of Video on Demand
- MUSIC** 46 channels of commercial-free music
- Note: Other buttons are not used.*

**Important:** Each of your remotes should be labeled 10, 12 or 23 by your installer. The numbers correspond to the channel the TV must be tuned to. If your remotes are not labeled, Hargray recommends that you use a sticker or colored label to keep the remote with the appropriate TV.

# ENTONE Remote Control Registration Procedure

For the new Hydra Remote Control (that has three LED back light on Myrio, TV and AUX key), we have introduced a new and simpler Remote control registration method via RF and

- A. Ensure the Hydra is turned on and the remote control antenna is installed.
- B. Press and hold the **ENTER** button on the Hydra front panel for approx. 5 seconds. When releasing the **ENTER** button, front panel LED blinks red and green alternatively twice then remains red. The Hydra is now in remote registration mode.
- C. On the remote control handset, press and hold the **STB** button on the remote control for approximately 4 to 5 seconds. The **STB** backlight LED will illuminate. The remote control handset is now in registration mode.
- D. Keys **"0"**, **"1"**, **"2"** or **"3"** are used to send the registration event:
  1. Press **"1"** to send the **"Register remote control to Decoder "1"** event
  2. Press **"2"** to send the **"Register remote control to Decoder "2"** event
  3. Press **"3"** to send the **"Register remote control to Decoder "3"** event
  4. Press **"0"** to set IR mode only. The remote control won't send any RF signal afterward

Pressing a key other than **"0"**, **"1"**, **"2"** or **"3"** will cause the STB LED to extinguish. If a button isn't pressed within 10 seconds the STB LED will extinguish and the remote control registration will be terminated.

- E. The STB backlight LED on the remote control handset will blink twice to indicate that the registration process was successful. When Hydra receives the remote registration event (i.e., event **"0"**, **"1"**, **"2"**, or **"3"**), the front panel LED will blink showing the successful registration event. If Hydra does not receive any remote registration event within 30 seconds, the process will be terminated and the front panel LED turns from Red to Green.

# ENTONE Programming Device Control

- A. Use the remote control's mode keys (i.e., **STB**, **TV**, or **AUX**) to control a specific device. When pressed, the selected mode key will light, confirming your choice.
- B. Entone universal remote is pre-programmed at the factory to operate Entone set-top-box. The default TV device is brand APEX while the default AUX device is brand JVC VCR. To control devices other than default brands (excluding Entone box), perform the following steps:
1. Turn on a device (e.g., VCR or DVD player) and with media inserted (if applicable)
  2. On the remote control, press a device key once (i.e., **AUX** or **TV**)  
*Note: Use the AUX key to program control of VCR, DVD Player, Cable Box, Satellite Set-Top-Box and Audio Device*
  3. Press and hold the **SETUP** key until the selected mode key blinks twice, then release **SETUP**
  4. Locate the code for the desired device in the code set table (brands are listed in alphabetical order)
  5. Enter the first four-digit code for your device. If you perform this procedure correctly the selected mode key will blink twice.  
*Note: If you enter an invalid code, the selected device key will fast blink 7 times. Device program mode will be terminated.*
  6. Aim the control at your device and press the **POWER** once. The device should turn off. If it does not respond, repeat the above steps.

# ENTONE Searching for your Code

- A. If your home entertainment device does not respond to the remote control after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code.
- B. For example, after trying all of the codes for your TV, you still cannot get the remote control to operate your TV, then:
1. Turn on your TV
  2. On the remote control, press **TV** once. Then press and hold **SETUP** until the **TV** key blinks twice, then release **SETUP**
  3. Press the **POWER** key once
  4. Aim the remote control at the TV
  5. Press either **CHANNEL UP** or **CHANNEL DOWN** key to do device auto-scan:
    - a. Press the **CHANNEL UP** key to start searching upward at an approx. 5 second interval for each code set. The **TV** key will be on and blink every 5 seconds while the device is in scan mode.  
*Note: In this search mode, the remote control will send IR codes from the library starting from the lowest code set number to the end of code set for that device, **OR***
    - b. Press the **CHANNEL DOWN** key to start searching downward at an approx. 5 second interval for each code set. The **TV** key will be on and blink every 5 seconds while in the device scan mode.  
*Note: In this mode, the remote control will send IR codes from the highest code set number to the beginning of code set for that device.*
- C. If the TV turns off, a working code has been found. Press **OK** once to lock in the code. The selected mode key will blink twice.
- D. To search for the codes of other devices, repeat the above but substitute the **AUX** key for the auxiliary device you are searching for.
- E. If all code sets of that device is exhausted in the search and the **OK** is not pressed, the selected device will fast blink 7 times and the search mode will be terminated.

