



amino

Remote control User guide

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Product Disposal Information - EU only

The product is labelled in accordance with the European Directive 2002/96/EC concerning Waste Electrical and Electronic Equipment (the WEEE Directive) and therefore should not be disposed of with other household or commercial waste.



Product Disposal Instructions for Residential Users

Please remove any batteries and dispose of them and the product as per your local authority's recycling processes. For further information please contact your local authority or the retailer where the product was purchased.

Product Disposal Instructions for Business Users

Business Users should contact their supplier and check the terms and conditions of the purchase contract and ensure that the product is not mixed with other commercial waste for disposal.

Disclaimer

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Important Information about Using Batteries

Do not mix different types of battery or old and new batteries.

Do not use rechargeable batteries with the remote control.

Remove the batteries from the remote control if you are not going to use it for several weeks, to avoid the risk of leakage.

Please respect your environment and any local regulations and dispose of old batteries in a responsible manner.

Do not attempt to recharge the batteries.



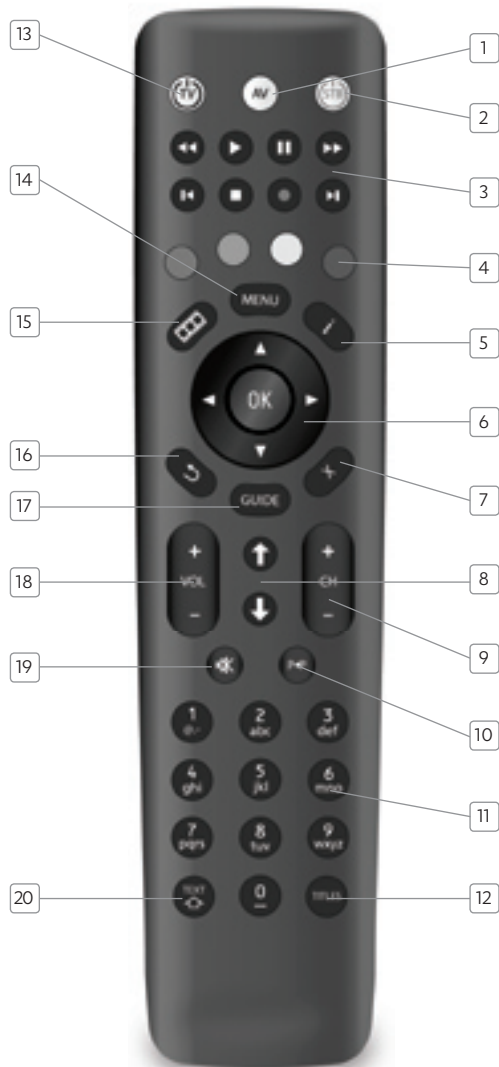
Immediately remove any leaking batteries. Take care when handling leaking batteries as they may cause burns to the skin or eyes, or other physical injuries.

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REMOTE CONTROL LAYOUT

- 1 TV AV Source Select button
- 2 STB Standby button
- 3 STB PVR Transport buttons
- 4 Colour Navigation buttons
- 5 Information button
- 6 Navigation and OK buttons
- 7 Exit button
- 8 Page Up and Page Down buttons
- 9 Channel Up and Channel Down buttons
- 10 Previous Channel Select button
- 11 Channel Select buttons and text entry
- 12 Subtitles button
- 13 TV Standby button
- 14 STB Menu button
- 15 PVR button
- 16 Back button
- 17 Electronic Program Guide button
- 18 Volume Up and Down buttons
- 19 Mute button
- 20 Teletext button (press and release) and TV SHIFT function (press and hold)



