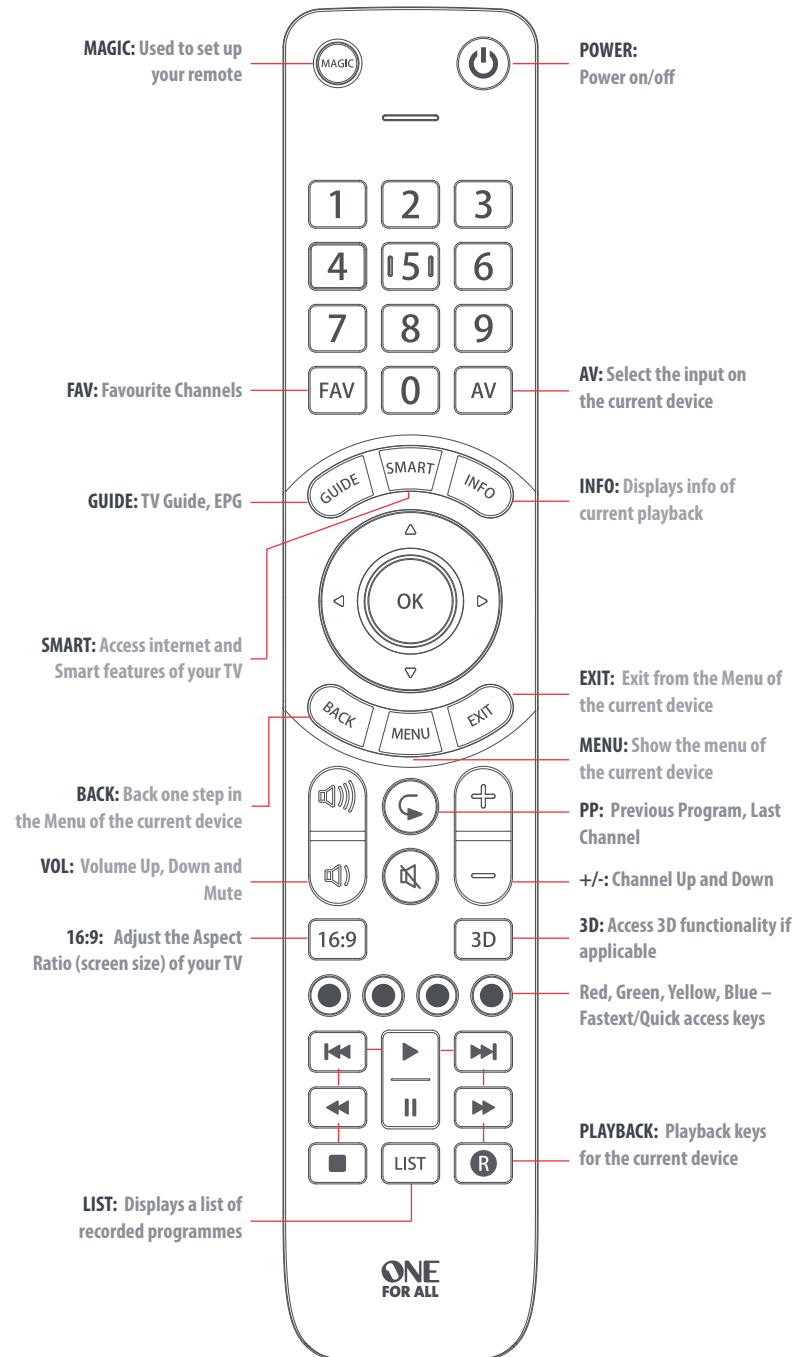


## URC7115

### SIMPLE SET UP GUIDE

## ENGLISH

### KEY TABLE



### HOW TO SET UP YOUR REMOTE

#### A – SIMPLESET

SimpleSet is a quick and easy way of setting up the remote to control the most popular brands of each device type with only a few key presses, typically in under a minute per device.

For each Device type, there is a list of the top brands, each with a number assigned to it, for example 6 for a Samsung TV. Locate your device and brand in the list that follows:

#### TV

|   |                        |   |               |
|---|------------------------|---|---------------|
| 1 | Alba / Bush / Goodmans | 6 | Samsung       |
| 2 | Grundig                | 7 | Sharp         |
| 3 | LG                     | 8 | Sony          |
| 4 | Panasonic              | 9 | TCL / Thomson |
| 5 | Philips                | 0 | Toshiba       |

#### To set up your device

1. Turn on your device (not on standby) and point the OFA remote towards it.
  2. Hold down MAGIC until the LED blinks twice.
  3. Hold down the digit for your brand and device as listed above (e.g. 6 for Samsung TV).
  4. The remote will send Power every 3 seconds until your device switches off.
  5. As soon as your device switches off, release the digit.
  6. The LED will blink twice and go out. The remote should now operate your device.
- If you find one or more keys do not work as you expect, start again at step 1 – the remote will start with the next code in the memory.

## HOW TO SET UP YOUR REMOTE

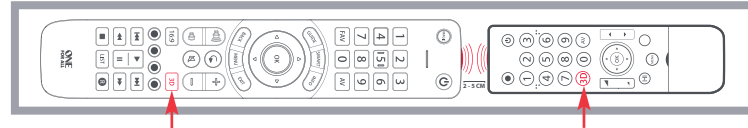
### B – SET UP BY CODE

If your brand is not listed in section A, you can set up your device by trying codes individually. To do this:

1. Turn your device on (not on standby).
  2.  Locate the brand of your device in the code list (pages 74-77). Codes are listed by Device Type.
  3.  Hold down MAGIC until the LED blinks twice.
  4.  Enter the first 4 digit code listed for your brand (e.g. 0556 for a Bennett TV).
  5. The LED will blink twice and go out.
  6.  Now aim the remote towards your device and press the POWER key.
  7. If the device turns off, your remote is ready to use. If not, repeat steps 3-6 with the next code in the list.
- Some codes are quite similar. If you find that one or more keys do not operate as you expect, try again from step 3 with the next code in the list.

## LEARNING

Your One For All remote control can learn any function from any other working remote control. This can be useful if you are missing one or more functions from your original remote control and would like to add them to the ONE FOR ALL. You can also learn a complete device if you can't find a code. To learn, firstly make sure you have all your original remote controls to hand, and that they have working batteries in. To learn functions, the original remote should be approximately 3cm from the OFA remote, pointing towards it as shown below:



1.  Hold down MAGIC until the LED blinks twice.
2.  Press 975 – the LED will blink twice.
3.  Press and release the key you want to learn a function onto (for example the 3D key) – The red LED will blink continuously.
4.  Press and release the key on the original remote.
5. The LED will blink twice to indicate the key has been learned correctly.
6. Repeat steps 3 and 4 for each key you want to learn – remember you can learn from multiple remotes, but only one function per key.
7.  When you learned all the functions you require, press and hold the MAGIC key until the LED blinks twice and turns off.