# ENTONE Audio Brand Codes

## AMPLIFIER

Kenwood	5048
Pioneer	5041
RCA	5069
Yamaha	5001, 5053

## AUDIO CASSETTE

Aiwa	5039
Curtis Mathes	5041
Denon	5052
Fisher	5042, 5049
GE	5070
Kenwood	5048, 5056
NAD	5040
Nakamichi	5054
Onkyo	5055
Optimus	5041, 5047
Panasonic	5015, 5050
Philips	5013
Pioneer	5018, 5041, 5045
Proscan	5070
Quasar	5050
Radio Shack	5047
RCA	5070
Sansui	5057
Sanyo	5044
Sherwood	5047
Sony	5043
Technics	5050
Yamaha	5053

## AUDIO SYSTEM

Aiwa	5039
Carver	5051
Curtis Mathes	5041
Denon	5052
Harmon Kardon	5046
Kenwood	5048, 5056
Nakamichi	5054
Panasonic	5015, 5016
Philips	5013, 5014
Pioneer	5018, 5041
RCA & Dimensia	5031, 5032, 5033, 5034, 5035
Sansui	5057
Sanyo	5044
Scientific Atlantic	5067
Sony	5043
Technics	5050
Yamaha	5053

## DIGITAL AUDIO TAPE

Sony	5043
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## HOME THEATER

BOSE	5010
Philips	5022

## PHONO

Kenwood	5048
Pioneer	5041
Sony	5043
Yamaha	5053

## RECEIVER / AMPLIFIER

Yamaha	5001
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## RECEIVER / TUNER

Aiwa	5017, 5036, 5039
BOSE	5010
Cambridge	5011, 5028
Carver	5051
Curtis Mathes	5041
Denon	5006, 5026, 5027, 5052
Fisher	5042, 5044, 5049
Gradiente	5062
Harmon Kardon	5008, 5038, 5046
Hitachi	5059
Ibiza	5006, 5037
JBL	5038
Jensen	5061
JVC	5007, 5030
Kenwood	5005, 5028, 5048, 5056
Luxman	5064
Mcintosh	5058
NAD	5040
Nakamichi	5054
NEC	5040
Nikko	5063
Onkyo	5055
Optimus	5041, 5047
Panasonic	5009, 5012, 5016, 5029, 5050
Philips	5014
Pioneer	5004, 5023, 5041, 5045
Quasar	5050
Radio Shack	5047
RCA	5071, 5072
Sansui	5057
Sanyo	5042, 5044
Sharp	5060
Sherwood	5047
Sony	5024, 5043
Technics	5002, 5020, 5050
Yamaha	5048, 5053
Zenith	5065

## TUNER

Philips	5022
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## TV / VCR / TUNER COMBO

Panasonic	5012
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# ENTONE Cable Brand Codes

## CATV

ABC	4000, 4001, 4002, 4030
Archer	4007
Cableview	4003
Contec	4034
Eastern	4035
GE	4000
Gemini	4012, 4013
General Instruments	4000, 4032
Hamlin	4036, 4037, 4038, 4040, 4044
Hitachi	4000
Jerrold	4000, 4012, 4015, 4016, 4026, 4030, 4032
Motorola	4031
Movie Time	4039
NEC	4033
NSC	4039
Oak	4034, 4041
Panasonic	4027, 4029
Philips	4009, 4010, 4011, 4013, 4018, 4019, 4020
Pioneer	4021, 4022
Proscan	4000
RCA	4003, 4029, 4032
Samsung	4022
Scientific Atlanta	4002, 4023, 4024, 4025
Signature	4000
Sprucer	4029
Standard Component	4042, 4043
Starcom	4012, 4030
Stargate	4012
Tocom	4001, 4015
United Cable	4030
Universal	4004, 4007
View Star	4034, 4039
Zenith	4028

