

ruwido

**Hotel Remote Control RC 12110**  
**type no. 2299-1059**

**Manual,**  
**Code List, Brand List**

**Revision Status**

<b>Version</b>	<b>Creation Date</b>	<b>Author</b>	<b>Remarks</b>
1	14.4.2014	M. Podolsky	Initial version
2	13.6.2014	M. Podolsky	new Hotel PC Software
3	20.4.2015	M. Podolsky	changed to RC12110 model
4	20.10.2016	M. Podolsky	change to new CI and new code list sorting

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## Contents

<b>1</b>	<b>Key description</b>	<b>3</b>
<b>2</b>	<b>Programming of the TV database</b>	<b>4</b>
2.1	Start Programming Mode	4
2.2	1001 – code search	4
2.3	1003 – brand code search	4
2.4	xxxx Direct Programming	4
2.5	0002 Query the stored 4-digit code	5
2.6	0006 – Key lock / unlock	5
2.7	0007 – Code lock	5
2.8	0000 – Reset	5
<b>3</b>	<b>Activation for special hotel channels</b>	<b>6</b>
3.1	Start Programming Mode	6
3.2	Setup	6
3.3	Adjust sending time	6
3.4	Adjusting break time	7
<b>4</b>	<b>Copying function</b>	<b>8</b>
4.1	Connection status	8
4.2	Copy configuration from master to slave	9
4.3	Special master file created by ruwido	9
<b>5</b>	<b>Brand List</b>	<b>10</b>
<b>6</b>	<b>Code List</b>	<b>15</b>

# 1 Key description

Key. Nr	Printing/ Function	TV mode
1	TV Power	TV Power (DB)
2	1	T1 (DB)
3	2	T2 (DB)
4	3	T3 (DB)
5	4	T4 (DB)
6	5	T5 (DB)
7	6	T6 (DB)
8	7	T7 (DB)
9	8	T8 (DB)
10	9	T9 (DB)
11	i	TM (DB)
12	0	T0 (DB)
13	AV	AV (DB)
14	info	Info (DB)
15	list	FAV (DB)
16	epg	EPG (DB)
17	Cursor up	Cursor up (DB)
18	Cursor left	CursorLeft (DB)
19	OK	OK (DB)
20	Cursor right	CursorRight (DB)
21	Cursor down	Cursor down (DB)
22	tv/radio	tv/radio (DB)
23	exit	EXIT (DB)
24	clock	clock/sleep (DB)
25	red	Rot (DB)
26	green	Grün (DB)
27	yellow	Gelb (DB)
28	blue	Blau (DB)
29	Vol+	LautP (DB)
30	mute	Mute (DB)
31	Ch+	ProgP (DB)
32	Vol-	LautM (DB)
33	menu	Menu (DB)
34	Ch-	ProgM (DB)
35	TXT on	TextEin (DB)
36	TXT off	TextAus (DB)
37	16:09	16:9 (DB)
38	alarm	alarm (DB)
39	fast rewind	REW (DB)
40	play / pause	Play (DB) / Pause (DB)*
41	stop	Stop (DB)
42	fast forward	FFW (DB)



\* Short/Long key press (short = < 1,5 sec)

## 2 Programming of the TV database

The remote exits the programming mode after 10 sec. of inactivity.

### 2.1 Start Programming Mode

Long press (longer than 3 sec.) the Mute key and the OK key simultaneously till green LED blinks twice.

### 2.2 1001 – code search

- Start programming mode.
- Enter the code **1001**; the green LED blinks 2x for code OK or the red LED lights for 2 sec. in the case of wrong code.
- Press the **"Power"** key and keep it pressed till the TV set switches off.
- The key **"OK"** saves the current code.
- The key **"EXIT"** quits the code search without saving
- The end of database will be indicated by 5x blinks of the red LED.
- In the case the code search was interrupted, a following search will start with the next to stop code and not at the beginning of the database.

### 2.3 1003 – brand code search

- Start programming mode.
- Enter the code **1003**; the green LED blinks twice.
- Enter the 3-digit code of the brand/manufacturer; the green LED blinks 2x for code OK or the red LED lights for 2 sec. in the case of wrong code.
- Press the **"Power"** key and keep it pressed till the TV set switches off.
- The key **"OK"** saves the current code.
- The key **"EXIT"** quits the brand code search without saving
- The end of brand table will be indicated by 5x blinks of the red LED.

### 2.4 xxxx Direct Programming

- Start programming mode.
- Enter the 4-digit code for your TV set (from code list, one after the other); the green LED blinks twice for a correct code or lights two sec. in red for a not existent code.

## 2.5 0002 Query the stored 4-digit code

- Start programming mode.
- Enter the code **0002**; the green LED blinks twice.
- Press "1" for the first digit, "2" for the second, "3" for the third digit and "4" for the fourth and count the number of green LED flashes.  
There are no flashes for digit "0".

## 2.6 0006 – Key lock / unlock

- Start programming mode.
- Enter the code 0006; the green LED blinks twice.
- Press the keys that should be locked (one after the other) or unlocked; the green LED blinks once for a locked key and twice for a unlocked key
- Press the key "**Power**" to confirm and quit the key lock mode
- All keys except the Power key and number keys can be locked

## 2.7 0007 – Code lock

- Start programming mode.
- Enter the code 0007; the green LED blinks twice.
- The RC is locked against unintentional programming (the red LED lights for 2 sec. in case the programming mode is started)
- Repeat the same procedure to unlock a locked RC

## 2.8 0000 – Reset

- Start programming mode.
- Enter the code **0000**; the green LED blinks twice.
- The RC is set back to the default (default TV code programmed)

### 3 Activation for special hotel channels

Additionally to the normal operation of the ruwido RC12110 maximal 10 special hotel channels can be programmed on the following keys:

- red
- green
- yellow
- blue
- i
- menu
- exit
- text on
- tv
- info

After programming this function, 3 digit channel numbers will be sent. This can be used for activating individual info channels of the hotel.

#### 3.1 Start Programming Mode

Long press (longer than 3 sec.) the Mute key and the OK key simultaneously till green LED blinks twice.

#### 3.2 Setup

- Start programming mode.
- Enter the code **0 0 0 9**; the green LED blinks twice.
- Press the desired key on which this individual function should be programmed, this can be one of the above listed keys.
- Press 3 digits for the desired channel and confirm with OK key; the green LED blinks twice

#### 3.3 Adjust sending time

- Start programming mode.
- Enter the code **0 0 1 0**; the green LED blinks twice.
- Press the number key with the desired sending time:
  - number key 1 ... 100 milliseconds
  - number key 2 ... 200 milliseconds
  - number key 3 ... 300 milliseconds
  - number key 4 ... 400 milliseconds
  - number key 5 ... 500 milliseconds (this is the standard setting)
  - number key 6 ... 600 milliseconds
  - number key 7 ... 700 milliseconds
  - number key 8 ... 800 milliseconds
  - number key 9 ... 900 milliseconds

### 3.4 Adjusting break time

- Start programming mode.
- Enter the code **0 0 1 1**; the green LED blinks twice.
- Press the number key with the desired break time:
  - number key 1 ... 100 milliseconds (this is the standard setting)
  - number key 2 ... 200 milliseconds
  - number key 3 ... 300 milliseconds
  - number key 4 ... 400 milliseconds
  - number key 5 ... 500 milliseconds
  - number key 6 ... 600 milliseconds
  - number key 7 ... 700 milliseconds
  - number key 8 ... 800 milliseconds
  - number key 9 ... 900 milliseconds

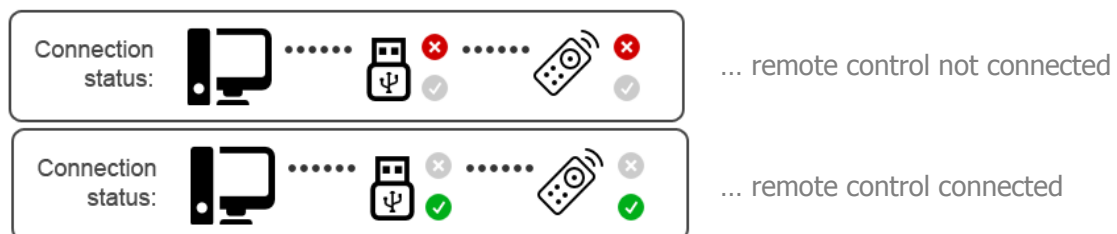
## 4 Copying function

It is possible to copy a "master" remote control that has been configured following the above described steps in section 1, 2 or 3 to several "slave" remote controls using the Hotel PC Software.



