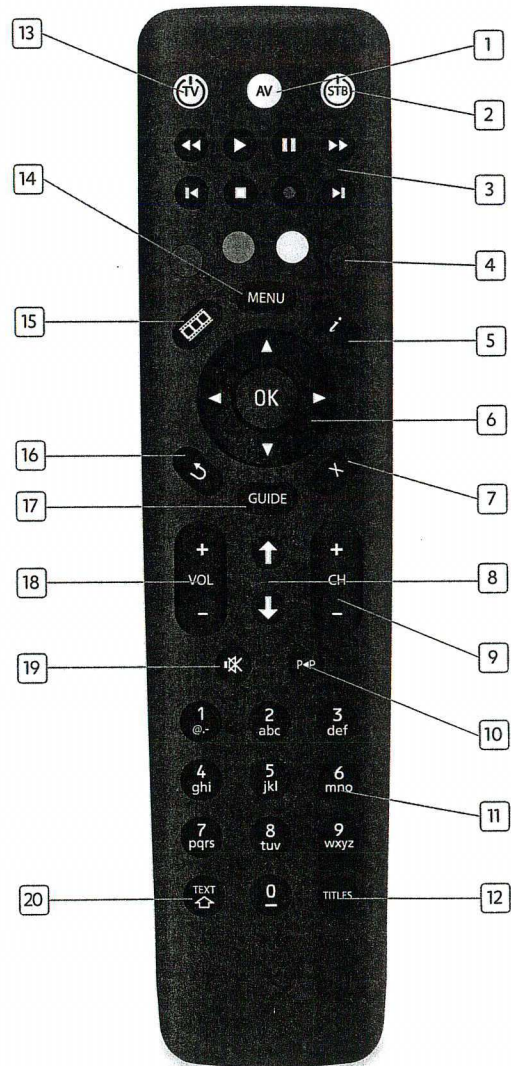


REMOTE CONTROL LAYOUT

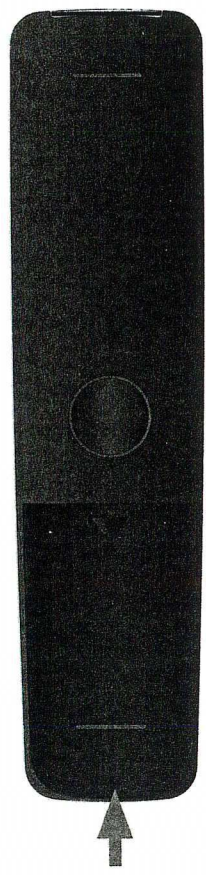
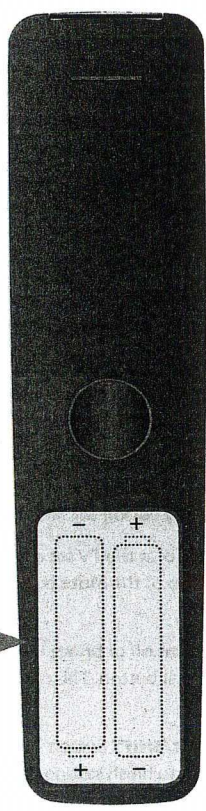
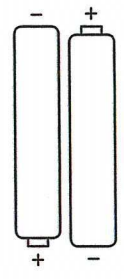
- 1 TV AV Source Select button
- 2 STB Standby button
- 3 STB PVR Transport buttons
- 4 Colour Navigation buttons
- 5 Information button
- 6 Navigation and OK buttons
- 7 Exit button
- 8 Page Up and Page Down buttons
- 9 Channel Up and Channel Down buttons
- 10 Previous Channel Select button
- 11 Channel 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)



Remove the battery cover
by sliding the cover
upwards 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	By:sign	0448
ABS	0016	Andersson	0148	Bazin	0335	C-Tech	0449
Accent	0019	Anglo	0151	Beaunmark	0340	Calliong	0462
ACEF	0028	Angitech	0154	Beijing	0345	Caisi	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
ACB	0064	Asberg	0205	Black Diamond	0384	Celera	0510
Alko	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	CCE	0523
Akita	0079	Auchan	0240	Bondstec	0403	Changcheng	0526
Akito	0082	Audioionic	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	Brillan	0422	Chun Yun	0545
Alcyon	0093	Autovox	0280	Brinkmann	0423	Chunfeng	0546
Alienware	0099	Aventura	0287	Briovvega	0424	Chung Hsin	0547
Allorgan	0105	Awa	0296	Britannia	0425	Chunsun	0549
Allstar	0108	Axxon	0303	Brookwood	0430	Cirmline	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	Clarton	0575
Amstrad	0140	Bastide	0327	BTC	0439	Clarivox	0576