# ENTONE DVD Brand Codes

## DVD

Aiwa	2073
Apex	2000, 2001, 2003, 2004, 2016, 2028, 2029, 2030
Audiovox	2074
Blaupunkt	2078
BOSE	2062, 2071
Broksonic	2045
Cherry	2004, 2025, 2033
Clarion	2046
Classic	2047
Daewoo	2079, 2080
Denon	2075, 2095, 2096
Emerson	2048, 2049
Fisher	2050, 2076
Funai	2049, 2064
GE	2005, 2051, 2102
Go Video	2068, 2070
GPX	2052
Great Wall	2042, 2101
Hitachi	2065, 2067
Irradio	2092
JVC	2007, 2010, 2011, 2012, 2013
Kenwood	2097, 2100
Koss	2093
Magnavox	2020, 2035
Marantz	2085
Memorex	2087
Mintek	2053
Mitsubishi	2088, 2089, 2090, 2091
NAD	2048, 2081
Nakamichi	2054
Norcent	2055, 2056
Onkyo	2082, 2086
Oritron	2057
Panasonic	2008, 2036, 2037
Philips	2002, 2009, 2021, 2022, 2023, 2043
Pioneer	2027
Proscan	2005, 2099
Qwestar	2057
RCA	2005, 2024, 2038
Sampo	2058
Samsung	2006, 2017, 2033, 2041
Sansui	2060
Sanyo	2059, 2063
Sharp	2014, 2031
Sherwood	2061
Sony	2015, 2018, 2034, 2039
Sylvania	2049, 2072, 2077
Techwood	2083
Toshiba	2019, 2026, 2040, 2042
Yamaha	2084, 2098
Zenith	2069, 2094

## DVD / VCR COMBO

Go Video	2068, 2070
Hitachi	2067
JVC	2010
Samsung	2017
Sanyo	2063
Zenith	2069

## TV / DVD COMBO

Aiwa	2044
Apex	2016
Broksonic	2045
JVC	2011
Sansui	2060
Toshiba	2042

## TV / DVD / VCR COMBO

Samsung	2041
Sylvania	2072
Toshiba	2040

## HOME THEATER

BOSE	2071
Philips	2086

# ENTONE Satellite Brand Codes

## SATELLITE

Alphastar	3028
BSB	3003, 3005, 3013
Chaparral	3024
DirecTV	3001
Drake	3027
Echostar	3026
Express Vu	3030
Fujitsu	3022
GE	3004, 3032, 3033, 3046
General	3018, 3019
Instruments	
Hitachi	3023, 3045
Hughes	3023, 3043, 3047
Janelli	3022
JVC	3015
Mitsubishi	3002
Panasonic	3005, 3011, 3036
Philips	3000
Proscan	3032, 3033, 3038, 3044
Radio Shack	3018, 3019
RCA	3032, 3033, 3037, 3039
Realistic	3014
Samsung	3006, 3028
Sony	3007, 3040, 3042
Star Choice	3031
Star Trek	3021
STS	3020
SuperDish	3023, 3025
Toshiba	3008, 3029
Uniden	3016, 3017, 3041
Zenith	3009, 3022