### 4.1 Connection status

Following symbols show the connection status:



No other functions can be used until the remote control is connected by the special red USB cable.



## 4.2 Copy configuration from master to slave



... this button is used to read the configuration from the master remote control



... this button is used to save the configuration in a file



... this button is used to open a saved configuration file



... this button is used to write the opened configuration into a slave remote control

## 4.3 Special master file created by ruwido

It is possible to manually create a special master file with a free configuration for every key of the ruwido hotel remote control. Ruwido just need to know which buttons of a certain original remote control should be assigned to which button of the ruwido hotel remote. An Excel sheet as a template for the configuration request can be provided. After having received the configuration request, ruwido will create a special programming file. After programming the programming file into a master remote, it can be even modified according to sections 1, 2 and 3 and saved again as described in item 4.

## 5 Brand List

<b>A</b>	
A.R.Systems	208
Admiral	140
Aeg	212
Airis	100
Aiwa	101
Akai	195
Akira	102
Akura	162
Alba	145
Altus	196
Anitech	148
Aoc	103
Arcelik	196
Arctic	141
Arena	165
Aristona	133
Astra	164
Audiosonic	161
<b>B</b>	
Basic Line	188
Baur	183
Beko	196
Belson	157
Blaupunkt	146
Blue Sky	192
Blusens	147
Brandt	151
Bush	177
<b>C</b>	
Changhong	119
Cinex	144
Clatronic	212
CMX/Commax	134
Continental Edison	121
Crosswood	201
Crown	164
Curtis	148
<b>D</b>	
Daewoo	203
Dangaard	115
Dantax	153
Dce	153
Decca	158
Denver	149
Dmtech	188
Dual	209
Durabrand	209

<b>E</b>	
Elbe	193
Elemis	154
Elta	164
Emerson	212
E-motion	118
Erres	137
Essentiel b	122
Euroline	153
<b>F</b>	
Fenner	166
Ferguson	207
Finlux	206
First Line	166
Fisher	116
Formenti	133
Fujitsu	104
Funai	209
<b>G</b>	
General	112
Goldstar	178
Goodmans	216
Graetz	200
Gran Prix	154
Granada	189
Grandin	200
Grundig	217
Grunkel	139
<b>H</b>	
Haier	135
Hanseatic	167
Hb	200
Hitachi	224
Höher	200
Humax	127
Hypson	162
Hyundai	163
<b>I</b>	
Imperial	125
Infratex	136
Ingelen	141
Interfunk	140
Intervision	148
Ipure	105
Irradio	166
Itt	173
<b>J</b>	
Jvc	168
<b>K</b>	
Karcher	154
Kendo	179
Keymat	106
Kneissel	129

<b>L</b>	
Lavis	120
Lenco	152
Lg	222
Lifetec	165
Loewe	155
Logik	117
Lumatron	208
Luxor	171

<b>M</b>	
M Electronics	126
Magnadyne	125
Magnum	208
Marantz	133
Mark	212
Mascom	144
Matsui	184
Medion	201
Melectronic	141
Metz	159
Mitsubishi	150
Mx Onda	107

<b>N</b>	
Nec	123
Neckermann	183
NEO	164
Nikkai	161
Nikkei	141
Nokia	197
Nordmende	185

<b>O</b>	
Oceanic	126
ODYS	142
Okii	176
Orion	220
Otava	108
Others	118
Otto Versand	204

<b>P</b>	
Palladium	208
Panasonic	198
Philco	140
Philips	225
Phocus	208
Phonola	148
Pioneer	190
Playsonic	205
Prima	148
Princess	161
Profilo	144
Proline	160
Prosonic	180
Provision	166
Pye	133

<b>Q</b>	
Quadro	176
Quelle	215

<b>R</b>	
Radiola	137
Radiotone	208
Rft	138
Roadstar	209

<b>S</b>	
Saba	186
Saivod	212
Salora	210
Samsung	223
Sansui	140
Sanyo	194
Schaub Lorenz	205
Schneider	221
Scott	109
Seg	191
Seleco	130
Sencor	124
Sharp	214
Shivaki	113
Siemens	143
Silva Schneider	211
SilverCrest	139
Sinudyne	172
Sky	181
Sky Media	199
Sogo	212
Sony	218
Soundcolor	162
Star	161
Sunkai	153
Sunstech	131
Supratech	128
Swisstec	181

<b>T</b>	
Tatung	158
Techline	191
Technica	188
Technical	188
Technics	114
Technika	169
Technisat	138
Technisson	141
Techwood	188
Tecnimagen	120
Teleavia	202
Telefunken	202
Telestar	154
Telesystem	119
Teletech	139
Television	144
Tensai	208
Tesla	162
Tevion	174
Thomson	213
Thorn	175
Toshiba	219
Trilux	129

<b>U</b>	
UMC	199
United	182
Universum	187

<b>V</b>	
Vestel	170
Videoton	110
VIVAX	156
Voxson	166

<b>W</b>	
Waltham	188
Watson	165
White Westinghouse	132
Windsor	139

<b>Y</b>	
Yamaha	111
Yoko	161

## 6 Code List

### A

A.R.Systems	1572	1349	1715	1690	1558	2295
	1688	1343				
AB IPBox	1617					
Accent	1160	1585	1511			
Acer	2241	2240				
Action	1160	2088	1572	1344		
ad notam	2316	2315	2237			
Admiral	1160	2271	1572	1349	1228	
Advent	1442	2226				
Adyson	1358	1572				
AEG	2158	1690	1665	1671	2259	1906
	1726	1699	1674	1664	1581	1517
Agashi	1572					
Agath	1905					
AgfaPhoto	2038	1863				
Aiko	1160					
AIM	1572	1585	1511			
Airis	2050	1848	2191	2112	2129	1840
Aiwa	1572	2247	1770	1753	1182	
Akai	1670	1498	1572	1160	1539	1662
	1482	1664	1560	1642	1485	1511
	1559	1558	1556	2102	2021	1983
	2302	1671	1581	1825	2147	2087
	2037	1678	1672	1668	1648	
Akira	1848	1585	1511	2249	2166	2164
	2158	1862				
Akura	1643	1572	1349	1160	1671	
Alba	1539	1559	1165	2263	1568	2181
	2085	1424	2271	2221	2102	1940
	1572	1514	1426	1349		
Albiral	1572	2273				
Alfa	1571					
Allstar	1690	1572				
Alphatronics	1829					
Alphatronik	1960					
Altek	2162					
Altus	1671	1581	1664	1662	1670	2264
	1542	1704	1663	1544		
American High	1344					
Americana	1344					
Amoi	2207					
Amstrad	1858	1160	1477	2288		
Andersson	1648					
Anglo	1349					
Anitech	1572	1358	1160	1558	1690	1349
Ansonic	1539	2263	1665	1559	1726	1699
	1690	1674	1648	1349	1160	
AOC	2144	2141	2143	2145	1572	
Apro	2128					
Aquavision	1857	1439				
Arc En Ciel	2300	2304				
Arcelik	1685	1581	1544	1542	1701	1671
	1684	2264	1670	1687	1664	
Arctic	1670	1581	1671	1664	1662	
Arena	1642	1671	1581	1664	1539	
Aristona	1558	1572	1560	1577	1511	1590
	1517					
Art Tech	1572					
Asberg	1572	2271				