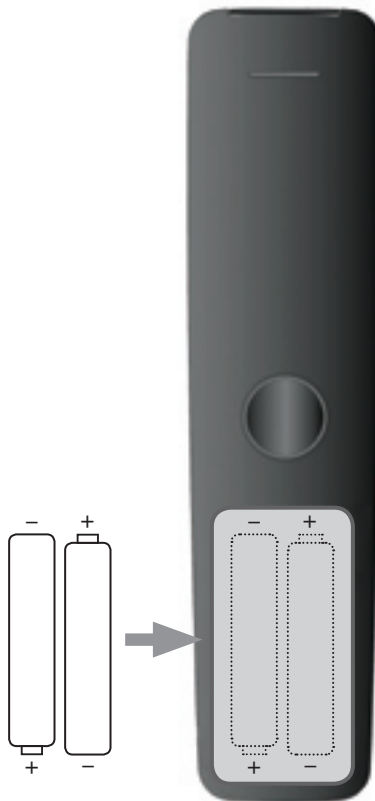
Note: Some button functionality (eg PVR) may not be available on specific models of STB and functionality also varies with the type of TV service delivered by your service provider

INSERTING BATTERIES

- 1 Slide the battery housing cover downwards to remove



- 2 Insert 2 x AAA batteries observing the correct polarity



- 3 Refit the battery housing cover



OPERATION

When the remote control is first operated all buttons transmit commands for the set-top box. The exact button function will depend on your specific service provider. Point the remote control towards the front of the set-top box when pressing a remote control button to ensure correct operation. Do not cover the IR window at the front of the product.

When a button on the remote is pressed either the set-top box standby button will flash (or TV standby button if a TV brand has been entered) depending on which product is being controlled by the remote control.

If a button is pressed for more than 30 seconds the remote control will stop transmitting commands in order to preserve battery life.

TV control setup: Brand Search

The remote control can also be programmed to operate certain functions of your TV set. To programme this functionality then perform the following instructions in sequence. *In case of a mistake, the process can be exited at any point by pressing and holding the **Text/SHIFT** button and then at the same time pressing the **STOP** button. The remote control will revert to normal operation and no TV brand code will be stored.*

1. Determine the manufacturer of your TV set
2. Look up the 4-digit manufacturer code supplied in this manual and make a note of this code
3. Make sure your TV set is turned on. (The set-top box does not need to be turned on to perform this programming feature)
4. Press and hold both the **1** and the **3** buttons at the same time on the remote control for approximately 3 seconds until the TV standby button remains lit, then release both buttons
5. Now enter the 4 digit manufacturer code for your TV set. On each digit entry the TV standby button will flash. On entry of the 4th digit the TV standby button will flash then remain lit
6. Point the remote control at the TV set and press and hold down the **TV Standby Button** or the **Mute** button on the remote control
7. When the TV either turns off or brings up the MUTE symbol on screen, then release that button. This may take a few minutes to happen
8. Press and hold the **Text/SHIFT** button and then at the same time press the **STOP** button to finish setting up the TV control mode.

The TV standby button will go out. The TV control function is now programmed into the remote control.

The following buttons should now operate the TV set:

TV Standby, AV source select, Volume Up, Volume Down, Mute

If not all the above mentioned buttons operate the TV set then a **KEY FIX** operation can be performed. (See page 8).

Should the TV model be changed and the remote control requires re-programming then repeat the above setup procedure with the new TV.

Should the TV brand be not successfully found by the remote control then the TV standby button will flash rapidly and the remote control will revert to normal operation. No TV brand code will be stored.

TV control setup: Auto Search

Should the TV brand not be successfully found by the previous **Brand Search** method then **Auto Search** can be used.

Caution: this process may take a long time to find your TV code (in cases up to 5 minutes)

Make sure your TV set is turned on. (The set-top box does not need to be turned on to perform this programming feature)

1. Press and hold both the **1** and the **3** buttons at the same time on the remote control for approximately 3 seconds until the TV standby button remains lit, then release both buttons
2. Point the remote control at the TV set and press and hold down the **TV Standby Button** or the **Mute** button on the remote control
3. When the TV either turns off or brings up the **MUTE** symbol on screen, then release that button. This may take up to 5 minutes to happen
4. Press and hold the **Text/SHIFT** button and then at the same time press the **STOP** button to finish setting up the TV control mode. The TV standby button will go out. The TV control function is now programmed into the remote control.

