

ABOUT YOUR KAMELEON 4	2
BATTERIES	2
THE KEYPAD	3 - 9
• "EL" Screen activation setting	3
(Activation by touching screen and remote simultaneously and/or by keypress)	
• "EL" Screen brightness adjustment	3
• "EL" On time setting	4

SET UP

• SETTING UP THE KAMELEON 4	Page 10
(How to set up the KAMELEON 4 to control your devices)	

• Search Method	11
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SET-UP CODES

• Televisions	25
• Video Recorders	37
• Satellite Receivers	41
• Cable Converters	46
• Video Accessory	47
• DVD Players	47

CODE BLINK OUT	12
(To find out which code is currently programmed)	

QUICK CODE REFERENCE	12
-----------------------------------	----

LEARNING FEATURE	13 - 15
(How to copy functions from your original working remote onto the KAMELEON 4)	

EXTRA FEATURES

• Mode re-assignment (How to set up two of the same devices on the KAMELEON 4)	16
• Colour & Brightness	17
• Channel +/- simulation	17
• Volume Punch-Through	18
• Device Sleep timer	19
• KAMELEON 4 - Timer	19
• KAMELEON 4 - Recall	20
• Macros (sequence of commands)	21 - 22
• Key Magic® (How to program missing functions)	23

TROUBLE-SHOOTING

• Problem & Solution	24
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About Your **KAMELEON 4**

Easy to use unique "EL" display

By choosing the ONE FOR ALL **KAMELEON 4** universal remote control you have opted for easy use. Your **KAMELEON 4** features a unique, user-friendly backlit display, which ensures you have easy access to all the keys you need, whilst hiding those you don't. Made of the strictest quality, it will provide long-term satisfaction. After replacing batteries, you will need to first press any key before the screen will light up. From then on, the display will automatically illuminate whenever the remote is picked up (touching screen and remote simultaneously). It is also possible to change the activation-mode into activation by key press. To set the "EL" display to activation by key press, see page 3, section: "EL" screen activation setting. Also, this product comes with a build-in light sensor which will increase the brightness in a bright environment and decrease the brightness in a dark environment.

Controls up to 4 devices

Your **KAMELEON 4** is designed to let you use one remote to operate four devices (a television, satellite receiver / cable box, video recorder, DVD player) designed to be operated by an infrared signal. Your **KAMELEON 4** comes with 2 IR (infrared) wide range transmitters for maximum range and is High Frequency capable up to 450 kHz.

Learning feature

The **KAMELEON 4** comes equipped with the unique "learning feature", which means that you can copy almost any function (max. ± 30) from your original (working) remote control onto your new **KAMELEON 4** (See "Learning Feature" on page 13). This comes in handy, when after having setup your **KAMELEON 4** you may find that some functions from your original remote are missing on your **KAMELEON 4** key pad.

Macros (sequence of commands)

Your **KAMELEON 4** comes with an easy-to-use Macro feature, allowing you to send several commands with the press of a single key (for example turning a few devices on or off). You can use the custom keys (A, B, C) for this feature. Once you programmed a macro on one of these keys, the sequence will be performed in every mode.

Batteries

Your **KAMELEON 4** requires 2 AA/LR6 batteries.

1. Push the battery door upwards and lift it up to remove it.
2. Match the batteries to the (+) and (-) marks inside the battery case, then insert the batteries.
3. Replace the battery cover by pushing downwards and allowing it to click back into position.

- *After re-installing the batteries, the entire "EL" display will be lit for a duration of 6 seconds upon the first key press after which it will default to the TV mode.*

Low Voltage Indicator

As soon as the batteries run out of power the **KAMELEON 4** will indicate this. The IR indicator will flash 5 times whenever you press a key. Please make sure to replace the batteries with 2 new AA/LR6 alkaline batteries.

The Keypad

This product features an "EL" panel (Electro Luminescence technology) which is activated by touching screen and remote simultaneously and/or by keypress. In order to save battery life, the "EL" screen will stay illuminated for 8 seconds during normal use. If you want you can change the **"EL" Screen activation setting** from activation by touching screen and remote simultaneously and/or by keypress. If you want you can also change the **"EL" On time setting**. It is also possible to adjust the **"EL" Screen brightness-settings** on the **KAMELEON 4** "EL" panel. One of the key features of the **KAMELEON 4** is the "EL" display, which changes to suit the device you are controlling. The overview on page 4 and 5 will show you all the possible screens and the functions that you will obtain.

	= MAGIC (hat) key
	= The animated IR Indicator that will light up during programming

"EL" Screen activation setting

The **KAMELEON 4** features an "EL" panel which is activated **by touching screen and remote simultaneously** or **by keypress**.

It is possible to **lock** the **KAMELEON 4** to one activation setting:

-  **Press and hold the MAGIC key until the rabbit comes out of the hat** (the screen will change to the setup screen). 
-  Press **OTHER**.
-  Now press **9 8 9**. The IR Indicator will blink twice (or 4 times).
 - > If the animated IR Indicator blinks **twice** the "EL" panel will be **activated only by touching screen and remote simultaneously**.
 - > If the animated IR Indicator blinks **four times** the "EL" panel will be **activated only by keypress**.

Simply perform these steps to lock the **KAMELEON 4 to the activation setting that you prefer.**

"EL" Screen brightness adjustment

To increase or decrease the brightness of the **KAMELEON 4** "EL" screen:

-  **Press and hold the MAGIC key until the rabbit comes out of the hat** (the screen will change to the setup screen). 
-  Press **BRIGHT**.
- >  To increase the brightness of the "EL" screen press and hold **CH+**.
 ->  To decrease the brightness of the "EL" screen press and hold **CH-**.
-  Press **ESC** to store the brightness setting and return to the setup screen.

- Increasing the brightness of the **KAMELEON "EL"** panel can decrease the battery life. Battery life varies from 3 - 12 months (depending on brightness setting and usage).

The Keypad

"EL" On time setting

To change the time (default: 8 sec.) that the *KAMELEON 4* "EL" screen will be ON, after each keypress during use of the remote (not programming mode):

- 
Press and hold the MAGIC key until the rabbit comes out of the hat (the screen will change to the setup screen).

- 
 Press **OTHER**.
- 
 Press **9 7 8**.
- 
 Press **1, 2, 3, 4 or 5** (e.g. 1 = 4 seconds) depending on your choice, see table below. The animated IR Indicator will blink twice and the remote will return to the setup screen.

Selection	"EL" On Time
1	4 seconds
2	8 seconds (default)
3	12 seconds
4	16 seconds
5	20 seconds

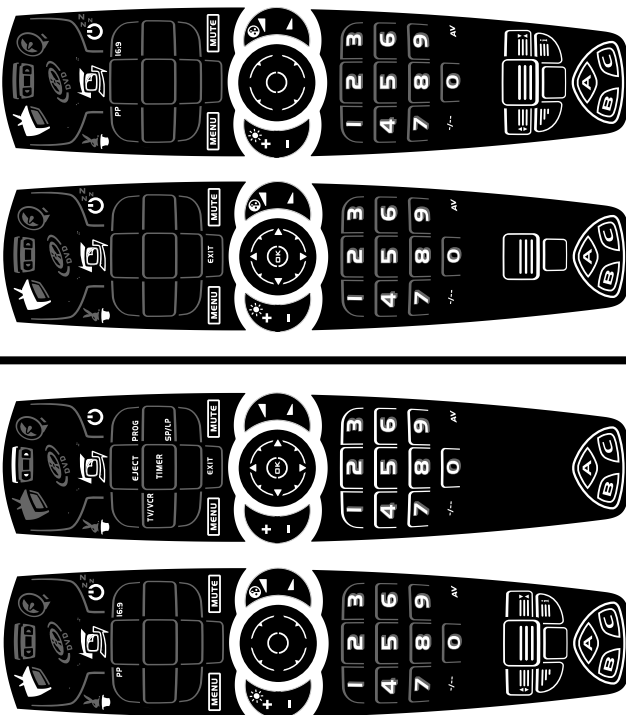
TV

Menu

Text

VCR

Menu



SAT Menu/PVR



The Keypad



IR (infra-red) Indicator

The IR Indicator animates when IR is being "sent" or "received". The *KAMELEON 4* animated IR Indicator will show "outgoing IR" whenever a function key is pressed. When using the "Learning Procedure" the animated IR indicator will show "incoming IR". The IR Indicator will give feedback when keys are pressed both during normal use and in programming mode (the bottom part of the IR indicator will blink).



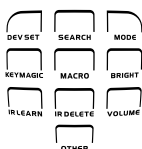
Device keys

The TV, VCR, SAT and DVD keys select the device to be controlled. For example pressing the TV key allows the remote to control the functions of your Television, after pressing VCR you can operate your Video Recorder, after pressing the SAT key you can operate your Satellite Receiver or Cable Converter etc. (see page 10 for more details). After pressing a device (mode) key on your *KAMELEON 4* the applicable device icon will light up, to show the currently activated mode. Pressing the device key will allow you to return to the main screen (TV, VCR, SAT modes).



MAGIC (in "shifted" or "programming" mode)

The MAGIC key is used to set up your *KAMELEON 4* and to access special functions. If you press this key shortly, the screen will go into "shifted" mode (for 10 seconds) which will give access to some secondary functions such as color, brightness and sleep timer.



Programming mode

If you press the MAGIC key longer (about 3 seconds), the *KAMELEON 4* will go into "programming" mode. The screen will change to the "setup screen" and the rabbit appears.

You will obtain the following setup functions:

DEV SET	• Device Setup mode
SEARCH	• Search Method
MODE	• Mode re-assignment
KEY MAGIC	• How to program missing functions
MACRO	• How to setup a key (A, B or C) with a Sequence of commands
BRIGHT	• "EL" Screen brightness adjustment
IR LEARN	• How to copy functions from your original working remote onto the <i>KAMELEON 4</i>
IR DELETE	• Deleting learned function
VOLUME	• Volume punch through feature
OTHER	• Channel simulation • Variable EL On time (4 sec, 8 sec, 12 sec, 16 sec, 20 sec) • Operational Reset • <i>KAMELEON 4</i> - Timer • EL screen activation setting • Code Verification • Modem Upgrade



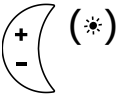
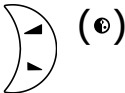
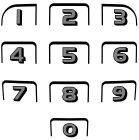
SCROLL

The SCROLL key gives you the possibility to move through the different screens (if applicable) within a certain mode during normal use and programming mode. This only applies in TV, VCR and SAT modes.

The Keypad

5.  **POWER (in shifted mode; Sleep timer)**
The POWER key controls the same function as on your original remote. In shifted mode (accessed by pressing MAGIC shortly and releasing it) the POWER key becomes the Sleep timer function (see page 19).
6.  **PP / RANDOM**
In TV and SAT mode this key may feature the "Last Channel", "Previous Program" or "Recall" function (depending on your original remote control). In DVD mode you will obtain the RANDOM (or shuffle) function.
7.   **PVR / EJECT**
In SAT mode the "PVR" key will change the screen into SAT PVR (Personal Video Recorder), which will bring up the transport functions (REW, PLAY, FF etc.). If your digital satellite receiver or cable converter has a built in recording function, you can operate it with these keys. If available on your original remote you will obtain the EJECT function (in VCR, DVD modes).
8.   **16:9 / PROG**
In TV mode you will obtain the 16:9 (screen format) function. In VCR, DVD mode you will obtain the PROG (program) function.
9.    **TV/SAT / TV/VCR / TV/DVD**
In SAT mode you will obtain the TV/SAT function. In VCR mode you will obtain the TV/VCR function. In DVD mode you will obtain the TV/DVD function.
10.   **INFO / TIMER**
In SAT and DVD mode you can select the "info" function. In VCR mode you will obtain the TIMER RECORD or TIMER ON/OFF function.
11.   **FAV / SP/LP**
In SAT mode you will obtain the FAV (favourite) function. In VCR mode you will obtain the SP/LP (tape speed) function.
12.  **AUDIO**
In DVD and SAT mode you will obtain the "Audio" function.
13.  **GUIDE**
In SAT mode the "GUIDE" key will change the screen into SAT-menu mode and give you the "Guide" function, if available on your original remote. In DVD mode you will obtain the "Guide" function, if available on your original remote.
14.  **SUBT.**
In SAT and DVD main mode you will obtain the SUBTITLE function.

The Keypad

15.  **MENU**
Pressing this key will allow you to operate the Menu and in TV, VCR and SAT mode will also change the screen to the menu mode. The MENU key operates the same function it did on your original remote control.
16.  **EXIT**
The EXIT key will operate the same as on your original remote. To return to the main screen (TV, VCR, SAT mode) press the device key or use the SCROLL key.
17.  **MUTE**
The Mute key operates the same function it did on your original remote control.
18.  **CH +/- (in shifted mode; brightness +/-)**
These keys operate just as those on your original remote. In shifted TV mode (accessed by pressing MAGIC shortly and releasing it) these keys may provide you the brightness +/- function.
19.  **OK**
In menu mode this key will confirm your choice. On some devices you can confirm your menu option simply by pressing MENU.
20.  **Directional keys**
If available on your original remote control, these keys will allow you to navigate through the menu. On some TV's you may have to press CH+/- and VOL+/- keys OR the color keys (red, green, yellow, blue) to navigate through the menu, depending on your model of TV.
21.  **VOL +/- (in shifted mode; colour +/-)**
The volume keys operate just as those on your original remote. In shifted TV mode (accessed by pressing MAGIC shortly and releasing it) these keys may provide you the colour +/- function.
22.  **Number keys (in prog. Mode; setup features)**
The number (1 – 9, 0) keys provide functions just like your original remote. **When in programming mode the digit keys will display the various setup features.**
23.  **-/-- / +10**
If your original remote uses one/two digit input switching (-/-- symbol), this function can be obtained by pressing the -/-- key. In DVD mode you will obtain the +10 function.
24.  **AV**
The AV key operates the same function it did on your original remote control. If your original remote uses a 20 key, this function can be found by pressing the AV key.

