



DEVICE CODE LISTING

Following is a list of device codes to be used when programming the **Innotech Systems** IC8001, SP8001 and SpitFIRE II remote control components. Note that the first codes listed for an entertainment device brand are the latest models. You may have to try some or all of the codes for each brand before you find the proper code for your product.

Set-Up Procedure

1. <input type="text" value="SOURCE"/>	Send the SOURCE command or press the device button. The LED will flash once.
2. <input type="text" value="PROG"/>	Send the PROGRAM command or press the <input type="text" value="PROG"/> button. The LED will flash twice.
3. <input type="text" value="1"/> → <input type="text" value="2"/> → <input type="text" value="3"/>	Type in the 3-digit code for your TV, VCR, etc. The LED will flash for each digit pressed.
4. <input type="text" value="PROG"/>	After you have entered the correct code, send the SOURCE command or press <input type="text" value="PROG"/> . The LED will flash three times.
5. <input type="text" value="TV/CD"/> , <input type="text" value="CBL/SAT"/> , <input type="text" value="VCR/DVD"/> , or <input type="text" value="Audio/Aux"/>	Repeat steps one through four for each device selected.

TV Device Codes

TV Manufacturer	TV Device Code
Admiral	142, 133, 020, 025, 049, 078
Adventura	013
Aiko	048
Aiwa	338

TV Manufacturer	TV Device Code
Akai	139, 071, 016, 014, 038
Alleron	162, 025, 049
Amark	263
Anam	049, 047
Anam National	154, 138, 049, 038
AOC	263, 163, 146, 141, 139, 135, 015, 014, 001
Archer	263
Audiovox	263, 049
Belcor	014, 015, 001
Bell and Howell	078, 049, 025, 018
Bradford	049
Brooksonic	338, 263, 049, 010
Brokwood	015, 014, 001
Candle	139, 014, 013, 023
Capehart	135
Carnivale	014
Carver	164, 128, 021
CCE	168
Celebrity	038
Centurion	001
Cetronic	049
Citizen	171, 139, 132, 014, 046, 013, 048, 023, 049, 015, 001
Clairtone	163
Classic	049
Colortyme	014, 015, 001
Concerto	139, 001, 014, 015
Contec / Cony	049, 163
Coronado	130, 132
Craig	049, 154
Crown	132, 049
CTX	111
Curtis Mathes	132, 014, 046, 133, 128, 018, 001, 015
CXC	049

TV Manufacturer	TV Device Code
Daewoo	309, 308, 306, 132, 015, 048, 067, 049, 001, 014
Daytron	139, 132, 048, 001, 014, 015
Dumont	015, 079
Dynasty	049
Dynatech	013
Electroband	038, 163
Electrohome	015, 014, 001, 038
Emerson	338, 307, 171, 172, 160, 162, 163, 132, 131, 049, 025, 024, 014, 015, 010, 001
Envision	014
Fisher	018, 153
Fortress	142
Fujitsu	025
Funai	331, 049, 025
Futuretech	049
GE	179, 172, 159, 133, 137, 134, 138, 038, 011, 012, 001
GE Combo	179
Gibraltar	079, 014, 015
Goldstar	132, 139, 122, 083, 001, 014, 015
Goldstar TV/VCR Combo	029
Griswold	069, 169
Grundy	049
Grunpy	049, 025
Hallmark	001, 015, 025, 010, 014
Havard	001, 049, 025, 010
Hitachi	358, 176, 158, 150, 132, 131, 139, 054, 008, 001, 014, 015, 016
IMA	049
Infinity	128
Inteq	079
Janeil	013
JBL	128

