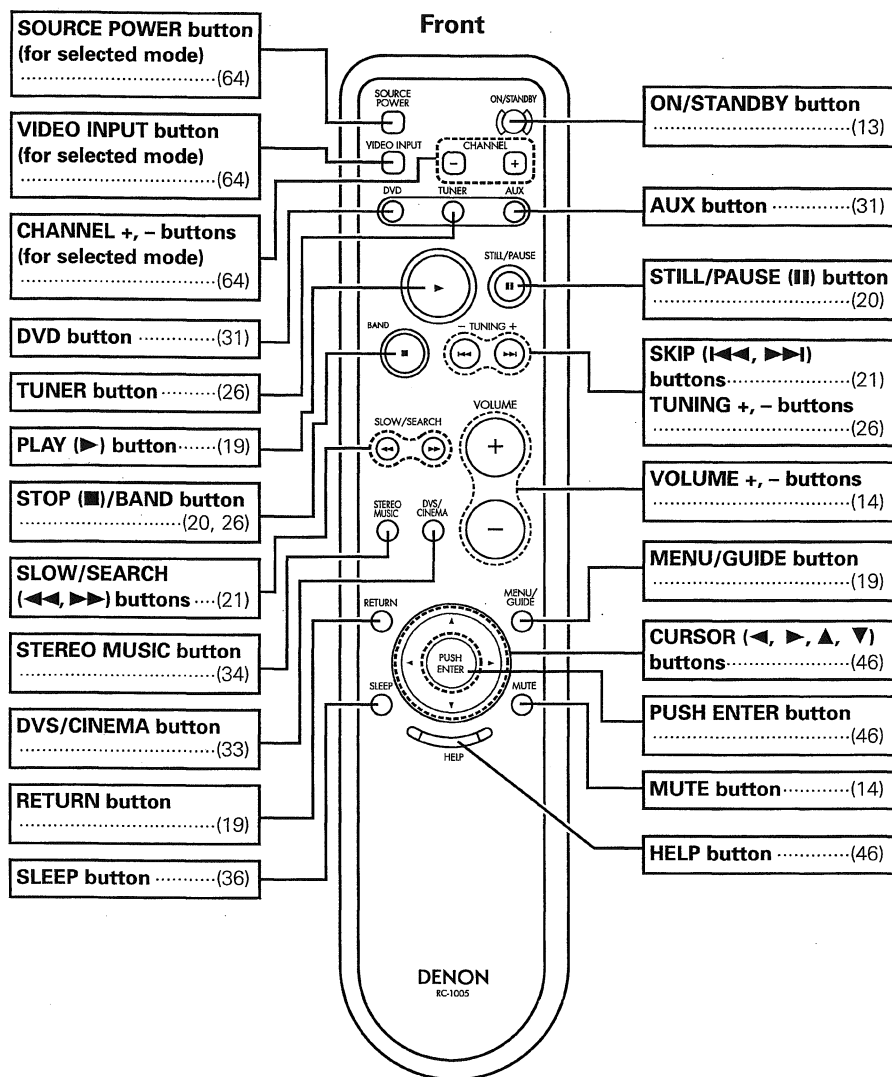


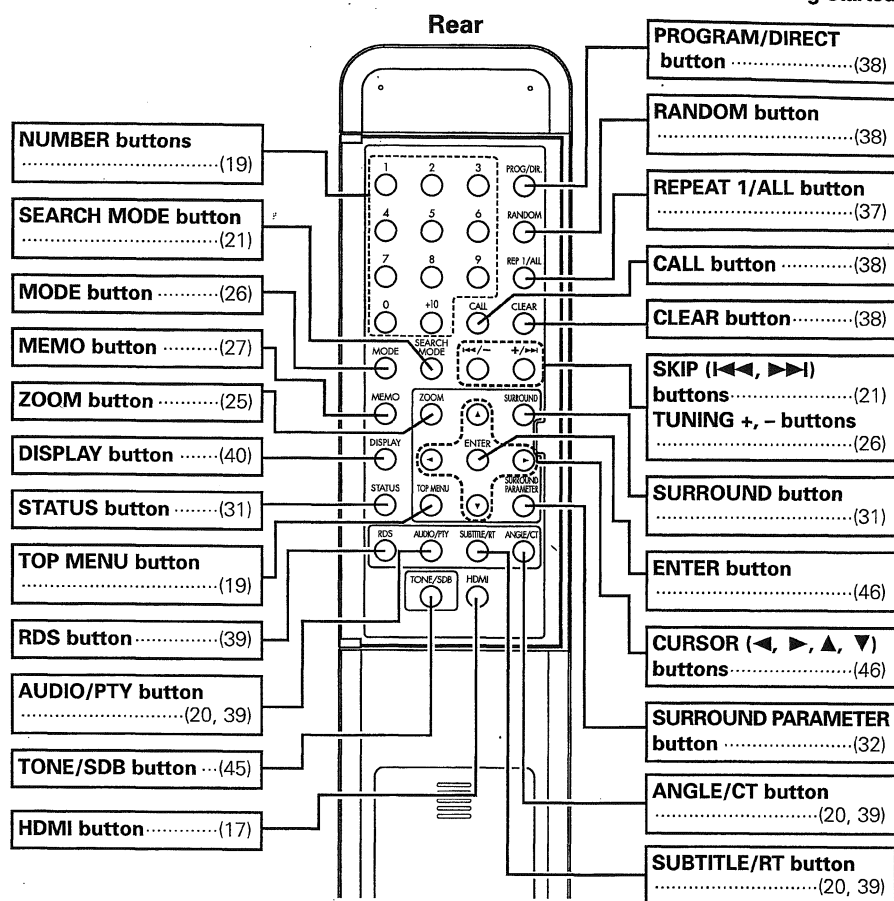
Getting Started

Remote control unit

- For details on the functions of these parts, refer to the pages given in parentheses ().



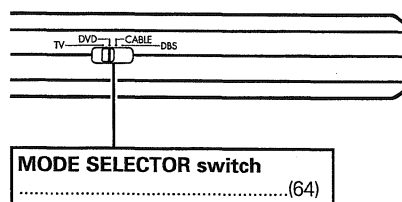
Getting Started



NOTE:

- If buttons on the front or rear are pressed strongly, the button on the opposite side will be activated too.

Side



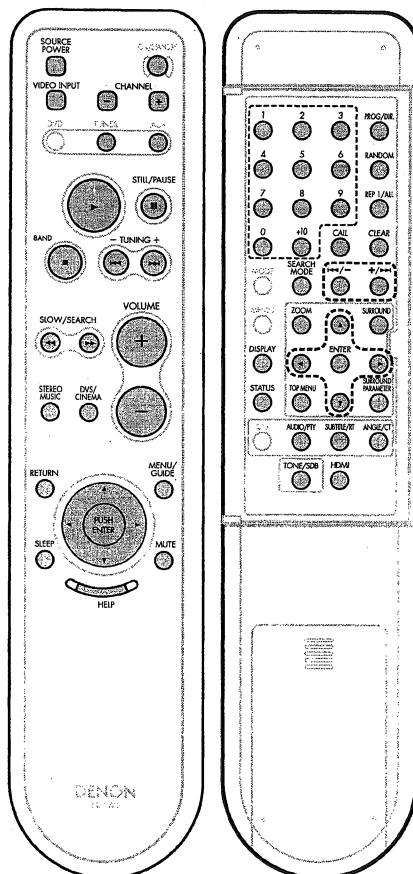
- TVTo operate the preset TV
- DVDTo operate this unit
- CABLETo operate the preset cable tuner
- DBSTo operate the preset satellite receiver