Should the TV brand be not successfully found by the remote control then the TV standby button will flash rapidly and the remote control will revert to normal operation. No TV brand code will be stored.

If even **Auto Search** fails to successfully setup operation of the TV set, then the remote is unable to control that particular TV set.

TV Shift functionality

When a TV brand has successfully been programmed into the remote control with the above steps, the following additional buttons may also control the TV set. These can be accessed by pressing and holding the TEXT/SHIFT button **20** on the remote control and at the same time pressing:

Digit buttons 0..9, Left, Right, Up, Down, OK, Channel Up, Channel Down, the 4 colour keys

Operation of these buttons is not guaranteed to control the normally expected functionality of the TV set.

Key Fix

If not all the previously mentioned buttons operate the TV set then a **KEY FIX** operation can be performed as follows.

1. Press and hold the **1** and **9** buttons simultaneously for approximately 3 seconds until the **TV standby button** is lit
2. Try all the above mentioned TV buttons
3. If the TV does not respond to a button, then hold that button down permanently. The remote control will now step through alternative settings. When the TV responds correctly then release that button
4. Repeat that procedure for other buttons if necessary
5. Once finished, press **TEXT/SHIFT** and **STOP** at the same time.

Removing TV functionality

To reset the remote control and erase the TV functionality

1. Press and hold the **1** and **6** buttons simultaneously for approximately 3 seconds until the **TV standby button** is lit
2. Enter the following key sequence in the correct order
9 9 6
3. The TV settings will be deleted from the remote control.

Brand	Code	Brand	Code	Brand	Code	Brand	Code
A.R. Systems	0012	Anam	0146	Baur	0331	Bush	0445
Abex	0014	Anam National	0147	Baysonic	0333	Byd:sign	0448
ABS	0016	Andersson	0148	Bazin	0335	C-Tech	0449
Accent	0019	Anglo	0151	Beaumark	0340	Caihong	0462
Acer	0028	Anitech	0154	Beijing	0345	Caishi	0465
Acoustic Solutions	0032	Ansonic	0156	Beko	0346	Candle	0480
Action	0033	AOC	0165	Belcor	0348	Capsonic	0486
Acura	0036	Apex Digital	0170	Bell & Howell	0350	Carad	0488
ADA	0038	Apollo	0171	Belson	0355	Carena	0489
ADC	0040	Apple	0172	Belstar	0357	Carnivale	0491
Addison	0043	Arc En Ciel	0178	BenQ	0359	Carrefour	0492
Admiral	0046	Arcam	0179	Beon	0361	Carver	0494
Advent	0054	Ardem	0184	Berthen	0363	Cascade	0496
Adventura	0055	Aristona	0192	Best	0364	Casio	0499
Adyson	0058	ART	0199	Bestar	0368	Cathay	0501
AEG	0059	Arthur Martin	0200	Bestar-Daewoo	0369	CCE	0504
Agashi	0063	ASA	0202	Binatone	0378	Celebrity	0509
AGB	0064	Asberg	0205	Black Diamond	0384	Celera	0510
Aiko	0069	Astar	0218	Black Star	0386	Celestial	0511
Aim	0070	Astra	0221	Blackway	0388	Centrex	0516
Aiwa	0072	Asuka	0227	Blaupunkt	0390	Centrum	0519
Akai	0074	ATD	0229	Blue Sky	0395	Centurion	0520
Akashi	0075	Atlantic	0233	Blue Star	0396	Century	0521
Akiba	0078	Atori	0237	Boca	0399	CGE	0523
Akira	0079	Auchan	0240	Bondstec	0403	Changcheng	0526
Akito	0082	Audiosonic	0264	Boots	0405	Changfei	0527
Akura	0083	Audioton	0266	BPL	0413	Changfeng	0528
Alaron	0085	Audiovox	0268	Bradford	0414	Changhai	0529
Alba	0086	Audioworld	0269	Brandt	0416	Changhong	0530
Albatron	0087	Ausind	0276	Brilliant	0422	Chun Yun	0545
Alcyon	0093	Autovox	0280	Brinkmann	0423	Chunfeng	0546
Alienware	0099	Aventura	0287	Brionvega	0424	Chung Hsin	0547
Allorgan	0105	Awa	0296	Britannia	0425	Chunsun	0549
Allstar	0108	Axxon	0303	Brockwood	0430	Cimline	0552
America Action	0123	Baird	0311	Broksonic	0432	Cinex	0563
Amoi	0132	Bang & Olufsen	0314	Bruns	0435	Citizen	0567
Amplivision	0138	Barco	0319	BskyB	0436	City	0569
Ampro	0139	Basic Line	0325	BSR	0437	Clarion	0575
Amstrad	0140	Bastide	0327	BTC	0439	Clarivox	0576