### HINTS

- If the LED shows one long blink at step 5, the function was not learned correctly, please try again from step 3.
- If you find one or more keys don't work properly after set up, you can re-enter the learning mode at any time by repeating the procedure from step 1.

### TO DELETE A LEARNED FUNCTION, THE PROCEDURE IS:

1. Hold down MAGIC until the LED blinks twice.
2. Press 976 – the LED will blink twice
3. Press the key to delete twice – the LED will blink twice.

Repeat the above procedure for each key you want to delete.

### PRODUCT DISPOSAL

(EUROPEAN DIRECTIVE 2002/96/EC)

The crossed out wheeled bin symbol on this product ensures that this product is manufactured using high quality components that can be recycled and reused according to European Directive 2002/96/EC. Please do not dispose this product with your normal household waste but inform yourself about the local separate collection for electrical and electronic products to dispose this product correctly. This will help preventing potential negative effects on the environment and/or human health.

### BATTERY DISPOSAL and safety

(EUROPEAN DIRECTIVE 2006/66/EC)

Please do not dispose your batteries with your normal household waste but inform yourself about the local separate collection for empty batteries to dispose them correctly. This will help preventing potential negative effects on the environment and/or human health. Keep batteries away from fire, out of direct sunlight, and away from other sources of heat.

UNIVERSAL ELECTRONICS INC/ONE FOR ALL warrants to the original purchaser that this product will be free from defects in materials and workmanship under normal and correct use for a period of one (1) year from the date of original purchase. This product will be replaced free of charge if it has been proven to be defective within the one (1) year warranty period. This warranty does not cover cartons, carrying cases, batteries, broken or marred cabinets or any other item used in connection with the product. Any further obligation than listed above is excluded. Please notice that we need your purchase receipt so that we may establish your eligibility for service. If you have bought this product for purposes which are not related to your trade, business or profession, please remember that you may have legal rights under your national legislation governing the sale of consumer goods. This guarantee does not affect those rights.

#### UK

[www.oneforall.com](http://www.oneforall.com)

#### Ireland

[www.oneforall.com](http://www.oneforall.com)

#### South Africa

0861100551  
[support@oneforall.co.za](mailto:support@oneforall.co.za)  
[www.connoisseur.co.za](http://www.connoisseur.co.za)  
[www.oneforall.com](http://www.oneforall.com)

#### New Zealand

0800 1425569  
[sales@amber.co.nz](mailto:sales@amber.co.nz)  
[www.amber.co.nz](http://www.amber.co.nz)  
[www.oneforall.com](http://www.oneforall.com)

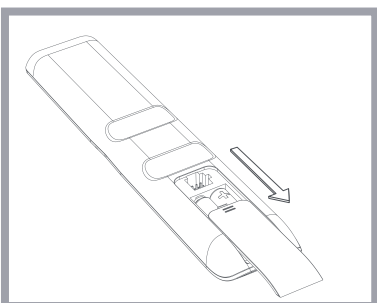
#### Australia

1 300 888 298  
[ofa.support@ambertech.com.au](mailto:ofa.support@ambertech.com.au)  
[www.ambertech.com.au](http://www.ambertech.com.au)  
[www.oneforall.com](http://www.oneforall.com)