Getting Started

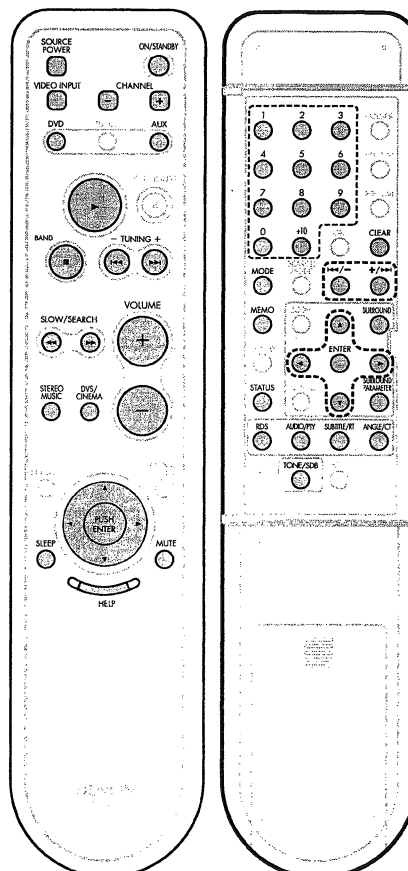
Valid buttons on the each functions

Getting Started

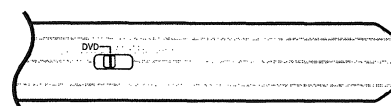
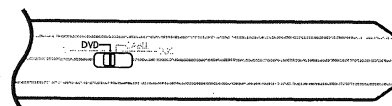
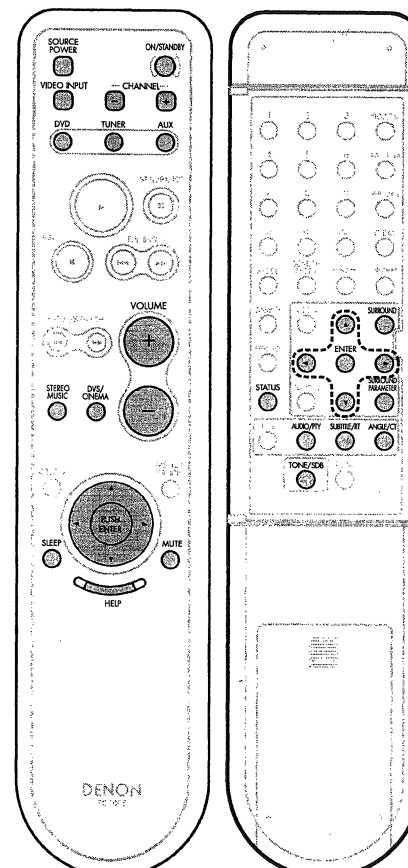
DVD function



TUNER function



AUX function

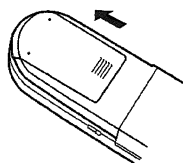


Easy Setup and Operation

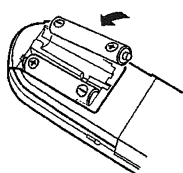
Easy Setup and Operation

Inserting the batteries

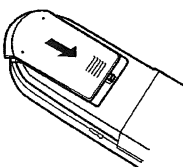
- 1 Remove the remote control unit's rear cover.



- 2 Set two R6P/AA batteries in the battery compartment in the indicated direction.



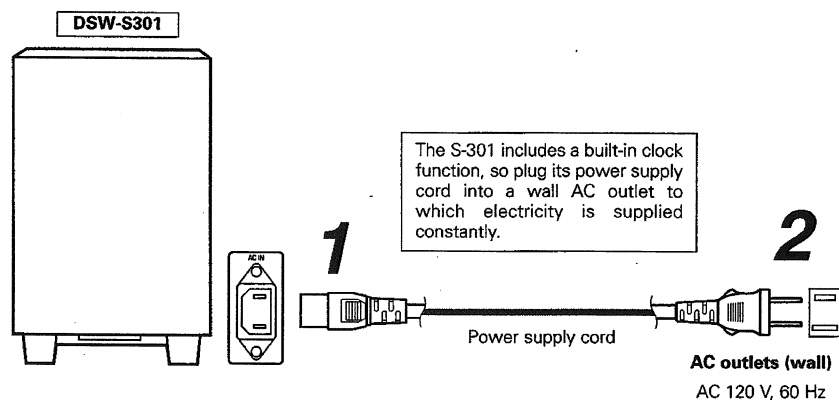
- 3 Put the rear cover back on.



