



Universal Remote Control Programming Instructions



- A - SETUP:** Used to enter programming mode
- B - POWER:** Press to turn device on or off
- C - TV:** Press to control television
- D - STB (Set Top Box):** Press to control digital converter box
- E - AUX (Auxiliary)** Press to control optional devices (AUDIO, CD, DVD, PVR, VCR)
- F - TV/STB -** Toggles between TV/STB mode



- G – NUMBER KEYS –** Used to enter 5 digit code for your device

For future reference, write down each working device code in the space provided below:

TV Code: _____

AUX Code: _____

AUX Device Type: _____

TO PROGRAM YOUR REMOTE

1. PRESS the button for the device you want to program (TV or AUX) then RELEASE; it will blink once.
 2. PRESS and HOLD the **SETUP** button until the selected device button flashes twice, then RELEASE the **SETUP** button.
 3. ENTER the 5 digit code for your device found in the table below.
 4. You should receive 2 quick flashes on the LED for the selected device after entering your code.
 5. Aim the remote control at the device and PRESS the **POWER** button to test the code. The device should turn on or off. (If it does not, repeat steps 1 through 4, trying each code for your brand until you find one that works.)
- NOTE:** If the device does not have a **POWER** key, press the **PLAY** button.

Audio - Accessory

Apple	31115, 31644
NaviPod	31644

Audio - Amplifier

GE	30078
JVC	30331
Soundesign	30078
Victor	30331
Wards	30078
Yamaha	30354

Audio - Receiver

ADC	30531
Aiwa	30158, 30189, 30405
Bose	31229, 31933
Capetronic	30531
Carver	30189
Denon	31360, 31104
Harman/Kardon	30110, 30189
Integra	30135
JBL	30110
JVC	30074
Kenwood	31313, 31570, 30027, 31027
Linn	30189
Magnavox	30189, 30531
Marantz	30189
Onkyo	30135, 30842
Optimus	31023, 30531
Panasonic	31308, 31518
Philips	30189, 31266
Pioneer	31023, 30014, 30531, 31384
Polk Audio	30189
Proscan	31254
RCA	31023, 31254, 30531
Sansui	30189
Sony	31759, 30158, 31758
Stereophonics	31023
Sunfire	31313
Technics	31308, 31518
Victor	30074

Wards	30158, 30189, 30014
Yamaha	30176, 31176

Cable - Set Top Box

ABC	00003, 00008
Americast	00899
Bell South	00899
Comcast	01982
Digeo	01187
Director	00476
General Instrument	00476, 00810, 00276, 00003
GoldStar	00144
Hamlin	00009, 00273
Jerrold	00476, 00810, 00276, 00003
Memorex	00000
Motorola	01376, 00476, 00810, 00276, 01187, 01254
Pace	01877, 00237, 00008
Panasonic	00000, 00107, 01982
Paragon	00000
Philips	01305, 00317
Pioneer	01877, 00877, 00144, 00533
Pulsar	00000
Quasar	00000
Regal	00279, 00273
Runco	00000
Samsung	00144
Scientific Atlanta	01877, 00877, 00477, 00008
Sony	01006
Starcom	00003
Supercable	00276
Torx	00003
Toshiba	00000
Zenith	00000, 00525, 00899

Cable - Set Top Box - Cable/PVR Combination

Americast	00899
Comcast	01982
Digeo	01187
General Instrument	00810
Jerrold	00810
Motorola	01376, 00810, 01187
Pace	01877, 00237
Panasonic	01982
Pioneer	01877, 00877
Scientific Atlanta	01877, 00877
Sony	01006
Supercable	00276
Zenith	00899

Satellite - Set Top Box

Chaparral	00216
Crossdigital	01109
DiracTV	01377, 00392, 00566, 00639, 01639, 01142, 00247, 00749, 01749, 00819, 01856, 01076, 01108, 01109, 01392, 01442, 01609, 01640