## SATELLITE RECEIVER / RECORDER

Philips	3012
RCA	3010
Sony	3035
Zenith	3013

# ENTONE TV Brand Codes

## TELEVISIONS

A Mark	0134	Envision	0073, 0075, 0105, 0112
Action	0108	Fisher	0052, 0084, 0115, 023, 0124, 0133
Admiral	0071, 0093, 0099, 0118, 0127, 0130, 0131	Fujitsu	0083
Advent	0147	Funai	0082, 0083, 0106, 0108
Aiko	0079	GE	0009, 0066, 0067, 0070, 0072, 0073, 0075, 0085, 0086, 0104, 0106, 0110, 0113, 0116, 0117, 0125, 0126, 0127, 0128, 0134, 0144, 0149, 0154, 0155
Aiwa	0047	Goldstar	0073, 0074, 0075, 0078, 0080 0092, 0104, 0105, 0109, 0112, 0117, 0134, 0135, 0137
Akai	0104, 0105, 0123	Gradiente	0105, 0122, 0123
Amtron	0082	Granada	0134
Anam	0106	Grundig	0126, 0134
Anam National	0072, 0082, 0110	Hallmark	0073, 0075, 0104
AOC	0073, 0074, 0075, 0104, 0112, 0117, 0134, 0140	Harman Kardon	0104
Apex	0000, 0001, 0015, 0016	Hisense	0151
Audiovox	0082, 1080, 0140, 0144	Hitachi	0041, 0042, 0058, 0059, 0068, 0073, 0075, 0078, 0101, 0117, 0126, 0127, 0131, 0134, 0140, 0145
Bell & Howell	0071, 0084, 0118, 0131	Infinity	0087, 0153
Benq	0051	Janiel	0094
Broksonic	0037, 0038, 0104, 0106, 0118, 0138, 0146	JBL	0087, 0153
Carver	0153	JC Penney	0070, 0073, 0074, 0075, 0085, 0086, 0089, 0092, 0104, 0112, 0113, 0125, 0126, 0127, 0134, 0149, 0155
CCE	0118	Jensen	0073, 0075, 0105, 0129
Centurion	0077	JVC	0007, 0010, 0012, 0031, 0036, 0078, 0086, 0103, 0122, 0125, 0126
Citek	0143	Kawasho	0073, 0075, 0112, 0123
Citizen	0073, 0075, 0079, 0082, 0089, 0092, 0138	Kenwood	0073, 0075, 0080, 0104, 0105, 0112, 0116, 0139
Classic	0104, 0123	Kloss Novabeam	0082, 0094, 0110
Colortyme	0073, 0075, 0105, 0116, 0118, 0125, 0127, 0139	KTV	0082, 0092, 0106, 0108, 0112, 0117, 0134
Contec Cony	0106, 0108	LG	0074
Contec / Cony	0078, 0082	Lloyds	0137, 0139
Craig	0082, 0106, 0108, 0114, 0119 0125, 0138	Loewe	0087
Crosley	0118, 0153	Logik	0071, 0142
Crown	0082, 0087, 0119, 0134	Luxman	0073, 0075
CTX	0056	LXI	0070, 0075, 0084, 0087, 0104, 0118, 0127, 0149, 0153, 0155
Curtis	0104	Magnasonic	0104, 0105, 0131, 0140
Curtis Mathes	0070, 0073, 0075, 0084, 0089, 0092, 0102, 0105, 0112, 0117, 0118, 0125, 0127, 0134, 0135, 0148, 0153, 0155	Magnavox	0017, 0073, 0075, 0080, 0087, 0104, 0105, 0112, 0114, 0117, 0118, 0119, 0126, 0131, 0153
Daewoo	0073, 0074, 0075, 0079, 0092, 0104, 0110, 0112, 0117, 0134, 0135, 0140, 0144	Majestic	0071
Dalian	006, 014, 016, 136	Marantz	0073, 0075, 0087, 0105, 0112, 0116, 0117, 0118, 0153
Daytron	0073, 0075, 0092, 0114, 0117, 0134, 0140	Megatron	0075
Denon	0145	Memorex	0071, 0074, 0075, 0084, 0104
Dimensia	0070, 0155	MGA	0073, 0074, 0075, 0080, 0105
Dumont	0073, 0091	Mitsubishi	0049, 0073, 0074, 0075, 0080, 0104, 0105, 0112, 0117, 0134
Electrohome	0072, 0073, 0075, 0080, 0104, 0105, 0117, 0134		
Emerson	0073, 0075, 0078, 0081, 0082, 0083, 0084, 0092, 0096, 0103 0104, 0105, 0106, 0108, 0114, 0117, 0119, 0125, 0129, 0130, 0131, 0134, 0139, 0144, 0146		