Notes on batteries:

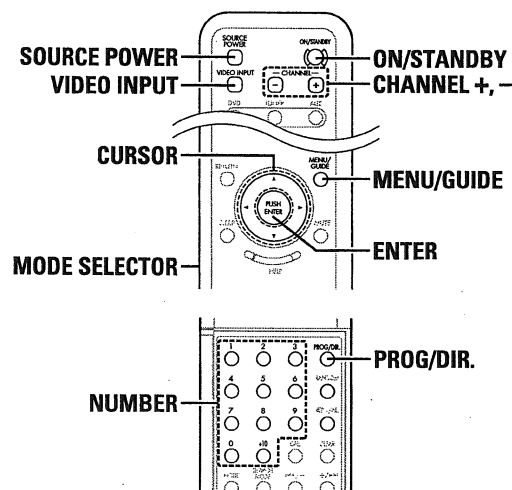
- Use R6P/AA batteries in the remote control unit.
- The batteries should be replaced with new ones approximately once a year, though this depends on the frequency of usage.
- Even if less than a year has passed, replace the batteries with new ones if the set does not operate even when the remote control unit is operated nearby the set. (The included battery is only for verifying operation. Replace it with a new battery as soon as possible.)
- When inserting the batteries, be sure to do so in the proper direction, following the "⊕" and "⊖" marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
 - Do not use a new battery together with an old one.
 - Do not use two different types of batteries.
 - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- Remove the batteries from the remote control unit when you do not plan to use it for an extended period of time.
- If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
- When replacing the batteries, have the new batteries ready and insert them as quickly as possible.

Connecting the power supply cord



System Setup

Setting up the remote control unit to control other audio / video devices



TV, cable tuner and satellite receiver preset memories

Components (TV, cable tuner or satellite receiver) of other brands can be operated with the included remote control unit by storing their codes in the preset memory.

SOURCE POWER, VIDEO INPUT, CHANNEL -, CHANNEL +, GUIDE, CURSOR ▲, ▼, ◀, ▶ and **ENTER** buttons on the remote control unit (front) are valid for the device specified with this setting. Note that depending on the model some operations may not be possible and some buttons (**SOURCE POWER, VIDEO INPUT, CHANNEL -, CHANNEL +, GUIDE, CURSOR ▲, ▼, ◀, ▶** or **ENTER**) may not operate properly.

Set as shown below upon shipment from the factory.

MODE SELECTOR	Default device	
TV	0047	RCA TV
CABLE	0476	Motorola
DBS	0392	RCA SAT for DirecTV

1 Set **MODE SELECTOR** switch to the position of the mode you want to operate (TV, CABLE or DBS).



2 Press the **PROG/DIR.** button for at least 3 seconds.

3 Input the 4-digit number corresponding to the brand of the component whose signals are to be stored in the preset memory (refer to the "List of preset codes" (End of this manual)).

- The code is set when 4 digits are input.
- Input the first digit within 3 seconds of performing step 2.
- Input the other digits within 60 seconds of each other.
- If any buttons other than the **PROG/DIR.** button or a **NUMBER** button is pressed, the preset mode is canceled and the previous settings remain valid.
- Set the **MODE SELECTOR** switch to the "DVD" position to operate the S-301.



- When buttons are pressed while setting the preset memory, their signals are sent from the remote control transmitter, so cover the remote control sensor when setting the preset memory to prevent accidental operation.
- Depending on the model and year of make, some of the remote control codes for the brands included on the tables may not operate properly.
- For some brands there are multiple types of remote control codes. If an operation does not work, try changing to one of the other codes.