Asora	1160					
Astra	1160	1671	1670	1664	1581	1572
Asuka	1349					
Atec	1440					
Atlantic	1572					
Atlas	1558					
Atoro	1160					
Audio Technica	1239					
Audiosonic	1671	1581	1572	1542	1160	1663
	1664	1544	1349			
Audioton	1160					
Audiovox	1572					
Aver Media	2168					
AviSMART	1645					
AWA	1160	1572				
Axxion	1160	1869				
<b>B</b>						
Bang & Olufsen	1779	1778				
Basic Line	1539	1559	1670	1662	2263	1665
	1664	1643	1572	2259	1972	1674
	1642	1571	1163			
Bauer	1228	2307	1560	1353		
Baur	1572	1751	1560	1661	1558	1160
	1770	2001	1585	1511	1477	2012
	1768	1979	1583	1623		
Baysonic	1349					
Beaulieu	1560					
BEC	2088	1572				
Becrese	2093	2088	2087	2012	1979	1572
Beko	1671	1670	1542	1664	1662	1581
	1544	1663	1704	2264	1687	1672
	1701	1684	1698	1685	1668	1539
	2261	2028	1694	2302	2263	2093
	2092	1667	1597	1529	1528	
Bell & Howell	1972	1572	1228			
Belson	2161	1823	2317	2258	2228	2204
	2121	2111	2042	2037	1909	1888
	1849	1832	1824	1783	1643	1569
	1527					
Benchmark-Beaumarck	1572	1344				
BenQ	2097					
Beon	2271	1572				
Bestar	1572	1160				
Bigston	1160					
Blackstripe	2012	1979	1972	1344		
Blaupunkt	2102	2104	2106	1718	2307	1560
	2300	1599	1558	1165	2304	1724
	1686	1684	1572			
Blautech	1705					
Blue Sky	1539	1581	1671	1559	1670	1643
	1514	2259	1726	1699	1690	1662
	1165	1664	1642	2263	1665	1610
	2264	2209	2125	1674	1648	1572
	1569	1471	1470	1466		
Blusens	1914	1948	1932	1933	1866	1881
	1872	2217	1843	1841	2125	1964
	1945	1877	1860			
Bosch	1560					
Boxford	1676	2196	1683			
Brandt	2304	2311	2300	2302	1470	2309
	1466	1704	2145	1670	1523	1228
	1671	1643	1619	1471		



Braun	2312					
Brendstar	1160					
Brignton	2037	1871	1837			
Brinkmann	2271					
Brionvega	1572	1717	2276	1560		
Brother	1349	1723				
Bruns	2279					
Bush	1539	1664	1559	1581	1165	2263
	1671	1426	2102	1568	1542	1670
	1428	2181	2141	1544	1528	2264
	1940	1572	1557	1529	1517	1349
	1340					

**C**

Campomatic	2016					
Capehart	1572					
Capsonic	1572	1349				
Caratec	2025					
Carrefour	1572					
Carver	1572					
Casio	1586	1930	1688			
Cathay	1572					
CCI	1890					
Celcus	1644					
cello	1867					
Centrum	1542					
Centurion	1572					
CGE	2271	1160				
CGM	1160					
Changhong 长虹	1982	2002	1989	2115	2116	
Charisma	1796					
Charpy	2054					
CIE	1858	1163	1160			
Cihan	1567					
Cimline	2181					
Cinex	1690	1726	1699	1674	1665	
Citizen	2012	1572	1344			
Clarivox	2294	2284	2269	1572		
Claton	1539	1559				
Clatronic	2271	1670	1671	1664	1662	1581
	1340	1695	1571	1160	1837	1721
	1663					
Claud	1560					
CMX/Commax	2183	1830	2159	1906	2165	2228
	2107	2100	2156	2119	2025	1346
Colortyme	1572	1344				
Combi	1840					
Computec	1695					
Computron	1572	1160				
Concorde	1160					
Condor	1160	2271	1572	1690		
Conia	1671					
Conic	2088	1572				
Conrac	2264	2257				
Constructa	1558					
Contec	1160					
Continental	1671	1664	1165	1581		
Continental Edison	2304	2300	2311	1165	1642	1647
	2158	2165	2124			
Corfung	1349					
Cosmel	1160					
Craig	1572					
Crosley	2088	1572				

Crosswood	1539	1671	1559	1704	1670	1664
	1581					
Crown	1671	1572	1160	1664	1670	1581
	1542	2272	2264	2125	2054	1698
	1694	1575	1544	1346	1228	
Crystal	1511	1560				
Curtis	1572	2271	2110	2012	1972	1710
	1344					
Cybercom	1542					
Cyberpix	1643					
<b>D</b>						
Daewoo	1182	1175	1181	1572	1179	1180
	1605	1178	1171	1160	1163	1873
	1542	1174	2319	1176	1173	1831
	1671	1177	1874	1598	2230	2128
	1688	1687	1664	1568	1560	1170
	1169					
Daichi	1160					
Daimond	1585	1511				
Dalco	2250	2249				
Dangaard	2173	2162	2037	1948	1944	1874
	1870	1868				
Dantax	1670	1662	1671	1664	1542	1589
	1581	1544	1514			
Davis	1560					
Dawa	1572					
Daytek	2233					
Daytron	1979					
DCE	1539	1608	1662	1581	1671	1664
	1559					
Decca	1572	1726	1699	1690	2287	1629
Dell	2253					
Denon	2057	1770	2242	1189		
Denver	2147	1944	1870	2146	1948	2101
	1874	2104	1859	2113	2027	1711
	2125	1941	1869	1863	2110	1983
	1939	1871	1837	1160		
Desmet	1572	1160				
Diamond	1160					
Diboss	1689	1695				
Digihome	1642	1647	1643	1523		
Digiline	2263	1558				
Digiloc	2002	1844				
Digital	1671	1544	1542			
Digital+	1542					
Digitech	1477	1539				
DIKOM	1906					
Dixi	1160	2279	1572			
DLD	2052					
DMTech	1539	1853	1642	1643	1650	1559
	2178	1722	1523			
DQT	2255	1886				
Dual	1477	1160	1568	1671	1670	1544
	1542	1643	1585	1572	1562	1511
	2181	2025	1642	1624	1610	1588
	1584	1581	1571			
Dumont	2281	2271				
Durabrand	1671	1544	1542	1670	1664	1643
	1581	1539				
Dynamic	1160					
Dynatron	2193					
Dynex	2199	2198				