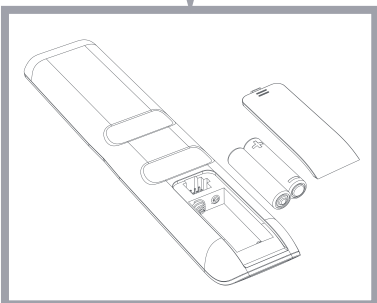
**ONE**  
FOR ALL

# URC 7115

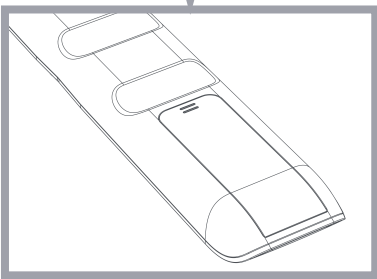
## CODELIST



**Open the battery door.**



**Insert 2 AAA batteries.**



# CODELIST

TV : Television / HDTV / LCD / Plasma / Projector / Rear Projector

## TV

|                    |                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------|
| ATV                |                                                                                              |
| A.R. Systems       | 0037 0556                                                                                    |
| Accent             | 0037 0556                                                                                    |
| Acentic            | 0556                                                                                         |
| Acer               | 1339 3630                                                                                    |
| Acoustic Solutions | 1667 2279 1523 1585 1865 1037 2676 1163                                                      |
| Acronn             | 2561                                                                                         |
| Adcom              | 0625                                                                                         |
| Admiral            | 0093                                                                                         |
| AEA                | 0037 0556                                                                                    |
| AEG                | 1037 1163 1667 1585 2239 2197 2457 2530                                                      |
| Agfaphoto          | 2719 2239                                                                                    |
| Agora              | 2279 1585 2676 0037                                                                          |
| Aiko               | 0037 0556                                                                                    |
| Aim                | 0037 0556 0208 0634                                                                          |
| Airis              | 0556                                                                                         |
| Aiwa               | 1505                                                                                         |
| Akai               | 0208 2197 0037 0714 0556 0178 1037 0812 1248<br>1865 2676 3067 1163 1523 1652 4340           |
| Akiba              | 0037 0556                                                                                    |
| Akira              | 2530 2457 0037                                                                               |
| Akito              | 0037 0556                                                                                    |
| Akura              | 1770 2289 1687 0714 1523 1709 1037 1667 0037<br>0556 1645 0668 1585 1983 1363 2239 2059 3268 |
| Alba               | 2676 3587 1667 3790 1585 1865 3067 1037 3005<br>0714 0037 0668 0556 1163 2561 2214 4132 3589 |
| Alios              | 2168                                                                                         |
| Allstar            | 0037 0556                                                                                    |
| Allure             | 2714                                                                                         |
| Amitech            | 1849                                                                                         |
| Amstrad            | 1667 1163 0037 0556 1037                                                                     |
| Anam               | 0037 0556 0650                                                                               |
| Anam National      | 0037 0556 0650                                                                               |
| Andersson          | 2676 3719 1163 1585 0037                                                                     |
| Anitech            | 0037 0556                                                                                    |
| Ansonic            | 0037 2799 0556 0668                                                                          |
| AOC                | 3790 0625 2111 2214                                                                          |
| Argelik            | 0714 3433 2125 0037 2890                                                                     |
| arctic             | 1652                                                                                         |
| Ardem              | 0714 0037 0633 0556                                                                          |
| Arena              | 0037                                                                                         |
| Aristona           | 0556 0037                                                                                    |
| ART                | 1037                                                                                         |
| Art Mito           | 1585 1667                                                                                    |
| Asberg             | 0037 0556                                                                                    |
| Astra              | 0037 0556                                                                                    |
| Asus               | 3340                                                                                         |
| Atlantic           | 0037 4340 0556                                                                               |
| Auchan             | 4340                                                                                         |
| Audiosonic         | 0037 0556 0714 2059 1983                                                                     |
| Autovox            | 1163 1585 2676 1667 2279                                                                     |
| AWA                | 0037 0178 0556 2530 3296 2457                                                                |
| Axxon              | 0714                                                                                         |
| Aya                | 4340                                                                                         |
| Azuki              | 2239                                                                                         |
| Baier              | 2239                                                                                         |
| Baird              | 0208 4142                                                                                    |
| Bang & Olufsen     | 0565 0620                                                                                    |
| Basic Line         | 0037 1163 0668 0556 1037                                                                     |
| Bauer              | 2197                                                                                         |
| Bauhn              | 2461 3611                                                                                    |
| Baur               | 0195 0512 0037 0556 1505                                                                     |
| BBK                | 1523 1645 2530                                                                               |
| Beaumark           | 0178                                                                                         |
| Beko               | 0714 3433 0037 2279 0556 0808 1652 2125                                                      |
| Belson             | 2032 2714 2868 3296 1667                                                                     |
| Belstar            | 1037                                                                                         |
| Bennett            | 0556 0037                                                                                    |
| BenQ               | 1523 3790 2214                                                                               |
| Bensten            | 1413                                                                                         |
| Beon               | 0037 0556                                                                                    |
| Berthen            | 0668 0556                                                                                    |
| Bestar             | 0037 0556                                                                                    |
| Bexa               | 2493                                                                                         |
| Black Diamond      | 1037 0556 1163                                                                               |
| Blaupunkt          | 1709 2106 0195 2426 4142                                                                     |
| Bl Lauren          | 2275                                                                                         |
| Blu:sens           | 1849 2714                                                                                    |
| Blue Sky           | 0037 1037 0714 1709 0668 0625 1652 0556 0808<br>1363                                         |
| BlueDiamond        | 2106 2426                                                                                    |
| Bluetech           | 2561 2799                                                                                    |
| Blush              | 1709                                                                                         |
| Boca               | 1652                                                                                         |
| bogo               | 2561 3528                                                                                    |
| Bork               | 1363                                                                                         |
| BPL                | 0037 0556                                                                                    |

|               |                                                                                                                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brandt        | 0625 2676 1585 1667                                                                                                                                                                                       |
| Brimax        | 1709                                                                                                                                                                                                      |
| Brinkmann     | 0037 0556 0668                                                                                                                                                                                            |
| Brionvega     | 0037 0556                                                                                                                                                                                                 |
| Bush          | 2032 2530 3005 2676 2457 3589 3790 2214 3964<br>1983 1645 1652 1037 1667 0714 3587 2059 1687<br>3719 0668 1585 2125 1589 4340 2673 2719 1682<br>0037 0556 0208 1248 2239 1865 4314 1720 2223<br>2426 4132 |
| Cameron       | 1523 0556                                                                                                                                                                                                 |
| Camper        | 0037 0556                                                                                                                                                                                                 |
| Carad         | 0037 0556 0668 1037                                                                                                                                                                                       |
| Carena        | 0037 0556                                                                                                                                                                                                 |
| Carrefour     | 0037 0556                                                                                                                                                                                                 |
| Cascade       | 0037 0556                                                                                                                                                                                                 |
| Casio         | 0037 0556                                                                                                                                                                                                 |
| CAT           | 1682                                                                                                                                                                                                      |
| Cathay        | 0037 0556                                                                                                                                                                                                 |
| CCE           | 0037 0556                                                                                                                                                                                                 |
| Celcus        | 1163 1667 1585 0037 1037 2676 4340 3719                                                                                                                                                                   |
| cello         | 1770 2673                                                                                                                                                                                                 |
| Centrum       | 1037                                                                                                                                                                                                      |
| Centurion     | 0037 0556                                                                                                                                                                                                 |
| Changhong     | 3296 3434                                                                                                                                                                                                 |
| Chimei        | 1666                                                                                                                                                                                                      |
| CHL           | 3067                                                                                                                                                                                                      |