Brand	Code
Clatronic	0581
Clayton	0582
CMS	0590
CMS Hightec	0591
Coby	0597
Commercial Solutions	0615
Concerto	0625
Concorde	0626
Condor	0627
Conia	0628
Conrowa	0634
Contec	0635
Continental Edison	0637
Cosmel	0647
Craig	0650
Crosley	0655
Crown	0658
CS Electronics	0663
CTC	0664
CTX	0665
Curtis	0666
Curtis Mathes	0667
CXC	0670
CyberPower	0674
Cybertron	0675
Cytron	0680
D-Vision	0684
Daewoo	0692
Dainichi	0694
Dansai	0699
Dantax	0702
Datsura	0703
Dawa	0707
Daytron	0710
De Graaf	0716
DEC	0717
Decca	0718
Deitron	0722
Dell	0725

Brand	Code
Denon	0731
Denver	0733
Desmet	0738
Diamant	0746
Diamond	0747
Diamond Vision	0748
Dick Smith Electronics	0750
Digatron	0751
Digihome	0758
Digiline	0759
Digital Life	0772
Digitex	0780
Digitor	0781
DirectV	0794
Dixi	0807
DL0810	
Domeos	0817
Dongda	0820
Donghai	0821
Drean	0832
DSE	0833
DTS	0837
Dual	0838
Dumont	0840
Durabrand	0842
Dux	0843
DVX	0847
Dwin	0848
DX Antenna	0849
Dynatron	0855
Easy Living	0860
Ecco	0864
ECE	0865
Elbe	0880
Elcit	0883
Electroband	0888
Electrograph	0889
Electrohome	0890
Elektra	0896

Brand	Code
Elfunk	0899
ELG	0900
Elin	0902
Elite	0903
Elman	0907
Elta	0910
Emerson	0917
Emperor	0921
Emprex	0922
Envision	0933
Enzer	0934
Epson	0937
Erres	0942
ESA	0943
ESC	0945
Etron	0949
Eurofeel	0954
EuroLine	0955
Euroman	0956
Europa	0957
Europhon	0959
Evesham	0972
Evolution	0973
Excello	0975
Expert	0976
Exquisit	0978
Feilang	0990
Feilu	0991
Feiyue	0993
Fenner	0994
Ferguson	0996
Fidelity	0998
Filsai	1000
Finlandia	1003
Finlux	1004
Firstline	1008
Fisher	1009
Flint	1014
FNR	1016

Brand	Code
Formenti	1023
Formenti-Phoenix	1024
Fortress	1027
Fraba	1030
Friac	1040
Frontech	1042
Fujitsu	1052
Fujitsu General	1053
Fujitsu Siemens	1054
Funai	1056
Furichi	1058
Futronic	1061
Futuretech	1064
Galaxi	1068
Galaxis	1069
Gateway	1076
GBC	1078
GE	1081
Geant Casino	1082
GEC	1083
Geloso	1087
General Technic	1095
Genesis	1096
Genexxa	1097
Giant	1113
Gibraltar	1114
Go Video	1126
Goldfunk	1135
GoldHand	1136
Goldline	1138
GoldStar	1140
Goodmans	1142
Gorenje	1144
GP	1147
GPM	1149
GPX	1150
Gradiente	1151
Graetz	1152
Granada	1154