TV Manufacturer	TV Device Code
J.C. Penney	263, 145, 148, 134, 133, 132, 124, 081, 015, 014, 046, 011, 001, 012
JCB	038
Jensen	014, 015, 001
JVC	359, 273, 157, 136, 134
Kawasho	001, 014, 015, 038
Kaypani	135
KEC	049, 046
Kenwood	014, 015, 001
Kloss	013, 014, 126
Kloss Novabeam	126, 013
KMC	083
KTV	171, 168, 163, 162, 132, 049, 014
Linatech	069, 169
Lodgenet	079
Loewe	128
Logik	078, 049, 010
Luxman	139, 001, 014, 015
LXI	225, 133, 128, 081, 019, 018, 001, 014, 015
LXI Combo	205
Magnatron	111
Magnavox	164, 143, 128, 125, 126, 127, 023, 001, 014, 015
Majestic	078, 079
Marantz	128, 164, 143, 001, 014, 015
Megatron	263, 001, 016, 014, 015
MEI	134, 163
Memorex	337, 139, 149, 083, 078, 018, 014, 015, 001
MGA	177, 151, 149, 014, 015, 001
Midland	145, 134, 133, 079
Minutz	011
Mitsubishi	151, 152, 149, 142, 015, 001, 071, 038, 002, 014
Montgomery Ward	164, 159, 143, 137, 128, 127, 125, 078, 014, 015, 020, 001, 011, 012

TV Manufacturer	TV Device Code
Motorola	149, 142, 134, 138, 128, 038
MTC	139, 067, 163, 015, 014, 046, 001
Multitech	168, 049
NAD	081, 060, 001, 014, 015
NEC	139, 001, 038, 014, 015, 021
Nikei	049
Nikko	048, 001, 014, 015
NTC	048
Onking	049
Onwa	049
Optimus	049, 149, 025, 020, 018, 060
Optimus TV/VCR	029, 018, 132, 020, 049, 130
Optonica	142, 020
Orion	049, 025, 010, 079
Panasonic	262, 259, 209, 210, 211, 212, 207, 208, 206, 176, 134, 138, 155, 128, 038
Philco	164, 128, 125, 126, 127, 023, 015, 014
Philiph CDR	164, 125, 127
Philips	164, 143, 128, 125, 127, 038, 001, 012, 014, 015
Philips TV/VCR Combo	195
Pilot	014, 015, 001
Pioneer	131, 060, 001, 014, 015
Portland	132, 015, 048, 014, 001
Prism	134, 138
Proscan	332, 159, 169, 133, 145, 137, 131, 124, 015
Proton	263, 129, 132, 001, 135, 014, 015
Pulsar	079, 015, 048, 001, 014, 015
Quasar	262, 259, 209, 210, 211, 212, 176, 207, 208, 206, 134, 138, 038
Radio Shack	139, 133, 132, 130, 020, 049, 001, 014, 015, 018
Radio Shack TV/VCR Combo	029

TV Manufacturer	TV Device Code
RCA	324, 326, 159, 169, 133, 145, 142, 137, 131, 015, 124, 001, 014, 038
Realistic	139, 018, 001, 049, 014, 015, 020
Realistic TV/VCR Combo	029
Rhapsody	162, 163
Runco	014, 079
Sampo	014, 135, 144, 015, 001
Samsung	330, 132, 130, 139, 046, 015, 014, 001
Samsung Combo	330, 050
Sanyo	153, 147, 018, 014, 015
Scimitsu	015
Scotch	001, 014, 015
Scott	049, 025, 132, 010, 001, 015, 014
Sears	128, 018, 147, 133, 139, 019, 148, 081, 153, 156, 001, 025, 225, 014, 015
Sharp	142, 132, 020, 017, 014, 015, 001
Shogun	015, 001, 014
Signature 2000	015, 133, 128, 078
Simpson	014, 164, 023
Sonic	163
Sony	373, 170, 038, 141, 123, 039, 098
Soundesign	049, 001, 023, 025, 015, 014
Spectracon	146, 263, 139, 049, 014, 015
SSS	015, 049, 010, 001, 014
Starlite	049, 015, 010
Supre-Macy	013, 023
Supreme	038
Sylvania	360, 164, 143, 140, 128, 127, 126, 125, 023, 014, 015, 001
Symphonic	615, 616, 603, 331, 049, 025
Tandy	213, 142, 133, 128, 020
Tatung	138, 263, 134, 038
Technics	134, 138
Technol ACE	025
Techwood	139, 263, 134, 001, 014, 015