<b>E</b>						
E-Max	2233	2129				
E-motion	2102	2106	2104	2109	2125	
easy touch	2118					
Eaton	1344					
ECG	2159	1983				
Ecron	1610	1539	1671	1863	1559	
Edison Minerva	1165					
Elbe	1539	1642	2195	1665	1671	1514
	1687	1571	1846	1674	2233	2200
	2125	2282	1648	1644	1616	1523
	1836	1695	1690	1677	1624	1581
	1559	1558	1544	1542	1528	
Elbit	1586	1560	1600	1567		
Elecs	1571					
Electric CO	2011					
Electric Mirror	2224					
Electro Tech	1160					
Electrohome	2088	1972	1642			
Elekta	1349	1160	1544	1542		
Elektronika	1573	1586	1572	1571		
Elemis	1690	1726	1699	1721	1642	1539
Elfunk	1514	1539	1523			
Elin	1690	1688	1572	1160		
Elite	2012	1972	1572	1344		
Elmak	2258	1576	1572	1532		
Elman	2281	2302				
Elta	1160	1671	1664	1581	1572	
Emerson	2192	1539	1670	1662	1671	1664
	1571	2120	1572	1559	1665	2294
	2263	2193	1674	1581		
enox	2037					
EON	1344					
Erres	1558	1572	1560	1577	1750	1578
	1511	2311	1517			
ESC	1572	1160				
Essentiel b	2229	2258	1983	1575	2148	2037
	1643	1512	1523			
Eternity	2102	2233	2106			
Etron	1160	1572				
Euro-Feel	1349					
Euroline	1670	1662	1671	1664	1542	1539
	2173	1643	1586	1581		
Euroman	1572	1349				
Europa	1671	1664	1581			
Europhon	2281	2282	2058	1572		
Everton	2102					
Excelsior	1517					
Expert	1487					
<b>F</b>						
Fenner	1160	1572	2263	1671	1664	1581
	1544	1542				
Ferguson	2286	2302	1560	2304	1572	2309
	1511	1466	2314	2307	2084	1768
	1585	1470	2177	2102	2019	2012
	1979	1751	1630	1507	2311	2287
	2093	2092	2088	2085	2001	1770
	1688	1616	1558	1509	1475	1196
Fidelis	1160	1572				
Filsai	1160					
Finlandia	1972	2309				

Finlux	1642	1643	1490	1501	1493	1644
	1539	1558	1482	1485	2271	2268
	1487	1671	1498	1662	1581	1629
	1726	1699	1690	1514	1664	1648
	1585	1523	1511	1483	2277	2236
	1677	1663	1572	1484	1160	
First Line	1539	1670	1559	1662	1572	1664
	1581	1558	1160	1972	2264	2263
	2156	1671	1643	1544	1163	1749
	1690	1642	1571	1542		
Fisher	2280	2279	1979	1972	1770	1976
	1975	1167				
Flint	1572					
Fluid	2232	2206	1438	1395		
Force	2233					
Formenti	1572	1571	1624	1560	1592	
Fortress	1228					
Frontech	1160	2309	1349			
Fujitsu	2264	1288	1771	1287		
Fujitsu Siemens	1899	2257	1771	1924		
Fulton	1715	1688				
Funai	2192	1539	1349	1642	1671	2256
	1771	1643	1581	1670	1664	1160
	2193	1879	1556	1555	1544	1542
<b>G</b>						
Galaxis	2271	1572				
Galaxy	2271					
Galeria	1160					
GBC	1160	1572				
GE	2309					
GEC	2088	1558	1770	1572		
Geloso	1160					
Gemsound	1160					
General	1684	1160	2249			
General Technic	1160					
Genexxa	1572					
Gericom	1439	2264	2214			
Giant	1572					
Gitem	1572	1511	1560	2304	2309	
GMG	2271	1160				
GoGEN	1647	1642				
Goldhand	1160					
Goldi	1560					
GoldStar	1572	1670	1688	1662	1693	1690
	2275	1856	1697	1664	1625	1165
	1669	1924	1511	1160	2088	1963
	1560	1375	1374	1349	1344	1157
Goldy	2249					
Goodmans	1539	1690	1671	1572	1558	1180
	1182	2263	1643	1605	1571	1514
	1664	2021	1608	1559	1419	2264
	1911	1642	1581	1579	1542	1540
	1426	1163	1160	2233	2174	2127
	2104	2102	2037	1854	1845	1692
	1688	1624	1560	1544	1466	1428
	1389	1187				
GPM	1160					
Gradin	1572					
Graetz	1539	1514	1542	1642	1663	1643
	1544	1523	1979	1671	1581	1569
	1559					

Gran Prix	2153	1690	2154	2150	1726	1699
	2152	2151	1983			
Granada	1275	1972	2001	1572	1226	2083
	1560	1274	1194	1976	1590	2287
	2078	1487	1223	2309	2087	2079
	2075	2073	2012	1628	1567	1558
	1536	1498	1488			
Grandin	1539	1671	1643	1542	1559	1670
	1642	2264	1856	2263	2195	1664
	1610	1523	1982	1687	1662	1581
	1544	1514				
Grenadier	1572	1160				
Gronic	1572					
Grundig	1292	1293	1686	1724	1685	1684
	1718	1165	1670	1701	2233	1295
	1289	1558	1687	1705	1572	1560
	2258	1911	1590	1294	1698	2307
	2181	1926	1642	1610	1594	1527
	1424	1291	1290	1159	2262	1924
	1777	1725	1721	1652	1649	1616
	1573	1542	1528	1296		
Grunkel	1539	1559	1878	2116	1643	
GTT	2271	1160				
<b>H</b>						
H&B	1539	2264	1559	1542		
Haier 海尔	1936	2158	1352	1607	2142	1976
	1972	1356	2141	2110	1419	1353
	1351	1347	1203			
Halifax	1349					
Hannspree	1969	1789	1968	2202		
Hanseatic	1160	1511	1560	1581	1690	1585
	2275	1663	1633	1568	1181	1175
	2276	2141	1694	1671	1592	1588
	1572	1182	1179	1178		
Hantarex	1572	1160	2024	1571		
Harley Davidson	1344					
HB	1670	1662	1853	1539	1542	2258
	1687	1556	1704	1698	1672	1663
	2264	2163	2056	1671	1529	
HB Ingelen	1539	1664	1559			
HCM	1160	1349				
Heathkit	1572					
Hifivox	2304	2300				
Hiline	1160					
Hinari	1160	1690	1688	1572		
Hisawa	1671					
Hisense 海信	2156	2157	2155	2149	1512	
Hitachi	1642	2083	2057	1599	2075	2060
	2058	2088	1539	2093	2084	2071
	1182	2085	2082	2300	1629	2092
	1605	1514	2239	2087	1643	1523
	2068	1487	2311	2091	2072	1648
	1608	2064	2079	2069	1568	2090
	1644	1590	1572	1482	2078	2073
	2025	1228	1180	2141	2081	2077
	2070	2067	2012	1612	1559	2095
	2094	2089	2086	2080	2066	2065
	2063	2062	2001	1979	1647	
Höher	1539	1643	1610	1559	1542	1670
	1648	1662	1664	1642		
Home Electronics	2258	2196				
Horizont	1671	1581	1664	1567		

Hornyphon	1572	1560				
Humax	2132	2212	2135	2133	2136	2137
	2138	2134	2139	1168		
Huspi Elektronik	2271					
Hyper	1160	1586				
Hypervision	1651					
Hypson	1560	1671	1643	1572	1611	1581
	1670	1569	1349	1160		
Hyundai	1671	1647	1581	1542	1544	1523
	2225	1705	1670	1664	1172	2259
	2254	2249	2235	2234	2162	1644
	1514	1350	1347	1202		