Dish Network System	01505, 01005, 00775, 01170, 01775
Dishpro	01505, 01005, 00775, 01775
Echostar	01505, 01005, 00775, 01170, 01775
Expressvu	00775, 01775
GE	00566
General Instrument	00869
GOI	00775, 01775
Hitachi	00819, 01250
HTS	00775, 01775
Hughes Network Systems	01142, 00749, 01749, 01442
JVC	00775, 01170, 01775
Magnavox	00722
Mitsubishi	00749
Motorola	00869
Next Level	00869
Panasonic	00247, 00701
Philips	01142, 00749, 01749, 01076, 00722, 01442
Proscan	00392, 00566
RadioShack	00869
RCA	00566, 00855, 00143, 01392
Samsung	01377, 01276, 01108, 01109, 01442, 01609
Sony	00639, 01639, 01640
Star Choice	00869
Tivo	01142, 01442
Toshiba	00749, 01749, 00790, 01285
UltimateTV	01392, 01640
Uniden	00722
Voom	00869
Zenith	01856

Satellite - Set Top Box - Satellite DBS/PVR Combination

DirecTV	01377, 00392, 00639, 01142, 01076, 01392, 01442, 01640
Dish Network System	01505, 00775
Dishpro	01505, 00775
Echostar	01505, 00775, 01170
Expressvu	00775
Hughes Network Systems	01142, 01442
JVC	01170
Motorola	00869
Philips	01142, 01442
Proscan	00392
RCA	01392
Samsung	01442
Sony	00639, 01640
Star Choice	00869

Television

Admiral	10093, 10463
Advent	10761, 10783, 10815, 10817, 10842, 11933
Aiko	10092
Akai	10812, 10702, 10030, 10672, 11903
Albatron	10700, 10843

America Action	10180
Anam	10180
AnamNational	10055
AOC	10030
Apex Digital	10748, 10879, 10765, 10767, 10890
Audiovox	10451, 10180, 10092, 10623, 10802, 10875
Aventura	10171
Bell & Howell	10154
BenQ	11032
Bradford	10180
Broksonic	10236, 10463
Candle	10030
Carnivale	10030
Carver	10054
Celebrity	10000
Celera	10765
Changhong	10765
Citizen	10060, 10030, 10092
Clarion	10180
Commercial Solutions	11447, 10047
Contec	10180
Craig	10180
Crosley	10054
Crown	10180
Curtis Mathes	10047, 10054, 10154, 10451, 10093, 10060, 10702, 10030, 10145, 10166, 10466, 11147, 11347
CXC	10180
Daewoo	10451, 10092, 11661, 10623, 10661, 10672
Dell	11080, 11178
Denon	10145
Denstar	10628
Dumont	10017
Durabrand	10463, 10180, 10178, 10171, 11034
Electroband	10000
Electrograph	11755
Electrohome	10463
Emerson	10154, 10236, 10463, 10180, 10178, 10171, 10623, 11963
Envision	10030, 10813
ESA	10812, 10171, 11963
Fisher	10154, 10159
Fujitsu	10683, 10809, 10853
Funai	10180, 10171, 11271, 11963
Futuretech	10180
Gateway	11755, 11756
GE	11447, 10047, 10051, 10451, 10178, 10055, 11347
Gibraltar	10017, 10030
Go Video	10886
GoldStar	10178, 10030
Grunpy	10180
Haier	11034, 10768
Hallmark	10178
Harman/Kardon	10054
Harvard	10180
Havermy	10093
Helios	10865
Hello Kitty	10451