System Setup

Operating the TV, cable tuner and satellite receiver after storing its remote control signals in the preset memory

1 Set **MODE SELECTOR** switch to the position of the mode you want to operate (TV, CABLE or DBS).



2 Operate the component.
• For details, refer to the component's operating instructions.

- ✧ It may not be possible to operate some models.
- ✧ The buttons listed below can be used to operate the device selected with the **MODE SELECTOR** switch:
SOURCE POWER, VIDEO INPUT, CHANNEL -, CHANNEL +, GUIDE, CURSOR ▲, ▼, ◀, ▶ and **ENTER** buttons.

Special punch through setting

Normally use with the **MODE SELECTOR** switch set at "DVD". At this time, the **SOURCE POWER, VIDEO INPUT, CHANNEL +** and **CHANNEL -** buttons are valid for the TV (default value). Perform the operation below to make the buttons valid for the cable tuner or satellite receiver.

1 Change **MODE SELECTOR** switch (TV, CABLE or DBS) that intend to setup for special punch through.



2 Press and hold **ON/STANDBY** button at least 3 seconds while **SOURCE POWER** button is held down.

The unit will detect mode switch and setup punch through setting.

- The default (TV) is set when the batteries are replaced, so set over from step 1.

List of preset codes / Liste de codes pré-régistrés / Lista de códigos pre-ajustados

CABLE

ABC	0003, 0008, 0014, 0017
ADB	1063
Alcatel	0896
Americast	0899
Auna	0277, 1269
Bell & Howell	0014
Bell South	0899
Birmingham Cable Communications	0276
British Telecom	0003
Cable & Wireless	1068
Cabletime	0448, 0665
Clearmaster	0883
ClearMax	0883
Contec	0019
Coolmax	0883
Cryptovision	0600
Digi	0637
Director	0476
Dumont	0637
DX Antenna	1500
Filmnet	0443
France Telecom	0451, 0896
General Instrument	0003, 0276, 0476, 0810
Golden Channel	1063, 1110
GoldStar	0144
Hamlin	0009, 0273
Jerrold	0003, 0012, 0014, 0276, 0476, 0810
Maspro	1510
Memorex	0000
MINET	0019, 0443
Motorola	0276, 0476, 0810, 1106, 1254, 1376

Mr Zap	1112
Multichoice	0019, 0443
Multitech	0883
NEC	1496
Noos	0817
NTL	0003, 0250, 0277, 1060, 1068
Oak	0019
Ono	1068
Pace	0237, 1060, 1068, 1877
Panasonic	0000, 0107, 1488
Panther	0637
Paragon	0000
Philips	0317, 1305
Pioneer	0144, 0533, 0877, 1021, 1500, 1877,
Pulsar	0000
PVP Stereo Visual Matrix	0003
Quasar	0000
RadioShack	0883
Regal	0273, 0279
Runco	0000
Sagem	0817
Samsung	0144
Scientific Atlanta	0008, 0017, 0277, 0477, 0877, 1510, 1877
Sony	1006, 1460
Starcom	0003
Sumitomo	1500
Supercable	0276
Supermax	0883
Tele+1	0443
Telewest	1068
Thomson	1110

Tocom	0012
Torx	0003
Toshiba	0000, 1509
Tristar	0883
United Cable	0003
V2	0883
Videoway	0250
Viewmaster	0883
Vision	0883
Visionetics	1064
Vortex View	0883
Zenith	0000, 0525, 0899

DBS

@sat	1300
ABSat	0123
Aiwa	1514
AlphaStar	0772
Amstrad	0847
Aston	1261
Astro	0173
Atsat	1300
Blaupunkt	0173
British Sky Broadcasting	0847, 1175
Canal Digital	0853
Canal Satellite	0853
Canal+	0853
Chaparral	0216
CityCom	1176
Crossdigital	1109
Cyrus	0200
D-box	0873
Digiturk	1076