TV Manufacturer	TV Device Code
Teknika	139, 132, 046, 078, 015, 013, 048, 149, 025, 049, 023, 128, 013, 014, 001
Tera	129, 015, 014, 001
Thomson	166, 167
TMK	139, 001, 010, 014, 015
Toshiba	357, 148, 081, 018, 046
Tosonic	163
Totevision	132
Universal	133, 011, 012
Vector Research	136, 014
Victor	136
Video Concepts	071
Vidtech	014, 015, 001
Video Tech	014, 015, 001
Vidikron	128
Viking	013
Montgomery Ward	143, 137, 125, 127, 128, 078, 015, 014, 020, 159, 001, 164, 011, 012
Wards	137, 143, 125, 179, 128, 141, 139, 025, 001, 014, 015, 078, 020, 018, 011, 012
Yamaha	015, 014, 001
York	001
Yupiteru	049
Zenith	369, 371, 372, 263, 079, 078, 048, 001, 014, 015
Zenith Combo	029
Zonda	263, 029

VCR Device Codes

VCR Manufacturer	VCR Device Code
Admiral	258, 189, 191, 080, 178, 179
Adventura	187
Aiko	199
Aiwa	343, 341, 333, 315, 316, 226, 204, 187
Akai	342, 204, 072, 052, 051, 022, 073
Allegro	080
American High	176, 185, 218
Asha	050
Audio Dynamics	192, 174, 182
Audiovox	029, 027
Beaumark	050
Bell and Howell	258, 080, 055, 034
Brooksonic	340, 338, 191, 189, 026, 057
Calix	029
Candle	029, 027, 174
Canon	176, 187, 059, 218
Capehart	175, 080
Carver	185
CCE	199
Citizen	187, 199, 176, 174, 050, 029, 026
Colortyme	174
Colt	030
Consonic	111
Craig	050, 035, 061, 029, 030
Curtis Mathes	218, 204, 192, 176, 179, 174, 072, 050
Cybernex	269, 050
Daewoo	308, 199, 175, 002, 034
Daytron	175
DBX	192, 174, 182
Dynatech	204, 187
Electrohome	177, 050, 029

VCR Manufacturer	VCR Device Code
Electroponic	029
Emerex	040
Emerson	340, 338, 307, 278, 266, 218, 204, 199, 191, 189, 187, 183, 177, 073, 053, 057, 032, 029, 026, 009
Fisher	185, 174, 055, 035, 034, 031, 028
Fuji	218, 176, 040, 041, 042
Funai	204, 187, 199, 050, 030
Garrard	187
GE	368, 317, 318, 320, 321, 322, 258, 218, 192, 176, 179, 181, 050
Go Video	197, 200, 050
Goldstar	199, 174, 029, 027
Gradiente	187
Harlry Davidson	187
Harman Kardon	265, 027, 174
Harwood	030, 183
Havard	030
Headquarter	034
Hi-Q	035
Hitachi	358, 204, 201, 187, 181, 176, 075, 069, 072, 037, 036
Instant Replay	218, 204, 176
Inteq	029
J.C. Penney	218, 182, 176, 174, 072, 050, 036, 027, 033, 029, 034
JCL	176, 218
Jensen	072, 084, 182
JVC	334, 359, 182, 193, 194, 174, 084, 072, 034
KEC	199, 029
Kenwood	182, 174, 034, 072, 027, 084
KLH	030
Kodak	218, 176, 029
Lloyd	204, 027, 030, 032
Logik	030
LXI	029

VCR Manufacturer	VCR Device Code
LXI Combo	205
Magnasonic	199, 192, 050, 029, 030
Magnavox	218, 176, 185, 188, 190, 022, 080
Magnin	050
Marantz	218, 185, 182, 176, 174, 034, 027
Marta	029
Masushita	218, 176, 185
MEI	176, 218
Memorex	341, 258, 218, 204, 187, 176, 178, 029, 080, 055, 050, 035, 034, 034
MGA	177, 176, 073
MGN Technology	050
Minolta	069, 036, 072
Mitsubishi	265, 266, 258, 182, 176, 177, 073, 084
Montgomery Ward	176, 178, 204, 036, 035, 030
Motorola	258, 176, 218
MTC	204, 050, 187
Multitech	204, 187, 050, 030
NAD	058, 055
NEC	267, 182, 174, 084, 074, 072, 055, 027, 033, 034
Nikko	029
Nikon	042
Noblex	050
Olympus	176, 218
Optimus	258, 029, 055
Optonica	178
Optimus TV/VCR Combo	262, 178, 204, 176, 055, 050, 029, 034, 035, 028
Optonica	178, 180
Orion	340, 266, 187, 183, 199, 191, 189, 177, 057, 053, 073, 026, 029
Panasonic	374, 367, 268, 262, 218, 209, 210, 211, 212, 206, 207, 208, 187, 184, 176
Pentax	069, 036, 181, 072