Hewlett Packard	11494, 11502
Hisense	10748
Hitachi	11145, 10145, 10151, 11960
HP	11494, 11502
Hyundai	10849
iLo	11990
Infinity	10054
Initial	11990
Insignia	10171, 11204, 11963, 12002
Inteq	10017
JBL	10054
JCB	10000
Jensen	10761, 10815, 10817, 11933
JVC	10053, 10731, 11253
KEC	10180
Kenwood	10030
KLH	10765, 10767
Konka	10628, 10707
Kost	11262
KTV	10180, 10030
LG	11265, 10178, 10700, 10856, 11178, 11758, 11993
Loewe	10136
LXI	10047, 10054, 10154, 10156, 10178
Magnavox	11454, 10054, 10030, 10706, 10187, 10386, 10802, 11198, 11254, 11963, 11990
Marantz	10054, 10030, 10704, 10855
Matsushita	10250, 10650
Maxent	11755
Megapower	10700
Megatron	10178, 10145
Memorex	10154, 10463, 10150, 10178
MGA	10150, 10178, 10030
Midland	10047, 10017, 10051
Mintek	11990
Mitsubishi	10093, 11250, 10150, 10178, 10836
Monivision	10700, 10843
Motorola	10093, 10055
MTC	10060, 10030
Multitech	10180
NAD	10156, 10178, 10866
NEC	10030, 11704
NetTV	11755
Nikko	10178, 10030, 10092
Norcent	10748, 10824
NTC	10092
Olevia	11144, 11240, 11331
Onwa	10180
Optimus	10154, 10250, 10166, 10650
Optoma	10887
Optonica	10093, 10165
Orion	10236, 10463, 11463
Panasonic	10250, 10051, 10055, 10650, 11291, 11941
Penney	10047, 10156, 10051, 10060, 10178, 10030, 11347
Petters	11523
Philco	10054, 10030
Philips	11454, 10054, 10690
Pilot	10030

Pioneer	10166, 10679, 10866
Polaroid	10765, 10865, 11262, 11276, 11314, 11341, 11523, 11991
Portland	10092
Prima	10761, 10783, 10815, 10817, 11933
Princeton	10700, 10717
Prism	10051
Proscan	11447, 10047, 11347
Proton	10178, 10466
Pulsar	10017
Quasar	10250, 10051, 10055, 10165, 10650
RadioShack	10047, 10154, 10180, 10178, 10030, 10165
RCA	11447, 10047, 10090, 10679, 11047, 11147, 11247, 11347, 11547, 11958, 12002
Realistic	10154, 10180, 10178, 10030, 10165
Runco	10017, 10030
Sampo	10030, 11755
Samsung	10060, 10812, 10702, 10178, 10030, 10766, 10814, 11060, 11903
Sansui	10463
Sanyo	10154, 10088, 10159
Scotch	10178
Scott	10236, 10180, 10178
Sears	10047, 10054, 10154, 10156, 10178, 10171, 10159
Sharp	10093, 10165, 10386, 11602
Sheng Chia	10093
Signet	11262
Simpson	10187
Sony	11100, 10000, 11317
Soundesign	10180, 10178
Squareview	10171
SSS	10180
Starlite	10180
Studio	10843
Experience	
Superscan	10093, 10864
Supreme	10000
SVA	10748, 10587, 10768, 10865, 10870, 10871, 10872
Sylvania	10054, 10030, 10171, 11271, 11314, 11963
Symphonic	10180, 10171
Syntax	11144, 11240, 11331
Tandy	10093
Tatung	10055, 11756
Technics	10250, 10051
Techview	10847
Techwood	10051
Teknika	10054, 10180, 10150, 10060, 10092
Telefunken	10702
TMK	10178
TNCi	10017
Toshiba	10154, 11256, 10156, 11265, 10060, 10650, 10845, 11156, 11356, 11656, 11704
TVS	10463
Vector Research	10030
Victor	10053
Vidikron	10054
Vidtech	10178

Viewsonic	10857, 10864, 10885, 11330, 11578, 11755
Vizio	10864, 10885, 11756, 11758
Wards	10054, 10178, 10030, 10165, 10866, 11156
Waycon	10156
Westinghouse	10885, 10889, 10890, 11282, 11577
White	10463, 10623
Westinghouse	
Yamaha	10030
Zenith	10017, 10463, 11265, 10178, 10092

Television - DLP

Hewlett Packard	11494
HP	11494
LG	11265
Mitsubishi	11250
Optoma	10887
Panasonic	11291
RCA	11447
Samsung	10812, 11060
SVA	10872
Toshiba	11265