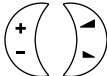
The Keypad

25.  **ESC**
This key only appears in programming mode and is used to return to the Setup screen or to exit programming mode.
26. **Teletext Keys**
These keys are used to operate the main teletext functions. Of course, your Television must have teletext capability. For a more detailed explanation of teletext and fastext, please refer to the manual of your television. Remember, different televisions control teletext and fastext functions in different ways. Not all of the teletext functions may be available on your particular model.
-  **EXPAND:** Shows the top half of the teletext page in larger letters. By pressing again, you can see the bottom half of the teletext page enlarged. To return to regular teletext viewing, press the EXPAND key again, or press the TEXT ON key, depending on your television.
-  **TEXT ON:** In TV mode: once in text mode, pressing this key may switch to MIX or TURN OFF text, depending on your television. This function is also available in SAT mode.
-  **HOLD/STOP:** Stops changing pages.
-  **MIX:** Shows both text and TV picture.
-  **TEXT OFF:** In TV mode: switches the television back to regular viewing mode. On some televisions this may be done by pressing the "TEXT ON" key several times. This function is also available in SAT mode.
-  **TEXT INDEX:** This key will give you access to the index function within the text mode.
27.  **Red / Green / Yellow / Blue**
When accessing the text mode, the colour keys marked red, green, yellow and blue, allow you to access the fastext functions of your television. If on your original remote control these keys are used for Menu navigation, the *KAMELEON 4* Fastext keys may operate the same.
28.  **Transport keys (PLAY, STOP etc.)**
When in VCR, DVD and SAT ("PVR") mode; these keys operate the transport functions (PLAY, FF, REW etc.) of your device. To prevent accidental recording, the RECORD key must be pressed **twice** to start recording.
29.  **SKIP (+/-)**
These keys operate just as those on your original remote. In SAT ("PVR") and/or DVD mode they will function as SKIP (TRACK) +/- keys.
30.  **Custom keys (A, B, C)**
The custom keys are spare keys that give you the possibility to customize the *KAMELEON 4* according to your original remote control using the "Learning feature" (see page 23) or "Key Magic®" (see page 24). These keys are also ideal for use as "Macro keys" (see page 21).

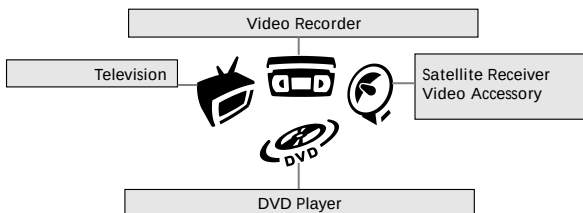
Setting up the KAMELEON 4

(How to set up the KAMELEON 4 to control your devices)

Example: To set up the KAMELEON 4 for your television:

1. Make sure your television is **switched ON** (not on standby).
2. **Find your device code in the Codelist (page 183-216).** Codes are listed by device mode and brand name. The most popular code for each brand is listed first. If your brand is not listed at all in the code section, try the Search Method on page 11.
3.  **Press and hold down the MAGIC key** (for about 3 seconds) until the rabbit comes out of the hat (the screen will change to the setup screen). 
4.  Press the **DEV SET** key.
5.  Press and release the **TV** key to select the device type you like to setup.
6.  Enter your **four-digit code** using the number keys. The animated IR Indicator will blink twice. 
7.  **Now, aim your KAMELEON 4 at your television** and try the following keys to test if the KAMELEON 4 will work with your device;
 - **CHANNEL +, CHANNEL-**
 - **VOLUME +, VOLUME -**
 - **MUTE**
 - **POWER.**
8.  If your device is responding, **press OK to save the code.** If your device does not respond, just enter the next code listed under your brand. If none of the codes listed for your brand operate your device, then try the Search Method described on page 11.
9.  **Press ESC twice to return to user mode (all keys are displayed), OR press a device key to select the next device you like to setup.**

- Most TV's do not switch back on pressing the **POWER** key, please try pressing "CHANNEL+" key to switch your TV back on.
- Some codes are quite similar. If your device does not respond or is not functioning properly with one of the codes, try another code listed under your brand.
- To set up your other devices, follow the same instructions above, only press the appropriate device key during step 5.
- Remember to press the correct device key before operating your device. Only one device can be assigned to a device key.



To set up a second TV, VCR, SAT or DVD (See page 16).

Setting up the KAMELEON 4

Search Method

--> If your device does not respond to the KAMELEON 4 after you have tried all the codes listed for your brand.

--> If your brand is not listed at all.

The Search Method allows you to scan through all the codes contained in the memory of the KAMELEON 4.

Example: To search for your TV code:

1. Switch ON your Television (not on standby).
2.  **Press and hold down the MAGIC key** (for about 3 seconds) until the rabbit comes out of the hat (the screen will change to the setup screen). 
3.  Press **SEARCH**.
4.  Press and release the **TV** key to select the device type you like to setup.
5.  Next, press **POWER**.
6.  **Point the KAMELEON 4 at your Television. Now press CH+ over and over, until your Television turns off** (every time you press the CH+ key the KAMELEON 4 will send out a POWER signal from the next code contained in the memory).

You may have to press CH+ many times (up to 150 times) so please be patient. Remember to keep pointing the KAMELEON 4 at your Television while pressing this key. (If you skip past a code, you can go to the previous code(s) by pressing the CH - key.)
7.  **When your Television switches off,** press the **OK** key to **store the Code**. The animated IR Indicator will light up twice. 
8.  Press **ESC** to **return to the setup screen**, or press a **device key** if you want to perform the Search Method for another device.
9.  **Press ESC again to return to user mode (all keys are displayed).** Turn your device (television) back on and try all the remote's functions to ensure they are working properly. If you cannot control your Television properly, please continue the Search Method, you may be using the wrong Code.

- During step 5, instead of POWER you can also press any other key displayed. This will be the function sent for the next key presses of CH+ or CH- in step 6. If for example; during step 5, you press "2" instead of "POWER", the KAMELEON 4 will send the "number 2" signal every time you press CH+ during step 6 (make sure your TV is switched to another channel).
- To search for your other devices, follow the same instructions above, only press the appropriate device key during step 4.
- If your Video's original remote control does not have a POWER key, press PLAY instead of POWER during step 5.

Code blink out

(To find out which code is currently programmed)

If you have set up your *KAMELEON 4* via the Search Method, you can blink back your code for future reference. Please note that the animated IR Indicator will indicate the 4 digits by animated blinks.

Example: To blink out your television code:

1.  Press and hold down the **MAGIC** key (for about 3 seconds) until the rabbit comes out of the hat (the screen will change to the setup screen). 
2.  Press **OTHER**.
3.  Press **9 9 0**, the animated IR Indicator will light up twice. 
4.  Press and release the **TV** key to select the device type you like check the code for.
5.  For the **first** digit of your **four-digit code**, press **1** and count the blinks of the animated IR Indicator. If there are no blinks, the digit is "0". 
6.  For the **second** digit, press **2** and count the animated blinks. If there are no blinks, the digit is "0". 
7.  For the **third** digit, press **3** and count the animated blinks. If there are no blinks, the digit is "0". 
8.  For the **fourth** digit, press **4** and count the animated blinks. If there are no blinks, the digit is "0". **Now you have found your four-digit code.** 
9.  Press **ESC** to return to the setup screen OR press a **device key** if you want to perform the blink out for another device.
10.  Press **ESC again** to return to user mode.

- To blink back the code for your other devices follow the instructions above, only press the appropriate device key during step 4.

Quick code Reference

Write down the codes for your devices in the boxes below for quick and easy reference.

Learning Feature

(How to copy functions from your original working remote onto the **KAMELEON 4**)

The **KAMELEON 4** comes with a complete library of pre-programmed codes. After you have set up the **KAMELEON 4** for your device, you may find that there are one or more keys that you had on the original remote control, which do not have a place on the **KAMELEON 4** keypad.

The **KAMELEON 4** offers a special Learning feature that allows you to copy almost any function from your original remote control onto the keypad of the **KAMELEON 4**.

Before you start:

- Make sure your original remote is working correctly.
- Make sure neither your **KAMELEON 4**, nor your original remote control is pointing at your device.

Learning (direct)

Example: To copy the "mono/stereo" function from your original TV remote control onto the "A"-key of your **KAMELEON 4.**

1. Place the **KAMELEON 4** and your original remote control on a flat surface. Make sure the ends which you normally point at your device are facing each other. Point the original remote to the front of the **KAMELEON 4** (see picture below). Keep the remotes at a distance of 2 to 5 cm (0.8 to 2 inches).



2.  **Press and hold down the MAGIC key** (for about 3 seconds) until the rabbit comes out of the hat (the screen will change to the setup screen). 
3.  Press **IR LEARN**.
4.  Press the **device key** (Example: **TV** key) on the **KAMELEON 4** remote to select the mode to which you want to copy the learned function.
5.  Press the key (Example: **"A"** key) on the **KAMELEON 4** remote where you want to place the learned function. The IR Indicator will show "incoming IR" three times and then the display will switch off.
6.  **Press and hold** the key that you want to copy (Example: **mono/stereo**) on your original remote control. The display switches back on and you will see two blinks to indicate successful learning operation.
7. If you want to copy other functions within the same mode, simply repeat steps 5 and 6 pressing the next key you want to copy by learning. If you want to copy another function in a different mode, simply continue with step 4 followed by steps 5 and 6.
8.  To exit the learning mode and return to the user screen, **press the ESC key twice**.

Learning Feature

- As soon as the display switches off in step 5 you need to press the key (in this example: the "mono/stereo" key) on your original remote within 10 seconds. If no key is pressed while in learning mode, the remote will return to user mode after 30 seconds.
 - During learning, keys such as (TV) menu, (VCR) menu etc. will not change screen when pressed.
 - If you learn a function on a key, the original KAMELEON 4 function automatically becomes shifted. Press the MAGIC key then the key to access it (this excludes the POWER, Channel and Volume keys). If you learned on a digit key, access the original function by pressing magic twice and then the digit.
 - If you want to learn a function on a key that is not in the main screen, use the SCROLL key to change the screen.
 - The learning feature is mode specific. Therefore you can place one learned function per mode on the same key.
 - The KAMELEON 4 can learn approximately 30 functions. The amount of keys depends on the other programmed functions and on the remote to be learned from.
 - You can replace a learned function by placing another learned function on top.
 - Please make sure not to use the learning procedure when in direct sunlight or under incandescent lights.
 - Make sure you are using new batteries before following the learning instructions above.
 - Upon changing the batteries, your learned functions will be retained.
-

■ Shifted Learning

It is also possible to place a function *shifted* on a key to maintain the original function.

Example: to place the **mono/stereo** function *shifted* on the "red" key.

To place the (e.g. **mono/stereo**) function shifted on the red key, simply follow steps 1-8 on page 13, only press "**MAGIC**" then the "**red**" key (instead of "A") during step 5.

To access the e.g. "mono/stereo" function in this example; simply press "**MAGIC**" and then the "**red**" key.

- If a Shifted Learned function is placed on the POWER, Channel and Volume keys then the "Sleeptimer" and "Colour & Brightness" features will be sacrificed.
 - If you place a function shifted on a digit key (0 - 9) you need to press MAGIC twice then the digit key to access this shifted function.
-

Learning Feature

To delete a learned function:

To delete one single learned function, follow the steps below.

Example: to delete the **mono/stereo** function learned on the **"A"** key in **TV mode**:

1. **Press and hold the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **IR DELETE**.
3. Press the device key (example **TV**) in which the function will be deleted.
4. Press the learned key which you want to restore (example **"A"**) **twice**. The IR Indicator will blink twice and the unit will return to the setup screen.

- The original function (if present) of the KAMELEON 4 will be restored.
- If there is another learned function you want to delete, repeat steps 2 – 4.

To delete a "Shifted" learned function:

To delete one single "shifted" learned function, follow the steps below.

Example: to delete the **mono/stereo** function learned *shifted* on the **"red"** key in **TV mode**:

1. **Press and hold the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **IR DELETE**.
3. Press the device key (example **TV**) in which the function will be deleted.
4. Press **MAGIC** then press **twice the learned key** which you want to restore (example **"red"** key). The IR Indicator will blink twice and the unit will return to the setup screen.

- The original function (if present) of the KAMELEON 4 will be restored.
- If there is another Shifted learned function you want to delete, repeat steps 2 – 4.

To delete all learned functions within a certain mode:

Example: to delete all learned functions within the TV mode:

1. **Press and hold the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **IR DELETE**.
3. Press the **mode key** in which you want to delete all functions **twice**. In our example, press **TV twice**. The IR Indicator will blink twice and the remote will return to the setup screen.

Operational Reset:

The Operational Reset will erase all learned functions across all modes. It may also delete some other programmed functions like Key Magic or Macros.

1. **Press and hold the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **OTHER**.
3. Press **9 8 0**. The IR Indicator will blink four times and the remote will return to the setup screen.

Extra Features

Mode re-assignment

(How to set up two of the same devices on the *KAMELEON 4*)

It is possible to change the mode of any device key. This is useful if you want to set up two of the same devices on the *KAMELEON 4*. The modified device key will display the applicable keys for the revised mode. The code can be set up using the "Direct set up" (p. 10) or "Search method" (p. 11). To change a device key, see the two examples below.

Example 1; if you like to program a second TV on the DVD key.

Example 2; if you like to program a second VCR on the SAT key.

Example 1:

To program a second Television on the DVD key (for example), you need to change the DVD key into a TV key, so press:



The DVD key has now become a second TV key and will display the applicable keys for this mode.

Now enter the Set-Up code for your second TV by pressing:



Example 2:

To program a second Video Recorder on the SAT key (for example), you need to change the SAT key into a VCR key, so press:



The SAT key has now become a second VCR key and will display the applicable keys for this mode.