VCR Manufacturer	VCR Device Code
Pentex Research	174
Philco	176, 185, 218
Philips	218, 185, 188, 178, 176, 108
Philips TV/VCR Combo	195
Pilot	029
Pioneer	182, 084, 072, 058
Portland	175
Proscan	179, 192
Protec	030
Pulsar	080
Quarter	034
Quartz	034
Quasar	262, 209, 212, 207, 176, 187, 186
Radioshack	258, 218, 204, 187, 178, 176, 050, 034, 029
Radio Shack TV/VCR Combo	029
Radix	029
Randex	029
RCA	317, 318, 320, 322, 323, 324, 218, 206, 190, 192, 179, 181, 184, 176, 036, 069, 052, 072, 050
Realistic	204, 180, 178, 176, 055, 050, 034, 035, 028, 034, 035, 029, 028
Realistic TV/VCR Combo	178, 176, 204, 050, 034, 035, 029
Ricoh	042, 176
Runco	080
Salora	265
Samsung	330, 269, 072, 051, 050, 002
Samsung TV/VCR Combo	050, 330
Sanky	258, 080
Sansui	182, 072, 061, 074, 026, 057, 030, 084
Sanyo	034, 035, 055, 050, 031
Scott	266, 191, 177, 189, 009, 002

VCR Manufacturer	VCR Device Code
Sears	270, 218, 176, 187, 185, 035, 034, 031, 029, 036, 028, 055, 069, 072, 034
Sharp	258, 204, 178, 180
Shintom	030, 187, 050, 072
Shogun	050, 269
Signature 2000	204
Singer	050, 029, 030, 218
Sony	375, 377, 379, 176, 173, 041, 042, 040, 043, 038
STS	218, 036, 072
Sylvania	204, 218, 176, 177, 187, 185
Symphonic	204, 331, 187
Tandy	204, 034
Tashiko	026, 029
Tatung	187, 182, 072
Teac	204, 187, 072
Technics	176, 218
Teknika	218, 204, 187, 176, 056, 029
TMK	053, 050, 053, 032
Toshiba	266, 185, 179, 177, 072, 028, 009, 002
Totevision	050, 029
Unitech	050
Vector Research	174, 182, 033, 027
Victor	182, 084, 002
Video Concepts	174, 182, 033, 073, 002
Videosonic	050, 187, 030
M. Ward	266, 258, 204, 218, 190, 187, 179, 192, 180, 176, 178, 204, 072, 050, 036, 035, 030, 029, 009
White Westinghouse	204
XR-1000	218, 187, 176, 050, 030
Yamaha	174, 182, 027, 034, 072
Zenith	182, 080, 042, 041, 029
Zenith TV/VCR Combo	080, 042, 041, 029

Cable Box Device Codes

Box Manufacturer	Cable Box Device Code
ABC	096, 093, 091, 088, 082, 087, 094, 089
Allegro	250, 241, 076, 111, 044
Antronix	241, 227
Archer	227, 271, 241, 111
Cabletenna	227
Cableview	227
Century	111
Citizen	111, 250
Comcast	325, 329
Comtronics	106, 045
Comtronics Eagle	089, 045
Eagle Comtronics	045
Eastern	086
Electricord	004
Everquest	095, 045
Garrard	111
GC Electronics	063
GE	296, 297
Gemini	064, 068, 095, 116
General Instrument	350, 362, 325, 329, 305, 272, 249, 251, 100, 101, 104, 108, 087, 091, 094, 095
Goldstar	045, 005
Hamilton	346, 347, 348
Hamlin	311, 312, 118, 119, 103, 085, 090
Hitachi	091
Hitex	088
Jasco	111, 250
Jerrold	350, 362, 325, 329, 305, 272, 249, 251, 100, 101, 104, 108, 087, 091, 094, 095
Kingston	111
Macom	003