Television - HDTV

Advent	10842
Hitachi	11960
Mitsubishi	10150
Panasonic	10250, 10650, 11291
Pioneer	10679
Princeton	10717
RCA	11447
Samsung	10812, 10702
Toshiba	11256

Television - LCD

Apex Digital	10890
Audiovox	10180, 10802, 10875
Dell	11080, 11178
Envision	10813
Funai	10171
Go Video	10886
Hyundai	10849
iLo	11990
Initial	11990
Insignia	11204, 12002
Kost	11262
LG	10856, 11178, 11993
Magnavox	11454, 10802, 11198, 11990
Marantz	10855
Maxent	11755
Mintek	11990
Mitsubishi	11250
Olevia	11144, 11240, 11331
Panasonic	10650, 11941
Petters	11523
Philips	11454
Polaroid	11262, 11276, 11341, 11523
RCA	10047, 11958
Sampo	11755

Samsung	10812, 10766, 10814
Sharp	10093, 11602
Signet	11262
Superscan	10864
SVA	10587, 10870, 10871
Sylvania	10171, 11271, 11314
Symphonic	10171
Syntax	11144, 11240, 11331
Techview	10847
Toshiba	10845, 11656
Viewsonic	10857, 10864, 10885, 11330, 11578
Vizio	10864, 10885, 11756, 11758
Westinghouse	10885, 10889, 10890, 11282, 11577
Zenith	11265

Television - TV/DVD Combination

Advent	11933
Emerson	11963
ESA	11963
Funai	11963
Hitachi	11960
iLo	11990
Initial	11990
Insignia	11963, 12002
Jensen	11933
LG	11993
Magnavox	11963, 11990
Mintek	11990
Panasonic	11941
Polaroid	11991
Prima	11933
RCA	11958, 12002
Samsung	11903
Sylvania	11963

Television - TV/VCR Combination

America	10180
Audiovox	10180
Emerson	10236

Television - TV/VCR/DVD Combination

Akai	11903
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VCR

ABS	21972
Admiral	20048
Adventura	20000
Aiwa	20037, 20000
Alienware	21972
American High	20035
Audiovox	20037
Broksonic	20184, 20121, 21479
Calix	20037
Canon	20035
Carver	20081
Citizen	20037, 21278
Craig	20037, 20047
Curtis Mathes	20060, 20035, 20162, 21035
CyberPower	21972

Daewoo	20045, 21278
Dell	21972
Denon	20042
DirectTV	20739
Durabrand	20039
Dynatech	20000
Electrohome	20037
Electroponic	20037
Emerex	20032
Emerson	20037, 20184, 20000, 20121, 20043, 20593, 21278, 21479, 21593
Fisher	20047
Fuji	20035, 20033
Funai	20000, 20593, 21593
Garrard	20000
Gateway	21972
GE	20060, 20035, 20807, 21035, 21060
Go Video	20614
GoldStar	20037, 21237
Gradiente	20000
Harley Davidson	20000
Harman/Kardon	20081
Hewlett Packard	21972
HI-Q	20047
Hitachi	20000, 20042, 20089
Howard Computers	21972
HP	21972
Hughes Network Systems	20042, 20739
Humax	20739
Hush	21972
iBUYPOWER	21972
JVC	20067
KEC	20037
Kenwood	20067
Kodak	20035, 20037
Linksys	21972
Lloyd's	20000
LXI	20037
Magnasonic	20593, 21278
Magnavox	20035, 20039, 20081, 20000, 20149, 20593, 21593, 21781
Marantz	20035, 20081
Marta	20037
Matsushita	20035, 20162
Media Center PC	21972
MEI	20035
Memorex	20035, 20162, 20037, 20048, 20039, 20047, 20000, 21237
MGA	20043
Microsoft	21972
Mind	21972
Minolta	20042
Mitsubishi	20067, 20043, 20807
Motorola	20035, 20048

