



# Programming codes for E2050-ER1 and AT2300 remote controls

*For the AT-2300 remote control, add a zero in front of the code used (requires that the codes consist of 4 digits).*

## TV's

A to L	
<b>Admiral</b>	107
<b>Adventura</b>	060
<b>Aiko</b>	106
<b>Akai</b>	044
<b>Alaron</b>	193
<b>Ambassador</b>	191
<b>Anam</b>	194, 069
<b>AOC</b>	033, 044, 199
<b>Audiovox</b>	106, 194, 465
<b>Baysonic</b>	194
<b>Belcor</b>	033
<b>Bell &amp; Howell</b>	030, 168
<b>Bradford</b>	194
<b>Brocksonic</b>	250, 477
<b>Candle</b>	060, 066, 044, 070



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<b>Carnivale</b>	044
<b>Carver</b>	068
<b>Celebrity</b>	014
<b>Cineral</b>	106, 465
<b>Citizen</b>	060, 044, 070, 074, 106
<b>Concerto</b>	070
<b>Contec</b>	194
<b>Craig</b>	194
<b>Crosley</b>	068
<b>Crown</b>	194
<b>Curtis Mathes</b>	180, 030, 044, 061, 065, 068, 070, 074, 107, 159, 168, 465
<b>CXC</b>	194
<b>Daewoo</b>	106, 465
<b>Denon</b>	159
<b>Dumont</b>	031
<b>Electroband</b>	014
<b>Emerson</b>	250, 168, 191, 192, 193, 194, 296, 477
<b>Envision</b>	044
<b>Fisher</b>	168
<b>Fluid</b>	074, 168, 170
<b>Fujitsu</b>	193
<b>Funai</b>	185, 193, 194

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<b>Futuretech</b>	194
<b>GE</b>	035, 061, 065, 107, 149, 192, 296, 465
<b>Gibraltar</b>	031, 044
<b>Goldstar (LG)</b>	044, 070, 192
<b>Gradiente</b>	067, 070
<b>Grunpy</b>	193, 194
<b>Hallmark</b>	192
<b>Harley Davidson</b>	193
<b>Havard</b>	194
<b>Hitachi</b>	070, 159
<b>Ilo</b>	185, 193, 194
<b>Infinity</b>	068
<b>Inteq</b>	031
<b>Janeil</b>	060
<b>JBL</b>	068
<b>JCB</b>	014
<b>JVC</b>	067
<b>KEC</b>	194
<b>Kenwood</b>	044
<b>Kloss</b>	060
<b>KTV</b>	044, 194
<b>Logik</b>	030

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<b>Luxman</b>	070
<b>LXI</b>	061, 068, 168, 170, 192
<b>M to S</b>	
<b>Magnavox (Philips)</b>	044, 068, 193
<b>Majestic</b>	030
<b>Marantz</b>	044, 068
<b>Matsushita</b>	264
<b>Megatron</b>	152, 192
<b>Memorex</b>	030, 070, 164, 168, 192, 264
<b>MGA</b>	044, 164, 192
<b>Midland</b>	031, 061, 065, 149
<b>Minutz</b>	035
<b>Mitsubishi</b>	107, 164, 192
<b>Motorola</b>	107
<b>MTC</b>	044, 070, 074
<b>Multitech</b>	194
<b>NAD</b>	180, 170, 192
<b>NEC</b>	044, 070
<b>Nikko</b>	044, 106, 192
<b>NTC</b>	106
<b>Onwa</b>	194
<b>Optimus</b>	180, 168, 264



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<b>Optonica</b>	179, 107
<b>Orion</b>	250, 193, 477
<b>Panasonic</b>	065, 264
<b>Penney</b>	035, 044, 061, 065, 070, 074, 149, 170, 192
<b>Philco</b>	044, 068, 159, 477
<b>Philips</b>	068
<b>Pilot</b>	044
<b>Pioneer</b>	180
<b>Portland</b>	106
<b>Prism</b>	065
<b>Proscan</b>	061
<b>Proton</b>	192
<b>Pulsar</b>	031
<b>Quasar</b>	179, 065, 264
<b>Radio Shack</b>	179, 044, 061, 070, 168, 192, 194
<b>RCA</b>	061, 104, 149, 065, 107
<b>Realistic</b>	179, 044, 070, 192, 168, 194
<b>Runco</b>	031, 044, 053
<b>Sampo</b>	044
<b>Samsung</b>	044, 070, 074, 192
<b>Sansei</b>	465
<b>Sansui</b>	477

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<b>Sanyo</b>	168
<b>Scotch</b>	192
<b>Scott</b>	250, 192, 193, 194
<b>Sears</b>	061, 068, 070, 168, 170, 185, 192, 193
<b>Semivox</b>	194
<b>Semp</b>	170
<b>Sharp</b>	179, 107
<b>Signature</b>	030
<b>Sony</b>	014
<b>Soundesign</b>	192, 193, 194
<b>Squareview</b>	185
<b>SSS</b>	194
<b>Starlite</b>	194
<b>Supre-Macy</b>	060
<b>Supreme</b>	014
<b>Sylvania</b>	044, 068
<b>Symphonic</b>	185
<b>T to Z</b>	
<b>Tandy</b>	107
<b>Tatung</b>	069
<b>Technics</b>	065, 264
<b>Technol Ace</b>	193



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<b>Techwood</b>	065, 070
<b>Teknika</b>	030, 068, 070, 074, 106, 164, 193, 194
<b>Telefunken</b>	070
<b>TMK</b>	070, 191, 192
<b>Toshiba</b>	074, 168, 170
<b>Vector Research</b>	044
<b>Victor</b>	067
<b>Vidikron</b>	068
<b>Vidtech</b>	192
<b>Viking</b>	060
<b>Wards</b>	030, 179, 035, 044, 070, 192, 193, 068
<b>Yamaha</b>	044
<b>Zenith</b>	030, 031, 106