| Clarity       | 1720                                                                                                                                                                                                      |
| Clarivox      | 0037 0556                                                                                                                                                                                                 |
| Clatronic     | 0037 0714 0556 1163                                                                                                                                                                                       |
| Clayton       | 1037                                                                                                                                                                                                      |
| CMX           | 2799 2868 3296 3067                                                                                                                                                                                       |
| Condor        | 0037 0556                                                                                                                                                                                                 |
| Conia         | 1687 1523 1645 2032 2457                                                                                                                                                                                  |
| Conrac        | 0808                                                                                                                                                                                                      |
| Conrad        | 0037 0556                                                                                                                                                                                                 |
| Contec        | 0037 0556                                                                                                                                                                                                 |
| Continental   |                                                                                                                                                                                                           |
| Edison        | 2530 4132 4340                                                                                                                                                                                            |
| Cosmel        | 0037 0556                                                                                                                                                                                                 |
| CPTEC         | 0625 1363                                                                                                                                                                                                 |
| Crown         | 0037 0556 0714 0208 0653 1037 1652 0668                                                                                                                                                                   |
| Curtis Mathes | 0093                                                                                                                                                                                                      |
| Cyberpix      | 1667                                                                                                                                                                                                      |
| Cytronix      | 1298                                                                                                                                                                                                      |
| D.Boss        | 0037                                                                                                                                                                                                      |
| Daewoo        | 0634 1849 2125 2275 0037 0556 0714 2037                                                                                                                                                                   |
| Dansai        | 0037 0556 0208                                                                                                                                                                                            |
| Dantax        | 1652 0714 1037 2676                                                                                                                                                                                       |
| Datron        | 0625                                                                                                                                                                                                      |
| Datsura       | 0208                                                                                                                                                                                                      |
| Dawa          | 0037 0556                                                                                                                                                                                                 |
| Daytron       | 0037 0556                                                                                                                                                                                                 |
| de Graaf      | 0208                                                                                                                                                                                                      |
| Decca         | 0037 0556                                                                                                                                                                                                 |
| Deitron       | 0037 0556                                                                                                                                                                                                 |
| Denver        | 0037 0556 1849 2239 1709 2197 3067 1770                                                                                                                                                                   |
| Desmet        | 0037 0556                                                                                                                                                                                                 |
| Dew           | 1770                                                                                                                                                                                                      |
| DEXP          | 3434                                                                                                                                                                                                      |
| DGM           | 2239 2059                                                                                                                                                                                                 |
| DGTEC         | 2714                                                                                                                                                                                                      |
| Diamant       | 0037 0556                                                                                                                                                                                                 |
| DiBoss        | 0037 0556                                                                                                                                                                                                 |
| Dick Smith    |                                                                                                                                                                                                           |
| Electronics   | 3296 2530 2457                                                                                                                                                                                            |
| Differo       | 2676                                                                                                                                                                                                      |
| Digatron      | 0037 0556                                                                                                                                                                                                 |
| Digihome      | 4340 1667 1163 2676                                                                                                                                                                                       |
| Digiline      | 0037 0556 0668                                                                                                                                                                                            |
| DigiLogic     | 0037 0556                                                                                                                                                                                                 |
| Digimate      | 2239                                                                                                                                                                                                      |
| Digitek       | 1709                                                                                                                                                                                                      |
| Digitor       | 0037 0556                                                                                                                                                                                                 |
| Digitrex      | 3194 3067                                                                                                                                                                                                 |
| DiK           | 0037 0556                                                                                                                                                                                                 |
| Dikom         | 2799 2561 2676 3528                                                                                                                                                                                       |
| diVision      | 2197                                                                                                                                                                                                      |
| Dixi          | 0037 0556                                                                                                                                                                                                 |
| DL            | 0037 1363                                                                                                                                                                                                 |
| DMTECH        | 1163 1849 2223                                                                                                                                                                                            |
| DNS           | 3434 3528                                                                                                                                                                                                 |
| Domeos        | 0668 0037 1037                                                                                                                                                                                            |
| DSE           | 2457 1682 2032 3296 2530                                                                                                                                                                                  |
| Dual          | 3719 0037 0556 1037 2032 1163 1667 1585 2676<br>0714 2197                                                                                                                                                 |
| Dunlop        | 2799                                                                                                                                                                                                      |
| Durabase      | 3719                                                                                                                                                                                                      |
| Durabrand     | 0037 0556 1652 1037 0714                                                                                                                                                                                  |
| Dux           | 0037 0556                                                                                                                                                                                                 |
| D-Vision      | 2197 0037 0556 2239                                                                                                                                                                                       |
| Dynatron      | 0037 0556                                                                                                                                                                                                 |
| Dyon          | 2799 2457 2530                                                                                                                                                                                            |
| E.S.C.        | 0037 0556                                                                                                                                                                                                 |
| Easy Living   | 1248 1709 2005 1666                                                                                                                                                                                       |
| Easy Touch    | 2059                                                                                                                                                                                                      |