Brand	Code	Brand	Code	Brand	Code	Brand	Code
Clatronic	0581	Denon	0731	Elfunk	0899	Formenti	1023
Clayton	0582	Denver	0733	ELC	0900	Formenti-Phoenix	1024
CMS	0590	Desmet	0738	Elin	0902	Fortress	1027
CMS Hightec	0591	Diamant	0746	Elite	0903	Fraba	1030
Coby	0597	Diamond	0747	Elman	0907	Friac	1040
Commercial Solutions	0615	Diamond Vision	0748	Elta	0910	Frontech	1042
Concerto	0625	Dick Smith Electronics	0750	Emerson	0917	Fujitsu	1052
Concorde	0626	Digatron	0751	Emperor	0921	Fujitsu General	1053
Condor	0627	Dighome	0758	Emprex	0922	Fujitsu Siemens	1054
Conia	0628	Digiline	0759	Envision	0933	Funai	1056
Conrowa	0634	Digital Life	0772	Enzer	0934	Furchi	1058
Contec	0635	Digitex	0780	Epson	0937	Furtronic	1061
Continental Edison	0637	Digitor	0781	Erres	0942	Futuretech	1064
Cosmel	0647	DirectV	0794	ESA	0943	Galaxi	1068
Craig	0650	Dixi	0807	ESC	0945	Galaxis	1069
Crosley	0655	DL0810		Etron	0949	Gateway	1076
Crown	0658	Domeos	0817	Eurofeel	0954	GBC	1078
CS Electronics	0663	Dongda	0820	EuroLine	0955	GE	1081
CTC	0664	Donghai	0821	Euroman	0956	Geant Casino	1082
CTX	0665	Drean	0832	Europa	0957	GEC	1083
Curtis	0666	DSE	0833	Europhon	0959	Geloso	1087
Curtis Mathes	0667	DTS	0837	Evesham	0972	General Technic	1095
CXC	0670	Dual	0838	Evolution	0973	Genesis	1096
CyberPower	0674	Dumont	0840	Excello	0975	Genexxa	1097
Cybertron	0675	Durbrand	0842	Expert	0976	Giant	1113
Cytron	0680	Dux	0843	Exquisit	0978	Gibrater	1114
D-Vision	0684	DVX	0847	Fellang	0990	Go Video	1126
Daewoo	0692	Dwin	0848	Fellu	0991	Goldfunk	1135
Dainichi	0694	DX Antenna	0849	Felyue	0993	GoldHand	1136
Dansai	0699	Dynatron	0855	Fenner	0994	Coldline	1138
Dantax	0702	Easy Living	0860	Ferguson	0996	ColdStar	1140
Datsura	0703	Ecco	0864	Fidelity	0998	Goodmans	1142
Dawa	0707	ECE	0865	Filsai	1000	Gorenje	1144
Daytron	0710	Elbe	0880	Finlandia	1003	GP	1147
De Graaf	0716	Elicit	0883	Finlux	1004	GPM	1149
DEC	0717	Electroband	0888	Firstline	1008	GPX	1150
Decca	0718	Electrograph	0889	Fisher	1009	Gradiente	1151
Deifron	0722	Electrohome	0890	Flint	1014	Graetz	1152
Dell	0725	Elektra	0896	FNR	1016	Granada	1154

Grandin	1156	Hitsu	1257	Interbuy	1376	Ken Brown	1499
Gronic	1160	Hoehner	1262	Interfunk	1377	Kendo	1500
Grundig	1162	Hongmei	1272	Internal	1379	Kennedy	1504
Grunkel	1164	Hornophon	1277	International	1380	Kennex	1505
Grunpy	1165	Hoshai	1278	Intervision	1386	Kenwood	1507
Haaz	1172	Howard Computers	1281	Irradio	1396	Kind	1511
Haier	1175	HP	1283	IRT	1397	KIC	1512
Haihong	1176	Huafa	1287	Isukai	1402	Kingsley	1520
Halifax	1179	Huanghaimel	1288	ITC	1404	Klota	1522
Hallmark	1180	Huanghe	1289	ITS	1405	Kloto	1523
Hampton	1183	Huanglong	1290	ITT	1406	Klton	1525
Hankook	1188	Huangshan	1291	ITT Nokia	1407	KLH	1529
Hanspree	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
Hauptpaug	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	1448	Kyoshu	1583
Hemmermann	1223	Indiana	1350	JVC	1460	Kyoto	1585
Hewlett Packard	1229	Infinity	1352	Kaisui	1471	L&S Electronic	1588
Hifvox	1233	Infocus	1353	Kamp	1475	LaSAT	1597
Higashi	1234	Ingelen	1354	Kangchong	1476	Lavis	1602
Higline	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	Lessa	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	Liesen & Tter	1630