Box Manufacturer	Cable Box Device Code
Memorex	076
Motorola Digital	325, 329 (with volume)
Movie Time	088, 004, 112, 113
Novavision	089, 096
NSC	088, 112, 113, 004
Oak	088, 097, 007
Omega	095
Panasonic	313, 109, 099, 076
Paragon	076
Philips	300, 252, 253, 238, 239, 106, 102, 111, 116
Pioneer	344, 070, 062, 005
Pulsar	076
RCA	099
Regal	346, 347, 348, 120, 118, 119, 085
Regency	086
Rembrandt	068, 111, 091
Runco	076
Samsung	045, 005
Scientific Atlanta	314, 120, 089, 096
Signal	045, 095
Signature	091
SL Marx	045
Sprucer	099, 121
Standard Compnt	065, 107
Starcom	104, 108, 095, 087
Stargate	045, 095
Starquest	095
Sylvania	082
Tandy	117
Teknika	006
Telecaption	115
Televue	045
Texscan	082, 107
Time Warner	120**
Tocom	310, 093, 092, 105

Box Manufacturer	Cable Box Device Code
Toshiba	076
Tusa	095
Unika	227, 241, 111
United Artists	088
United Cable	087
Universal	241, 227, 271, 111, 066, 044, 004
U.S. West	753
Video Way	236
Videostar	114, 117, 106
View Master	864
Viewstar	106, 117, 110, 114
Yamaha	971
West	111
Zenith	976, 237, 076, 077

DVD Player Device Codes

DVD Manufacturer	DVD Device Code
JVC	354
Mitsubishi	356
Panasonic	335
Pioneer	355
Proscan	339
RCA	339
Sony	351
Toshiba	336

DSS & Satellite Receiver Device Codes

DSS Manufacturer	DSS Device Code
DishNet	376**
General Instrument	362
Hitachi	352
Hughes	363
Mitsubishi	363
Primestar	362, 322
RCA*	365, 364, 320, 327
Sony	321, 328**

* Note: For RCA DirectTV, turns on receiver, turns off receiver.

** see following tables for additional scan codes.

Working with DSS On-Screen Menus

Remote Key Name	Screen Menu Function
REC	Menu
Pause	Select
Play	Menu +
Stop	Menu -
Rew	Menu L
FF	Menu R

**Working with Time Warner Cable Box
(Code 120)**

Scancode	Remote Key Name
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	Fav
11	Mute
12	Vol up
13	Vol dn
14	Ch up
15	Ch dn
22	Power
23	Last
28	Settings
30	A
31	B
32	C
40	Up
41	Down
42	Left
43	Right
48	Page+
49	Page-
53	Select
58	Guide
59	Info
60	Exit

**Working with Dish Network Receiver
(Code 376)**

Scancode	Remote Key Name
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	VIEW
11	SELECT
12	RIGHT
13	LEFT
14	UP
15	DOWN
16	BACK(REW)
17	PLAY
18	FWD(FF)
19	REC
20	STOP
21	PAUSE
22	POWER
23	RECALL
24	TV/VIDEO
25	MENU
26	GUIDE
27	INFO
28	CANCEL
29	SKIP_BACK_10_SEC
30	SKIP_FWD_30_SEC
31	*
32	#
33	PAGE_UP
34	PAGE_DOWN
35	PVR
36	SAT

**Working with Sony DSS Receiver
(Code 328)**

Scancode	DSS Function	SpitFIRE Function
0 – 9	0 – 9	0 – 9
10	Enter	Enter
14 – 15	Ch - Ch+	Ch - Ch+
16	Left	Rew
17	Up	Play
18	Right	FF
19	Exit	Rec
21	Down	Pause
22	Power	Power
23	Recall	Recall
24	Tv/Dss	Toggle
25	Display	Display
28	Menu	Mode
30	Guide	Sel1
31	Select *	Sel2
32	Favorite	Sel3
33	Index	Sel4
34	Category	Sel5