Brand	Code	Brand	Code	Brand	Code	Brand	Code
Grandin	1156	Hitsu	1257	Interbuy	1376	Ken Brown	1499
Gronic	1160	Hoeher	1262	Interfunk	1377	Kendo	1500
Grundig	1162	Hongmei	1272	Internal	1379	Kennedy	1504
Grunkel	1164	Hornyphon	1277	International	1380	Kennex	1505
Grunpy	1165	Hoshai	1278	Intervision	1386	Kenwood	1507
Haaz	1172	Howard Computers	1281	Irradio	1396	Khind	1511
Haier	1175	HP	1283	IRT	1397	KIC	1512
Haihong	1176	Huafa	1287	Isukai	1402	Kingsley	1520
Halifax	1179	Huanghaimei	1288	ITC	1404	Kiota	1522
Hallmark	1180	Huanghe	1289	ITS	1405	Kioto	1523
Hampton	1183	Huanglong	1290	ITT	1406	Kiton	1525
Hankook	1188	Huangshan	1291	ITT Nokia	1407	KLH	1529
Hannspree	1189	Huanyu	1292	ITV	1408	KLL	1531
Hanseatic	1190	Huari	1294	Janeil	1414	Kloss	1532
Hantarex	1192	Humax	1298	JBL	1420	Kneissel	1535
Hantor	1193	Hush	1304	JCB	1421	Kolin	1541
Harley Davidson	1197	Hygashi	1308	Jean	1424	Kolster	1543
Harman/Kardon	1198	Hyper	1309	JEC	1426	Konig	1547
Harvard	1202	Hypson	1312	Jensen	1429	Konka	1548
Harwa	1203	Hyundai	1315	Jiahua	1435	Korpel	1552
Harwood	1204	Iberia	1320	Jinfeng	1438	Korting	1554
Hauppauge	1206	iBUYPOWER	1322	Jinhai	1439	Kosmos	1557
Havermy	1208	ICE	1324	Jinxing	1442	Koyoda	1561
HCM	1210	ICeS	1325	JMB	1445	KTV	1572
Helios	1219	iLo	1341	JNC	1446	Kunlun	1578
Hello Kitty	1221	Imperial	1346	Jocel	1448	Kuro	1579
Hema	1222	Indesit	1349	Jubilee	1460	Kyoshu	1583
Hemmermann	1223	Indiana	1350	JVC	1464	Kyoto	1585
Hewlett Packard	1229	Infinity	1352	Kaisui	1471	L&S Electronic	1588
Hifivox	1233	InFocus	1353	Kamp	1475	LaSAT	1597
Higashi	1234	Ingelen	1354	Kangchong	1476	Lavis	1602
Highline	1236	Ingersol	1355	Kanghua	1477	Lecson	1606
Hikona	1237	Initial	1356	Kapsch	1483	Lenco	1615
Hinari	1243	Inno Hit	1358	Karcher	1484	Lenoir	1617
Hisawa	1247	Innova	1359	Kathrein	1486	Lesa	1622
Hisense	1249	Innovation	1360	Kawa	1487	Lexsor	1626
Hitachi	1251	Inotech	1364	Kawasho	1489	Leyco	1627
Hitachi Fujian	1252	Insignia	1368	KDS	1494	LG	1628
Hitec	1253	Inteq	1373	KEC	1496	Liesenk & Tter	1630

Brand	Code
Liesenkotter	1631
Lifetec	1633
Linksys	1640
Lloyd's	1648
Local India TV	1653
Local Malaysia TV	1656
Lodos	1659
Loewe	1660
Logik	1661
Logix	1663
Luma	1674
Lumatron	1676
Lux May	1680
Luxman	1682
Luxor	1683
LXI	1686
M Electronic	1688
Madison	1698
MAG	1701
Magnadyne	1702
Magnafon	1703
Magnasonic	1704
Magnavox	1706
Magnin	1708
Magnum	1709
Majestic	1713
Mandor	1717
Manesth	1718
Manhattan	1719
Marantz	1724
Marelli	1729
Mark	1731
Mascom	1738
Mastro	1743
Masuda	1744
Matsui	1750
Matsushita	1751
Maxdorf	1756
Maxent	1757

