





This is done in the following way:

- Identify the make of the TV that is to be controlled. E.g. Sony, Magnavox, Philips etc. and find it in the Table of Brand Codes below.
- Simultaneously press and hold the TV  and OK  buttons on the remote - after approximately 2 seconds, the TV button will light.
- Release the TV and OK buttons – the TV button remains illuminated.
- Now enter the 3-digit brand code according to the make of the TV that is being controlled.
- As each of the digits are entered, the TV button will briefly flash off and on again
- When the third digit has been entered, the TV button will go out.
- If a TV brand code has been entered that the remote does not recognize, the TV button will flash rapidly for a second and remain illuminated. If this happens, re-enter the correct TV brand code.
- Verify that the remote control works with the TV.
- If no brand code is entered, or the brand code entered is incomplete, after several seconds, the remote will exit the TV brand code entry mode and the TV brand code will be unchanged.
- The remotes are supplied by default with TV Brand Code 000.

Most TV makes have more than one brand code listed in the brand code table – if this is the case try all brand codes that are listed for that make until a suitable match is found.

If no brand code is listed for the TV, try brand codes for common televisions such as Philips and NEC.

3.1 Table of Brand Codes

Please note: Certain codes are only available in newer remote controls (including 002-458-01-01, any part number starting with a 5). If it is not available in your remote then after entering it the TV button will flash rapidly for a second and remain illuminated. Please contact your STB provider to see if a newer version of your remote is available.

| TV Manufacturer | Brand Codes |
|-----------------|--|
| ADMIRAL | 041, 045, 091, 102, 108 |
| AIKO | 089 |
| AIWA | 294, 295 |
| AKAI | 006, 010, 023, 119, 135, 159, 164, 179, 189, 198 |
| AKURA | 133 |
| ALBA | 124, 133, 236 |
| ALBIRAL | 197 |
| AMSTRAD | 130, 151 |
| ANAM | 117 |
| ARC EN CIEL | 057 |
| ARCAM | 057, 076 |

| TV Manufacturer | Brand Codes |
|-----------------|--|
| ARISTONA | 075 |
| ARTHUR MARTIN | 045, 164 |
| ASA | 041, 045, 052, 078, 087, 102, 108, 142, 205, 209, 215, 255 |
| ASTRA | 151 |
| ATANTIC | 076 |
| ATLANTIC | 076 |
| ATORI | 151 |
| AUDIOSONIC | 118, 132, 151 |
| AUSIND | 049, 141 |
| AUTOVOX | 009, 035, 048, 049, 060, 078, 095, 105, 108, 139, 142 |



| TV Manufacturer | Brand Codes |
|--------------------|--|
| BAIRD | 110, 135 |
| BANG & OLUFSEN | 108, 341, 342 |
| BASIC LINE | 132, 133 |
| BAUER | 145 |
| BAUR | 004, 006, 012, 013, 022, 156 |
| BEKO | 249, 250 |
| BLAUPUNKT | 022, 023, 024, 025, 047, 074, 220, 221, 222, 223, 224, 226, 257, 258 |
| BRANDT | 057, 065, 073, 090, 182 |
| BRIONVEGA | 102, 105, 108 |
| BRITANNIA | 076 |
| BRUNS | 082, 099, 102, 108 |
| BSR | 039, 069, 162, 190, 198 |
| BUSH | 045, 124, 133, 164, 174, 213, 215 |
| BUSH (UK) | 048, 156, 161 |
| CANDLE | 079 |
| CENTURY | 102, 108 |
| CGE | 049, 081, 098, 140, 153, 161, 162, 198, 220, 225, 227 |
| CITIZEN | 079 |
| CLARIVOX | 082, 096, 197 |
| CLATRONIC | 118, 133 |
| CONCERTO | 079 |
| CONDOR | 076 |
| CONTEC | 015, 117 |
| CONTINENTAL EDISON | 057, 065, 090 |
| CRAIG | 117 |
| CROSLEY | 002, 049, 102, 108, 140, 198, 220, 225, 227 |
| CROWN | 254 |
| CTC CLATRONIC | 026 |
| CXC | 117 |
| DAEWOO | 010, 150, 151, 261 |
| DANSAI | 010 |
| DECCA | 027, 058, 060, 097, 110, 169 |
| DECCA (UK) | 027, 058, 060, 110, 168 |
| DEGRAAF | 045, 135 |
| DIXI | 099, 151 |
| DOMEOS | 010 |
| DORIC | 103 |
| DUAL | 009, 060, 161, 164, 210 |
| DUAL-TEC | 060, 151, 162, 211 |
| DUMONT | 026, 052, 078, 102, 108, 198, 212, 215 |