DirecTV	0039, 0247, 0392, 0566, 0639, 0724, 0749, 0819, 1076, 1108, 1109, 1142, 1377, 1392, 1414, 1442, 1609, 1640, 1749, 1856
Dish Network System	0775, 1505, 1775
Dishpro	0775, 1505, 1775
DNT	0200
Dream Multimedia	1237
DX Antenna	1530
Echostar	0167, 0610, 0775, 0853, 0871, 1086, 1200, 1505, 1775
Expressvu	0775, 1775
Fracarro	0871
Galaxis	1111
GE	0566
General Instrument	0869
GOI	0775, 1775
Gold Box	0853
Goodmans	1246, 1284
Grundig	0173, 0847, 1330
Hirschmann	0173
Hisense	1535
Hitachi	0819, 1250, 1525
HTS	0775, 1775
Hughes Network Systems	0749, 1142, 1442, 1749
Humax	1176
iLo	1535
InVideo	0871
JVC	0775, 1531, 1775
Kathrein	0123, 0173, 0200, 0658, 1221
Kreiselmeier	0173

LG	1226, 1414
Magnavox	0722, 0724
Marantz	0200
Maspro	1520, 1530
MediaSat	0853
Memorex	0724
Mitsubishi	0749
Motorola	0869
Multichoice	0642, 0879
Myryad	0200
NEC	1270, 1519
Next Level	0869
Nokia	0751, 0873, 1223
OctalTV	1505
Pace	0497, 0720, 0795, 0847, 0887, 1175, 1323
Panasat	0615, 0879
Panasonic	0247, 0701, 0847, 1304, 1526, 1528
Paysat	0724
Philips	0099, 0200, 0722, 0724, 0749, 0853, 1076, 1114, 1142, 1442, 1749
Pioneer	0853, 1308
Proscan	0392, 0566
Proton	1535
Radiola	0200
RadioShack	0869
RCA	0143, 0392, 0566, 0855, 1392
Sagem	0820, 1114, 1253
Samsung	1108, 1109, 1243, 1276, 1292, 1293, 1609
Sanyo	1219
Sat Control	1300
Schwaiger	1111
Sharp	1489, 1517

Siemens	0173
SKY	0847, 0856, 1175
Sky Television	1014
SM Electronic	1200
Sony	0639, 0847, 1524, 1640
Star Choice	0869
Strong	0879
Supernova	0887
TechniSat	1099
Thomson	0853, 1046, 1291
Tivo	1142, 1442
Toshiba	0749, 0790, 1285, 1501, 1530, 1749
TPS	0820, 1253
UEC	0879
UltimateTV	1392, 1640
Uniden	0722, 0724, 1521
Universum	0173
US Digital	1535
USDTV	1535
Ventana	0200
Voom	0869
Wisi	0173
Xsat	0123, 1323
Yes	0887
Zenith	0856, 1856

TV

Acura	0009
Admiral	0093, 0463
Advent	0761, 0842
Aiko	0092
Aiwa	0701, 1916
Akai	0030, 0208, 0672, 0702, 0812
Alba	0009, 0037, 0668
Albatron	0700, 0843

America Action	0180
Ampro	0751
Amstrad	0009, 0037, 0171
Anam	0009, 0180
Anitech	0009
AOC	0030
Apex Digital	0748, 0765, 0879
Audiosonic	0037
Audiovox	0092, 0180, 0451
Aventura	0171
Bang & Olufsen	0565
Basic Line	0009
Baur	0037
Beaumarck	0178
Beko	0370, 0486, 0714
Bell & Howell	0154
BenQ	1032
Beon	0037
Blaupunkt	0195
Blue Sky	0668, 1037
Bradford	0180
Broksonic	0236, 0463
Bush	0009, 0037, 0668, 0698, 1037
Candle	0030
Carnivale	0030
Carver	0054
Cascade	0009
Cathay	0037
Celebrity	0000
Celera	0765
Centurion	0037
Changhong	0765
Cimline	0009
Citizen	0030, 0060, 0092
Clarion	0180
Clarivox	0037