Brand	Code
Maxim	1759
McMichael	1768
Meck	1775
Media Center PC	1777
Mediator	1784
Medion	1787
Medison	1788
Megapower	1791
MEGATRON	1795
MEI	1796
Melvox	1799
Memorex	1800
Memphis	1802
Mercury	1804
Mermaid	1806
Metronic	1809
Metz	1810
MGA	1811
Micromaxx	1822
Microsoft	1826
Microstar	1827
MicroTEK	1829
Midland	1831
Mikomi	1833
Minato	1835
Mind	1837
Minerva	1838
Minoka	1840
Mintek	1845
Minutz	1847
Mitsubishi	1855
Mivar	1857
Monivision	1872
Morgan's	1875
Motion	1877
Motorola	1878
MTC	1889
MTEC	1890
MTlogic	1892

Brand	Code
Mudan	1896
Multistandard	1904
Multitec	1906
Multitech	1907
Murphy	1911
Musikland	1915
Myryad	1922
NAD	1926
Naiko	1930
Nakimura	1933
Naonis	1936
NAT	1941
National	1942
NEC	1950
Neckermann	1951
NEI	1952
Nesco	1960
Netsat	1966
NetTV	1967
Network	1968
Neufunk	1970
New Tech	1979
New World	1980
Newave	1981
Nicamagic	1994
Nikkai	1998
Nikkei	1999
Nikko	2000
Nintaus	2006
Niveus Media	2012
Noblex	2013
Nobliko	2014
Nogamatic	2016
Nokia	2017
Norcent	2020
Nordic	2021
Nordmende	2022
Normerel	2024
Northgate	2027

Brand	Code
Norwood Micro	2029
Novatronic	2035
NTC	2045
Nu-Tec	2048
NuVision	2053
Oceanic	2061
Okano	2065
Olevia	2067
Omni	2074
Onida	2081
Onimax	2082
Onwa	2087
Opera	2090
Oppo	2092
Optimus	2095
Optoma	2097
Optonica	2099
Orbit	2103
Orion	2111
Online	2113
Ormond	2114
Orsowe	2116
Osaki	2118
Osio	2121
Oso	2122
Osume	2123
Otic	2125
Otto Versand	2126
Pacific	2135
Packard Bell	2138
Pael	2140
Palladium	2145
Palsonic	2147
Panama	2149
Panasonic	2153
Panavision	2154
Panda	2155
Pathe Cinema	2168
Pathe Marconi	2169