# ENTONE TV Brand Codes Con't

Montgomery Ward	0071	Sansui	0022, 0096, 0120
Motorola	0072, 0093	Sanyo	0073, 0084, 0015, 0124
MTC	0073, 0074, 0075, 0089, 0104, 0112, 0118, 0125, 0140	Sasho	0020, 0036
Multitech	0082	Scott	0073, 0075, 0078, 0082, 0083, 0106, 0108, 0117, 0130, 0134
Multivision	0088	Sears	0070, 0073, 0075, 0080, 0083, 0084, 0095, 0104, 0106, 0115, 0118, 0124, 0127, 0133, 0134, 0149, 0153, 0155
NAD	0075, 0101	Sharp	0013, 0028, 0035, 0073, 0075
NEC	0072, 0073, 0074, 0075, 0105, 0112, 0116, 0117, 0139	Signature	0071
Nikko	0075, 0079, 0140	Signature 2000	0115, 0132
Noblex	0137	Sony	0002, 0018, 0026, 0098, 0100, 0121, 0123, 0134
Onwa	0082, 0106	Soundesign	0073, 0075, 0082, 0083, 0104, 0106, 0117, 0119, 0129
Optimus	0101	Starlite	0082
Optonica	0093	Supre-Macy	0094
Orion	0096, 0130, 0146	Sylvania	0044, 0046, 0069, 0073, 0075, 0080, 0087, 0104, 0105, 0112, 0114, 0117, 0118, 0119, 0140, 0153
Panasonic	0003, 0011, 0023, 0032, 0033, 0034, 0072, 0086, 0087, 0108, 0110, 0113, 0126, 0127, 0128, 0140	Symphonic	0081, 0082, 0095, 0108
Philco	0072, 0073, 0074, 0075, 0078, 0080, 0087, 0104, 0105, 0112, 0114, 0117, 0118, 0119, 0131, 0140, 0145, 0153	Tandy	0093, 0118
Philips	0004, 0005, 0029, 0030, 0072, 0073, 0078, 0080, 0087, 0118, 0153	Tatung	0072, 0110, 0138
Pioneer	0045, 0073, 0075, 0101, 0110, 0111, 0116, 0117	Technics	0086, 0126, 0128
Portland	0073, 0074, 0075, 0079, 0092, 0104, 0112, 0117, 0134, 0135	Techwood	0073, 0075, 0086, 0105, 0118
Price Club	0089	Teknika	0071, 0073, 0074, 0075, 0078, 0079, 0082, 0083, 0089, 0092, 0106, 0108, 0112, 0116, 0117, 0119, 0134, 0137, 0140, 0143, 0153
Prima	0135, 0142, 0152	Telecaption	0090
Prism	0086	Telefunken	0139
Proscan	0070, 0127, 0149, 0154, 0155	Toshiba	0006, 0019, 0021, 0024, 0025, 0027, 0084, 0089, 0090, 0115, 0125, 0133, 0150
Proton	0073, 0075, 0078, 0104, 0105, 0117, 0119, 0127, 0134, 0138	Totevision	0092, 0127
Quasar	0053, 0063, 0064, 0072, 0086, 0110, 0114, 0126, 0128	Ultra	0140
Radio Shack	0084, 0106, 0108, 0110, 0118, 0120, 0124, 0127, 0132, 0134, 0155	Uniden	0121
Radio Shack /	0070, 0073, 0075, 0078, 0082,	Universal	0085
Realistic	0084, 0092	Video Concepts	0106
RCA	0008, 0060, 0065, 0070, 0072, 0073, 0074, 0075, 0080, 0102, 0106, 0110, 0111, 0113, 0116, 0117, 0125, 0127, 0128, 0134, 0148, 0149, 0154, 0155	Vidikron	0118, 0153
Realistic	0084, 0155	Vistek	0040, 0048
Runco	0091	Walmart	0055, 0051, 0107
Sampo	0039, 0073, 0075, 0092, 0110, 0112, 0117	Wards	0070, 0071, 0073, 0074, 0075, 0080, 0081, 0083, 0085, 0087, 0104, 0112, 0113, 0117, 0118, 0119, 0120, 0125, 0127, 0131, 0153, 0155
Samsung	0043, 0048, 0054, 0057, 0062, 0073, 0074, 0075, 0078, 0080, 0089, 0092, 0097, 0104, 0112, 0117, 0118, 0125, 0131, 0134, 0139	White	0104, 0112, 0134, 0135, 0140,
		Westinghouse	0144
		Yamaha	0073, 0074, 0075, 0080, 0112, 0119, 0139, 0140
		Zenith	0055, 0061, 0071, 0073, 0091, 0109, 0121, 0140