| TV Manufacturer | Brand Codes |
|------------------|---|
| DYNATRON | 010 |
| ELBE | 155, 197, 203 |
| ELECTRO TECH | 151 |
| ELEKTRONSKA | 077 |
| ELMAN | 026, 162 |
| ELTA | 151 |
| EMERSON | 092, 102, 108, 112, 117, 126, 130 |
| ERRES | 010 |
| ETRON | 198 |
| EUROPHON | 026, 058, 060, 077, 109, 162, 200 |
| FENNER | 010, 151 |
| FERGUSON | 028, 037, 055, 065, 078, 086, 088, 113, 118, 136, 146, 197, 199, 228, 231, 234 |
| FIDELITY | 045, 076, 228 |
| FIDELITY (UK) | 056, 059, 193, 228 |
| FILMNET | 114 |
| FINLANDIA | 045, 232 |
| FINLUX | 002, 026, 049, 052, 078, 081, 087, 108, 141, 142, 198, 205, 209, 212, 215, 255, 349, 350, 351 |
| FIRST LINE | 198 |
| FISHER | 002, 009, 014, 051, 060, 080, 082, 098, 102, 108, 198, 209 |
| FORGESTONE | 228 |
| FORMENTI | 045, 049, 076, 108, 145, 154, 198 |
| FORMENTI-PHOENIX | 002, 043, 045, 059, 141 |
| FORTRESS | 108 |
| FRONTECH | 045, 118, 198 |
| FUJITSU | 126 |
| FUNAI | 039, 069, 117, 118, 126 |
| FUTURETECH | 117 |
| GBC | 002, 014, 132, 151, 162, 198 |
| GEC | 045, 110, 128, 232 |
| GEC (UK) | 003, 008, 058, 060, 110, 128, 156 |
| GELOSO | 002, 041, 045, 132, 151, 162, 198 |
| GENERAL TECHNIC | 268 |
| GENEXXA | 045, 133 |
| GOODMANS | 014, 110, 137, 164, 230 |
| GORENJE | 098, 106 |
| GRAETZ | 045 |
| GRANADA | 014, 045, 049, 058, 060, 110, 111, 135, 198, 232 |
| GRANADA (UK) | 008, 014, 045, 049, 058, 060, 103, 131, 152, 156, 164 |