**I**

i-Joy	2100					
I.V.	1572					
ICE	1160	1349	1572			
Iekei	1908					
Ikusi	1679					
Imperial	2271	1572	1904	1988	1705	1994
Indesit	2307					
Indiana	1572					
Infinity	1572					
Infratex	1586	2295	2293	2289	2266	2263
	2258	2248	2243	1568	1429	1348
Ingelen	1581	1662	2195	1671	2261	1670
	1664					
Ingersoll	1160					
Inno Hit	1572	1160	1643	1569		
Inovtech	1941					
Insignia	2198	1781				
InterACTV	1657					
Interbay	1160					
Interbuy	1358	1349				
Interdiscount	1511	1560	2304	2311	1770	2309
Interfunk	1560	1572	1558	1511	2304	2271
	1585	1979				
Intertronic	1609					
Intervision	1558	1358	2275	2238	1349	1160
Ipure	2233	2039	2028	1983	1828	
Irradio	1572	1670	1542	1160	1671	1664
	1544	1690				
ISIS	1644					
Iskra	1671	1664	1581			
ISP	1517					
IST	1572					
Isukai	1572					
ITL	1160					
ITS	1160					
ITT	1498	1972	1487	1979	1642	1228
	1482	1644	1671	1225	2300	1581
	1471	1227	2268	2181	1662	1560
	1724	1718	1686	1670	1664	1160
ITV	1690	1349				

**J**

Jacson	2283					
JBL	1572					
JC Penney	2012	1344				
JDB	2196					
JEC	2012					
Jetpoint	1511	1560	1344			
Jinlipu	1160					

JMB	2102	2104				
John Lewis	1896					
Jumbotronic	1586					
JVC	1239	1241	1234	1236	1231	1233
	1235	1232	1244	1240	1243	1242
	1238	1246	1245	1972	1951	1237
	1200	2274	2165	1642	1572	1564

**K**

Kaiser	1572					
Kaisui	1160	1572				
Kambrook	2311					
Karcher	1572	1690	1160	2282	1726	1699
	1544					
Kendo	1642	2195	1523	1539	1514	2181
	1648	1663	1160	1690	1572	1671
	1643	1556	1469	1466	2297	1688
	1664	1636	1559	1471	1470	
Kenmark	1540	2126				
Kennex	1605					
Kenstar	2044	1898				
Kenwood	1943	1935	1920			
Kerion	1572					
Keymat	2055	1902	2056	2015	1441	
Kimay	1349					
Kiota	1160					
Kishu	2164					
Kiton	1539	1559				
Kloss Novabeam	1344					
Kneissel	2195	1605	2269	1846	1572	1571
	2263	1163				
Kobic	1160					
Kogan	2165	2159	2110			
Kolster	1572					
Konichi	1160					
Konka 康佳	2244	1780	1357	1185		
Kopernikus	1999	1613				
Korpel	1572					
Kortek	2215					
Kotron	1844					
Kriminal Forsorgen	1675					
KTC	2228					
Kuasho	1572					

**L**

Latona	2212					
Lavis	1610	1560	1573	2269	1611	1572
	1163					
LCD	1855					
Leader	1160					
Legend	1160	1572				
Lenco	1647	1644	1160	2319	1349	1163
	1161	2229	2110	2101	1945	1869
	1671	1642	1634	1572	1184	
Lenoir	1572	1160				
Lenuss	1381	1377	1385			
Level	2171					
Lexus	1349					
Leyco	1572	1349				

LG	1915	1912	1924	1916	1913	1927
	1930	1688	1935	1697	1920	1951
	1917	1670	1922	1934	1856	1709
	1693	1662	1926	1965	1943	1925
	1919	1664	1921	1963	1956	1949
	1938	1708	1643	1959	1952	1696
	1942	1642	1966	1958	1961	1953
	1923	1669	1957	1937	1918	2292
	1950	1947	1946	2216	2045	1955
	1702	1671	1610			
Liesenkötter	1560	1511				
Life	1160					
Lifetec	1539	1572	1568	2263	1559	1160
	1349	1163	1773	1688	1671	1591
	1581					
Linitron	1228					
Linsar	1642					
Listo	1643	1523	1539			
Lloyd's	1160					
Lodos	1539					
Loewe	1511	1585	1583	1510	1619	1534
	1623	1673	1533	1535	1622	1660
	1275	1621	1560	2263	1551	1526
Logik	1887	2031	2177	1911	2205	2128
	1940	1572				
Logix	2106					
Luma	1572	1160				
Lumatron	1539	2263	2166	2164	1853	1559
	1556					
Lux-May	1572	2294	1571			
Luxor	1642	1490	1643	1501	1493	1482
	1523	1539	1487	1485	2268	1514
	1712	1629	1559	1160	1682	1648
	1644	1611	1569	1560	1494	
LXI	1972	1572	1228			
<b>M</b>						
M Electronics	1160	1498	1487	1490	2302	1572
	1501	1493				
Magnadyne	1586	2281	1160	2271	1572	1690
Magnafon	2281	2282	1586			
Magnasonic	1972	1690	1572	1228		
Magnavox	1558	2088	1639	1572		
Magnex	1572					
Magnum	1671	1581	1665	1664	1721	1720
	1674	1610	1544	1542		
Man City	2102					
Mandor	1349					
Manesth	2181	1572	1349			
Manhattan	1539	1643	1559	1514		
Marantz	1560	1572	1554	1517	2057	
Mark	1670	1539	1662	1664	1163	1671
	1572	2264	1623	1559	1581	1571
Marusys	1410					
Mascom	1587	1690	1687	1983	1726	1723
	1699	1684	1665	1483		
Match Italia	1572					
Matsui	1165	1539	2188	1435	1160	2181
	1430	1858	2019	1433	1690	1976
	1972	1426	2185	2177	1771	1559
	1514	1436	1911	1688	1432	1428
	1340	1182				
Maxam	1160					



Maxwell	2264					
MCE	1160					
McMichael	2088					
McPerson	1711					
Media Station	2020					
Media TV	1596					
Medialine	2317					
Mediator	1572					
Medion	1539	1895	2021	2264	1827	1559
	1642	1719	1670	1665	1523	1482
	1662	1671	1608	1664	1568	2263
	1911	1894	1690	1674	1643	1581
	1560	1542	1849	1704	1688	1644
	1611	1544	1483			
Megas	2195					
Megatron	2087					
Melbox	2284					
Melectronic	1581	1487	1671	1491	1664	1498
	1490					
Memorex	1716	1349	1972			
Memory	1643	1642				
Mercury	1160	1572				
Meteor	2282					
Metz	1817	1506	1816	1819	1539	1503
	1561	1820	1559	2307	1690	1648
	1560	1504	2264	2263	1818	1505
	1502	1446				
MGA	1585	1511				
Micromaxx	1539	2259	1662	1559		
Microspot	2010	1514				
Miia	2183					
Minerva	2023	1165	1294			
Minoka	1572					
Minsonic	1159					
Mirage	1671	1664				
Mirai	1771	1851	1764	2201		
Mitsai	1594	2109				
Mitsubishi	1196	1193	1194	1585	1511	1160
	1539	2210	1192	2211	1605	1590
	1572	1559	1197			
Mivar	2278	2170				
Monitor	1344					
MT Logic	2120	2125	1701	1687	1644	
MTC	1623	1344				
Multichoice	2313	2252	2194	1652		
Multitec	1539	1559				
Multitech	1572	1160	1690			
Murphy	1644					
Mustek	2050					
Mx Onda	1675	2046	1840	1695	1339	
<b>N</b>						
Naim	1653					
Namsunc	1160					
NAP	1560					
National	1560	2249	1572	1269		
NEC	2211	2210	1160	2212	1892	1893
	1186	1439	1344			
Neckermann	1560	1558	1770	1572	1511	1750
	1589	2181	1586	1768	1751	1236
	2182	1585	1568	1690	1671	1664
	1160					
NEI	2294	1572				