Brand	Code	Brand	Code	Brand	Code	Brand	Code
Pausa	2171	Proton	2288	Robotron	2401	Shaofeng	2549
Peng Sheng	2181	Protron	2289	Rolson	2410	Sharp	2550
Penney	2182	Proview	2290	Rowa	2416	Shencai	2553
Perdio	2185	ProVision	2291	Royal Lux	2420	Sheng Chia	2554
Perfekt	2186	Pulsar	2296	Runco	2423	Shenyang	2555
Petters	2189	Pye	2302	Saba	2429	Sherwood	2557
Philco	2192	Pymi	2304	Sagem	2434	Shintoshi	2564
Philharmonic	2194	Qingdao	2308	Saisho	2437	Shivaki	2567
Philips	2195	Quasar	2320	Saivod	2439	Shogun	2568
Phocus	2198	Quelle	2322	Salora	2443	Shorai	2569
Phoenix	2199	Questa	2324	Sambers	2445	Siam	2572
Phonola	2201	R-Line	2327	Sampo	2446	Siarem	2573
Phonotrend	2202	Radialva	2329	Samsung	2448	Siemens	2574
Pilot	2207	Radiola	2330	Samsux	2449	Siera	2576
Pioneer	2212	Radiomarelli	2331	Sandra	2454	Siesta	2577
Pionier	2213	Radionette	2332	Sansui	2458	Signature	2582
Plantron	2219	RadioShack	2333	Sanyo	2462	Silva	2591
Playsonic	2224	Radiotone	2334	Sanyuan	2464	Silva Schneider	2592
Polaroid	2230	Rank	2345	SBR	2492	Silver	2594
Poppy	2236	Rank Arena	2346	Sceptre	2498	SilverCrest	2595
Portland	2238	RBM	2350	Schaub Lorenz	2500	Simpson	2598
Powerpoint	2241	RCA	2351	Schneider	2501	Singer	2599
Precision	2244	Realistic	2354	Scimitsu	2505	Sinotec	2600
Premier	2248	Recco	2358	Scotch	2506	Sinudyne	2601
President	2250	Recor	2359	Scott	2508	Skantic	2605
Prima	2253	Rectiligne	2362	Sears	2514	SKY	2610
Princeton	2258	Rediffusion	2364	Seaway	2515	Skysonic	2627
Prinston	2259	Redstar	2366	Seelver	2520	Skyworth	2631
Prinz	2260	Reflex	2368	SEG	2522	SLX	2638
Prism	2261	Relisys	2374	SEI	2524	Sogera	2649
Profex	2269	Remotec	2377	Sei-Sinudyne	2525	Solavox	2654
Profilo	2272	Reoc	2379	Seleco	2528	Sole	2655
Profitronic	2273	Revox	2383	Semivox	2529	Sonawa	2663
Proline	2274	Rex	2385	Semp	2530	Soniko	2669
Promax	2275	RFT	2386	Sencora	2531	Sonitron	2671
Proscan	2279	Rhapsody	2387	Sentra	2534	Sonneclair	2673
Proscoc	2280	Ricavision	2388	Serie Dorada	2538	Sonoko	2675
Prosonic	2282	Rinex	2392	Serino	2539	Sonolor	2676
Protech	2284	Roadstar	2398	Shanghai	2547	Sontec	2677

Brand	Code
Sony	2679
Sound & Vision	2680
Soundesign	2684
Soundwave	2689
Sova	2690
Sowa	2691
Soyea	2692
Soyo	2693
Spectroniq	2701
Squareview	2703
SSS	2708
Stack 9	2710
Standard	2713
Starlite	2728
Stenway	2739
Stern	2741
Strato	2745
Strong	2748
Studio Experience	2750
Stylandia	2752
SunBrite	2759
Sunkai	2762
Sunny	2764
Sunstar	2768
Sunwood	2772
Superla	2782
Superscan	2786
Supersonic	2787
SuperTech	2789
Supervision	2791
Supra	2792
Supre-Macy	2794
Supreme	2795
Susumu	2797
Sutron	2798
SVA	2800
Svasa	2801
Swisstec	2806
Sydney	2808

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Sylvania	2809
Symphonic	2810
Synco	2811
Syntax	2814
Sysline	2815
Systemax	2817
Sytong	2820
Tacico	2823
Tactus	2825
Tagar Systems	2831
Taishan	2835
Talent	2838
Tandberg	2842
Tandy	2843
Tashiko	2850
Tatung	2852
TCL	2856
TCM	2857
Teac	2860
Tec	2861
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Techica	2865
Technema	2866
Technica	2868
Technics	2869
Technika	2870
TechniSat	2873
Technisson	2874
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Techview	2883
Techwood	2884
Tecnimagen	2885
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Tedelex	2889
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Teknika	2895
Teleavia	2901
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Telefunken	2914
Telefusion	2915
Telegazi	2917
Telemeister	2924
Telesonic	2930
Telestar	2931
Teletech	2934
Teleton	2935
Televideon	2938
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Temco	2946
Tennessee	2952
Tensai	2954
Tenson	2955
Tevion	2962
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Thomas	2971
Thomson	2972
Thorn	2974
TMK	2994
TML	2995
TNCi	2996
Tobo	2999
Tokai	3001
Tokaido	3002
Tokyo	3004
Tomashi	3006
Topline	3016
Toshiba	3021
Totevision	3024
Touch	3025
Towada	3028
Toyoda	3030
Trakton	3036
Trans Continens	3037
TRANS-continents	3039
Transonic	3041
Transtec	3042