Liesenkotter	1631	Brand	1759	Mudan	1896	Brand	2029
Lifetec	1633	Maxim	1768	Multistandard	1904	Normwood Micro	2029
Linksys	1640	McMichael	1775	Multitec	1906	Novatronic	2035
Lloyd's	1648	Media Center PC	1777	Multitech	1907	NTC	2045
Local India TV	1653	Mediator	1784	Murphy	1911	Nu-Tec	2048
Local Malaysia TV	1656	Medion	1787	Musikland	1915	NuVision	2053
Lodos	1659	Medison	1788	Myryad	1922	Oceanic	2061
Loewe	1660	Megapower	1791	NAD	1926	Okano	2065
Logik	1661	Megatron	1795	Naiko	1930	Olevia	2067
Logix	1663	MEI	1796	Naikura	1933	Orni	2074
Luma	1674	Melvox	1799	Naonis	1936	Onida	2081
Lumatron	1676	Memorex	1800	National	1941	Onlmax	2082
Lux May	1680	Memphis	1802	NAT	1942	Onwa	2087
Luxman	1682	Mercury	1804	NEC	1950	Opera	2090
Luxor	1683	Mermaid	1806	Neckermann	1951	Oppo	2092
LXI	1686	Metronic	1809	NEI	1952	Optimus	2095
M Electronic	1688	Metz	1810	Nesco	1960	Optoma	2097
Madison	1698	MGA	1811	Netsat	1966	Optonica	2099
MAC	1701	Micromaxx	1822	NetTV	1967	Orbit	2103
Magnadyne	1702	Microsoft	1826	Network	1968	Orion	2111
Magnafon	1703	Microstar	1827	Neufunk	1970	Online	2113
Magnasonic	1704	MicroTEK	1829	New Tech	1979	Ormond	2114
Magnavox	1706	Midland	1831	New World	1980	Orsowe	2116
Magnin	1708	Mikomi	1833	Newave	1981	Osaki	2118
Magnum	1709	Minato	1835	Nicamagic	1994	Oso	2121
Majestic	1713	Mind	1837	Nikkai	1998	Osume	2122
Mandor	1717	Minerva	1838	Nikkei	1999	Otic	2123
Manesth	1718	Minoka	1840	Nikko	2000	Otto Versand	2125
Manhattan	1719	Mintek	1845	Nintaus	2006	Pacific	2126
Marantz	1724	Minutz	1847	Nivus Media	2012	Packard Bell	2135
Marrelli	1729	Mitsubishi	1855	Noblex	2013	Pael	2138
Mark	1731	Mivar	1857	Nobliko	2014	Palladium	2140
Mascom	1738	Morivision	1872	Nogamatic	2016	Palsonic	2145
Mastro	1743	Morgan's	1875	Nokia	2017	Panasonic	2147
Masuda	1744	Motion	1877	Norcent	2020	Panama	2149
Matsui	1750	Motorola	1878	Nordic	2021	Panasonic	2153
Matsushita	1750	MTEC	1889	Nordmende	2022	Panavision	2154
Maxdorf	1756	MTI	1890	Nornerel	2024	Panda	2155
Maxent	1757	MTIlogic	1892	Northgate	2027	Pathe Cinema	2168
						Pathe Marconi	2169

Brand	Code	Brand	Code	Brand	Code	Brand	Code
Pausa	2171	Proton	2288	Robotron	2401	Shao Feng	2549
Peng Sheng	2181	Proton	2289	Rolson	2410	Sharp	2550
Penney	2182	Proview	2290	Rowa	2416	Shencai	2553
Perdo	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
Philico	2192	Pymi	2304	Sagem	2434	Shintoshi	2564
Philharmonic	2194	Qingdao	2308	Saisho	2437	Shivaki	2567
Phillips	2195	Quasar	2320	Saiwod	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	Siarern	2573
Phonotrend	2202	Radiaiva	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	Redifusion	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	Serrino	2539	Sonorlor	2676
Protech	2284	Roadstar	2398	Shanghai	2547	Sontec	2677