NEO	1671	1542	1664	2260	2249	2246
	2245	1644	1581	1544	1164	1159
NEOM Digital	1523					
NEON	1867					
Neovia	2214	1688	1418			
Nevir	1642	1906	2036			
Newtech	1572					
Nikkai	1572	2012	1671	1581	1544	1542
	1349					
Nikkei	1670	2164	1671	2162	1898	1664
	1642	1581				
Nikko	2296	1690				
Nissan	1344					
Noblex	1160	1167				
Noblisko	2281					
Nogamatic	2300	2304				
Nokia	1498	1487	1972	1482	1488	1490
	2268	1485	1160	1501	1493	1979
	2271	1586	1572	1560	1492	1491
	1486	2181	1500	1497	1496	1494
	1489	1349	1344	1340		
Nordmende	2304	2302	2311	2300	2309	2306
	1901	1671	1897	1670	1642	2219
	1991	1225	2044	1909	1664	1586
	1581	1560	1544	1542	1471	1470
	1466	1433				
Nortek	1572					
Northern Star	2212					
Notts Forest	2102					
Nova	1572					
Novatronic	1572	1160				
Novox	2032	1852				
NPG	1982					
<b>O</b>						
O General	1160					
Oceanic	1498	1972	1490	1487	1501	1493
	1227					
ODYS	2038	1834	2318	2026	1833	2317
	2208	2197	2172	2047	2043	2039
	1954	1906				
ok.	2102	1644	1642	1982	2025	1789
Okano	1160	2270				
OKI	1642	1514	1643	1687	1523	1539
	1982	1848	1542	1528	1648	2110
	1862	1698	1571	1544		
Olympic	1160					
Olympus	1560					
Onceas	1160					
Onida	1572					
ONN	1542	2128				
Onwa	2182					
Opera	2164	1580	1572			
Optanka	1228					
Orava	1601	1586				
Orbit	1572					
Orbitech	1570					
Orian	2250					
Orient	1160					

Orion	2181	1539	2182	1586	1560	1433
	2187	1671	1559	1447	1431	1572
	1420	2299	1574	1611	1426	1434
	1858	1589	1432	1616	1558	1911
	1664	1160	2233	1670	1542	1428
	1349	1201	1768	1665	1662	1435
	1427	1422	1202	1198	2264	1674
	1643	1642	1582	1569	1544	1429
	1371	1355	1189			
Osaki	1572					
Otake	2181	2182	1434			
Otava	1714	1715	1713	1688	1606	
OTF	1160					
Otrum	1560					
Otto Versand	1572	1558	1768	1225	2302	1228
	2182	1751	2181	1770	1511	1560
	1160	1275	1477	1585	2012	2001
	1589	1750	1227	1583	1586	2299
	1568	1223	1690	2275	1979	2309
	1769	1688	1230			
OVP	1681	1680				
Oxygen	2108					
<b>P</b>						
Pacific	1671	1670	1433	1664		
Pael	1690					
Palladium	1539	1690	1671	1560	1572	1623
	1619	1559	1542	1611	1581	1556
Palsonic	1572					
Panama	1572	1349				
Panashiba	1160					
Panasonic	1275	1263	1264	1274	1265	1269
	1270	1281	1286	1271	1276	1272
	1266	1267	1278	1268	1273	1284
	1279	1560	1572	1282	1277	2307
	1770	1558	1280	1285	1283	
Panavision	1664	1671	2251	1581		
Panavox	1160					
Panorama	1160					
Panoramic	2304					
Pathe Marconi	2300	2304				
Pausa	1160					
PCE/PEC	2012	1979	1972	1344		
Peacock	2097	1853	1440			
PEAQ	1644	1789				
Perfekt	1572					
Philco	2271	1160	2269	2088	1572	
Philex	1585	1511				
Philips	1558	1572	1732	1560	1517	1515
	1511	1554	1731	1607	1577	1516
	1590	1565	1733	1637	1555	1524
	1734	1536	1518	1736	1522	1514
	1531	1564	1642	1631	1538	1737
	1541	1570	1552	1563	1520	1611
	1545	1546	2300	1630	1742	1741
	1740	1735	1646	1641	1578	2311
	2142	2001	1770	1750	1743	1738
	1547	1537	1225	2307	1739	1707
	1616	2302	2088	1706	1690	1688
	1619	1610	1600	1586	1574	1573
	1566	1548	1543	1521	1175	
Phocus	1542	1671	2264	1670	1704	1664
	1581	1544	1528	1292		

Phoenix	1589	1572	1571			
Phonola	1558	1671	1572	1664	1578	
Phonotrend	2227					
Pioneer	1446	1572	1797	2311	1800	1803
	1443	1511	1444	1801	1799	1798
	1795	1560	1806	1796	1558	1449
	1448	1805	1794	2012	1804	1802
	1571	1445				
PKS	1588					
Plantron	1160	1572	1349			
Platinum	2175					
Playsonic	1670	1671	1662	1664	1539	1542
	1581	1698	1559	1544		
Polaris	1705					
Polaroid	1647	2040				
Policom	2304					
Portland	1586					
Powerpoint	1671	2166	1560			
Prandoni Prince	1690					
Prima	2012	1972	1572	1349	1344	1160
Princess	1671	1670	1542	1544	1160	1672
	1664					
Pringston	1670	1662	1664	1624		
Pro Basic	2186					
Proelco	1586					
Profectis	1643					
Profex	1160					
Profilo	1726	1677	1665	1699	1690	1674
	1654	2002	1723	1667		
Profitronic	1690	1572				
ProLine	1539	1643	1629	1182	1540	1605
	2126	1671	1569	1559	1523	2276
	2128	1885	1845	1727	1675	1664
	1581	1514				
Promethean	1970					
ProScan	1344					
Prosonic	1670	1662	1664	1581	2102	2101
	1687	1948	1870	1863	1642	1684
	1671	1542	2113	1544	1514	2110
	1878	1873	1539	2162	1944	1874
	1715					
Protec	1572	1349				
ProTech	1539	1572	2263	1558	1571	1559
Protek	2125	1643				
Proton	2311					
ProView	2037					
Provision	1690	1670	1664	1671	1662	1558
Pulser	2088	1572	1344			
PYE	1572	1560	1511	1558	1590	1554
<b>Q</b>						
Qty1	1586					
Quadro	1539	2179	2267	1609	1608	1514
	1635	1556	1523	1648	1643	2129
	1559	1199	1642			
Quasar	1160					