Clatronic	0370
Commercial Solutions	0047
Condor	0370
Conrac	0808
Contec	0009, 0180
Craig	0180
Crosley	0054
Crown	0009, 0037, 0180, 0370
Curtis Mathes	0030, 0047, 0054, 0060, 0093, 0145, 0154, 0166, 0451, 0466, 0702
CXC	0180
Daewoo	0009, 0037, 0092, 0451, 0634, 0661, 0672, 1661
Dansai	0037
Dayton	0009
De Graaf	0208, 0548
Decca	0037
Dell	1080, 1178, 1264
Denon	0145, 0511
Denver	0587
Digatron	0037
Dixi	0009, 0037
Dumont	0017
Durabrand	0171, 0178, 0180, 0463, 1034
Dwin	0720, 0774
Electroband	0000
Electrograph	1755
Elin	0037, 0548
Elita	0009
Emerson	0154, 0171, 0178, 0180, 0236, 0463
Envision	0030
Epson	0833, 0840
Erres	0037

ESA	0171, 0312
Ferguson	0037, 0073, 0560
Finlandia	0208
Finlux	0037
Firstline	0009, 0668
Fisher	0154, 0208, 0370
Formenti	0037
Fujitsu	0683, 0809, 0853
Funai	0171, 0180
Futuretech	0180
Gateway	1755, 1756
GE	0047, 0051, 0178, 0451
GEC	0037
Geloso	0009
Gibraltar	0017, 0030
Go Video	0886
GoldStar	0030, 0037, 0178
Goodmans	0037, 0360, 0634
Gorenje	0370
Graetz	0714
Granada	0037, 0208
Grandin	0610
Grundig	0195, 0487, 0556, 0587, 0706
Grunpy	0180
Haier	1034
Hallmark	0178
Hanseatic	0037, 0556, 0661, 0808
Harman/Kardon	0054
Harvard	0180
Havermy	0093
HCM	0009
Helios	0865
Hello Kitty	0451
Hinari	0009, 0037
Hisense	0748

Hitachi	0145, 0178, 0548, 0578, 0730, 0744, 1037, 1145, 1150, 1225, 1245
Hypson	0037
Hyundai	0849, 0865
Imperial	0370
Indiana	0037
Infinity	0054
Inteq	0017
Interfunk	0037
Intervision	0037
ITT	0548
JBL	0054
JCB	0000
Jensen	0761
JVC	0053, 0653, 0683, 0731, 1253
Kaisai	0009
Karcher	0610
Kathrein	0556
KEC	0180
Kendo	0037
Kenwood	0030
KLH	0765
Korpel	0037
Koyoda	0009
KTV	0030, 0180
L&S Electronic	0808
Leyco	0037
LG	0178, 0442, 0700, 0714, 0856, 1178, 1934
Liesenk & Tter	0037
Loewe	0136, 0633
LXI	0047, 0054, 0154, 0156, 0178
M Electronic	0009, 0037, 0480
Magnavox	0030, 0054, 0706, 1454

Marantz	0030, 0037, 0054, 0556, 0704, 0855, 1154
Mark	0037
Matsui	0009, 0037, 0208, 0443, 0487
Matsushita	0250, 0650
Maxent	1755
Mediator	0037
Medion	0668, 0808, 1037
Megapower	0700
Megatron	0145, 0178
Memorex	0009, 0150, 0154, 0178, 0463, 1037
Metronic	0625
Metz	0447, 0746
MGA	0030, 0150, 0178
Micromaxx	0808
Microstar	0808
Midland	0017, 0047, 0051
Minerva	0487
Mitsubishi	0093, 0108, 0150, 0178, 0250, 0836, 0868, 1150, 1250
Mivar	0609
Monivision	0700, 0843
Motorola	0093
MTC	0030, 0060
Multitech	0009, 0180
Myriad	0556
NAD	0156, 0178, 0866
NEC	0030, 0156, 0497, 0704, 0882, 1704
Neckermann	0037, 0556
NEI	0037
NetTV	1755
Nikkai	0037
Nikko	0030, 0092, 0178