|                 |                                              |                 |                                              |
|-----------------|----------------------------------------------|-----------------|----------------------------------------------|
| ECG             | 3067 2197 2239 2125 0037 1037                | Hitachi Fujian  | 0037 0556                                    |
| Elbe            | 0037 0556                                    | Höher           | 0714 3434 2676 1163                          |
| Electrion       | 1585                                         | Hornymphon      | 0037 0556                                    |
| Elekta          | 0037 0556                                    | Hugoson         | 1666                                         |
| Elfunk          | 1037                                         | Humax           | 1295                                         |
| ELG             | 0037 0556                                    | Hypson          | 0037 0556 0714 1037 0668                     |
| Elin            | 0037 0556                                    | Hyundai         | 0037 0556 1667 1770 3719 1037 2676 1163 3528 |
| Elite           | 0037 0556                                    | Iberia          | 0037 0556                                    |
| Elonex          | 1776                                         | ICE             | 0037 0556                                    |
| Emerson         | 0714 0178 0037 0556 0668                     | Ict             | 0037 0556                                    |
| e-motion        | 1709 2426 2106 4142                          | i-Joy           | 2868 3067 3528                               |
| Enox            | 2673                                         | Imperial        | 0037 0556 2197                               |
| Erisson         | 1682                                         | Indiana         | 0037 0556                                    |
| Erres           | 0037 0556                                    | Ingelen         | 0714                                         |
| Essentials      | 2486                                         | Ingo Devices    | 2239                                         |
| Etron           | 0037 0556                                    | Inno Hit        | 1037 1667 0037 0556 2676 2279 1163 1585      |
| EuroLine        | 0037                                         | Innovation      | 0037 0556                                    |
| Euroman         | 0037 0556                                    | Innowert        | 1298                                         |
| Europa          | 0037 0556                                    | Inovia          | 4314                                         |
| Europhon        | 0037 0556                                    | Interactive     | 0037 0556 0512                               |
| Eurovision      | 1163                                         | Interbuy        | 0037 0512 0556                               |
| Evesham         | 1248 1667                                    | Interfunk       | 0037 0556 0512                               |
| Evotel          | 2561 3589                                    | Internal        | 0037 0556                                    |
| Excel           | 0037 0556                                    | Intervision     | 0037 0556                                    |
| Excello         | 1037                                         | Irradio         | 0037 0556 0714                               |
| Exquisit        | 0037 0556                                    | Isis            | 2676 1163 1037 4340                          |
| F&U             | 2676                                         | Isukai          | 0037 0556                                    |
| Fagor           | 0037 0556                                    | ITS             | 0037 0556                                    |
| Family Life     | 0037 0556                                    | ITT             | 2125 0208 1523 2399 2675 2676 1163 4340      |
| Fenner          | 1667 1163                                    | ITT Nokia       | 0208                                         |
| Ferguson        | 0625 1037 2393 0037 0556 0653 2275 1865 2426 | ITV             | 0037 0556                                    |
|                 | 3005 3067 2106 2676 2339 2279                | Jay-tech        | 3067 3611 2239                               |
|                 | 0512 0037 0556                               | JGC             | 1709                                         |
| Fidelity        | 0208                                         | JMB             | 2676 0037 0634 0556 2426                     |
| Finlandia       | 0037 0556 0714 1585 1667 0808 1248 2676 1163 | JTC             | 3067 3611                                    |
| Finlux          | 4340 3719                                    | Jubilee         | 0556                                         |
|                 | 0037 0556 0668 0714 0208 1037 0808 1363 1163 | JVC             | 0653 4340 2118 1818 3719 2676 2714 0093 0650 |
| Firstline       | 0208                                         |                 | 3296 2005 3047 3802                          |
| Fisher          | 0037 0556                                    | Kaisui          | 0037 0556                                    |
| Flint           | 2391 0178 1840                               | Karcher         | 0037 0556 0714 2125                          |
| Foehn & Hirsch  | 0037 0556                                    | Kathrein        | 0556 0037                                    |
| Formenti        | 0093                                         | Kendo           | 2676 0037 0556 0512 1585 1037 1163           |
| Fortress        | 0037 0556                                    | Kenmark         | 2393                                         |
| Fraba           | 1636                                         | Kennex          | 1037                                         |
| Freesat         | 0037 0556                                    | Kenstar         | 2548                                         |
| Friac           | 1709 3719                                    | Keymat          | 1413                                         |
| Fujicom         | 0037 0556                                    | Kingsbrook      | 1037                                         |
| Fujitsu         | 1666 1298 1248 1163 0808                     | Kiton           | 0556 0037 0668                               |
| Fujitsu Siemens | 1817 1595 1394 1666 1037 3719 0668 1505 0714 | Kneissel        | 0037 0556                                    |
| Funai           | 1652                                         | Kobra           | 1298                                         |
|                 | 0037 0556                                    | Kolster         | 0037 0556                                    |
| Future          | 1037 0037                                    | Konka           | 0037 0556 0714                               |
| Gaba            | 0037 0556                                    | Korpel          | 0037 0556                                    |
| Galaxi          | 0037 0556                                    | Kosmos          | 0037 0556                                    |
| Galaxis         | 0556                                         | Kunft           | 3434 4340                                    |
| Garza           | 0178 0625                                    | Küppersbusch    | 2676 0037 1667                               |
| GE              | 0037 0556                                    | L&S Electronic  | 0714                                         |
| GEC             | 0037 0556                                    | Lava            | 2197                                         |
| Genesis         | 0037 0556                                    | Lavis           | 1037 0037                                    |
| Genexxa         | 1298 0808                                    | Lazer           | 3719                                         |
| Gericom         | 1363                                         | Lecson          | 0037 0556                                    |
| G-Hanz          | 2676 1163 1667 0037 1037 4340 1585 3719      | Lenco           | 2799 0037 0556 1037 1983 2339                |
| GoGen           | 1770                                         | Levis Austria   | 0037 0556                                    |
| Gold            | 0668                                         | Leyco           | 0037 0556                                    |
| Goldfunk        | 0037 0178 0556 0714                          | LG              | 0178 2182 1840 1423 1860 0037 0714 0556 4086 |
| GoldStar        | 1585 2393 1667 2223 1687 1645 1523 2214 0634 | Liesenköttler   | 0037 0556                                    |
| Goodmans        | 1720 1682 0808 0037 2676 1709 1983 0556 0714 | Lifetec         | 0037 0668 1037 0512 0556 0714 1248           |
|                 | 0668 1163 1037 0625 2005                     | Linetech        | 2676 1163                                    |
|                 | 1585 1667 2676                               | Linsar          | 1585 2676 2279 1667 1163 1037 3719 4340      |
| Gorenje         | 0653 0037 0556                               | Lodos           | 1037                                         |
| Gradiente       | 0714 0037 0556 1163 1585 1667                | Loewe           | 0633 0512 1884                               |
| Graetz          | 2197                                         | Logik           | 2457 2486 1687 3831 3802 3005 1585 2530 1865 |
| Gran Prix       | 0037 0556 0208                               |                 | 1037 3719                                    |
| Granada         | 0037 1652 0556 0714 0668 1037 2125 2676 1667 | Logix           | 0668 2426                                    |
| Grandin         | 3434 4340                                    | Lowry           | 3268                                         |
|                 | 1223 3296 0195 2676 2890 3433 2059 2125 3067 | Luma            | 0037 0556                                    |
| Grundig         | 1687 2239 2561 1037 0037 0556 0178 1667 1645 | Lumatron        | 0037 0556                                    |
|                 | 1523                                         | Lumenio         | 0037                                         |
|                 | 1163 1523 2799 3528                          | Lux May         | 0037 0556                                    |
| Grunkel         | 2037 3611                                    | Luxor           | 4340 0208 1037 2676 1667 1163                |
| GVA             | 0808                                         | LXI             | 0178                                         |
| H&B             | 4314 2214 3790 2530                          | Madison         | 0037 0556                                    |
| Haier           | 2676                                         | MAG             | 2239                                         |
| Handic          | 2786 1776 2818 2214                          | Magnavox        | 0037 0556                                    |
| Hannspree       | 0037 0556 0634 0714 0808 0625                | Magnum          | 0714 0037 0556                               |
| Hanseatic       | 2197 0037 0556                               | Majestic        | 2799 3611                                    |
| Hantarex        | 0037 0556                                    | Manesth         | 0037 0556                                    |
| Hantor          | 0037 0556                                    | Manhattan       | 0037 0556 0668 1037                          |
| Harwood         | 0037 0556                                    | Maqma           | 1298 1709                                    |
| Hauppauge       | 0037 0556                                    | Marantz         | 0037 0556                                    |
| HCM             | 0556 0037                                    | Mark            | 0037 0556 0714                               |
| Hedzon          | 1298                                         | Marks & Spencer | 1770 2673                                    |
| Hicon           | 0037 0556                                    | Mascom          | 0556 0037 2125 1585 2197                     |
| Highline        | 1983                                         | Master's        | 0037                                         |
| Hikona          | 0208 0037 0556                               | Masuda          | 0037 0556                                    |
| Hinari          | 0714                                         | Matsui          | 2486 0195 0208 1666 1667 2279 1037 2561 0037 |
| Hisawa          | 1363 2341 0208 2037 2399                     |                 | 0556 0714 2676                               |
| Hisense         | 2207 2676 2000 1576 4340 1585 3719 2005 2214 | Matsushita      | 0650                                         |
| Hitachi         | 1667 1037 1687 0634 1163 0037 0556 0178 2279 | Maxess          | 2493                                         |