Quelle	1539	1560	1768	1511	1572	1751
	1690	1558	1770	1585	1858	2181
	1750	1559	1773	2182	1573	1160
	1477	2012	1589	1556	1275	1498
	1490	2270	1622	1586	2314	1623
	2280	2001	1583	1501	1493	1236
	1979	1554	1571	2263	1487	2309
	1688					
<b>R</b>						
R-Line	1572					
Radio Shack	1972	1228				
Radiola	1558	1511	1572	1590	1577	1554
	1517	1736	1630			
RadioMarelli	1586					
Radiotone	1539	1160	1559	2263	1690	1349
	1721	1572				
Radix	1979					
RCA	1788	1787	1560	1344		
Realistic	1972					
Recor	1572	1586	1585	1511		
Record	1586	1575	1571	1156		
Red Star	1690	1726	1699			
Reflexion	1869	2025				
Regal	1671	1664				
Regente	1160					
Relisys	2037					
Revox	1623	1572	1560			
RFT	2279	1596	1570	1560	1530	1519
Rice Club	1344					
Roadstar	1539	1671	1670	1664	1662	1160
	1559	1542	1426	1589	2264	1714
	1610	1594	1581	1572	1558	1556
	1544	1349				
Rosita	1160					
Rowa	1160					
Royal	1160	1349	1670	1572	1662	1664
	1348					
Runco	1344					
<b>S</b>						
SABA	2311	2304	2302	2300	2309	1470
	1466	1514	1671	2281	1643	1523
	2145	1704	1670	1642	1509	1469
	1183	2310	2308	2298	1664	1539
	1475	1471				
Sagem	2176	2189	2195			
Saisho	1858	2181	1511	1560		
Saivod	1539	1670	1726	1699	1690	1665
	1662	1643	1642	2263	1941	1859
	1674	1664	1559			
Sakio	1349	1160				
Sakura	1160					
Salora	1983	1642	1498	1677	1647	1644
	1487	2028	1987	1687	1674	1665
	1482	2025	1828	1490	1972	1875
	2123	2033	1945	1722	1483	2034
	1690	1501	1493	2258	1986	1853
	1587	1575	2268	2262	2125	1583
	1560	1523	1495	1492		
Sambers	2281	1690	2282			

Samsung	1376	1384	1410	1415	1379	1572
	1730	1729	1160	1661	1386	1374
	1375	1392	1378	1380	1354	1691
	1666	1409	2270	1398	1405	1383
	1413	1412	1396	1590	1401	1399
	1414	1393	1390	1404	2001	1402
	1411	1403	1406	1387	1690	1397
	1382	1373	1549	1416	1688	1579
	1707	1408	1394	1391	1640	1407
	1400	1728	1511	1344	1161	2116
	1758	1560	1417	1349	1167	1166
Sandstrøm	1983					
Sansui	1511	1572	1560	1160	1830	1585
	1349	1344				
Sanyo	1972	2280	1979	1976	1975	1642
	1978	1971	1539	1514	1671	1967
	1726	1699	1690	2019	1980	1974
	1647	1559	2279	1973	1670	1664
	1648	1643	1523	1160		
SBR	1572					
Scansonic	1670	1785	1784			
Schaub Lorenz	1670	1581	1662	1671	1542	1642
	1684	2164	1648	1539	2226	1643
	2002	2162	1889	1698	1664	1644
	1544	2258	1528	2264	2166	2161
	2156	2056	2048	1983	1853	1704
	1687	1663	1559	1529		
Schneider	1477	1539	1558	1568	1572	1610
	1670	1511	1677	1690	1559	1726
	1662	1665	1160	1671	1699	1608
	1721	1664	1688	1594	1580	1577
	1560	1674	1615	1590	2263	2100
	1656	1630	1586	1575	1573	1571
	1524	1517	1906	1695	1643	1616
	1603	1585	1581	1554	1736	1720
	1691	1689	1648	1642	1523	1513
	1349	1340				
Scientific Labs	1677	1560				
Scott	1642	2229	1842	1941	1907	
Screenlant Tft	1603					
SEA	1643	1642				
Sears	1972					
SEC	1340					
SEG	1539	1559	1642	1514	1643	1160
	1569	1523	1687	2279	1982	1867
	2263	1863	1586	1557	1556	2169
	2125	2039	1838	1773	1671	1655
	1581	1571	1349			
Sèleco	2276	1572	2290	1624	2277	2313
	2309	2300	2297	1657	1558	
Sencor	2025	1983	1780	2228	2164	1987
	1684	2159	1542			
Sentra	2012					
Serino	2195					
Sharp	1206	1228	1226	1225	1223	1227
	1218	1215	1229	1207	1217	1221
	1211	1647	1212	1205	1219	1208
	1204	1214	1209	2142	2141	1224
	1642	1210	1560	1421	1216	1558
	1220	1213	2302	1644	1572	2309
	2093	2012	1984			
Shintom	1690					
Shintoshi	1690					

Shivaki	1511	1560	1690	1544	1542	1156
Shorai	2182					
Show	1160					
Siarem	2281					
Sicatel	2285					
Siemens	1638	1699	2304	2294	1771	1726
	1690	1590	1572	1567		
Siena	1610					
Siera	1610	1611	1560			
Sierra	1572	1560	1558	1610		
Sigmax	1344					
Signature	2012					
Silma	1572					
Silva Schneider	1983	1677	1642	1603	1539	1665
	1608	1690	1654	1644	1726	1699
	1689	1674	2110	1987	1847	1723
	2152	1700	1695	1647	1160	2258
	2154	2153	2125	2039	2002	1990
	1859	1687	1643	1587	2262	2259
	2150	2048	1865	1839	1831	1721
	1575	1523				
SilverCrest	1539	1642	1514	1523	1894	1569
Singer	1572	2281	1160			
Sinotec	1690					
Sinudyne	1586	1770	2281	1560	1611	1858
	1589	1542	1433	2299	2259	1671
	1670	1511	2282	2181	1704	1664
	1632	1618	1582	1575	1544	
SKY	2233	1442	1911	2203	1884	1835
	1353					
Sky Media	2102	2122	2120	2109	2104	2031
	1911	1883	1822	2233	2202	2180
	2131	2125	2106	2105	2103	2051
	2039	2010	1998	1900	1876	1864
	1850	1835	1821	1442	1439	1353
Skyworth 创维	1227					
Smaragd	1165					
SMARTVISION	2002	1705				
Snyder	1572					
Sogo	1671	1670	1665	1674	1664	1581
Sole	1162					
Sonitron	1979	1972	1975			
SONiX	2233	2011				
Sonoko	1572	1160	1349			
Sonolor	1972					
Sontec	1572					
Sony	1744	1751	1768	1770	1749	1750
	1753	1756	1189	1773	1757	1767
	1763	1769	1745	1765	1759	1190
	1775	1774	1758	1558	1747	1560
	1228	1191	1188	1772	1766	1760
	1754	1776	1746	1227	1761	1752
	1748	1572	2311	1762	1755	1444
	1226					
Soundcolor	1581	1726	1699	1690	1542	1671
	2264	1704	1664	1539		
Soundesign	1344					
Soundmaster	1160					
Spectra	1163					
Spectrician	1572					
Splash Vision	2140					
Sr2000	1972					
Standard	1608	1160				

Star	1544	1572	2249	2179	1688	1542
	1347					
Star General	2250					
Starlite	1690	1160				
Starlux	1160					
Staßfurt	2279					
Strato	1544	1349	2161	1542		
Sungoo	2022					
Sunkai	1671	1581	2181	2025	1858	1664
Sunny	2125					
Sunrise	1166					
Sunstar	1594	1160				
Sunstech	1871	1866	1941	1863	1853	1859
	1642	2158	1948	1878	1675	1647
Sunwatt	1572					
Sunwood	1572					
Supersonic	1585	1511				
Supertech	1160	1586	1572			
Supra	1160					
Supratech	2052	2025	2218	2184	2049	2029
	1826	2053	2035	1838		
SWEDX	1903					
Sweex	2025	1849	1825			
Swisstec	2122	2010	2233	1442	1439	1876
	1911	1353	2131	1883	2202	2109
	2051	1998	1900	1884	1850	1835
	2227	2214	2203	2180	2120	1882
	1671					
Syc Line	1160					
Sylvania	2192	2193	1572			
Symphonic	2193					
<b>T</b>						
Tadistar	1690					
Tandberg	2304	2041	1539			
Tandy	1228					
Targa	1410	1894				
Tashiko	2088					
Tatung	1572	1712	1560	2287	1629	1726
	1699	1690	1388	1677	2093	1715
	1683	1611	1589	1574	1538	1165
Taurus	1990					
TCL 集团	1789	1791	1467	2158	1642	
TCM	1663	1544	1542			
Teac	1822	1940	1880	1569		
Teak	1572	1585	1511	1160		
TEC	1160	1163	2294			
Techline	1514	1642	1523	1539	1643	1556
	1687					
Technica	1539	2259	1665	1674	1643	1642
	1559	1344				
Technical	1643	1523	1514	1642	1569	1539
Technics	1274	1278	1572	1751	1280	1267
Technika	2102	2104	2109	1822	2106	2120
	1876	2105	2040	1940	1929	1928
	1864	1643	1642	2319	2117	1983
	1821	1647	1539	1514		
Techniland	1572					
Technisat	1560	1518	1519	1515	1570	2231
	1530	2291	2259	1616	1590	
Technisson	1670	1662	1581	1671	1664	
Technol	1160	1585	1511	1572		
Technosonic	1560					