MTC	20000
Multitech	20000
NEC	20067
Nikko	20037
Niveus Media	21972
Northgate	21972
Olympus	20035
Optimus	21062, 20162, 20037, 20048, 20593
Orion	20184, 21479
Panasonic	21062, 20035, 20162, 20225, 20614, 20616, 21035
Penney	20035, 20037, 20042, 21035, 21237
Pentax	20042
Philco	20035
Philips	20035, 20081, 20618, 20739
Pilot	20037
Pioneer	20067
Polk Audio	20081
Presidian	21593
Proscan	20060, 21060
Pulsar	20039
Quasar	20035, 20162, 21035
RadioShack	20000
Radix	20037
Randex	20037
RCA	20060, 20042, 20149, 20807, 20880, 21035, 21060
Realistic	20035, 20037, 20048, 20047, 20000
ReplayTV	20614, 20616
Ricavision	21972
Runco	20039
Samsung	20045, 20739, 21014
Sanky	20048, 20039
Sansui	20000, 20067, 21479
Sanyo	20047
Scott	20184, 20045, 20121, 20043
Sears	20035, 20037, 20047, 20000, 20042, 21237
Sharp	20048, 20807
Sonic Blue	20614, 20616
Sony	20035, 20032, 20033, 20000, 20636, 21232, 21972
Stack 9	21972
STS	20042
Sylvania	20035, 20081, 20000, 20043, 20593, 21593, 21781
Symphonic	20000, 20593, 21593
Systemax	21972
Tagar Systems	21972
Teac	20000
Technics	20035, 20162
Teknika	20035, 20037, 20000
Thomas	20000
Tivo	20618, 20636, 20739, 21996
Toshiba	20045, 20043, 20845, 21008, 21145, 21972, 21996
Totevision	20037
Touch	21972
Vector	20045
Video Concepts	20045

Videomagic	20037
Viewsonic	21972
Villain	20000
Voodoo	21972
Wards	20060, 20035, 20048, 20047, 20081, 20000, 20042, 20149
XR-1000	20035, 20000
Zenith	20039, 20033, 20000, 21479
ZT Group	21972

VCR - DBS/PVR Combination

Hughes Network Systems	20739
Philips	20739
Samsung	20739

VCR - DVD-R

Magnavox	20000
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VCR - TV/VCR Combination

Broksonic	21479
Citizen	21278
Curtis Mathes	21035
Daewoo	21278
Emerson	20593, 21278, 21479
Funai	20000
GE	20807, 21035, 21060
GoldStar	21237
Harley Davidson	20000
Hitachi	20000
Lloyd's	20000
Magnasonic	20593, 21278
Magnavox	20000, 20593, 21781
Memorex	20162, 21237
Mitsubishi	20807
Optimus	20162, 20593
Orion	21479
Panasonic	20162, 21035
Penney	21035, 21237
Quasar	20162, 21035
RadioShack	20000
RCA	20807, 21035, 21060
Samsung	21014
Sansui	20000, 21479
Sears	20000, 21237
Sony	20000, 21232
Sylvania	21781
Symphonic	20000, 20593
Thomas	20000
Toshiba	20845, 21145
Zenith	20000, 21479