Now enter the Set-Up code for your second VCR by pressing:



- If you program a different device type on another key (e.g. second TV on the DVD key) the original device key icon will remain, but the displayed function keys will change to suit the new device mode. For example; if a second TV is programmed on the DVD key, TV-text functions will be displayed in DVD mode.

Resetting a Device key

Example: To reset the DVD key to its original mode, press:



- (*) Hold down the MAGIC key until the rabbit comes out of the hat (the screen will change to the setup screen).
- (**) The animated IR Indicator will blink twice (the screen will change to the setup screen).

Extra Features

Colour & Brightness

Depending on the functions of your original remote control, the *KAMELEON 4* can operate the colour and brightness settings of your Television.

To adjust the colour:

Press the **MAGIC** key followed by **Volume +** (for colour +) or **Volume -** (for colour -).

To adjust the brightness:

Press the **MAGIC** key followed by **Channel +** (for brightness +) or **Channel -** (for brightness -).

Depending on how you used colour and brightness on the original remote, you may need to access colour and brightness in a different way (through menu for example).

Channel +/- simulation

If your original TV, VCR or SAT remote control does not have any channel +/- keys, your *KAMELEON 4* can simulate this function.

Example: to program "Channel +/- Simulation" in TV mode:

1. Press and hold the **MAGIC** key until the rabbit comes out of the hat (the screen will change to the setup screen).
2. Press **OTHER**.
3. Press **9 7 1**. The IR Indicator will light up twice.
4. Press the device (e.g. **TV**) which should give a channel simulation function. The animated IR Indicator will blink **twice** (the screen will change to the setup screen).

The original channel +/- function of your TV (if present) on the CH+/- key will now be sacrificed.

Example: to cancel the "Channel +/- Simulation" in TV mode:

1. Press and hold the **MAGIC** key until the rabbit comes out of the hat (the screen will change to the setup screen).
2. Press **OTHER**.
3. Press **9 7 1**. The IR Indicator will light up twice.
4. Press the device (e.g. **TV**) which should give you the original CH+/- function. The animated IR Indicator will blink **four times** (the screen will change to the setup screen).

The CH+/- function of your TV (if present) will now be restored.

-
- The Channel +/- simulation will be limited to: 1 – 9, 0.
 - It is only possible to switch Channel +/- simulation on for one mode at a time.
-

Extra Features

Volume Punch-Through

This feature allows you to adjust the volume of a certain mode (e.g. TV mode) while being in a different mode (e.g. VCR). If for example you're watching a programme on your Video, you can adjust the volume (a TV function) without first pressing the TV key. The chart below lists some of the possibilities:

Last key pressed:

SAT :

VCR :

DVD :

You can control:

TV volume up and down, mute

TV volume up and down, mute

TV volume up and down, mute

Example: To punch through to TV volume, being in any other mode (e.g. VCR, SAT or DVD mode):

1. **Press and hold down the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **VOLUME**.
3. Then press the **TV** key and the animated IR Indicator will blink **twice** and the remote will return to the setup screen.

Result: being in any (e.g. DVD) mode, you will be able to control VOL+/- and MUTE functions of your TV.

To cancel the "Volume Punch Through" per mode:

Example: to cancel the "Volume Punch Through" for the VCR mode:

1. **Press and hold down the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **VOLUME**.
3. Then press the **VOL (-)** key.
4. Press **VCR** once. The IR Indicator will blink **four times** and the unit will return to the SETUP screen.

Result: being in VCR mode, you will be able to control VOL+/- and MUTE functions of your VCR (provided it has volume control).

To cancel the "Volume Punch Through" for all modes:

1. **Press and hold down the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **VOLUME**.
3. Then press the **VOL (+)** key and the IR Indicator will blink **four times** and the screen will return to the setup screen.

Result: In all modes the VOL+, VOL- and MUTE keys will now operate the original functions again.

Extra Features

Device Sleeptimer

If your device has a "SleepTIMER" function built in, you can access this function with your *KAMELEON 4* remote. To do so:

1. Make sure your **device** is **switched on**.
 2. Press the device key **TV** (or **SAT**).
 3. Point the *KAMELEON 4* at your device and press and release the **MAGIC** key then press **POWER**. You should see the SleepTIMER activate on your device. To increase the timer, simply press **POWER** again (within 10 seconds) until the timer gets to the desired time.
-
- To deactivate the "SleepTIMER", repeat steps 1 – 3 above. During step 3, continue pressing **POWER** again (within 10 seconds) until the timer indicates zero minutes.
 - Depending on how you used sleepTIMER on the original remote, you might need to access sleepTIMER in a different way (through menu for example).
-

The *KAMELEON 4* - Timer

The *KAMELEON 4* – Timer function allows you to activate a **<desired function>** from a specific **<device mode>** within a **<specific amount of minutes>** (max. amount of timer is 60 minutes).

-
- The **<desired function>** can be an existing function within a specific mode, a Macro, a Key Magic function or a Learned function.
-

Example: you want your TV to switch off after 45 minutes.

1. **Press and hold the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
 2. Press **OTHER**.
 3. Press **9 8 5** to enter the *KAMELEON 4* –Timer programming mode. The animated IR Indicator will blink twice.
 4. Press **TV** to select the mode where the *KAMELEON 4* – Timer function will come from. The animated IR Indicator will blink twice.
 5. Press the **POWER** key to select the desired function. The animated IR Indicator will blink twice.
 6. Now press **4 5** to enter the amount of minutes after which the **<Desired function>** needs to be activated (e.g. for 5 min. press 05, max. up to 60).
 7. Press and hold **OK** for a duration of 3 seconds to activate the *KAMELEON 4* – Timer function.
-
- Invalid key presses during the programming of *KAMELEON 4* - Timer will be ignored.
 - The **<Desired function>** can be any key except for Device keys, *SCROLL* and *MAGIC*.
 - While the *KAMELEON 4* – Timer is running, the IR animation will light every 15 seconds.
 - The *KAMELEON 4* –Timer function is cancelled by setting up a new *KAMELEON 4* – Timer function.
 - Upon entry of an invalid key sequence, the remote control shall display one long IR illumination of the IR animation and the remote will return to the *SETUP* screen.
 - If no key is pressed while setting up a *KAMELEON 4* – Timer function, the remote will return to user mode after 30 seconds.
 - The *SCROLL* key can be accessed any time during programming if applicable in the current device mode.
-

Extra Features

KAMELEON 4 - Recall

The **KAMELEON 4 - Recall** function allows you to program up to two channels, each consisting of a maximum of 4 key presses per channel entry. This allows you to swap back and forth between two channels with the press of a single key.

1. Press the **MAGIC and PP keys together until the rabbit** comes out of the hat. The animated IR Indicator will blink twice.
2. Enter the first channel number **exactly as you would on your original remote** (e.g. <-/->, <1>, <2> to get channel number 12).
3. Press **PP once** and release. The animated IR Indicator will blink once.
4. Enter the second channel number **exactly as you would on your original remote** (e.g. <-/->, <2>, <3> to get channel number 23).
5. Press the **MAGIC key**, the IR animation blinks twice.
If you press PP, you will obtain the second channel programmed (being <23>) and if you press PP again you will obtain the first channel programmed (being <12>).

-
- *The KAMELEON 4 - Recall is mode dependant and can only be programmed in TV or SAT mode.*
 - *The KAMELEON 4 - Recall Feature is only programmable in one mode at a time.*
 - *To enter only one channel number, skip steps 3 and 4.*
 - *If two channel numbers have been stored previously, entering one new channel will delete the oldest entry.*
 - *If no key is pressed while in KAMELEON 4 – Recall mode, the remote will return to user mode after 30 seconds.*
-

To reset the PP key:

1. Press the **MAGIC and PP keys together until the rabbit** comes out of the hat. The animated IR Indicator will blink twice.
2. Press **PP** and release. The animated IR Indicator will blink once.
3. Press **MAGIC** and release. The animated IR Indicator will blink twice.

Extra Features

Macros (sequence of commands)

■ Macros (direct)

You can program your *KAMELEON 4* to issue a sequence of commands at the press of one button. For example, you may want to turn off your TV, VCR and Satellite at the same time. Any sequence of commands you regularly use can be reduced to one key stroke for your convenience. A key that is programmed with a Macro works through all modes (provided it's accessible in that mode). Therefore a Macro can best be set on either the A, B or C key. However, you can install a Macro on any key (provided it's accessible in that mode), except for the device keys (TV, VCR, SAT and DVD), the MAGIC key and the SCROLL key.

Example: To set up a Macro *that switches off your TV, VCR and SAT* on the "A" key on your *KAMELEON 4*:

1. **Press and hold MAGIC until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **MACRO**.
3. Press the device key (e.g. **TV**) to display all keys of the mode.
4. Then press the key to which the Macro will be assigned, in this case the "**A**" key.
5. Next press **TV, POWER, VCR, POWER, SAT, POWER**.
6. To store the Macro, **press and hold MAGIC until you get two blinks on the IR Indicator and the rabbit disappears** (the screen will return to the setup screen).

Result: Whenever you press the "**A**" key, the *KAMELEON 4* will turn off your TV, VCR and Satellite receiver.

-
- Each **MACRO** can consist of a maximum of 15 keystrokes.
 - To include a function from a particular screen in a mode, use the **SCROLL** key.
 - Make sure that you program a Macro on a spare key that you don't use in any mode.
 - Once you program a Macro on a specific key, the sequence will work regardless of the mode (TV, VCR, SAT or DVD) you are using (if the label is the same as the label on which the Macro was programmed). This means that the function picked on that specific key will be sacrificed.
 - To avoid accidental recordings with the *KAMELEON 4*, you must press the **RECORD** key twice to begin recording. Please note that if you assign a Macro or Shifted Macro to the **RECORD** key, this will deactivate the double key press. Therefore we recommend not to assign a Macro to this key.
 - If you had to hold down a key for a few seconds on the original remote control to get a function, this function may not work in a macro on your *KAMELEON 4* remote.
 - Keys such as (TV) menu, (VCR) menu etc. will not change screen when pressed during Macro programming.
 - Upon changing the batteries your Macro(s) will be retained.
 - If you program a Macro on a key, the original function will become shifted (excluding **POWER**, **CH+/-** and **VOL+/-** keys). Press **MAGIC** then the key to access it. If you place a Macro on a digit key, access the original function by pressing **MAGIC** twice and then the digit key.
 - You can replace a Macro by placing another Macro on top.
-

Extra Features

Shifted Macros

It is also possible to place a *shifted* Macro on a key to maintain the original function.

Example: To set up a Shifted Macro *that switches off your TV, VCR and SAT* on the "RED" key on your *KAMELEON 4*: (so that you will keep the original function on the "RED" key).

MAGIC*	MACRO	TV	MAGIC	"Red"	TV, POWER, VCR, POWER, SAT, POWER	MAGIC**
--------	-------	----	-------	-------	---	---------

Now every time you press "**MAGIC**", then the "**red**" key, the *KAMELEON 4* will turn off your TV, VCR and Satellite.

- If a Shifted Macro is placed on the POWER, CH+/- or VOL+/- keys, the Sleptimer and Colour/Brightness features will be sacrificed.

To erase a (direct) Macro

Example: To erase the Macro from the "A" key, press:

MAGIC*	MACRO	TV	"A"	MAGIC**
--------	-------	----	-----	---------

To erase a (shifted) Macro

Example: To erase the Shifted Macro from the "red" key press:

MAGIC*	MACRO	TV	MAGIC	"red"	MAGIC**
--------	-------	----	-------	-------	---------

-
- (*) Hold down the **MAGIC** key until the rabbit comes out of the hat (the screen will change to the setup screen).
 - (**) Hold down **MAGIC** until the IR Indicator will blink twice and the rabbit will disappear (the screen will change to the setup screen).
-

Extra Features

Key Magic®

(How to program missing functions)

Key Magic® is an exclusive ONE FOR ALL feature. The design of the *KAMELEON 4* ensures that many functions of your original remote control can be operated - even those that do not have their own key on the *KAMELEON 4* keypad. Frequently used functions can be assigned to a key of your choice using the Key Magic® feature of your *KAMELEON 4*. In order to program a certain function with Key Magic® you need to know the corresponding function code. As the function codes vary with different types of devices, they cannot be found in the manual. You can request your function codes through our consumer service help-line, by letter, fax or e-mail.

All we need to know is:

- Brand and Model number of the device in question (for verification if you are using the correct code).
- The 4-digit set-up code your device is working with.
- How the function was labeled on your original remote control.

You can also visit our website (**www.oneforall.com**) to find an answer to your questions.

Once you obtain(ed) your function code(s) from customer service, programming the code is easy:

1. **Press and hold the MAGIC key until the rabbit** comes out of the hat (the screen will change to the setup screen).
2. Press **KEY MAGIC**.
3. Press the device key (**TV, VCR, SAT** or **DVD**).
4. Press the **MAGIC** key once.
5. Enter the **5-digit function code** (provided by customer service).
6. Press the **key to which the function will be assigned** (if this key is located in a different screen than the main screen, use the **SCROLL** key to access the screen). The IR Indicator will blink twice and the screen will return to the Setup screen.

-
- *Key Magic® functions are mode specific. To access the function you have programmed, press the device key first.*
 - *Key Magic® can be assigned to any key EXCEPT the following: Device keys, MAGIC key and the SCROLL key.*
 - *Please note all the extended function codes you obtain from customer service for easy future reference.*
 - *Keys such as (TV) menu, (VCR) menu etc. will not change screen when pressed during Key Magic® programming.*
-

EXTENDED FUNCTION REFERENCE (first entry is an example):

DEVICE	SET-UP CODE	FUNCTION	FUNCTIONCODE
TV	0556	16/9 format	00234

Trouble-Shooting

Problem & Solution

Problem:

Solution:

Your brand is not listed in the code section?	Try the search method on page 11.
The <i>KAMELEON 4</i> does not operate your device(s)?	A) Try all the codes listed for your brand. B) Try the search method on page 11.
The <i>KAMELEON 4</i> is not performing commands properly?	You may be using the wrong code. Try repeating the Direct Set-Up using another code listed under your brand or start the search method over again to locate the proper code.
Problems changing channels?	Enter the program number exactly as you would on your original remote.
Video / PVR / DVD not recording?	As a safety feature on your <i>KAMELEON 4</i> , you must press the Record key twice.
The <i>KAMELEON 4</i> does not respond after pressing a key?	Make sure you are using new batteries and are aiming the <i>KAMELEON 4</i> at your device.
Your original remote had a "20" key?	You can find this function on the AV key.
Upon each keypress, the IR indicator will blink 5 times.	Replace batteries with 2 fresh, new "AA/LR6" alkaline batteries.
You are not able to enter programming mode?	Replace batteries with 2 fresh, new "AA/LR6" alkaline batteries.