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Triad	3049
Trident	3054
Tristar	3057
Triumph	3058
TVS	3081
TVTEXT 95	3082
Uher	3089
Ultra	3093
Ultravox	3095
Unic Line	3100
United	3106
Universal	3113
Universum	3115
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US Logic	3124
Vector Research	3137
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Videologic	3165
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Viore	3192
Visiola	3197
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Vortec	3217	Zanussi	3349	Tesmet	3550	Kangwei	4115
Voxson	3220	Zenith	3356	Aomni	3555	Layco	4117
Vue	3225	ZhuHai	3364	Chimei	3563	Multisystem	4121
Waltham	3230	Zonda	3369	Digital Lifestyles	3567	Okana	4122
Wards	3231	ZT Group	3370	YU-MA-TU	3603	Oulin	4123
Watson	3233	Arena	3375	Bork	3615	Prandoni Prince	4125
Watt Radio	3234	G-Hanz	3397	iDEAL	3641	Profekt	4126
Waycon	3237	I-Inc	3462	JTV	3645	Radio	4128
Wega	3238	TruTech	3467	Meletronic	3654	Shanshui	4133
Wegavox	3239	Aftron	3470	Onn	3663	Songdian	4136
Welltech	3244	Dynex	3476	Tesla	3680	Srypton	4138
Weltblick	3245	Element	3477	Kenstar	3756	Teachimagen	4140
Weltstar	3247	Hanns.G	3478	Vistron	3773	Tiankeban	4142
Westinghouse	3249	RevolutionHD	3503	Pensonic	3778	Transfec	4143
Weston	3251	BGH	3507	Union	3781	Datron	4201
Wharfedale	3255	GVA	3510	DigiMax	3808	ShengCai	4217
White Westinghouse	3258	Princess	3514	GFM	3820	Ministry Of Sound	4247
Wilson	3260	Acme	3521	Mitsai	3851	Inspira	4296
Windsor	3265	Agazi	3522	Nortek	3862	O.K.Line	4301
Windstar	3266	Alkos	3523	Camper	3911	Onei	4302
Windy Sam	3267	Arcam Delta	3524	Nexus Electronics	3948	Polyvision	4304
Wintel	3271	Ayomi	3525	PARK	3951	Walker	4311
Wyse	3288	Blacktron	3526	BARON	3959	Moree	4565
Xenius	3297	Dual-Tec	3528	Morgans	3970	Nikai	4566
Xiahua	3299	Elbe-Sharp	3529	Ziggo	4007	Novex	4567
Xiangyu	3302	Electa	3530	Cameron	4032		
Xingfu	3305	ELECTRO TECH	3531	Gaba	4059		
Xinghai	3306	HiLine	3533	Nimbro	4065		
Xinrisong	3308	Interactive	3534	Quadro	4071		
XLogic	3310	Kamosonic	3535	Shinelco	4074		
Xoro	3315	LG/Goldstar	3536	VU	4078		
Xrypton	3317	Liesenk	3537	Catha	4094		
Xuelian	3320	Life	3538	Chuangjia	4096		
Yamaha	3326	Loewe Opta	3540	Duongjie	4101		
Yamishi	3328	Nordvision	3543	Fagor Life	4102		
Yokan	3335	ONCEAS	3544	Fenmenti	4103		
Yoko	3336	Quandra Vision	3546	Great Wall	4105		
Yorx	3340	Radio Shack	3547	Huijiaban	4108		
Yuhang	3345	RTF	3548	IR	4110		