# ENTONE TV Brand Codes Con't

## **PVR**

RePlay	0156
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## **TV / DVD COMBO**

Aiwa	0047
Apex	0015
Broksonic	0037
JVC	0010
Sansui	0022
Toshiba	0027

## **TV / VCR COMBO**

Broksonic	0038
GE	0067
Hitachi	0058, 0059
JVC	0031
Panasonic	0011, 0034
Philips	0029, 0030
Quasar	0063, 0064
RCA	0060, 0065
Samsung	0043, 0057
Sharp	0028, 0035
Sony	0026
Sylvania	0044
Toshiba	0024
Zenith	0061

## **TV / DVD / VCR COMBO**

Samsung	0062
Sylvania	0046
Toshiba	0025

# ENTONE VCR Brand Codes

## VCR

Admiral	1073, 1074, 1101
Aiko	1056
Aiwa	1055
Akai	1044, 1045, 1068, 1069, 1080, 1093
Audiovox	1051
Bell & Howell	1048
Broksonic	1023, 1049
Calix	1051
Canon	1053, 1054
Capehart	1067, 1083
Carver	1060, 1110
CCE	1056, 1059
Challenger	1001, 1023
Citizen	1050, 1051, 1052, 1056, 1095
Colortyme	1046, 1096
Craig	1050, 1051, 1059, 1085, 1090, 1105
Curtis Mathes	1043, 1046, 1050, 1053, 1054, 1077, 1079, 1112
Daewoo	1014, 1052, 1055, 1056, 1067, 1083, 1102
Daytron	1067, 1083, 1102
Denon	1088
Dimensia	1043, 1112
Dixon	1013, 1021, 1036, 1103
Electrohome	1051, 1090
Emerson	1044, 1049, 1051, 1052, 1053, 1055, 1061, 1069, 1087, 1090, 1106
Fisher	1048, 1089, 1105
Fuji	1045, 1053
Funai	1055, 1095
Garrard	1055
GE	1040, 1043, 1050, 1053, 1054, 1070, 1079, 1112
Go Video	1021, 1024, 1026, 1028, 1079, 1081, 1085, 1086
Goldstar	1046, 1051, 1079, 1090, 1092
Gradiente	1055, 1090
Harmon Kardon	1046, 1110
Harwood	1059
Hitachi	1025, 1036, 1037, 1057, 1058, 1065, 1068, 1070, 1088
JBL	1098
JC Penney	1046, 1047, 1048, 1049, 1050, 1051, 1053, 1054, 1057, 1058, 1059, 1060, 1065, 1079, 1085, 1088, 1090
Jensen	1057, 1058, 1068
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Kenwood	1046, 1047, 1048, 1068, 1071, 1077
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Kodak	1051, 1053
LG	1051
Lloyds	1077, 1095, 1105
Logik	1059, 1085
LXI	1051
Magnasonic	1085, 1090, 1102
Magnavox	1008, 1053, 1054, 1060, 1064, 1085, 1110
Marantz	1046, 1047, 1048, 1053, 1060, 1077, 1092, 1110
Matsushita	1053
Memorex	1033, 1048, 1050, 1051, 1053, 1055, 1064, 1073, 1074, 1088, 1090, 1091, 1097, 1105
MGA	1061, 1069
MGN	1079
Minolta	1057, 1058, 1065, 1088
Mitsubishi	1003, 1005, 1006, 1057, 1058, 1061, 1069, 1071, 1090
Montgomery Ward	1073, 1074
Motorola	1053, 1073, 1074
MTC	1050, 1085
Multitech	1050, 1055, 1059
NEC	1046, 1047, 1048, 1068, 1071, 1077, 1092
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Noblex	1050
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Optimus	1051, 1073, 1074, 1090, 1094
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Orion	1087, 1090, 1106
Panasonic	1002, 1004, 1009, 1020, 1053, 1054, 1066, 1085, 1105
Pentax	1057, 1058, 1065, 1070, 1077, 1088
Philco	1053, 1054, 1060, 1088, 1106
Philips	1017, 1018, 1053, 1060, 1062, 1110
Pioneer	1047, 1057, 1071, 1075, 1078, 1104
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Quasar	1053, 1054
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Realistic	1055, 1062, 1073
Radix	1051
RCA	1012, 1016, 1043, 1044, 1050, 1053, 1057, 1058, 1065, 1070, 1078, 1079, 1088, 1107, 1108, 1112
Realistic	1048, 1050, 1051, 1052, 1053, 1054, 1055, 1062, 1073, 1074, 1079, 1090, 1094, 1097, 1105
Ricoh	1072, 1076