To conserve battery life, your Kameleon remote is fitted with a light sensor, which adjusts the brightness of the display to suit its environment. For example, it is not necessary to have the display at full brightness in a darkened room, so the remote dims the display somewhat.

If you do not require this function, it can be disabled. To do this:

1. **Press and hold down the Magic key** (for about 3 seconds) until the rabbit comes out of the hat (the screen will change to the setup screen).
2. Press **OTHER**.
3. Press **9 9 9**.

The animated IR Indicator will blink **four times** and the light sensor is now disabled.

To re-enable it, repeat the above steps and the IR Indicator will blink twice.

Televisions

Fernseher

Téléviseurs

Televisores

Televisões

Televisori

Televisies

A.R. Systems	0037	0556	0374	0455
Abex	0032			
Accent	0009	0037	0556	
Accuphase	0556	1909		
Acec	0012			
Adcom	0625	0284		
Admiral	0093	0363	0418	0087 0305 0163
	0264			
Adyson	0217	0216	0032	
AEA	0037	0556		
Agashi	0216	0264	0217	
AGB	0516			
Agef	0087			
Aiko	0009	0037	0556	0216 0371 0035
	0433	0072	0361	0191 0264 0217
Aim	0037	0072	0412	0556 0753 0208
	0706	0805		
Aiwa	0705	0701	1904	1916 1908 1914
	1915			
Akai	0361	0208	0371	1537 0037 0803
	0433	0745	0191	0702 0035 0284
	0672	0009	0696	0072 0753 0218
	0806	0729	0714	0163 0516 0715
	0602	0556	0548	0581 0480 0217
	0631	0216	0264	0448 0178 0329
	0377	0606	0708	1037 1908 0473
	0648			
Akiba	0218	0282	0455	0037 0556 0294
Akira	0190			
Akito	0272	0037	0556	
Akura	0037	0556	0668	1668 0359 0412
	0493	0009	0218	0282 0264 0171
	0714			
Alaron	0179	0216		
Alba	0009	0418	0370	0235 0371 0668
	0037	0556	1037	0355 0218 0216
	0247	0431	0163	0487 0581 0036
	1668	0579	1904	1908 0714 0443

Alkos	0035				
Allorgan	0206	0294	0217		
Allstar	0037	0556			
Ambassador	0177				
Amplivision	0217	0400	0370	0320	
Amstrad	0177	0009	0516	0264	0354 0371
	0218	0171	0037	0556	0433 0412
	0362	1037	0648	0581	1904
Anam	0037	0556	0009	0250	
Anam					
National	0037	0250	0556	0650	0055
Anex	0421				
Anglo	0009	0264			
Anitech	0009	0264	0037	0556	0282 0102
Ansonic	0370	0037	0556	0009	0668 0374
	0163	0292	0102	0411	0259 0247
	1437	0012	0284	0428	1904 0104
	1668				
Apex Digital	1943				
Apollo	0473				
Arc en Ciel	0399	0501	0109	0196	0198
Arcam	0216	0399	0217		
Ardem	0486	0714	0037	0633	0556
Aristona	0556	0037	0012		
Arthur					
Martin	0163	0400			
ASA	0105	0346	0070	0104	0087
Asberg	0037	0556	0102		
Asora	0009				
Astra	0037	0556			
Asuka	0218	0217	0216	0264	0282 1904
ATD	0698				
Atlantic	0037	0556	0216	0206	0320 0259
Atori	0009				
Auchan	0163	0400			
Audiosonic	0009	0037	0374	0556	0109 0714
	0715	0217	0370	0337	0264 0218
	0486	0428			
Audioton	0217	0486	0370	0264	0428
Audiovox	0451				
Aumark	0060				
Autovox	0087	0206	0544	0349	0217 0247
AVP	1904	1908			
AWA	0011	0036	0009	0157	0374 0451
	0412	0037	0556	0216	0606 0217
	0108	0264	0785		
Axxent	0009				
Axxon	0714				
Baird	0109	0193	0343	0190	0192 0072
	0073	0217	0208	1904	

Bang	
& Olufsen	0565 0087 0275
Barco	0380 0163
Basic Line	0374 0037 0163 0668 0556 0009 0218 0567 0282 0217 0455 0339 1037 1668
Bastide	0217
Bauer	0805
Baur	0009 0146 0303 0535 0195 0512 0037 0556 0554 0191 0361 0544 0349 1505 0505 1010
Bazin	0217
Beaumark	0178
Beko	0486 0035 0428 0714 0370 0418 0037 1037 0556 0606 0715
Bennett	0556 0037
Beon	0037 0556 0418 0032
Berthen	0668 1668
Best	0337 0370 0421
Bestar	0037 0556 0370 0374
Bestar-	
Daewoo	0374
Binatone	0217
Black	
Diamond	0614 1037 0556
Black Panther	0102
Black Star	0247
Black Strip	0035
Blacktron	0282
Blackway	0282 0218
Blaupunkt	0554 0191 0535 0195 0200 0327 0328 0448 0455 0170 0036
Blue Sky	0037 0714 1037 0487 0668 0715 1909 0556 0218 0282 0455 1934 1904 1908 1668
Blue Star	0282
Bondstec	0247
Boots	0272 0217 0009
Bosch	0320 0327
BPL	0037 0556 0282
Brandt	0625 0501 0109 0399 0196 0198 0287 0335 0471 0343 0560
Brandt Electronique	
	0287 0335 0501
Brinkmann	0037 0556 0668 0519 0418 0486 1668
Brionvega	0037 0556 0362 0087
Britannia	0216 0217
Broksonic	0236 1905
Brother	0264

Bruns	0087 0428
BSR	0163 0294 0361
BTC	0218
Bush	0668 0218 0163 0349 0009 0036 0037 0371 0235 0282 0272 0355 0363 0374 0519 0264 0361 1037 0487 0208 0217 0614 0617 0698 0581 0294 0284 0556 0714 1900 1904 1908 0778 1668
Candle	0186
Canton	0218
Capsonic	0264
Carad	0610 0037 0556 0668 1037 1668
Carena	0455 0037 0556
Carrefour	0036 0070 0037 0556
Carver	0170
Cascade	0009 0037 0556
Casio	0037 0556 0163 0349 1904
Cathay	0037 0556
CCE	0037 0556 0217 0329
Celebrity	0000
Celestial	0819 0820 0821
Centrex	0780 0826
Centrum	1037
Centurion	0037 0556
Century	0087 0247 0238
CGE	0074 0084 0306 0418 0247 0370 0163 0399 1904
Changhong	0827
Cimline	0009 0235 0218
Cineral	0451
Cinex	0648
Citizen	0451 0060 0186
City	0009
Clarivox	0418 0037 0556 0070 0102
Clatronic	0037 0370 0371 0714 0218 0264 0556 0217 0247 0009 0102 0320 0579 0648 1904
Clayton	0385 1037
CMS	0216
CMS hightec	0217
Combitech	1908
Concorde	0009
Condor	0320 0037 0556 0370 0216 0009 0282 0102 0247 0418 0411 0163 0264
Conia	0754 0821
Conic	0032
Conrad	0037 0556

Contec	0216 0009 0157 0011 0036 0264 0037 0556
Continental	
Edison	0501 0109 0196 0198 0399 0287 0487
Cosmel	0009 0337 0037 0556
Crosley	0087 0247 0074 0084 0163
Crown	0009 0712 0370 0486 0037 0556 0487 0714 0606 0715 0421 0418 0359 0579 0208 0039 0672 0339 1934 1928
Crystal	0431
CS	
Electronics	0216 0218 0247
CTC	0247
Curtis	
Mathes	0047 0060 0093 0145 0451 0166
Cybertron	0218
D-Vision	0037 0556
Daewoo	0634 0374 1909 0499 0037 0556 0009 0216 0218 0661 0217 0451 0039 1137 1902 1928 1908
Dainichi	0218 0216
Dansai	0037 0556 0264 0032 0035 0216 0009 0036 0217 0208
Dansette	0412
Dantax	0370 0486 0714 0606 0715 1908
Datsura	0208
Dawa	0009 0037 0556
Daytek	0698 0706
Daytron	0009 0374 0037 0556 0039
de Graaf	0208 0044 0227 0163 0548 0363
DEC	0795 0785
Decca	0072 0033 0516 0037 0556 0272 0217 1137 0621 1904 1908
Deitron	0037 0556 0374 0218
Denko	0264
Denon	0145
Denver	0037 0556 0606
DER	0193 0190
Desmet	0320 0037 0556 0009 0087
Diamant	0037 0556
Diamond	0264 0698 0696 0009 0804 0825 0216 0371
Digatron	0037 0556
Digiline	0037 0556 0105 0668 1668
Digitor	0037 0556
Digivision	0361
DiK	0037 0556
Dixi	0009 0037 0556 0247 0217 0087

DL	0848 0780 0037
Domeos	0668 1668
Domland	0394
Doric	0349
DTS	0009
Dual	0544 0349 0217 0343 0519 0037 0556 0259 0394 0399 0303 0163 0531 1904 1137
Dumont	0087 0104 0102 0217 0070 0072 1904
Dunai	0544 0163
Durabrand	1437
Dux	0037 0556 0012
Dynatron	0037 0556 0012
E-Elite	0218
Ecco	0773 0706
Edison-	
Minerva	0487
Elbe	0435 0238 0259 0362 0292 0370 0163 0037 0556 0218 0191 0284 0411 0610 0217 0516 0361 0630
Elbe-Sharp	0516
Elcit	0087 0247 0516 0102 0163
Electroband	0000
Elekta	0009 0037 0556 0264 0282
ELG	0037 0556
Elin	0216 0037 0556 0105 0104 0548 0361 0448 0305 0349 0163 0009
Elite	0218 0037 0556 0320 0305
Elman	0102
Elta	0009 0264 0216 0431
Emco	0247
Emerson	0177 0714 0178 0087 0179 0247 0037 0556 0371 0070 0236 0039 0282 0320 0361 1909 0486 0370 0163 0321 1904 1906 1905
Emperor	0282
Enzer	0696 0753
Erres	0037 0556 0012
ESC	0037 0556 0217
Estèle	0163
Etron	0001 0037 0556 0009 0163
Eurofeel	0264 0217
EuroLine	0037
Euroman	0216 0264 0037 0556 0217 0421 0370
Europa	0037 0556
Europhon	0037 0516 0102 0163 0217 0556 0247 0431 0216
Excel	0037 0556

Expert	0206	0400	0259	0163	0305
Exquisit	0037	0556	0247		
Fagor	0037	0556			
Family Life	0037	0556			
Fenner	0374	0009			
Ferguson	0073	0625	0287	0192	0190 0335
	0238	0193	0109	0560	0037 0556
	0035	0343	0104	0108	0361 0471
	1904	0548			
Fidelity	0163	0512	0171	0363	0037 0556
	0371	0412	0531	0193	0216 0264
	0544	1904	1906	1907	1908 0361
Filsai	0217				
Finlandia	0208	0346	0359	0548	0361 0163
	0363	0072	0287	0343	0045
Finlux	0105	0104	0037	0556	0714 0346
	0217	0072	0163	0516	0715 0070
	0087	0179	0102	0411	0631 0492
	0480	0629	0473	0418	0606 0621
Firstline	0037	0556	0374	0668	0714 0163
	0009	0294	0321	0216	0385 0247
	1909	0102	0217	0411	0544 0349
	0531	0238	0072	0235	0208 0361
	1037	1668			
Fisher	0104	0217	0036	0208	0370 0555
	0045	0087	0157	0361	0163 0303
	0544	0349	0072	0047	
Flint	0037	0556	0610	0072	0218 0455
	0264				
FNR	0102				
Forgestone	0193				
Formenti	0163	0037	0556	0486	0216 0087
	0320				
Formenti-					
Phoenix	0216	0320			
Fortress	0093	0087			
Fraba	0037	0556	0370	0531	
Friac	0009	0037	0556	0102	0421 0370
	0499	0655	0610		
Frontech	0247	0264	0349	0363	0431 0448
	0217	0009	0163		
Fujitsu	0179	0206	0072	0102	0217 0163
	0009	0683	0037	0556	0361 0259
	0853				
Fujitsu					
General	0009	0186	0217	0206	0163
Funai	0668	0179	0264	0294	0303 0412
	1668				
Futronic	0264	0795	0860		
Future	0037	0556			