| TV Manufacturer | Brand Codes |
|-----------------|--|
| GRUNDIG | 022, 023, 047, 049, 071, 074, 138, 202, 204, 214, 215, 282, 283, 284, 285 |
| HANSEATIC | 002, 012, 014, 043, 059, 156 |
| HANTAREX | 058 |
| HEMMERMANN | 006 |
| HIFIVOX | 033, 057 |
| HINARI | 007, 014, 045, 126, 135, 151, 164, 198, 201 |
| HITACHI | 000, 001, 003, 008, 014, 029, 033, 034, 045, 060, 063, 070, 128, 156, 160, 182, 183, 184, 186, 187, 188, 189, 194, 198, 205, 232, 234 |
| HYPER | 059, 060, 151, 162 |
| HYUNDAI | 353 |
| IMPERIAL | 045, 049, 081, 098, 140, 161, 162, 220, 225, 227 |
| INGERSOL | 151 |
| INNO HIT | 058, 060, 084, 110, 133, 137, 151, 201 |
| INNOVATION | 259, 260, 261, 262, 264, 265, 266, 271, 272, 276, 277, 278 |
| INTERFUNK | 003, 004, 006, 012, 018, 045, 049, 108, 164, 179, 182, 198, 223 |
| IRRADIO | 049, 132, 133, 137, 141, 151, 201 |
| ISUKAI | 133 |
| ITT | 003, 004, 005, 006, 007, 008, 018, 041, 045, 049, 124, 129, 135, 150, 160, 164, 174, 192, 198, 209, 233, 243 |
| ITT-NOKIA | 003, 004, 005, 006, 007, 008, 018, 041, 045, 049, 124, 129, 135, 150, 160, 164, 174, 192, 198, 209, 233, 243 |
| JVC | 007, 072, 144, 158, 159, 174, 179 |
| KAISUI | 059, 132, 133 |
| KAMOSONIC | 060 |
| KARCHER | 059, 060, 084, 109, 132, 151, 156, 205 |
| KAWASHO | 076 |
| KENDO | 026 |
| KENNEDY | 002, 035, 095, 198 |
| KONKA | 270 |
| KORTING | 043, 101, 102, 108, 154 |
| KTV | 060, 117 |
| LENOIR | 060, 151 |
| LEYEO | 118 |
| LG(GOLDSTAR) | 059, 060, 076, 079, 137, 149, 151, 156, 162, 164, 315, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340 |
| LIFETEC | 259, 260, 261, 262, 264, 265, 266, 267, 268, 269, 271, 276, 277, 278 |
| LOEWE OPTA | 012, 013, 058, 061, 108 |
| LOGIC | 169, 228 |
| LOGIK | 055, 168, 228 |

| TV Manufacturer | Brand Codes |
|---------------------|---|
| LOWEWE | 083 |
| LUMA | 035, 045, 190 |
| LUXMAN | 079 |
| LUXMAN STEREO TUNER | 079 |
| LUXOR | 000, 006, 018, 034, 042, 045, 046, 049, 060, 067, 135, 137, 156, 160, 191, 192, 198 |
| LYCO | 118 |
| MAGNADYNE | 002, 006, 026, 058, 064, 077, 102, 108, 162, 198 |
| MAGNAFON | 026, 049, 058, 059, 064, 076, 109, 200 |
| MANESTH | 010 |
| MARANTZ | 010 |
| MARELLI | 108 |
| MARK | 010 |
| MATSUI | 006, 045, 060, 069, 110, 115, 124, 127, 130, 151, 156, 168, 169 |
| MAXIMAL | 007, 198 |
| MCMICHAEL | 128 |
| MEDION | 259, 260, 261, 262, 264, 265, 266, 267, 268, 269, 271, 272, 276, 277, 278 |
| MEMOREX | 151 |
| METZ | 023, 074, 100, 104, 108, 148, 207, 208 |
| MGA | 123 |
| MICROMAXX | 259, 262, 264, 265, 271, 276, 277, 278 |
| MINERVA | 022, 023, 049, 138, 214, 215 |
| MISTRAL | 228 |
| MITSUBISHI | 014, 020, 023, 066, 119, 120, 123, 167, 169, 174 |
| MIVAR | 049, 050, 058, 059, 076, 077, 137, 143, 203 |
| MTC | 079 |
| MULTITECH | 026, 058, 060, 064, 098, 132, 151 |
| MURPHY | 045, 209 |
| MURPHY (UK) | 008, 103 |
| N.E.I. | 010, 096 |
| NAD | 134 |
| NEC | 014, 171, 172, 173 |
| NECKERMANN | 045, 060, 098, 108, 156, 193, 198, 221, 223, 224 |
| NEDIATOR | 010 |
| NICAMAGIC | 076 |
| NIKKAI | 110, 133, 164, 170, 201 |
| NOBLIKO | 026, 049, 059, 064, 138, 141 |
| NOGAMATIC | 057 |
| NOKIA | 003, 004, 005, 006, 007, 008, 018, 041, 045, 049, 124, 129, 135, 150, 160, 164, |