Technotrend	1560	2227				
Techwood	1643	1642	1539	1514	1523	1559
	1569	1648	1647	1527	1344	1219
Tecnimagen	1610	1560	1611	1554	1662	
Tecnison	1690	1160				
TECO	2025					
Tedelex	1160	1572				
Teknant	1572	1160				
Tekon	1344	1160				
Teleavia	2304	2300	2302	2311	2307	
Teleco	1658					
Telefac	1160					
Telefunken	2314	2307	2302	1642	2306	2304
	2309	2303	2311	1643	1509	1470
	1466	1539	2305	2300	1654	1671
	1670	2264	2145	1704	1647	1508
	2298	1664	1644	1572	1555	1550
	1523	1498	1471			
Teleopta	1160					
Telerent	1623					
Telestar	1690	1699	1726	1570	1160	1721
	2304	1677				
Telesystem	1989	1982	2037	1687	1642	1542
Teletech	1539	1559	1642	1514	2263	1523
	1160	1727				
Televue	1690	1726	1699	1665	1674	
Telra	1726	1699	1690			
Tempest	1160					
Tensai	1160	1572	2275	1671	1560	1511
	1690	1672	2264	1704	1664	1611
Tenson	1160					
Terra	2030	1936	2096	1525		
Terris	2160	1643				
Tesco	2102					
Tesla	1671	2258	1670	1688	1664	1542
	1704	1581	1572	1659	1560	
Tevion	2212	1670	1539	1662	1523	1664
	1608	2106	2104	2102	1726	1699
	1690	1581	2209	2162	2021	1671
	1568	1542	2263	2160	1900	1719
	1559	1514				
Thomas	2088	1572	1344			
Thomson	2304	2311	1466	1470	2300	2309
	1789	2302	2286	1791	2314	2307
	1509	1475	1469	1228	1790	1471
	1467	2308	1615	1183	1476	1474
	1468	1472	2305	2145	1580	2120
	2044	1909	1901	1704	1688	1670
	1473	1181	1179	1178	1175	
Thorn	1560	1572	2088	2286	2084	2018
	1511	2019	2012	1585	2304	1630
	2307	2302	1979	1978	1770	1341
	1196	2311	2309	2308	1688	1194
Thorn-Ferguson	2286	1572	2304	2302	2314	2307
	1768	1770	1585	1511	2311	
Time	1853	1542				
Tivo	1410					
TMK	1344					
Tobo	1160					
Tokai	1572	1554	1523			
Tokyo	1344	1166				

Toshiba	1984	2001	2012	1992	2003	1647
	2222	2017	1648	2019	1981	1539
	2007	2009	1993	1670	1572	1997
	2018	1996	1662	1374	1542	1995
	1985	1664	1642	1426	2223	1425
	1559	1558	2006	2005	2004	1585
	1560	1511	1294	2057	2013	2008
	1979	1972	1671	1423	1344	1275
	1182	1160				
Tosonic	1344					
Transonic	1572					
TRC	1688	1160				
Trevi	1160	2028	1986	1861	1849	
Triad	1572	1511	1560			
Triax	1699	1473				
Trilux	1605	1571	2263	1983	1586	1553
Triumph	1858					
TriVision	1160					
Tucson	1647					
TWF	2209	2161				
<b>U</b>						
Uher	1623	1560	1767	1572		
Ultravox	1572					
UMA	1560	2311	2304	1511	2300	1585
UMC	2102	2109	2104	1822	2122	2120
	1876	2106	2031	2010	1439	2105
	2103	1911	1883	1850	1835	2233
	2202	2180	2131	2125	2051	2039
	1998	1900	1864	1821	1442	1353
Unimor	1560					
United	1670	1662	1664	1671	1581	1948
	1542	1539	1849	1663	1427	1642
	2037	1643	1514	2162	1870	2264
	1945	1944	1874	1868	1575	1544
	1426					
UnityDigitalTV	1410					
Universum	1539	1511	1560	1572	1556	1573
	1559	1770	1585	1643	1498	1160
	1558	1482	2263	1768	1571	1557
	1483	1586	2304	2271	1767	1690
	1484	1349				
Univox	1572					
Uranya	1160					
<b>V</b>						
Vanguard	1160	1643				
Vasilinec	1160					
VD Tech	2036					
Veco	1572	1160				
Vector	1941					
Veseg	1514	1643	1523			
Vestel	1539	1642	1523	1514	1559	1643
	1569	2263	1648	1608	1572	1644
	1591	1557	1556	1647	1586	2003
	1891	1655	1646	1571	1536	
Vexa	1160	1572				
Victor	1239					
Videcon	1572					
Video System	1572					
VIDEOCON	2128					
Videoseven	2233	1911	1771			
Videoton	1643	2311	2301	2271	1642	

Vidion	1160					
Viditel	1349					
Viewpia	2226					
ViewSonic	1437	2190	1835	1564		
Vision	1160	1671	1664			
Vision Plus	2102	2109				
Visual Innovations	2109					
VIVAX	2054	2125	1705	2167	2114	2155
	1614	2219	2002	1999	1703	1613
	2048	2014	1782	1704	1544	1542
Vizio	1962	2220	1931			
Vogells	1910					
Vortec	1572					
VOX	1647	1602				
Voxson	1690	1581	1544	1671	1670	1664
	1572	1542				
VTQ	2279					
<b>W</b>						
Waltham	1539	1643	1559	1642	1523	1514
Wards	1572	1239				
Watson	1539	1559	1581	1572	1671	1160
	1670	2263	1883	1664	1662	1586
	2021	1667	1642	1556		
Watt Radio	2281	2282	2271	1690		
Wegavox	2271	1572	1160			
Welltech	1670	1662	1664			
Welstar	1539	1559	1884	1643	1642	
Weltblick	1572					
Wharfedale	1542	1544	1523	1514		
White-Westinghouse	1571	1539	2271	1560	1972	1624
	1620	1595	1585	1559	1511	
Wilson	2125					
Windsor	1539	1559	2302	2263	1643	1514
Winston	1572	1160				
Winternitz	1160					
Wizja	1538					
World of Vision	1439	1671	1372			
World-Tech	1163					
Worldview	1511	1572	1560	1160		
<b>X</b>						
Xoro	2228	2025	2037			
<b>Y</b>						
Yalos	2209					
Yamaha	2064	2061	2001	2071		
Yevici	1160					
Yokan	1571					
Yoko	1160	1586	1572	2304	1972	1163
	1642	1349				
York	1979	1572				
Yoshita	1572					
Yotaka	1572					
<b>Z</b>						
Zenith	1786	1572				

ruwido