Galaxi	0102	0037	0556	0361	0163
Galaxis	0370	0418	0037	0102	0556
Galeria	0009				
GBC	0163	0009	0374	0218	0363
GE	0343	0047	0178	0055	0282 0451
	0560	0287	0109	0335	0625
Geant Casino	0163	0400			
GEC	0163	0361	0349	0037	0516 0556
	0043	0072	0217		
Geloso	0247	0009	0363	0163	0374
General	0590	0109	0287	0471	0186
General					
Electric	0343	0287			
General					
Technic	0009				
Genesis	0009	0037	0556		
Genexxa	0218	0037	0556	0412	0493 0163
	0009				
Gericom	0865				
Giant	0217				
Goldfunk	0668	1668			
Goldhand	0216				
Goldline	0337				
GoldStar	0037	0009	0370	0001	0290 0032
	0002	0377	0217	0178	0247 0216
	0556	0431	0163	0361	0109 0363
	0606	0044	0039	1934	1926 0714
	0715				
Gooding	0487				
Goodmans	0634	0374	0037	0499	0556 1037
	0668	1909	0036	0264	0072 0516
	0009	0290	0179	0487	0364 0371
	0343	0235	0035	0480	0560 0032
	0217	0335	0218	0451	1928 1908
	0579	0630	0661	1900	1668
Gorenje	0370	0421			
GPM	0218				
Gradiente	0170	0037	0556		
Graetz	0361	0371	0163	0037	0339 0556
Gran Prix	0648				
Granada	0400	0037	0556	0226	0356 0359
	0012	0045	0072	0146	0108 0208
	0217	0036	0339	0516	0502 0473
	0335	0560	0047	0163	0363 0225
	0343	0548			
Grandin	0037	0556	0009	0163	0610 0714
	0715	0668	0374	0320	0282 0218
	0455	0400	0579	1037	1668
Gronic	0102	0217	0163		

Grundig	0535 0195 0191 0554 0487 0070
	0706 0037 0556 0587 0009 0036
	0443 0370 0740 1935 1908 0630
	0757
Grunpy	0179
Haaz	0706
Haier	0698 0869 0264
Halifax	0264 0216 0217
Hammerstein	0264 0060
Hampton	0216 0217
Hanimex	0218 0294 1908
Hanseatic	0037 0556 0499 0519 0349 0163
	0361 0292 0544 0282 0394 0320
	0634 0428 0370 0661 0009 0294
	0217 0431 0087 0377 0714
Hantarex	0009 0037 0556 0102 0516 0238
Hantor	0037 0556
Harley	
Davidson	0179 0043
Harsper	0865
Harwood	0009 0412 0032 0037 0556 0487
Hauppauge	0037 0556
HCM	0009 0412 0037 0556 0217 0218
	0418 0282 0264
Hedzon	0556 0037
Hema	0217 0009
Hemmermann	
	0349 0544
Hifivox	0501 0109 0196 0399 0198
Higashi	0216
Highline	0264 0037 0556
Hikona	0218
Hinari	0208 0037 0556 0009 0218 0036
	0179 0163 0364 0039 0355 0443
	0487 0235 0294 0264 1908
Hisawa	0282 0218 0400 0455 0610 1908
	0714
HiSense	0848 0208
Hit	0087
Hitachi	0225 1225 0349 0036 0356 0044
	0043 0108 0473 0163 0343 0578
	0196 0198 0217 0306 0227 0576
	0032 0194 0516 0072 0481 0499
	0037 0563 0145 0556 0109 0363
	0548 0719 0634 0744 0178 1137
	0105 0492 1481 0047 0359 0361
	0512 0480 1045 0629 1037 0884
Hitachi Fujian	0108 0828 0225 0576
Hitsu	0009 0455 0218 0610
HMV	0087 0193

Höher	0714
Home	
Electronics	0606
Hornyphon	0037 0556 0012
Hoshai	0218 0455 0282
Huanyu	0374 0216
Hygashi	0217 0216
Hyper	0009 0216 0217 0247
Hypersonic	0361
Hypson	0037 0556 0714 0715 1934 0264
	0217 0282 0455 0400 0238 1908
	0668 1668
Hyundai	0037 0803 0865 0556 0706 0753
Iberia	0037 0556
ICE	0264 0037 0371 0009 0556 0218
	0217 0216
Ices	0218 0216
Icos	0012
Ict	0037 1137 0556
Imperial	0037 0163 0370 0074 0084 0556
	0630 0411 0361 0349 0418 0247
	0196 0431 0531
Indiana	0037 0556
Ingelen	0487 0610 0714 0163 0361
Ingersoll	0009
Inno Hit	0009 0072 0037 0556 0218 0290
	0217 0516 0247 0102 0282
Innovation	0519 0037 0556
Interactive	0037 0556 0012 0087 0512 0275
	0327 0163 0361 0370 0501 0109
	0411
Interbuy	0009 0037 0264 0247 0512 0556
Interfunk	0037 0556 0012 0087 0512 0275
	0327 0163 0361 0370 0501 0109
	0349 0247 0200
Internal	0037 0556 0499 0374 1909
International	0216
Intervision	0282 0217 0455 0037 0371 0377
	0519 0448 0486 0370 0394 0487
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Irradio	0009 0037 0556 0218 0247 0290
	0371
Isukai	0218 0037 0556 0282 0455
ITC	0217 0320
ITS	0037 0371 0218 0282 0264 0216
	0009 0556
ITT	0163 0480 0349 0361 0473 0548
	0567 0193 0346 0339 0208 0179
	0544 0610

ITT Nokia	0361 0548 0163 0473 0480 0349
	0346 0208 0179 0339 0567 0606
	0610 0631 0363 0431
ITV	0264 0037 0556 0247 0284 0374
Jean	0036
JEC	0035 0502
JMB	0037 0499 0634 0374 0556 0443
	1908
Jocel	0712
Jubilee	0556
JVC	0653 0190 0036 0192 0193 0371
	0218 0606 0418 0093 1923
Kaisui	0218 0282 0037 0556 0216 0455
	0217 0009
Kamp	0216
Kapsch	0163 0361 0206 0259 0104
Karcher	0037 0556 0421 0370 0610 0163
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Kathrein	0556 0037
Kawa	0371
Kawasho	0216
KB Aristocrat	0163
Kendo	0610 0037 0556 0163 0519 0512
	0370 0377 0363 0428 0411 0102
	0235 0247 0362
Kennedy	0163 0206 0435
Kenwood	0105
KIC	0217 0329
Kingsley	0216
Kiota	0001
Kiton	0556 0037 0668 1668
Kneissel	0037 0385 0370 0610 0411 0374
	0499 0556 0435 0259 0292 0238
	0362 1908
Kolster	0037 0556 0102 0349 0247
Konichi	0009
Konka	0037 0556 0371 0714 0418 0218
	0725 0726 0641 0816 0587 0754
	0779
Kontakt	0487
Korpel	0037 0556
Korting	0087 0421 0370 0320
Kosmos	0037 0556
Kotron	0412 0264
Koyoda	0009
Kraking	0238
Kriesler	0012
KTV	0039 0217
Kuba	0349 0163

Kuba	
Electronic	0303 0349 0163
Kyoshu	0412 0418 0264 0032
Kyoto	0385 0032 0163 0216 0217
LaSAT	0486 0370
Leader	0009
Lecson	0037 0556
Legend	0009
Lemair	0411 0032
Lenco	0037 0009 0163 0374 0556 0104
Lenoir	0009
Lesa	0247
Levis Austria	0037 0556
Leyco	0264 0072 0037 0556 0294 0579
LG	0037 0370 0009 0377 0032 0001
	0217 0002 0556 0714 0247 0216
	0431 0290 0163 0178 0361 0606
	0109 1934 1926 0698 0715 0823
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LiesenK	
& Tter	0327 0037 0556
Liesenkotter	0037 0327 0328 0012 0556
Lifetec	0037 0009 0519 0374 0668 0512
	0655 1037 1137 0556 0218 0264
	1668
Lloyd's	0001 0009
Lloytron	0032
LME	0431
Loewe	0512 0037 0556 0655 0370 0633
	0087 0292 0362 0790 0516 1790
Logik	0011 0033 0060 0698 0773 0009
	0193 0264 0371 0001
Logix	0668 1668
Luma	0037 0363 0206 0305 0163 0411
	0556 0374 0009 0362 0259
Lumatron	0363 0206 0305 0037 0556 0362
	0163 0259 0361 0217 0264 0073
Lux May	0037 0009 0556 0581
Luxman	0579
Luxor	0194 0290 0363 0480 0492 0349
	0361 0208 0356 0548 0163 0346
	0473 0179 0217 0631 1037
LXI	0047 0178
Madison	0037 0556
Magnadyne	0087 0247 0516 0102 0163 0544
Magnafon	0516 0102 0216 0073
Magnavox	0037 0556 0036 0179 0780
Magnum	0648 0714 0037 0556 0715
Mandor	0264

Manesth 0037 0556 0235 0217 0264 0320
0035 0294 0163 0363

Manhattan 0037 0556 0668 1037 0163 0778
1668

Marantz 0037 0556 0412

Marelli 0087

Mark 0037 0556 0217 0216 0374 0009
0714 0715

Master's 0499

Masuda 0218 0371 0009 0264 0037 0217
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Materin 0858

Matsui 0037 0556 0487 0009 0235 0177
0011 0355 0072 0033 0036 0217
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0035 0431 0208 0045 0195 0191
0335 0544 1908 0714 1037 0629

Matsushita 0250 0650

Matsuiama 0587

Maxam 0264

MCE 0009

McMichael 0043

Mediator 0037 0556 0012

Medion 0037 0668 0519 0512 0556 1137
0698 0808 1908 1037 1437 1900
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Megas 0610

Megatron 0145 0178

MEI 1037 0037 0556

Meletronic 0346 0037 0512 0109 0343 0247
0105 0104 0374 0009 0217 0480
0492 0216 0411 0349 0163 0287
0556 0634 0361 0191 0195 0661

Melvox 0400

Memorex 0009 1920 0178 0250 0060 1924

Memphis 0337 0072 0009 0385

Mercury 0001 0037 0009 0556 0329

Metz 0195 0535 0447 0554 0191 0367
0388 0746 0037 0087 0556 0275
0587 0668 1037 1668

MGA 0178 0037 0556 0218 0104

Micromaxx 0037 0556 0668 1037 0630 0808
1668

Microstar 0808

Midland 0032 0039 0047

Minato 0037 0556

Minerva 0487 0535 0195 0070 0191 0554
0516 0108

Minoka 0412 0037 0556 0359

Mirror 1900

Mistral

Electronics 0193

Mitsubishi 0108 0093 0512 0037 0178 0354
0087 0033 0036 0193 0535 0556
0208 1934 1037 1917

Mitsuri

General 0163

Mivar 0292 0290 0291 0370 0216 0609
0516 0217

Monaco 0009

Morgan's 0037 0556

Motorola 0055 0093

MTC 0060 0370 0349 0512 0163 0216
0361 0448

MTEC 0272 0032

MTlogic 0714

Multi-
broadcast 0193

Multistandard
0102

Multitec 0037 0556 0486 0668 1037 1668

Multitech 0349 0009 0363 0486 0037 0370
0556 0217 0216 0247 0102 0264

Murphy 0104 0216 0039 0072 0163

Musikland 0037 0218 0247 0556

Myryad 0556 0037

NAD 0166 0178 0361 0163

Naiko 0037 0606 0556

Nakimura 0374 0037 0556

Naonis 0363 0163

NAT 0226 0340 0214

National 0214 0226 0340

NEC 0170 1170 1270 0036 0320 0455
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0704 0499 1704 0661

Neckermann 0037 0191 0370 1505 0505 1010
0200 0554 0556 0163 0327 0418
0349 0087 0247 0217 0411 0320
0363 0512

NEI 0037 0556 0337 0431 0371 0163

Nesco 0247 0179 1908

Netsat 0037 0556

Network 0032 0337

Neufunk 0037 0009 0556 0610 0218 0282
0714

New Tech 0037 0009 0556 0343 0217 0448

New World 0218

Nicamagic 0216

Nikkai	0072 0218 0037 0556 0217 0264
	0032 0035 0337 0216 0009 0036
Nikko	0178
Nishi	0482
Nobliko	0102 0070 0216
Nogamatic	0399 0501 0109 0196
Nokia	0361 0163 0480 0349 0548 0492
	0359 0473 0339 0208 0374 0631
	0606 0346 0179 0320 0567 0610
	0109 1912
Nordic	0217
Nordmende	0109 0714 0501 0287 0399 0196
	0343 0198 0560 0195 0037 0556
	0335 0163 0471
Norfolk	0163
Normerel	0037 0556
Novak	0012 0037 0556
Novatronic	0037 0105 0374 0531 0556
NU-TEC	0455 0698
Nurnberg	0163 0361
Oceanic	0567 0163 0400 0361 0294 0208
	0563 0473 0548 0480
Odeon	0264
Okano	0370 0037 0556 0264 0072 0009
Omega	0264
Omni	0780 0698 0826
Onwa	0371 0602 0218 0433 0581 0102
	0431
Opera	0037 0556
Optimus	0250 0650 0166 1924
Optonica	0093
Orbit	0037 0556
Orion	0037 0179 0236 0355 0556 0655
	0714 0235 0443 0294 0177 0320
	0011 0009 0321 0364 0102 0264
	0412 0516 0531 0544 1916 1908
	0033 1905
Online	0037 0218 0556
Ormond	0385 0668 1037 0037 0556 1668
Orsowe	0516
Osaki	0072 0218 0032 0217 0264 0493
	0037 0412 0272 0374 0355 0556
Osio	0037 0556 0290
Oso	0218
Osume	0157 0072 0036 0032 0218 0037
	0556

Otto Versand	1505 0505 1010 0036 0093 0512
	0037 0556 0535 0195 0544 0349
	0554 0191 0361 0235 0109 0294
	0226 0247 0303 0320 0217 0009
	0282 0343 0428 0431 0516 0519
Pace	1908
Pacific	0037 0556 1137 0714 1037
Pael	0216
Palladium	0370 0037 0191 1505 0505 1010
	0200 0418 0554 0556 0247 0327
	0349 0087 0163 0217 0411 0655
	0519 0363 0630 0714 1137
Palsonic	0264 0412 0037 0284 0217 0377
	0218 0698 0556 0448 0773 0779
	0001 0418
Panama	0009 0217 0264 0216 0037 0556
	0247
Panashiba	0001
Panasonic	0650 0055 1650 0108 0250 1924
	0226 0214 0361 0367 0340 0516
	0037 0556 0163 0548 1210 1310
	1930 0001 0853 1941
Panavision	0037 0411 0556
Pathe	
Cinema	0163 0238 0216 0400 0320 0292
	0349 0431 0370
Pathe	
Marconi	0501 0109 0196 0198 0399
Pausa	0009
Penney	0039 0047
Perdio	0072 0320 0163 0037 0216 0282
	0556
Perfekt	0037 0556
Pershin	0400
Phase	0032
Philco	0087 0084 0074 0418 0145 0247
	0163 0370 0037 0556 0186 0519
Philex	0193 0163
Philharmonic	0217
Philips	0556 0037 0238 0012 0721 0554
	0191 0043 0087 0193 0423 0343
	0570 0374 0000 0772 0009 0200
Phoenix	0037 0556 0370 0486 0163 0087
	0072 0216 0320 0385
Phonola	0037 0556 0012 0087 0193 0216
Pilot	0556 0037 0039 0712
Pioneer	0166 0011 0037 0170 0556 0423
	0428 0370 0343 0361 0109 0163
	0287 0486 0512 0760
Pionier	0370 0486