| TV Manufacturer | Brand Codes |
|-------------------|---|
| | 174, 192, 198, 209, 233, 243, 246, 279, 348, 354 |
| NORDMENDE | 003, 029, 033, 045, 053, 054, 057, 105, 113, 159, 179, 181, 182, 189, 194, 263 |
| OCEANIC | 032, 165, 198 |
| OCEANIC (F) | 003, 006, 032, 044, 166 |
| ONCEAS | 060 |
| ONWA | 117 |
| ORION | 006, 039, 069, 085, 121, 124, 125, 130, 148, 151, 168, 169, 198, 237, 242 |
| OSAKA | 201 |
| OSAKI | 110, 133, 201 |
| OSUME | 015 |
| OTTO VERSAND | 002, 012, 014, 022, 060, 156, 174, 198 |
| PAEL | 059, 141 |
| PANASONIC | 003, 020, 021, 045, 070, 131, 175, 196, 256, 274 |
| PANORAMIC | 235 |
| PATHE MARCONI | 057 |
| PATHE' CINEMA (F) | 043, 059, 162, 166, 197 |
| PAUSA | 151 |
| PAUZA | 151 |
| PERDIO | 089, 110 |
| PHILCO | 002, 049, 081, 098, 102, 108, 140, 161, 162, 175, 220, 225, 227, 245, 247 |
| PHILIPS | 010, 036, 059, 062, 068, 075, 076, 102, 108, 128, 203, 228, 229, 243, 244, 251, 273 |
| PHOENIX | 108 |
| PHONOLA | 075, 108 |
| PIONEER | 029, 045, 134, 182 |
| PRANDONI-PRINCE | 041, 045, 049, 058, 141 |
| PRANDONI-PROMCE | 045, 049, 058 |
| PRIMA | 045 |
| PROFEX | 198 |
| PROTECH | 064, 118, 198 |
| QUELLE | 004, 006, 012, 022, 023, 039, 049, 052, 060, 078, 137, 138, 141, 142, 164, 168, 205, 209, 214, 215, 220, 221, 223, 224, 225, 227, 255, 257, 258 |
| RADIOMARELLI | 010, 045, 066, 077, 108 |
| RADIONETTE | 003, 205, 209 |
| RADIOLA | 229 |
| RANK | 048, 215 |
| RBM | 213, 215 |
| RBM (UK) | 048 |
| REDIFFUSION | 045, 066, 164, 198, 233 |

| TV Manufacturer | Brand Codes |
|------------------|---|
| REDIFFUSION (UK) | 006, 008, 103 |
| REX | 007, 010, 035, 041, 045, 095, 190, 206, 210, 211 |
| RFT | 099, 251 |
| ROADSTAR | 132, 151, 286, 287, 288, 289, 290, 291, 292, 293 |
| ROTEL | 015 |
| SABA | 029, 033, 042, 045, 053, 054, 057, 058, 065, 073, 093, 102, 107, 108, 113, 179, 181, 182, 189, 194, 263 |
| SACCS | 197 |
| SAISHO | 045, 060, 116, 124, 130, 151, 167, 168, 169 |
| SALORA | 001, 004, 006, 007, 034, 045, 067, 129, 135, 152, 156, 160, 164, 191, 192, 193, 198, 232 |
| SAMBERS | 026, 049, 058, 064, 109, 137, 141, 200 |
| SAMSUNG | 010, 060, 084, 098, 110, 118, 137, 151, 201, 314, 315, 316, 317, 318, 319 |
| SANYO | 014, 015, 040, 060, 080, 082, 098, 102, 110, 111, 129, 135, 169, 174, 205, 209, 255 |
| SBR | 068, 075, 128, 228 |
| SCHAUB LORENZ | 045 |
| SCHNEIDER | 002, 007, 009, 045, 051, 059, 060, 075, 132, 136, 162, 164, 210, 211, 229 |
| SCOTT | 117, 126 |
| SEG | 026, 060, 082, 099 |
| SEI | 064, 069, 108, 130, 148, 198 |
| SELECO | 007, 010, 035, 041, 045, 095, 190, 206, 210, 211 |
| SENTRA | 160 |
| SHARP | 014, 015, 019, 176, 178 |
| SIAREM | 002, 026, 058, 064, 102, 108, 198 |
| SICATEL | 197 |
| SIEMENS | 015, 022, 023, 045, 074, 201, 220, 221, 222, 223, 224, 226, 257, 258 |
| SILVER | 118 |
| SINGER | 002, 026, 102, 108 |
| SINUDYNE | 002, 006, 010, 026, 039, 064, 069, 085, 094, 102, 108, 124, 130, 132, 148, 163, 198 |
| SKANTIC | 045 |
| SKYWORTH | 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311 |
| SOLAVOX | 045, 164, 201 |
| SONOKO | 010, 118, 151 |
| SONY | 014, 017, 112, 168, 169, 275 |
| SOUNDESIGN | 117 |
| SSS | 117 |
| STERN | 007, 010, 035, 041, 045, 095, 190, 206, 210, 211 |