# ENTONE VCR Brand Codes Con't

Runco	1064
Samsung	1029, 1031, 1035, 1039, 1050, 1052, 1079, 1095
Sansui	1047, 1068, 1071, 1085
Sanyo	1022, 1048, 1050, 1089, 1097 1105
Scott	1049, 1052, 1061, 1090
Sears	1048, 1051, 1053, 1057, 1058, 1065, 1077, 1088, 1089, 1090 1097, 1105
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Shintom	1045, 1058, 1059, 1085
Signature	1073, 1074
Signature 2000	1097, 1101
Singer	1053, 1059, 1072, 1076, 1085
Sony	1007, 1045, 1063, 1080, 1082, 084, 1098, 1099 1053, 1065
STS	1053, 1065
Sylvania	1030, 1032, 1053, 1054, 1055, 1060, 1061, 1110
Symphonic	1055, 1077, 1095, 1105
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Tatung	1068
Teac	1055, 1068, 1107
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Unitec	1095
Unitech	1050
Vector Research	1046, 1047, 1052, 1077
Video Concepts	1046, 1047, 1052, 1069, 1077
Wards	1050, 1051, 1052, 1053, 1055, 1057, 1058, 1059, 1062, 1065, 1073, 1074, 1079, 1090, 1091, 1094, 1105, 1108, 1110 1095
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XR-1000	1053, 1055, 1059
Yamaha	1046, 1047, 1048, 1068, 1077
Zenith	1027, 1038, 1045, 1064, 1072, 1076, 1093

Precision	1102
Quasar	1090
RCA	1012, 1016
Realistic	1105
Samsung	1029, 1035
Sharp	1015
Sony	1007
Sylvania	1030
Toshiba	1010
Zenith	1038, 1090

## DVD / VCR COMBO

Go Video	1026, 1028
Hitachi	1025
JVC	1000
Samsung	1031
Sanyo	1022
Zenith	1027

## TV / DVD / VCR COMBO

Samsung	1039
Sylvania	1032
Toshiba	1011

## DVR

Philips	1042
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## PVR

Tivo	1111
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## TV / VCR COMBO

Action	1102
Broksonic	1023, 1106
Daewoo	1014
Emerson	1106
GE	1040, 1081, 1087
Goldstar	1090
Hitachi	1036, 1037
JVC	1019
Panasonic	1002, 1020, 1090
Philips	1018

# ENTONE Device Codes

DEVICE	NO. OF CODES
TV	155
VCR	111
DVD	101
Cable	42
Satellite	47
Audio	66
<b>Total</b>	<b>514</b>



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