Plantron 0037 0556 0264 0009
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 Policom 0102 0109 0196 0198 0206 0238
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 0087 0501 0535
 Polytron 0697 0282
 Poppy 0009
 Portland 0374 0039 1909
 Powerpoint 0487 0037 0556
 Prandoni-
 Prince 0247 0516 0361 0363
 Precision 0217
 Premier 0009 0264
 Prima 0032 0009 0264 0303 0412
 Princess 0698
 Prinston 1037
 Prinz 0072 0544 0349 0361 0194
 Profex 0009 0163 0431 0361 0363
 Profi 0009
 Profitronic 0037 0556 0102
 Proline 0037 0556 0625 0634 0630 0411
 0012 0321 0072 0621
 Proscan 0047
 Prosonic 0037 0556 0370 0374 0371 0668
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 Proton 0178
 Provision 0499 0037 0556 1037 0714
 Pye 0037 0556 0012 0087 0554 0374
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 Vision 0400
 Quadral 0218
 Qualcraft 0039
 Quasar 0247 0650 0250 0009 0055 1924
 Quelle 0037 1505 0505 1010 0011 0501
 0109 0512 0535 0544 0349 0554
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 R-Line 0037 0556 0163
 Radialva 0109 0218 0431 0163 0037 0556
 0287 0337

Radiola 0037 0556 0012 0217
 Radiomarelli 0087 0516 0247 0037 0556
 RadioShack 0037 0556 0032 0039 0047 0178
 Radiotone 0009 0037 0556 0428 0370 0579
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 Rank 0070
 Rank Arena 0036 0796 0157 0602 0753
 RBM 0070
 RCA 0047 0625 0093 0560 0335 0343
 0753
 Realistic 0032 0039 0178
 Recor 0037 0418 0556
 Rectiligne 0037 0556
 Rediffusion 0361 0548 0036 0346
 Redstar 0037 0556
 Reflex 0037 0556 1037 0668 1668
 Relisys 0865
 Reoc 0714 0634 1909
 Revox 0037 0556 0370
 Rex 0305 0206 0363 0411 0247 0163
 0259 0264
 RFT 0087 0292 0370 0428 0072 0264
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 Rhapsody 0216
 Ricoh 0037 0556
 Roadstar 1037 0009 0418 0037 0556 0668
 0218 0264 0282 1916 1668
 Robotron 0087
 Rodex 0037 0556
 Rowa 0264 0698 0217 0712 0009 0216
 0587
 Roxy 0448
 Royal Lux 0421 0370 0412 0335
 Rukopir 0556 0037
 Saba 0625 0287 0087 0399 0163 0109
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 0714
 Saccs 0238
 Sagem 0610 0455 0282
 Saisho 0235 0516 0177 0009 0011 0033
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 Sakai 0163
 Sakyno 0455
 Salora 0290 0194 0349 0163 0356 0359
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 0208 0480 0621
 Salsa 0335

Sambers	0516 0102
Sampo	0032 0039
Samsung	0618 0587 0037 0178 0556 0009
	0702 0093 0217 0448 0482 0370
	0264 0329 0216 0290 0644 0060
	0032 0072 0208 0519 0039 0163
	0625 0812
Samsux	0039
Sandra	0216 0217
Sanela	0238
Sansei	0451
Sansui	0037 0729 0556 0706 0371 0655
	0727 0726 0725 0602 0421 0455
	0861
Santon	0009
Sanyo	0208 0157 0292 0721 0036 0011
	0370 0339 0072 0216 0217 0104
	0045 0555 0146 0009 0544 0163
	0037 0108 0556 0486 0799
Save	0037 0556
Saville	1908
SBR	0037 0556 0012 0193 0043
Schaub	
Lorenz	0349 0548 0714 0606 0361 0486
	0374
Schneider	1137 0037 0556 0519 0012 0303
	0544 0349 0394 0259 0343 0217
	0247 0371 0361 0218 0668 1037
	0163 0648 0714 1909 1908 1668
Scotland	0163
Scott	0236 0178 0179
Sears	0047 0146 0171 0178 0179
Seaway	0634
Seelver	0556 1037 0037
SEG	0037 0556 1037 1437 0668 0217
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	0036 0102 0247 0362 0216 0218
	1909 1668 1901
SEI	0087 0102 1505 0505 1010 0163
	0516 0544 0349 0294 0206 0037
	0556 0177
Sei-Sinudyne	0102 0206 0294 0516 1505 0505
	1010 0544 0037 0556 0087
Seleco	0305 0206 0363 0259 0362 0163
	0411 0371 0036 0264 0346 0435
Sencora	0009
Sentra	0035 0218 0009 0349
Serino	0610 0455 0216 0093

Sharp	0093 0039 1193 0157 0036 0294
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	0760 0818 1917
Shintoshi	0037 0556
Shivaki	0037 0556 0443 0451 0374 0178
Shorai	0294 0179
Show	0418 0009 0072
Siarem	0163 0087 0102 0516
Siemens	0191 0535 0554 0200 0195 0327
	0328 0157 0032 0146 0037 0556
	0361
Siera	0037 0556 0012
Siesta	0370
Silva	0037 0556 0216 0361 0648
Silver	0036 0037 0455 0361 0556 0179
	0715 0163
Simpson	0186
Singer	0009 1537 0087 0806 0037 0556
	0102 0247 0435 0400 0567 0335
	0163
Sinotec	0773
Sinudyne	0177 0087 0235 0102 0294 0163
	0361 0516 0544 0349 1505 0505
	1010 0206 0037 0556 1908
Skantic	0356
Sky	0037 0282 0556
Skymaster	0105
Skysonic	0696 0753
SLX	0668 1668
Smaragd	0487
Soemtron	0865
Sogera	0320
Solavox	0032 0361 0072 0163 0548 0037
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Sonawa	0218
Soniko	0037 0556
Sonitron	0208 0370 0339 0217
Sonneclair	0037 0556
Sonoko	0037 0556 0009 0264 0282 0217
Sonolor	0208 0567 0163 0400 1505 0505
	1010 0548 0361 0282
Sontec	0037 0556 0370 0294 0009
Sony	1505 1651 1010 0505 0011 0000
	0036 0102 0353 0037 0556 0157
	1925
Sound	
& Vision	0102 0218 0374 0037 0556
Soundesign	0178 0179 0186
Soundwave	0037 0556 0320 0418 0032 0715
Spectra	0009

Ssangyong 0032 0009
 Stag 0032
 Staksonic 0009
 Standard 0037 0556 1037 0218 0009 0217
 0320 0374
 Starlite 0009 0163 0037 0556 0264 0412
 Stenway 0282 0218
 Stern 0305 0206 0259 0163 0363 0264
 0411 0435
 Strato 0037 0556 0264 0009
 Stylandia 0217
 Sunic Line 0037 0556
 Sunkai 0294 0355 0321 0455 0218 0235
 0610 0037 0556 0487 0531
 Sunstar 0371 0037 0556 0009 0579 0264
 Sunwood 0037 0556 0009
 Superla 0516 0216 0217
 Supersonic 0208 0556 0698 0264 0805
 SuperTech 0009 0037 0556 0216 0218
 Superton 0431
 Supra 0178 0374 0009 0039
 Susumu 0335 0218 0287
 Sutron 0009
 Swissline 0247
 Sydney 0216 0217
 Sylvania 0186
 Symphonic 0171 1904
 Sysline 0037 0556
 Sytong 0216
 T+A 0447
 Tactus 0272
 Tandberg 0367 0411 0109 0337 0196 0362
 0361 0163
 Tandy 0039 0218 0072 0217 0247 0093
 0163
 Tashiko 0036 0043 0217 0146 0170 0032
 0216 0359 0163 0363
 Tatung 0055 0037 0556 0072 0516 0217
 0272 0011 0629 0621 0033 1908
 TCM 0714
 Teac 0698 0512 0037 1437 1037 0556
 0712 0668 0455 0217 0706 0264
 0544 1909 0686 0178 0009 0171
 0412 0349 0721 0282 0418 0431
 0755 0170 0714 1932 1668 1913
 1949 1724
 TEC 0217 0009 0247 0471 0335 0337
 0259 0037 0556 0361 0163
 Tech Line 0037 0556 0668 1437 1668
 Techica 0218

Technema 0320
 Technics 0250
 TechniSat 0655 0037 0556 0163
 Technol Ace 0179
 Tecnimagen 0556
 Tedalex 0217 0418 0606 1537 0009 0706
 0208 0698 0587 0037 0284 0556
 0431
 Teiron 0009
 Teknika 0060 0179 0186 0039
 Teleavia 0109 0501 0287 0196 0399 0343
 Telecor 0037 0556 0163 0218 0217 0259
 0284 0394
 Telefunken 0109 0625 0702 0501 0587 0698
 0498 0712 0471 0820 0399 0287
 0074 0084 0101 0335 0262 0306
 0073 0343 0196 0037 0556 0486
 Telefusion 0037 0556
 Telegazi 0037 0163 0259 0218 0264 0284
 0556
 Telemeister 0320 0037 0556
 Telesonic 0037 0556
 Teletar 0009 0037 0556 0579 0412
 Teletech 0037 0556 0668 0009 0247 0337
 1037 1668
 Teleton 0217 0275 0206 0163 0349 0259
 0186 0036 0363
 Televideon 0320 0163 0216
 Teleview 0037 0556
 Televiso 0400
 Telexa 0102
 Temco 0294
 Tempest 0009 0037 0556 0264
 Tennessee 0037 0556
 Tensai 0104 0218 0037 0556 0217 0294
 0320 0009 0105 0374 0371 0377
 0247 0715 0163
 Tenson 0320 0009
 Tesla 0037
 Tevion 0519 0037 0556 0648 0668 1137
 0714 1037 1668
 Texet 0217 0374 0009 0216 0218
 Thomas 1904
 Thomson 0625 0560 0287 0109 0501 0399
 0471 0335 0196 0198 0343 0037
 0556 0574 0349

Thorn	0108 0193 0109 0073 0225 0343
	0190 0361 0238 1505 0505 0192
	1010 0074 0084 0499 0535 0037
	0072 0556 0011 0104 0012 0335
	0512 0033 0359 0036 0043 0272
	0045 0374 0035 0070 0101 0356
	0501
Thorn-	
Ferguson	0104 0108 0109 0190 0192 0238
	0193 0361 0335 0499 0073 0035
TMK	0178 0177
Tobishi	0218
Tokai	0072 0037 0556 0337 0668 0448
	0163 0217 0374 0009 1037 1668
Tokaido	1037
Tokyo	0216 0035 0448 0329 0303
Tomashi	0282 0218
Tongtel	0780
Toshiba	0035 0060 0502 0508 0243 0036
	0070 0102 1508 0217 0109 0718
	0195 0191 0618 1916 1908 0009
	0698 0037 1945
Totevision	0039
Towada	0349 0102 0217
Toyoda	0009 0371 0493 0264
Trakton	0009 0264 0217
Trans	
Continens	0668 0217 1037 0037 1668 0556
	0486
TRANS-	
continents	0621
Transonic	0037 0556 0455 0587 0512 0264
	0698 0712 0418 0009
Transtec	0216
Triad	0037 0556
Trical	0157
Trident	0516 0217
Tristar	0264 0218 0193
Triumph	0177 0516 0346 0556 0037 0243
Tsoschi	0282
TVTEXT 95	0556
Uher	0037 0556 0206 0320 0303 0374
	0418 0486 0370 0259 0480
Ultra	0192
Ultravox	0087 0102 0374 0247 0216 0163
	0037 0556
Unic Line	0037 0556 0473 0455 0349
United	0037 0556 0714 0715
Universal	0037 0556

Universum	0346 0105 0535 0195 0473 0361
	0247 0492 0480 0370 0200 0418
	0011 0146 0512 0294 0036 0157
	0032 0070 0163 0264 0104 0037
	0556 0421 0411 0290 0074 0306
	0327 0328 1505 0505 1010 0668
	0544 0349 0217 0501 0109 0362
	0337 0177 0631 0554 0009 0084
	1901 1037 1437 0170 1668
Univox	0037 0556 0337 0087 0163 0238
Utax	0163
Vestel	0037 0163 0217 0556 0668 1037
	1668
Vexa	0009 0037 0556
Vibrant	0272
Videologic	0218 0216
Videologique	0216 0218 0217
Videosat	0247
VideoSystem	0037 0556
Videotechnic	0216 0320 0217 0374
Videoton	0356 0163 0431
Vidikron	0102
Vidtech	0036 0178
Viper	0337
Visiola	0216
Vision	0032 0037 0264 0556 0320 0217
Vistar	0206 0361 0567
Vortec	0037 0556
Voxson	0087 0037 0556 0363 0418 0163
	0178
Waltham	0217 0356 0418 0287 0385 0037
	0556 0668 0109 1037 0431 1668
Wards	0179
Watson	0037 0556 0320 0163 0218 0305
	0579 0519 0394 0009 0668 1037
	1908 1437 1668
Watt Radio	0102 0544 0349 0163 0216
Wega	0037 0556 0036 0087
Wegavox	0009 0037 0556
Weltblick	0037 0556 0320 0217
Welttech	0284
Weston	0037 0556
Wharfedale	0037 0861 0519 0556
White Wes-	
tinghouse	0320 0216 0037 0556 0337 1909
Windsor	0668 1037 1668
Windstar	0282 0337
Windy Sam	0556
Wintel	0714
Worldview	0455