| TV Manufacturer | Brand Codes |
|-----------------|--|
| SUNKAI | 069 |
| SUPRA | 079 |
| TANDBERG | 016, 033, 061, 102, 142, 177, 179, 208 |
| TANDY | 019, 045, 133, 153 |
| TASHIKO | 014 |
| TATUNG | 027, 058, 060, 097, 110, 168, 169 |
| TCL | 296, 297 |
| TCM | 262, 264, 271, 276, 277, 278 |
| TECHNICS | 131 |
| TECHWOOD | 079 |
| TEKNIKA | 117, 123, 126 |
| TELE | 114 |
| TELEAVIA | 057, 065, 073, 182 |
| TELEFUNKEN | 029, 030, 031, 055, 073, 113, 147, 159, 179, 180, 181, 182, 199, 216, 217, 218, 219, 220, 225, 227, 252, 263 |
| TELETECH | 151 |
| TEMPEST | 238, 239, 240, 241 |
| TENSAI | 133, 209 |
| TEXET | 060 |
| THOMSON | 033, 048, 053, 057, 063, 065, 073, 090, 124, 157, 159, 179, 181, 182, 189, 194, 253, 352 |
| THORN | 074, 086, 209, 225, 227, 228 |
| THORN-FERGUSON | 028, 037, 055, 065, 078, 086, 088, 113, 118, 136, 146, 197, 199, 228 |
| TMK | 014, 079, 147 |
| TOSHIBA | 014, 038, 048, 122, 127, 170, 174, 185, 215, 280, 281 |
| TRANS CONTINENS | 045 |

| TV Manufacturer | Brand Codes |
|--------------------|--|
| TRISTAR | 228 |
| TRIUMPH | 048, 058, 212 |
| UHER | 043, 045, 048, 049, 051, 131, 154 |
| ULTRAVOX | 002, 026, 059, 102, 108, 198 |
| UNITED | 288, 290, 312, 313 |
| UNIVERSUM | 118, 205 |
| UNIVOX | 197 |
| VEGAVOX | 081 |
| VEXA | 010, 151 |
| VICTOR | 144, 159 |
| VIDEOTON | 248 |
| VORTEC | 010, 065 |
| VOXSON | 041, 045, 049, 102, 108 |
| WALTHAM | 045 |
| WATSON | 043, 220, 224 |
| WATT RADIO | 002, 006, 026, 059, 064, 076, 109, 197, 198, 200 |
| WEGA | 014, 108, 198 |
| WEGA COLOR | 102 |
| WELTBlick | 010 |
| WESTON | 162 |
| WHITE WESTINGHOUSE | 010, 026, 043, 059, 076, 140, 154 |
| YOKO | 060, 151 |
| ZANUSSI | 007, 010, 035, 041, 045, 095, 190, 206, 210, 211 |
| ZENITH | 343, 344, 345, 346, 347 |
| ZOPPAS | 045 |

4 Batteries

The remote is powered by 3 x AAA, MN2400, UM-3 or LR03 batteries. The use of alkaline batteries is strongly recommended. Battery life (using alkaline batteries) is typically around 6 months of 30-minutes intermittent use per day.

The battery compartment cover can be secured by a screw. The screw is supplied fitted into the base of the remote. In order to fit the battery cover screw:

- Remove the battery compartment cover.
- Remove the silver screw at the base of the remote using a Opt Posidrive™ screwdriver.
- Fit the batteries and re-fit the battery cover.
- Insert the screw into the hole in the base of the battery cover