VCR - TV/VCR/DVD Combination

Sharp	20807
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DVD

Accurian	21416
Aiwa	20641

Akai	20695, 20899, 21089
Alco	20790
Allegro	20869
Amphion Media Works	21245
AMW	21245
Apex Digital	20672, 20830, 21056, 21061
Arrgo	21023
Aspire Digital	21168
Audiovox	20790, 21121, 21122
Blue Parade	20571
Broksonic	20695, 20868, 21419
Cinea	20831
Cinego	21399
CineVision	20876, 20833, 20869
Citizen	20695, 21277
Coby	20778, 21086, 21107, 21351
Craig	20831
CyberHome	20816, 20874, 21023, 21129
Daewoo	20705, 20833, 20869, 21169, 21172, 21234, 21242, 21441
Denon	20490, 20634
Disney	20675, 21270
Durabrand	21127
DVD2000	20521
Emerson	20591, 20675, 20821, 21268
Enterprise	20591
ESA	20821, 21268
Funai	20675, 21268, 21334
Gateway	21073
GE	20522, 20815
Go Video	20744, 20715, 20741, 20783, 20833, 20869, 21044, 21075, 21099, 21304
GoldStar	20741
Harman/Kardon	20582, 20702
Hitachi	20573, 20664, 21247
Hiteker	20672
iLo	21348, 21472
Initial	21472
Insignia	21268
Integra	20627
JBL	20702
JVC	20558, 20623, 20867, 21164, 21602
Kawasaki	20790
Kenwood	20490, 20534
KLH	20790
Koss	20651
Lenoxx	21127
LG	20591, 20741, 20869
LiteOn	21058, 21416, 21440
Loewe	20511
Magnavox	20503, 20539, 20646, 20675, 20821, 21268, 21472, 21506
Marantz	20539
Memorex	20695, 20831, 21270
Microsoft	20522, 21708
Mintek	20839, 21472
Mitsubishi	21521, 20521
NAD	20741
NEC	20785

Norcent	21107
Onkyo	20503, 20627
Oritron	20651
Panasonic	20490, 20703, 21362, 21462, 21490, 21762
Philips	20503, 20539, 20646, 20675, 20854, 21260, 21267, 21354
Pioneer	20525, 20571, 20631
Polaroid	21061, 21086, 21245
Polk Audio	20539
Presidian	20675
Proscan	20522
ProVision	20778
Qwestar	20651
RCA	20522, 20571, 20790, 20822, 21022, 21132, 21769
Rio	20869
Rotel	20623
Sampo	20698, 20752
Samsung	20490, 20573, 20199, 20820, 20899, 21044, 21075, 21470
Sansui	20695
Sanyo	20695, 20873
Sharp	20630, 20675, 20752, 21256
Shinsonic	20533, 20839
Sonic Blue	20869, 21099
Sony	20533, 21533, 20864, 21033, 21070, 21431, 21536
Sova	21122
Superscan	20821
Sylvania	20675, 20821, 21268
Symphonic	20675, 20821
Teac	20790
Technics	20490, 20703
Theta Digital	20571
Tivo	21503
Toshiba	20503, 20695, 21045, 21154, 21503, 21769
Urban Concepts	20503
US Logic	20839
Venturer	20790
Vizio	21064, 21226
Xbox	20522, 21708
Yamaha	20490, 20539, 20545
Zenith	20503, 20591, 20741, 20869

DVD - DVD-R

Accurian	21416
Apex Digital	21056
Aspire Digital	21168
Broksonic	21419
Coby	21086
CyberHome	21129
Funai	20675, 21334
Gateway	21073
Go Video	20741, 21304
iLo	21348
JVC	21164
LG	20741
LiteOn	21416, 21440

Magnavox	20646, 20675, 21506
Panasonic	20490
Philips	20646
Pioneer	20631
Polaroid	21086
RCA	20522
Samsung	20490, 21470
Sharp	20675
Sony	21033, 21070, 21431, 21536
Sylvania	20675
Zenith	20741

DVD - TV/DVD Combination

Akai	20695
Apex Digital	20830
Audiovox	21121, 21122
Broksonic	20695
Cinego	21399
Citizen	20695
Emerson	20675, 21268
ESA	21268
Funai	21268
Hitachi	21247
iLo	21472
Initial	21472
Insignia	21268
Magnavox	21268, 21472
Mintek	21472
Panasonic	21490
Philips	20854, 21260
RCA	21022
Samsung	20899
Sansui	20695
Sova	21122
Sylvania	20675, 21268
Toshiba	20695

DVD - TV/VCR/DVD Combination

Akai	20899
Broksonic	20868
Emerson	20821
ESA	20821
Funai	21334
Magnavox	20821
Panasonic	21362, 21462
RCA	21132
Sharp	20630
Superscan	20821
Sylvania	20821
Symphonic	20821
Toshiba	21045
Superscan	20821
Sylvania	20821
Symphonic	20821
Toshiba	21045

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