Xenius	0634
XLogic	0698 0860
Xrypton	0037 0556
Yamaha	0650
Yamishi	0282 0455 0218 0037 0556 0217
Yokan	0037 0556
Yoko	0217 0037 0556 0218 0264 0009 0431 0421 0370 0305 0339 0216 0247
Yorx	0218
Zanela	0238
Zanussi	0206 0305 0363 0217
Zenith	1909
Zenor	0339
ZX	0284 1908

Video Recorders

Videorecorder

Magnétoscopes

Vídeos

Vídeo Gravadores

Videoregistratori

Videorecorders

@sat	1966
Accent	0072
Accuphase	0637
Adyson	0072
Aim	0278
Aiwa	0307 0000 0209 0348 0352 0037 0687 0742 0041 0680 0468
Akai	0037 0106 0315 0642 0041 0020 0352 0240
Akashi	0072
Akiba	0072
Akura	0072 0041
Alba	0278 0072 0209 0352 0020 0000 0315 0348 0081
Allorgan	0240
Allstar	0081
Ambassador	0020
Amstrad	0000 1942 0278 0072
Anitech	0072
Ansonic	0000
Aristona	0081
ASA	0037 0081

Asuka	0072 0037 0081 0000 0038
Audiosonic	0278
Audioton	0020
AVP	0352 0000
AWA	0037 0278 0642 0043
Baird	0106 0278 0104 0041 0000
Bang & Olufsen	0499
Basic Line	0278 0209 0020 0072 0104
Baysonic	0294
Beko	0104
Bestar	0278 0020
Black Diamond	0642 0278
Black Panther	0278
Blaupunkt	1562 0226 1162 1262 0081 0034
Blue Sky	0037 0209 0348 0072 0352 0278 0000 0480 0642
Bondstec	0020 0072
Brandt	0041 0320 0321
Brandt Electronique	0041
Brinkmann	0209 0348
Broksonic	0294 0479
Bush	0072 0278 0315 0209 0352 0000 0348 0081 0642
Carena	0209 0081
Carrefour	0045
Casio	0000
Cathay	0278
Catron	0020
CGE	0041 0000
Cimline	0072 0209
Clatronic	0020 0072 0000
Comag	2009
Combitech	0352
Condor	0020 0278
Crown	0037 0278 0072 0480 0020
Cyrus	0081
Daewoo	0278 0642 0637 0844 0209 0348 0352 0045 0020
Dansai	0072 0278
Dantax	0352
Daytron	0278
de Graaf	0042 0166 0081 0104 0048
Decca	0000 0041 0081 0067 0348 0209 0352
Deitron	0278
Denko	0072

Diamant	0037
Domland	0209
DREAM multi-media.TV	1968
Dual	0041 0081 0278 0000 0348
Dumont	0000 0081 0104
Echostar	1961
Elbe	0278 0038
Elcatech	0072
Elin	0240
Elsay	0072
Elta	0072 0278
Emerson	0072 0045 0479 0294 0000
ESC	0278 0240 0020
Etzuko	0072
Europhon	0020
Fast	0897
Fenner	0020
Ferguson	0041 0320 0321 0000 0278
Fidelity	0000 0072 0240 0432 0352
Finlandia	0104 0081 0042 0166 0000 0048 0384 0037 0043 0106 0226
Finlux	0000 0081 0104 0042
Firstline	0072 0209 0348 0043 0037 0045 0042 0278
Fisher	0047 0104 0038 0020
Flint	0209 0348
Force	1963
Frontech	0020 0072
Fujitsu	0000
Fujitsu General	0037
Funai	0000
Galaxi	0000
Galaxis	0278
GBC	0020
GbSAT	1947
GE	0320 0760
GEC	0081
Gecco	2009
General	0020
General Technic	0348
Genexxa	0104
Goldhand	0072
GoldStar	0037 1237 0480 0000
Goodmans	0000 0072 0240 0278 0062 0037 0020 0343 0081 0348 0209 0637 0352 0642
GPX	0037

Graetz	0041 0104 0240
Granada	0104 0048 0081 0240 0037 0226 0042 0000 1162 1262
Grandin	0072 0037 0020 0000 0278 0209
Grundig	0081 0347 0349 0226 0320 0348 0072 1162 1262 0209 0352 0742 0034 1948
Haaz	0348 0209
Hanimex	0352
Hanseatic	0037 0209 0278 0081 0038
Hantor	0020
Harwood	0072
HCM	0072
HDT	1951
Hewlett Packard	1972
Hinari	0072 0209 0352 0041 0343 0278 0240
Hisawa	0209 0352
Hischito	0045
Hitachi	0042 0166 0041 0000 0240 0081 0104 0384 0593
Höher	0278 0642
Hornophon	0081
Humax	2004
Hypson	0072 0209 0278 0352 0000 0037 0480
Hyundai	1950 1951
Impego	0020
Imperial	0000 0240
Ingersoll	0209 0240
Inno Hit	0020 0240 0278 0072
Interbuy	0037 0072
Interfunk	0081 0104
Internal	0278 0637
International	0278 0037
Intervision	0000 0278 0037 0209 0348
Irradio	0072 0037 0081
ITT	0106 0041 0384 0104 0240
ITT Nokia	0048 0552
ITV	0278 0037 0020
JMB	0209 0352 0348
Joyce	0000
JVC	0041 0067 0384
Kaisui	0072
Kambrook	0037
Karcher	0278
Kathrein	1952 1953
Kendo	0106 0209 0315 0348 0072 0037 0278

Kenwood 0041 0038
 KIC 0000
 Kimari 0047
 Kneissel 0352 0209 0348 0037 0278
 Kolster 0209 0348
 Korpel 0072
 Kuba 0047
 Kuba
 Electronic 0047
 Kuwa 0226 1162 1262
 Kyoto 0072
 Lenco 0278
 Leyco 0072
 LG 0037 1237 0480 0000 0278
 Lifetec 0209 0348
 Loewe 0081 1562 1162 1262 0226 0037
 Logik 0240 0072 0106 0209
 Lumatron 0278 0593
 Lux May 0072
 Luxor 0106 0043 0072 0062 0104 0047
 0048 0315
 Magnavox 0081 0642
 Magnum 0642
 Manesth 0072 0045 0081 0209
 Marantz 0081 0038 0062 0209
 Mark 0278 0020 0000
 Master's 0278
 Matsui 0209 0348 0037 0240 0352 0000
 0687 0742
 Mediator 0081
 Medion 0209 0348 0352 2009
 Meletronic 0000 0037 0038
 Memorex 0104 0000 0037 0048 0047
 Memphis 0072
 Mercury 0020
 Metronic 0081
 Metz 1562 1162 1262 0226 0347 0081
 0037 0836 0837
 Micormay 0348
 Micromaxx 0209 0348
 Microstar 1960
 Migros 0000
 Mitsubishi 0043 0067 0081 0480 0608 0000
 0642
 Multitec 0037
 Multitech 0000 0072 0020 0104
 Murphy 0000
 Myryad 0081
 NAD 0104
 Naiko 0642

National 1562 1162 1262 0226
 Nebula
 Electronics 0033
 NEC 0041 0038 0067 0040 0104 0037
 0278
 Neckermann 0041 0081
 Nesco 0072 0000 0352
 Neufunk 0209 0037
 Nikkai 0020 0072 0278
 Nokia 0104 0106 0315 0041 0278 0240
 0048 0042 0081 0552
 Nordmende 0041 0384 0320 0321 0494 0067
 NU-TEC 0209 0348
 Oceanic 0000 0048 0106 0081 0104 0041
 Okano 0315 0209 0348 0072 0278
 Onimax 0642
 Opentel 2009
 Orbit 0072
 Orion 0209 0294 0352 0343 0348 0479
 0349 0742
 Orson 0000
 Osaki 0000 0037 0072
 Osume 0072
 Otake 0209
 Otto Versand 0081
 Pace 0352 1942 1973
 Pacific 0000
 Palladium 0072 0315 0037 0041 0209 0240
 0348 0432
 Palsonic 0072 0000 0642
 Panasonic 1562 1662 1162 1262 0226 0836
 0837 1941
 Pathe
 Cinema 0043
 Pathe
 Marconi 0041
 Perdio 0000 0209
 Philco 0038 0072 0479
 Philips 0081 0384 0593
 Phoenix 0278 1959
 Phonola 0081
 Pilotime 1971
 Pioneer 0067 0081 0042
 Portland 0020 0278 0637
 Prinz 0000
 Profitronic 0081 0240
 Proline 0000 0278 0320 0642 0321
 Proscio 0278
 Prosonic 0209 0278 0000
 Protech 0081 0278

Provision	0278
Pye	0081 0000
Quasar	0278
Quelle	0081
Radialva	0037 0072 0081 0048
Radiola	0081
Radionette	0037
Rank	0041
Rank Arena	0041
RCA	0760 0320
Rebox	1947
Reoc	0209 0348 0637 0278
Rex	0041 0384
RFT	0020 0072
Roadstar	0240 0072 0037 0278 0742 0081
Royal	0072
Saba	0041 0320 0321 0384 0494 0062 0278
Sagem	1955
Saisho	0209 0348
Salora	0043 0106 0104
Samsung	0240 0432 0620 1959
Samurai	0020
Sansui	0041 0067 0106 0072 0348 0479
Sanyo	0104 0047 0048 0067
Sat Control	1966
Saville	0352 0278 0240
SBR	0081
Scan Sonic	0240
Schaub	
Lorenz	0041 0104 0000 0106 0315
Schneider	0072 0000 0037 0081 0278 0240 0042 0897 1959 0352 0642
Scott	0294
Seaway	0278
SEG	0072 0240 0278 0642 0081 0637
SEI	0081
Sei-Sinudyne	0081
Seleco	0041 0384 0020 0037
Sentra	0072 0020
Setron	0072
Sharp	0048 0062 0037 0569
Shintom	0072 0104
Shivaki	0037
Siemens	0037 0104 0081 0320 0347
Siera	0081
Silva	0037
Silver	0278
Singer	0348 0045
Sinudyne	0081 0209 0352

skyplus	2009
Smaragd	0348
Solavox	0020
Sonitron	0047
Sonneclair	0072
Sonoko	0278
Sonolor	0048 0062
Sontec	0037 0278
Sony	0033 0034 0032 0106 1032 1232
Soundwave	0037 0209 0348
Ssangyong	0072
Standard	0278
Starlite	0037 0104
Stern	0278
Strong	1966 1958
Sunkai	0209 0348 0278
Sunstar	0000
Suntronic	0000
Sunwood	0072
Supra	0037 0240 0348
Symphonic	0000 0072
T+A	1162 1262 0226
Taisho	0209
Tandberg	0278
Tashiko	0000 0048 0240 0081 0037
Tatung	0000 0041 0081 0048 0043 0209 0348 0352
Tchibo	0348
TCM	0348
Teac	0072 0041 0000 0278 0642 0037 0081 0307 0781 0593 0637 0844
TEC	0020 0278 0072
Tech Line	0072
Technics	0226 1162
TechniSat	0348 0209
Tedex	0037 0348
Teleavia	0041
Telefunken	0642 0041 0209 0320 0321 0384 0494 0278
Telestar	0037
Teletex	0072 0278 0000
Tempest	0020
Tenosal	0072
Tensai	0000 0037 0072 0278
Tevion	0348 0209
Texet	0278 0020
Thomson	0320 0722 0321 0041 0067 0384 0494 0278
Thorn	0041 0104 0037

Thorn-	
Ferguson	0320
Tokai	0072 0037 0041 0104
Tokiwa	0072
Topfield	1959
Topline	0348
Toshiba	0045 0041 0384 0043 0081 0352 0742
Towada	0072
Tradex	0081
Trakton	0020
Tredex	0278
Triad	0278
TVA	0020
Uher	0037 0240
Ultravox	0278
Unitech	0240
United	0348
United	
Quick Star	0278
Universum	0000 0081 0240 0037 0106 0348 0209 0104
Victor	0067
Video Pro	0020
Video Technic	0000
VideoPro	0020
Watson	0081 0352 0278 0642
Weltblick	0037
Wharfedale	0593 0642
World	0348
Yamaha	0041
Yamishi	0072 0278
Yokan	0072
Yoko	0037 0072 0020 0240
Zehnder	1960 2009
Zenith	0637
ZX	0209 0348 0352

Satellite Receivers

Satellitenempfänger

Récepteurs satellites

Receptores de satélite

Receptores de satélite

Ricevitori via Satellite

Satelliet-ontvangers

@sat	1300
ABsat	0832 0668 0123 1323 0710 0713
ADB	0642 1259 1367 1491 1493 1494 1495 1473
Adcom	0200
Aegir	0520
AGS	0668 0710
Akai	0200
Akena	0668
Alba	0455 0713 1284
Aldes	0520
Allsat	0200 1017 1043
Allsonic	0369
Alltech	0713
Alpha	0668 0200
Altai	0396
Amitronica	0713
Ampere	0396 0132
Amstrad	0345 0847 1175 0713 0742 0396 0132 0882 0885 0863 0501 0795 1113
Anglo	0713
Ankaro	0369 0713 1279
AntSat	1017 1083
Apollo	0455
Arcon	1205 1043 0834 0132 1075 1279
Armstrong	0200
Arnion	1300
ASA	0397
Asat	0200
ASCI	0114
ASLF	0713
AssCom	0853
Astacom	0668 0710
Aston	1129 0142 1261
Astra	0108 0607 0713
Astrastar	0548