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| Mediator          | 0037 0556                                                                            |
| Medion            | 2719 1248 2676 0808 1037 1667 1585 0714 0037 0556 0668 0512 2239 2279 1849 1163 4340 |
| Megatron          | 0178                                                                                 |
| MEI               | 1037 0037 0556                                                                       |
| Meletronic        | 0037 0512 0556 0634 0195 0714 1652                                                   |
| Memorex           | 0178 0650                                                                            |
| Memory            | 1983                                                                                 |
| Mercury           | 0037 0556                                                                            |
| Metz              | 1533 1163 0195 0037 0556 0668 1037                                                   |
| MGA               | 0178 0037 0556                                                                       |
| Micromaxx         | 0037 0556 0668 1037 0808 0714                                                        |
| Microstar         | 0808                                                                                 |
| Miia              | 2868                                                                                 |
| Mikomi            | 1163 1585 1667 0037                                                                  |
| Minato            | 0037 0556                                                                            |
| Minerva           | 1248 0195                                                                            |
| Ministry of Sound | 1667                                                                                 |
| Minoka            | 0037 0556                                                                            |
| Mirai             | 1666 1852 1651 1505                                                                  |
| Mitsai            | 3434                                                                                 |
| Mitsubishi        | 0512 0093 0178 0037 0556 0208 1037                                                   |
| Mivar             | 0609                                                                                 |
| Moree             | 0037                                                                                 |
| Morgan's          | 0037 0556                                                                            |
| Motorola          | 0093                                                                                 |
| mp man            | 3296                                                                                 |
| MTC               | 0512                                                                                 |
| MTLogic           | 0714                                                                                 |
| Multitec          | 0037 0556 0668 1037                                                                  |
| Multitech         | 0037 0556                                                                            |
| Murphy            | 2005 1849 2673 4340 2676 1667 1163                                                   |
| Musikland         | 0037 0556                                                                            |
| Mx Onda           | 1687 1983 1523 1645                                                                  |
| MyCom             | 0178                                                                                 |
| Myryad            | 0556 0037                                                                            |
| Mystery           | 2530 3296 3047                                                                       |
| Nabo              | 4501                                                                                 |
| NAD               | 0178                                                                                 |
| Naiko             | 0037 0556                                                                            |
| Nakimura          | 0037 0556                                                                            |
| NEC               | 2461 0037 0556 0653                                                                  |
| Neckermann        | 0037 1505 0556 0512                                                                  |
| NEI               | 0037 0556 1037                                                                       |
| Neon              | 2673 1770                                                                            |
| Netsat            | 0037 0556                                                                            |
| Neufunk           | 0037 0556 0714                                                                       |
| Nevir             | 2799 2676 3719 3528                                                                  |
| New Tech          | 0037 0556                                                                            |
| Nikai             | 1163                                                                                 |
| Nikkai            | 0037 0556 1667                                                                       |
| Nikkei            | 0714 2197 3790 1585 2676 2279 1667                                                   |
| Nikko             | 0178                                                                                 |
| Nokia             | 0208                                                                                 |
| Nordmende         | 1413 2548 0195 0037 0556 1248 0714 1585 1667 1163 0625 2676                          |
| Normerel          | 0037 0556                                                                            |
| Nortek            | 0668                                                                                 |
| Novak             | 0037 0556                                                                            |
| Novatronic        | 0037 0556                                                                            |
| Novex             | 1523                                                                                 |
| Novita            | 1585                                                                                 |
| NPG               | 3434                                                                                 |
| Nu-Tec            | 0037 0556                                                                            |
| O.K.Line          | 1037                                                                                 |
| Oceanic           | 0208                                                                                 |
| Odys              | 2799 2719 2239 2457 2530                                                             |
| OK.               | 3434 2676 3067 3802 2239 3047 4340                                                   |
| Okano             | 0037 0556                                                                            |
| OKI               | 3434 1667 1585 2676 2125 2947 2279 1037                                              |
| Onei              | 1667                                                                                 |
| Onimax            | 0714                                                                                 |
| Onn               | 1709 2125 0556 1667 1770 2279                                                        |
| Onyx              | 1709 1770                                                                            |
| Opera             | 0037 0556 0714 1585                                                                  |
| Optimus           | 0650                                                                                 |
| Optonica          | 0093                                                                                 |
| Orava             | 1037 1163                                                                            |
| Orbit             | 0037 0556                                                                            |
| Orion             | 2005 4340 2032 2108 2000 0714 0037 0556 1037 2676 0808                               |
| Orline            | 0037 0556                                                                            |
| Ormond            | 0668 1037 0037 0556                                                                  |
| Osaki             | 0037 0556                                                                            |
| Osio              | 0037 0556                                                                            |
| Osume             | 0037 0556                                                                            |
| OTIC              | 1687 1523 1645 1983                                                                  |
| Otto Versand      | 1505 0093 0512 0037 0556 0195                                                        |
| Pacific           | 0037 0556 0714 1037                                                                  |
| Palladium         | 0037 0714 1505 0556                                                                  |
| Palsonic          | 2461 0037 0556 3067                                                                  |
| Panache           | 1585                                                                                 |
| Panama            | 0037 0556                                                                            |
| Panasonic         | 1636 0650 1650 0037 0556 4340 2676 4501                                              |
| Panavision        | 0037 0556                                                                            |