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**VCR's**

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<b>A to L</b>	
<b>Admiral</b>	062
<b>Adventura</b>	014
<b>Aiko</b>	292
<b>Aiwa</b>	014, 051
<b>Akai</b>	055, 075, 120

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<b>American High</b>	049
<b>Asha</b>	254
<b>Audiovox</b>	051
<b>Beaumark</b>	254
<b>Bell &amp; Howell</b>	118
<b>Broksonic</b>	016, 135, 198, 225
<b>Calix</b>	051
<b>Canon</b>	049
<b>Carver</b>	095
<b>CCE</b>	086, 292
<b>Cineral</b>	292
<b>Citizen</b>	051, 292
<b>Colt</b>	086
<b>Craig</b>	051, 061, 086, 254
<b>Curtis Mathes</b>	049, 055, 074, 176
<b>Cybernex</b>	254
<b>Daewoo</b>	059, 292
<b>Denon</b>	056
<b>Dynatech</b>	014
<b>Electrohome</b>	051
<b>Electrophonic</b>	051
<b>Emerex</b>	046

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<b>Emerson</b>	014, 016, 051, 057, 075, 135, 198, 222, 225, 226, 292
<b>Fisher</b>	061, 068, 118
<b>Fuji</b>	047, 049
<b>Funai</b>	014
<b>Garrard</b>	014
<b>GE</b>	062, 049, 074, 254
<b>Goldstar (LG)</b>	051, 052
<b>Gradiente</b>	014
<b>Harley Davidson</b>	014
<b>Harman Kardon</b>	052
<b>Harwood</b>	086
<b>Headquarter</b>	060
<b>Hi-Q</b>	061
<b>Hitachi</b>	014, 055, 056, 119
<b>JCPenney</b>	049, 051, 052, 056, 068, 254
<b>Jensen</b>	055
<b>JVC</b>	081, 055
<b>KEC</b>	051, 292
<b>Kenwood</b>	081, 052, 055
<b>KLH</b>	086
<b>Kodak</b>	049, 051
<b>Lloyd's</b>	014, 222

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<b>Logik</b>	086
<b>LXI</b>	051
<b>M to S</b>	
<b>Magnasonic</b>	292
<b>Magnavox (Philips)</b>	014, 049, 053, 095
<b>Magnin</b>	254
<b>Marantz</b>	049, 095
<b>Marta</b>	051
<b>Matsui</b>	094, 368
<b>Matsushita</b>	049, 176
<b>MEI</b>	049
<b>Memorex</b>	060, 062, 014, 049, 051, 053, 061, 118, 176, 254
<b>MGA (Mitsubishi)</b>	057, 062, 075, 081, 254
<b>MGN Technology</b>	254
<b>Minolta</b>	056, 119
<b>Motorola</b>	062, 049
<b>MTC</b>	014, 254
<b>Multitech</b>	014, 086
<b>NEC</b>	081, 052, 055, 118
<b>Nikko</b>	051
<b>Noblex</b>	254
<b>Olympus</b>	049



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<b>Optimus</b>	062, 051, 118, 176
<b>Orion</b>	016, 198
<b>Panasonic</b>	049, 176
<b>Pentax</b>	056, 119
<b>Philco</b>	049
<b>Pilot</b>	051
<b>Pioneer</b>	081, 176
<b>Profitronic</b>	254
<b>Proscan</b>	074, 086
<b>Protec</b>	086
<b>Pulsar</b>	053
<b>Quarter</b>	060
<b>Quartz</b>	060
<b>Quasar</b>	049, 176
<b>Radio Shack</b>	014, 051
<b>Radix</b>	051
<b>Randex</b>	051
<b>RCA</b>	062, 049, 056, 074, 119, 120, 254
<b>Realistic</b>	060, 062, 014, 049, 051, 061, 118
<b>Runco</b>	053
<b>Samsung</b>	059, 254
<b>Sanky</b>	062, 053

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<b>Sansui</b>	081, 014, 055
<b>Sanyo</b>	060, 061, 118, 254
<b>Scott</b>	057, 059, 135, 198, 225, 255, 226
<b>Sears</b>	060, 014, 049, 051, 056, 061, 068, 118, 119
<b>Semp</b>	059
<b>Sharp</b>	062
<b>Shintom</b>	086
<b>Shogun</b>	254
<b>Singer</b>	086
<b>Sony</b>	047, 014, 046, 048, 049
<b>STS</b>	056
<b>Sylvania</b>	014, 049, 057, 095
<b>Symphonic</b>	014
<b>T to Z</b>	
<b>Tashiko</b>	051, 331
<b>Tatung</b>	055
<b>TEAC</b>	014, 055
<b>Technics</b>	049, 176
<b>Teknika</b>	014, 049, 051
<b>Thomas</b>	014
<b>TMK</b>	222, 254
<b>Toshiba</b>	057, 059, 226



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<b>Totevision</b>	051, 254
<b>Unitech</b>	254
<b>Vector</b>	059
<b>Vector Research</b>	052
<b>Video Concepts</b>	059, 075
<b>Videosonic</b>	254
<b>Wards</b>	062, 014, 049, 056, 061, 074, 086, 095, 226, 254
<b>White Westinghouse</b>	292
<b>XR-1000</b>	014, 049, 086
<b>Yamaha</b>	052
<b>Zenith</b>	014, 047, 053

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