Nokia	0480, 0548
Norcent	0748, 0824
Nordmende	0560
NTC	0092
Onwa	0180
Optimus	0154, 0166, 0250, 0650
Optoma	0887
Optonica	0093
Orion	0037, 0236, 0443, 0463, 1463
Otto Versand	0037, 0556
Palladium	0370
Panasonic	0051, 0250, 0650, 1410
Pausa	0009
Penney	0030, 0047, 0051, 0060, 0156, 0178
Philco	0030, 0054
Philips	0037, 0054, 0556, 0690, 1154, 1454
Phonola	0037
Pilot	0030, 0706
Pioneer	0166, 0679, 0760, 0866, 1260
Portland	0092
Prima	0761
Princeton	0700, 0717
Prism	0051
Profex	0009
Proscan	0047
Protech	0009, 0037, 0668
Proton	0178, 0466
Pulsar	0017
Pye	0037
Quasar	0051, 0250, 0650
Quelle	0037
R-Line	0037
Radiola	0037

RadioShack	0030, 0047, 0154, 0178, 0180
RCA	0047, 0090, 0679, 1047, 1247, 1547
Realistic	0030, 0154, 0178, 0180
Relisys	0865
Reoc	0714
Revox	0037
Roadstar	0009
Runco	0017, 0030, 0497, 0603
Sagem	0610
Saisho	0009
Salora	0548
Sampo	0030, 1755
Samsung	0009, 0030, 0037, 0060, 0090, 0178, 0370, 0556, 0587, 0618, 0682, 0702, 0766, 0812, 0814, 1060
Sansui	0463, 0706
Sanyo	0088, 0154, 0208, 0798, 0799, 0893
SBR	0037
Schneider	0037, 0668
Scotch	0178
Scott	0178, 0180, 0236
Sears	0047, 0054, 0154, 0156, 0171, 0178
SEG	0668, 1037
Sharp	0093, 0491, 0688, 0689, 0787, 0818, 0851, 1193
Sheng Chia	0093
Siemens	0037, 0195
Sonitron	0208
Sonoko	0009, 0037
Sonolor	0208
Sontec	0037

Sony	0000, 0834, 1010, 1300, 1651
Soundesign	0178, 0180
Soundwave	0037
Squareview	0171
SSS	0180
Standard	0009
Starlite	0180
Studio Experience	0843
Superscan	0864
Supreme	0000
SVA	0587, 0748, 0865, 0872
Sylvania	0030, 0054, 0171
Symphonic	0171, 0180
Sysline	0037
T + A	0447
Tandy	0093
Tatung	0037, 1756
TCM	0808
Teac	0037, 0698
Technics	0051, 0250, 0650
Technisoon	0714
Techwood	0051
Teknika	0054, 0060, 0092, 0150, 0180
Telefunken	0625, 0702
Teletach	0009
Thomson	0560, 0625
Thorn	0037
TMK	0178
TNCI	0017
Toshiba	0060, 0154, 0156, 0508, 0618, 0650, 0718, 0832, 0845, 1256, 1704
TVS	0463
Universum	0037, 0370
V7 VideoSeven	1755

Vector Research	0030
Vestel	0037
Victor	0053, 0653
Videocon	0508
Vidikron	0054
Vidtech	0178
Viewsonic	0857, 0864, 0885, 1755
Vizio	0864, 0885, 1756
Wards	0030, 0054, 0178, 0866
Watson	0037
Waycon	0156
Westinghouse	0889
White Westinghouse	0337, 0463
Xenius	0661
Yamaha	0030, 0833, 0838, 0839
Yapshe	0250
Yoko	0037
Zenith	0017, 0092, 0178, 0463