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|----------------|---------------------------------------------------------------------------------|
| Papouw         | 0037 0556                                                                       |
| PEAQ           | 4340 3649 2676                                                                  |
| Perdio         | 0037 0556                                                                       |
| Perfekt        | 0037 0556                                                                       |
| Philco         | 0037 0556                                                                       |
| Philips        | 1506 2800 0556 1887 0037 0639 3614 2768 2813 0605 3790 2214 3678 4209           |
| Phocus         | 0714 1652                                                                       |
| Phoenix        | 0037 0556                                                                       |
| Phonola        | 0037 0556                                                                       |
| Pilot          | 0556 0037 1709 3434                                                             |
| Pioneer        | 1457 1260 0037 0512                                                             |
| Plantron       | 0037 0556                                                                       |
| Playsonic      | 0714 0037 1652                                                                  |
| Polar          | 0037                                                                            |
| Polaroid       | 3611 1645 2676 1523 3719 4132 1720 3589 1667 1687 3296 4340 2125                |
| Powerpoint     | 0037 0556 1770                                                                  |
| Pragma Digital | 0808                                                                            |
| Prinston       | 1037                                                                            |
| Pro Vision     | 0037 0556 1037 0714                                                             |
| Profitronic    | 0037 0556                                                                       |
| ProLine        | 0634 1037 0625 0037 0556 2223 2676 2393 1163 1585 1667 3434                     |
| Proscan        | 2561                                                                            |
| Prosonic       | 0037 0556 1865 0668 0714 2676 1770 2106 1709 1163 2197 2125 1849 1523 2279 2457 |
| Protech        | 0037 0556 0668 1037                                                             |
| Proton         | 0178                                                                            |
| Proview        | 1687 1645                                                                       |
| PVision        | 2676                                                                            |
| Pye            | 0037 0556                                                                       |
| Q.Bell         | 2561                                                                            |
| Q.Media        | 2339 2799                                                                       |
| Qilive         | 4340                                                                            |
| QONIX          | 3067                                                                            |
| Quadro         | 0556 0037 1163 1667                                                             |
| Quasar         | 0650                                                                            |
| Quelle         | 0037 1505 0512 0668 0556 0195 1037                                              |
| Radialva       | 0037 0556                                                                       |
| Radiola        | 0037 0556                                                                       |
| Radiomarelli   | 0037 0556                                                                       |
| Radionette     | 0714                                                                            |
| RadioShack     | 0037 0556 0178                                                                  |
| Radiotone      | 0037 0556 0668 1037                                                             |
| RCA            | 0625 0093                                                                       |
| Realistic      | 0178                                                                            |
| Recor          | 0037 0556                                                                       |
| Rectiligne     | 0037 0556                                                                       |
| Red            | 2032                                                                            |
| Red Star       | 0037 0556                                                                       |
| Reflex         | 0037 0556 1037 0668                                                             |
| Relisys        | 1298 1585 1589 1645                                                             |
| Reoc           | 0714 0634 2197                                                                  |
| Revox          | 0037 0808 0556                                                                  |
| RFT            | 0037 0556                                                                       |
| Ricoh          | 0037 0556                                                                       |
| R-Line         | 0037 0556                                                                       |
| Roadstar       | 1037 0037 0556 0714 0668                                                        |
| Rodex          | 0037 0556                                                                       |
| Rolsen         | 0037 0556 2037                                                                  |
| Romsat         | 3719                                                                            |
| Rowa           | 0037 0556                                                                       |
| Rukopir        | 0556 0037                                                                       |
| Saba           | 0625 3434 0650 0714 2676 1585 4340                                              |
| Saga           | 2197                                                                            |
| Sagem          | 0618                                                                            |
| Saisho         | 0634                                                                            |
| Saivod         | 0037 0556 1163 0668 1037 1667                                                   |
| Salora         | 4340 0208 2125 2197 2676                                                        |
| Samsung        | 2051 0812 3131 1458 0618 0556 1312 2103 0037 0178                               |
| Sandström      | 2399 2197 3802                                                                  |
| Sansui         | 0037 1682 1709 0556 0714 1248                                                   |
| Sanyo          | 0208 1585 2461 2676 1667 0037 0556 1037 1163 2279                               |
| Save           | 0037 0556                                                                       |
| SBR            | 0037 0556                                                                       |
| Schaub Lorenz  | 0714 2197 1363 1667 2125 2676 1163 3268 2289 1585 2279 4340                     |
| Schneider      | 2676 0037 0556 1585 3528 0668 1037 0714                                         |
| Schönteich     | 1037                                                                            |
| Scott          | 1523 1983 0178                                                                  |
| Sears          | 0178                                                                            |
| Seaway         | 0634                                                                            |
| Seeltech       | 3268 3067                                                                       |
| Seelver        | 0556 1037 0037                                                                  |
| SEG            | 1037 3434 0668 1163 2673 2125 1523 0556 0037 0634 2719 1585                     |
| SEI            | 1505 0037 0556                                                                  |
| Seiki          | 4132                                                                            |
| Sei-Sinudyne   | 1505 0037 0556                                                                  |
| Selecline      | 3296 4340                                                                       |
| Sensor         | 0714 3067 2239 2197 4132                                                        |
| Sense          | 1849                                                                            |
| Serie Dorada   | 0178                                                                            |
| Serino         | 0093                                                                            |
| Sharp          | 1659 2676 0093 3790 2214 0653 1163 4340 3719                                    |
| Shinelco       | 2530                                                                            |