Brand	Code	Brand	Code	Brand	Code	Brand	Code
Sony	2679	Sylvania	2809	Telefunken	2914	Triad	3049
Sound & Vision	2680	Symphonic	2810	Telediffusion	2915	Trident	3054
Soundesign	2684	Synco	2811	Telegazi	2917	Tristar	3057
Soundwave	2689	Syntax	2814	Telemester	2924	Triumph	3058
Sova	2690	Sysline	2815	Telesonic	2930	TVS	3081
Sowa	2691	Systemax	2817	Telestari	2931	TVTEXT 95	3082
Soyea	2692	Sylong	2820	Teletech	2934	Uher	3089
Soyo	2693	Tacico	2823	Teleton	2935	Ultra	3093
Spectroniq	2701	Tactus	2825	Televideon	2938	Ultravox	3095
Squareview	2703	Tagar Systems	2831	Televue	2939	Unic Line	3100
SSS	2708	Taishan	2835	Televiso	2941	United	3106
Stack 9	2710	Talent	2838	Tempco	2946	Universal	3113
Standard	2713	Tandberg	2842	Tennessee	2952	Universum	3115
Starlite	2728	Tandy	2843	Tensai	2954	Univox	3116
Stenway	2739	Tashiko	2850	Tenson	2955	US Logic	3124
Stern	2741	Tatung	2852	Tevion	2962	Vector Research	3137
Strato	2745	TCL	2856	Texet	2963	Venturer	3143
Strong	2748	TCM	2857	Thomas	2971	VEOS	3144
Studio Experience	2750	Teac	2860	Thomson	2972	Vestel	3148
Stylandia	2752	Tec	2861	Thorn	2974	Vexa	3149
SunBrite	2759	Tech Line	2863	TMK	2994	Vibrant	3154
Sunkai	2762	Technica	2865	TML	2995	Victor	3155
Sunny	2764	Technema	2866	TNCI	2996	Videoccon	3163
Sunstar	2768	Technica	2868	Tobo	2999	Videologic	3165
Sunwood	2772	Technics	2869	Tokai	3001	Videologicque	3166
Superla	2782	Technika	2870	Tokaido	3002	Videosat	3170
Superscan	2786	TechniSat	2873	Tokyo	3004	VideoSystem	3172
Supersonic	2787	Technisat	2873	Tomashi	3006	Videotechnic	3173
SuperTech	2789	Technisat	2874	Tomashi	3006	Videotechnic	3173
Supervision	2791	Technol Ace	2875	Topline	3016	Videon	3174
Supra	2792	Technosonic	2878	Toshiba	3021	Vidikron	3178
Supre-Macy	2794	Technosonic	2883	Totevision	3024	Vidtech	3179
Susumu	2797	Teco	2884	Touch	3025	Viewsonic	3186
Sutron	2798	Tedelex	2885	Towada	3028	Viking	3188
SVA	2800	Tek	2886	Toyoda	3030	Viore	3192
Svasa	2801	Teknika	2889	Trakon	3036	Visiola	3197
Swisstec	2806	Televia	2895	TRANS-continens	3037	Vision	3198
Sydnev	2808	Telecor	2901	TRANS-continens	3039	Vistar	3207
			2910	Transonic	3041	Vizio	3211
				Transtec	3042	Voodoo	3215

Brand	Code	Brand	Code	Brand	Code	Brand	Code
Vortec	3217	Zanussi	3349	Tesmet	3550	Kangwei	4115
Voxson	3220	Zenith	3356	Aomni	3555	Layco	4117
Vue	3225	ZhuHai	3364	Chimei	3563	Multisystem	4121
Walham	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	Melectronic	3654	Shanshui	4133
Wegavox	3239	Afron	3470	Onn	3663	Songdian	4136
Welltech	3244	Dynex	3476	Tesla	3680	Srypton	4138
Welblick	3245	Element	3477	Kenstar	3756	Teachimgen	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	Onel	4302
Windy Sam	3267	Arcam Delta	3524	Nexus Electronics	3948	Polyvision	4304
Wintel	3271	Ayorni	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	Hilline	3533	Nimbro	4065		
Xinrong	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	3538	Duonjie	4101		
Yamishi	3328	Nordvision	3540	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		