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|-----------------|----------------------------------------------|--------------------|----------------------------------------------|
| Shintoshi       | 0037 0556                                    | Thomson Life       | 0625                                         |
| Shivaki         | 0037 0556 0178                               | Thorn              | 1505 0037 0556 0512                          |
| Show            | 0037                                         | TMK                | 0178                                         |
| Siemens         | 0195 0037 0556                               | Tokai              | 0037 0556 0668 1037 3067 3611                |
| Siera           | 0037 0556                                    | Tokaido            | 1037                                         |
| Silva           | 0037 0556                                    | Topline            | 1037 0668                                    |
| Silva Schneider | 2125 2197 3067                               | Toshiba            | 1508 2676 2732 1652 1667 0195 0618 0037 0650 |
| Silver          | 0037 0556                                    |                    | 0178 1037 2598 1163 3719                     |
| SilverCrest     | 1037 0037 0556 2676                          | Tosumi             | 1770                                         |
| Singer          | 0037 0556                                    | TRANS-continents   | 0668 1037 0556 0037                          |
| Sinudyne        | 2676 1667 1505 0037 0556                     | Transonic          | 0037 0556 0512 1363 3528 4089                |
| Sky Media       | 0037 0178 0556 1709                          | Triad              | 0037 0556                                    |
| SLX             | 0668                                         | Trio               | 1687 1523 1645 1248                          |
| Soemtron        | 1298                                         | Triumph            | 0556 0037                                    |
| Sogo            | 3067                                         | Tucson             | 2676                                         |
| Solavox         | 0037 0556                                    | TV Star            | 3528                                         |
| Soniko          | 0037 0556                                    | TVE                | 2239                                         |
| Soniq           | 2493 3168 1298 3005                          | TVTEXT 95          | 0556                                         |
| Sonitron        | 0208                                         | Uher               | 0037 0556                                    |
| Sonnecclair     | 0037 0556                                    | Ultravox           | 0037 0556 1585                               |
| Sonoko          | 0037 0556                                    | UMC                | 2426 1709 1849 2059 2106 2168 4142           |
| Sonolor         | 0208 1505                                    | Unic Line          | 0037 0556                                    |
| Sontec          | 0037 0556                                    | Uniden             | 1585 2676 1037 0037 3047 1667 1163           |
| Sontech         | 1983                                         | United             | 0714 1983 0037 2799 0556 1037 2530 1849 1652 |
| Sony            | 1825 2778 1505 1651                          |                    | 3296 3434 1770 1523 2125 1163                |
| Sound & Vision  | 0037 0556                                    | Unitek             | 1709                                         |
| Soundesign      | 0178                                         | Universal          | 0714 0037 0556                               |
| Soundwave       | 0037 0556 2673                               | Universum          | 0808 1037 0037 1163 0668 0195 0512 0556 1505 |
| SOVOS           | 2239                                         |                    | 0618                                         |
| Soyo            | 1709                                         | Univox             | 0037 0556                                    |
| Standard        | 0037 2032 0556 1682 1037 1709 2799           | V7 Videoseven      | 0178 1666 0618 1651 1505                     |
| Starion         | 1037                                         | Vanguard           | 0037 0556                                    |
| Starlite        | 0037 0556                                    | VD-Tech            | 2799 3067                                    |
| Strato          | 0037 0556                                    | Venturer           | 1865 3005                                    |
| Strong          | 1163 1037 0037 0556                          | Veon               | 3528 4089 3611                               |
| Sungoo          | 1248 2037                                    | Vestel             | 2676 1037 1163 1585 1667 0037 0668 0556      |
| Sunic Line      | 0037 0556                                    | Vexa               | 0037 0556                                    |
| Sunkai          | 0037 0556 1523                               | Victor             | 0653                                         |
| Sunny           | 0037                                         | Videocon           | 2548 3296                                    |
| Sunstar         | 0037 0556                                    | VideoSystem        | 0037 0556                                    |
| Sunstech        | 2676 2530 4340                               | Vidtech            | 0178                                         |
| Sunwood         | 0037 0556                                    | ViewSonic          | 2111                                         |
| Supersonic      | 0208 0556 0037                               | Vision             | 0037 0556                                    |
| SuperTech       | 0037 0556                                    | VisionPlus         | 2426 2106                                    |
| Supra           | 0178 0037 3047 2947                          | Vistron            | 1363                                         |
| Supratech       | 3067 2457                                    | Visual Innovations | 2106                                         |
| SVA             | 0208                                         | Vivax              | 0037 1709                                    |
| Svasa           | 0208                                         | Vivid              | 3611                                         |
| Swisstec        | 1709 1776 1849 2059                          | Vortec             | 0037 0556                                    |
| Sysline         | 0037 0556                                    | Voxson             | 0037 0556 0178 2197                          |
| Tandy           | 0093                                         | VU                 | 2399                                         |
| Targa           | 0618                                         | Walker             | 1667 2279 2676 1163 0037 1037 1585 3719 4340 |
| Tatung          | 1720 0037 1248 0556                          | Walham             | 2676 0037 0556 0668 1037                     |
| Taurus          | 2197 3067                                    | Watson             | 1037 1248 0556 0037 0668                     |
| TCL             | 3047 3649 2675 0625 2530                     | Wega               | 0037 0556                                    |
| TCM             | 0714 0808                                    | Wegavox            | 0037 0556 1667                               |
| TD Systems      | 2676 3719                                    | Welltech           | 0714 1652                                    |
| Teac            | 1645 2168 0037 3005 1037 0556 2457 0512 0668 | Weltblick          | 0037 0556                                    |
|                 | 0178 0714 1363 1770 1709 2032 2714 1983      | Weltstar           | 1037                                         |
| TEC             | 0037 0556                                    | Weston             | 0037 0556                                    |
| Tech Line       | 0037 1585 0556 0668 1163                     | Westwood           | 1585                                         |
| Technical       | 1667 2676                                    | Wharfedale         | 1983 1667 0037 1037 0714 0556                |
| Technics        | 0650                                         | White Westinghouse | 0037 0556                                    |
| Technika        | 2106 2676 2426 4142 2197 1667 2168 1865 1849 | Wilson             | 0556                                         |
|                 | 2059 1983 2125 3067 2032 1585 3005           | Windsor            | 0668 1037 3719                               |
| TechniSat       | 4340 0037 0556                               | Windy Sam          | 0556                                         |
| Technisson      | 0714 1652                                    | Wintel             | 0714                                         |
| Techno          | 1585 1037                                    | World-of-Vision    | 1298                                         |
| Technol Ace     | 0634                                         | Xenius             | 0634 1667 2676 1585                          |
| Technosonic     | 0625 2032 0556 0037 0714                     | Xiron              | 1983 1037                                    |
| Techvision      | 1709 2032                                    | Xomax              | 1770 3067                                    |
| Techwood        | 1163 2676 3719 1037 1667 2279                | Xrypton            | 0037 0556                                    |
| Tecnimagen      | 0556                                         | Yamaha             | 0650 1576                                    |
| Teco            | 1523                                         | Yamishi            | 0037 0556                                    |
| Tedelex         | 0037 0208 0556 1709 1682                     | Yokan              | 0037 0556                                    |
| Tek             | 0037                                         | Yoko               | 0037 0556                                    |
| TELE System     | 2125 1585 1037 0037 2530 1667 2676 3434      | YU-MA-TU           | 0037                                         |
| Telecor         | 0037 0556                                    | Zepto              | 1585                                         |
| Teledex         | 0037                                         |                    |                                              |
| Telefunken      | 0625 1667 2799 2239 4340 0808 0037 0556 0714 |                    |                                              |
|                 | 1585 1163 2676 3719                          |                    |                                              |
| Telefusion      | 0037 0556                                    |                    |                                              |
| Telegazi        | 0037 0556                                    |                    |                                              |
| Telemester      | 0037 0556                                    |                    |                                              |
| Telesonic       | 0037 0556                                    |                    |                                              |
| Telestar        | 0037 0556 1849                               |                    |                                              |
| Teletech        | 0037 0556 0668 1037                          |                    |                                              |
| Television      | 0037 0556                                    |                    |                                              |
| Tempest         | 0037 0556                                    |                    |                                              |
| Tennessee       | 0037 0556                                    |                    |                                              |
| Tensai          | 0037 0556 1037                               |                    |                                              |
| Terra           | 4314                                         |                    |                                              |
| Tesco           | 2426                                         |                    |                                              |
| Tesla           | 0037 1037 0668 0714 1652 0556                |                    |                                              |
| Tevion          | 0714 1667 2032 1248 0668 2197 3268 0808 0556 |                    |                                              |
|                 | 1037 2339 1298 2530 1645 1687 1585 2125 0037 |                    |                                              |
|                 | 2289 1523                                    |                    |                                              |
| Thes            | 1849 2947                                    |                    |                                              |
| Thomson         | 0625 3047 2675 3649 0037 0556                |                    |                                              |