Astro	0133 0173 0520 0369 0501 0658
	0548 0607 1113 1099 1100 0200
	0292
Athena	0668
Atlanta	0871
Aurora	0879 0642
Austar	1259 0863 0642 0497 0879 1176
	1173
Avalon	0396
Axiel	0668 0710
Axis	1111 0369 0834
Barcom	0108
Beko	0455
Bentley	
Walker	1017
Best	0369
Blaupunkt	0173
Blue Sky	0713 0885
Boca	0132 0794 0713
Boston	0132 0710 0668 0794
Broco	0713
BskyB	0847 1175
BT	0668 0710 1296
Bubu Sat	0713
Bush	1471 1475
Cambridge	0501
Canal	
Satellite	0853 1339 0292
Canal+	0853 0292
CCE	0345
Cherokee	0123 0710 1323 1480
Chess	0114 0157 0605 0713 1085
CityCom	1176 0115 0607 0299 0818
Claasen	
Nachrichten	0520
Clemens	
Kamphus	0834 0396
CNT	0520
Cobra	0396
Colombia	0668 0132
Columbia	0132 0794
Columbus	0668
Comag	0132 1412
Condor	0369 0607
Connexions	0396 0369
Conrad	0607 0573 0115 0369 0501 0132
Conrad	
Electronic	0607 0713
Cryptovision	0455 0795
Cyrus	0200

D-box	1127 1114 0723 0873
Daeryung	0396
Daewoo	1296 0713 1111
Daumling	0794
Delfa	0863
Deltasat	1075
DGTEC	1242 1542
Digatron	1294
Digena	1100
Digenius	0299 1161
Digitality	0607
Digipro	1105
DigiQuest	0863
DigitAll	
World	1227
DiPro	1473
Discoverer	0605 0157
Discovery	0668 0710 1480
Diseqc	0710
Distratel	0084 0885 1205 1283
Distrisat	0200
DMT	1075
DNT	0200 0396
DREAM multi-	
media.TV	1237 1537 1637 1437
DStv	0642 0879
Dune	0369
Dynasat	0679
Echostar	0610 1467 0871 0167 0853 1086
	1200 0454 0396 0713 0668 0511
	0453 1323 1477 1473
Einhell	0132 0713 0501 0794
Elap	0713 1129 0668 0710
Elekta	0520
Elsat	0713
Elta	0200 0369
Emme Esse	0369 0679 0871
eMTech	1214
Engel	1017 0713
EP Sat	0455
Euricult	0084 0885 0882 0136
Eurocrypt	0455 0108
EuroLine	1251
Europa	0863 0607 0501 0200
European	0794
Europhon	0299 0607 0132
Eurosky	0607 0132 0299 0115 0369 0114
	0501
Eurostar	0607 0679 0115 0818
Eutelsat	0713

Fenner	0668 0157 0605 0713 0369
Ferguson	0455 0711 1291
Fidelity	0501
Finlandia	0455 0108
Finlux	0108 0573 0455 0397
Flair Mate	0713
Force	1194 1101
Fortec Star	1017 1083
Foxtel	1356 0879 0720 0455 0497 0795 1176 0345 1173 1162
Fracarro	0871 0668
Freecom	0501 0173
Freesat	0882
FTEmaximal	0369 0713 0863
Fuba	0369 0396 0173 0573 0108 0115 1161 0299
Fugionkyo	1105
Galaxis	1111 1101 0834 0863 1176 0853 0369 0115 0879
Gardiner	0818
Garnet	1075
GbSAT	1214
Gecco	1412
GF	0834 1043
GF Star	1043
GOD Digital	0200
Goldbox	0292 0853
Golden	
Interstar	1283
Goldvision	1017
Gooding	0571
Goodmans	1284 0455
Gradiente	0887
Granada	0108 0455
Grandin	0084 0136
Grundig	0173 0847 1150 1291 0571 0750 0345 0879 0885 0853 0501 1330
Hanseatic	0605 1099 1100
Hänsel	
& Gretel	0132 0607
Hanuri	0520
Hauppauge	1294
HB	1214
HDT	1011 1159
Heliocom	0607
Helium	0607
Hirschmann	0396 0882 1113 1111 0173 0573 1085 0397 0299 0501 0710 0607 0668 0369 0108
Hitachi	0455

HNE	0742 0132
Homecast	1214
Houston	0668 0396
Humax	1176 0863 1225 1427
Huth	0132 1143 0607 1017 0794 1075
Hypson	0136
Hyundai	1011 1159 1075
iCan	1367
ID Digital	1176 0863
Imex	0084 0136 0520
Ingelen	0396 0882
International	0132
Interstar	1105 1017 1214
Intervision	0628 0607
Invideo	0871
Irdeto	
Technology	0879
IRTE	0609
Italtel	0871
ITT	0108
ITT Nokia	0108 0573 0455 0397 0873 0723
Jepssen	1214
JOK	0710
JVC	0571
K-SAT	0713
Kamm	0713
Kaon	1300
KaTelco	1111
Kathrein	0658 0249 1057 0173 1221 1224 0200 0713 0668 0818 0742 0123 0115 1323 0710 0114
Kathrein	
Eurostar	0115
Kenwood	0853
Key West	0794 0132
Kiton	0114
Klap	0668 0710
Konig	0607
Koscom	0834 1043
Kreiling	0658 0249 0114 1480
Kreiselmeier	0173
Kyostar	0132
L&S	
Electronic	0369 1043 0132
Labgear	1296
LaSAT	0369 0520 0607 0115 0132 0157 0299
Lemon	1461
Lenco	0713 0115 0369 0607
Lenson	0501

Lexus	0200
LG	1075
Lifesat	0605 0132 0369 0157 0299 1043
	0713
Lodos	1284
Logix	1017 1075
Lorenzen	0299 1294 1161 0794 0867 0607
	0742 0132
Lupus	0369
Luxor	0108 0345 0573 0873 0501
M&B1	0605
Macab	0853
Madritel	0642
Manata	0710 0668 0136 0713 0132
Manhattan	1083 0455 0520 0710 0668 0834
	1017
Marantz	0200
Mascom	0520
Maspro	0750 0713 0173 0571
Matsui	0571 0710 0173
Max	0607
Maximum	1075
MB	0605
MDS	1225
Mediabox	0292 0853
Mediacom	1206
MediaSat	0501 0292 0853
MediaStar	1173
Medion	0713 0299 1043 0369 0132 1075
	1412
Medison	0713
Mega	0200
Meletronic	0818
Metronic	0713 1215 1279 1282 0520 1283
	0084 0136 0818 0885 1205
Metz	0173
Micro	0607 0501 0713 1294
Micro	
electronic	0713
Micro	
Technology	0713
Micromaxx	0299 0369
Microstar	1075
Microtec	0713
Minerva	0571
Mirage	0511
Mitsubishi	0455
Morgan's	0200 0794 0713 0132
Motorola	0856
Multichoice	0642 0879

Multitec	0157
Myryad	0200
Mysat	0713
Netgem	1322
Neuhaus	0501 0713 0834 0607
Neusat	0713 0834 1279
Neveling	1161
Newton	0396
NextWave	1143 1017
Nikko	0713 0723 0200
Nokia	1023 1114 0751 1127 0723 0873
	0853 0573 0108 1223 0455 0397
	1723
Nordmende	0455 0520
Nova	0879
OctalTV	1294
Okano	0668
OnDigital	0751 0329 0241 0867 0133
Opentel	1412
Optex	0834 1283 1043 0114
Optus	0879 0292 0853 1143
Orbitech	1099 1100 0200 0292 0501 0548
	0157 0114 0834
Origo	0497
OSAT	0345
Ouralis	1205
Oxford	0668
Pace	0455 0847 0887 1175 1356 0241
	0867 0123 1323 0791 0795 0720
	0497 0200 0853 0710 1423
Pacific	
Satellite	0834
Packard Bell	1111
Packsat	0710
Palcom	0299 1161
Palladium	0571 0501 0396
Palsat	0501 0157
Panasat	0879 0615
Panasonic	0847 1304 0455 1320
Panda	0455 0108 0607 0173 0834
Patriot	0668 0132 0710
Philips	0200 1114 0292 0853 0455 0750
	0710 0668 0571 0173 0133 0818
	1533
Phoenix	1273
Phonotrend	0863 1017 1200
Pilotime	1339
Pioneer	0329 0853 0292 1308 0352
Planet	0871 0396
Polytron	0396

Praxis 0511
 Preisner 0132 0396 0794 1101 1113
 Premier 0292
 Premiere 0853 1114 1127 0723 0873 1111
 1176 1100 0249 0658 0292
 Primacom 1111
 Pro Visat 0520
 Profile 0668 0710
 Promax 0455
 Prosat 0628 1173
 Prosonic 0742
 Provision 0520
 Pye 0571
 Pyxis 0834
 Quadral 0369 0628 0668 0710 1323
 Quelle 0607 0742 0115 0299
 Radiola 0200
 Radix 0396 1113 0882
 Rebox 1214
 Red Star 0369
 Regal 1251
 RFT 0200
 Roadstar 0713 0853
 Roch 0136
 Rover 0628 0713 0369
 S-ZWO 1207
 Saba 0520 0710 0885 0115 0607
 Sabre 0455
 Sagem 0820 1114 1253
 Salora 0108
 Samsung 0863 1243 1458 0853 1206 1017
 1244 1293
 Sansui 0751
 SAT 0501
 Sat Control 1300
 Sat Cruiser 1143
 Sat Partner 0520 0501
 Sat Team 0713
 Satcom 0605 0607
 Satec 0713 0834
 Satelco 0369
 Satline 0628
 Satplus 0157 1100
 Satstation 1083
 Schneider 1251 0710 0668 0157 1206
 Schwaiger 1083 0605 0863 0157 0607 0885
 1111 0132 1075
 SCS 0115 0299
 Sede Electronique
 0132 1105

Seemann 0396
 SEG 0369 0605 0742 0114 1087 1251
 1075
 Seleco 0871
 Septimo 1205 0885
 Serino 0610
 Servi Sat 0136 1251 0713
 Siemens 0173
 Silva 0299
 Skantin 0713
 Skinsat 0501
 SKR 0713
 Sky 0847 0856 0887 1014 0711
 SKY Italia 1847 1848
 SKY+ 1175
 Skymaster 0713 0605 0157 1200 1085 1075
 0628
 Skymax 0200
 skyplus 1412
 SkySat 0157 0605 0713 0501 0114 0607
 SL 0132 0742
 SM Electronic 0157 0713 1200 1075 1085
 Smart 0132 0299 1101 0882 0396 1113
 0115 0713 1273 0794
 Sony 0282 0847 0853 0455 0292
 SR 0132
 Star Sat 1085
 Starland 0713
 Stream 1847 1848
 Strong 0369 0520 0879 0853 1105 1158
 1159 1300 1473
 STVI 0136
 Sunkai 0123
 Sunny Sound 0369
 Sunsat 0713
 Sunstar 0369 0794 0132 0642
 Super Sat 0679
 Supermax 1143
 Systec 0132
 Tantec 0455
 Tarbs 1225
 Tatung 0455
 Teac 1227 1225 1322
 Tecatel 1200
 TechniSat 0200 0292 1099 1100 0501 0548
 1322 0114 0157 0455 0863 0396
 Technomate 1283
 Technosat 1143 1206
 Technotrend 1429
 Technowelt 0607 0885 0132

Techsan	1017
Techwood	0114
tekComm	1017
Telasat	0605 0115 0607
Teleciel	1043
Telecom	0713
Telefunken	0710
Teleka	0396 0750 0501 0607 0834
Telemaster	0520
Telesat	0605 0607
Telestar	0501 1099 1100 0114 0200 0157 0292 1251
Telesystem	0396 1251
Teletech	0114
Televes	0455 0501 0132 1214 0511 1300
Tempo	1143
Tevion	0713
Thomson	0455 0711 1900 0847 0713 0292 0853 0115 0607 1291 0820 0668 0710 1046 1198 1498
Thorn	0455
Tioko	0132
Tokai	0200
Tonna	0455 0668 0501 0713 0834
Topfield	1206 1207
Toshiba	1446 0455
TPS	0820 1253 1307
Triasat	0501
Triax	0501 0115 0200 0396 0713 0853 0114 1296 1291 0132 1099 1113 1227 1251
Trio	1075
Turnsat	0713
Twiner	0132 0136 0713
UEC	0879 1162
Uher	0157
Uniden	0834
Unisat	0200 0132
United	1251
Universum	0173 0571 0397 0607 0299 0115 0742 1087 0114 1099
Van Hunen	1161 0299
Variosat	0173
Vega	0369
Ventana	0200
Vestel	0742 1251 0114
VH-Sat	1161 0299
Viasat	1323 1023 1198 0820
Visionic	1105 1279
Visiosat	0710 0713 0142 0114 1129

Vivid	1162
VTech	0818
Welltech	0157
Wetekom	0157 0605 0501
Wewa	0455
Wisi	0173 0396 0299 0455 0501 0607 0834
Woorisat	0520
Worldsat	0710 1473 0114 0123 0668 1251 1480
XCOM	0832 0123 0668
Xcom	Multimedia 0668
Xrypton	0369
XSat	0832 0668 0713 0123 1214 0847 1323
Xtreme	1300
YES	0887
Zehnder	1075 0742 0114 0115 0818 1251 0520 0369 0419 1412
Zenith	0856
Zeta	Technology 0200
Zinwell	1176 1173
Zwergnase	0794

Cable Converters

Kabelsignalumwandler

Décodeurs de câble

Decodificadores

Conversores de Cabo

Decoder

Kabel Decoders

Alcatel	0896
Amstrad	1222
Austar	0012 0276
BT	0003
Cabletime	0448 0665
Canal Plus	0443
Comcrypt	0443
Decsat	0423
Eurodec	0423
Filmnet	0443
Foxtel	1222

France	
Telecom	0451 0817 0896
freebox	1482
General	
Instruments	0276 0003
Golden	
Channel	1110
HyperVision	0619
Jerrold	0003 0276
Kabelvision	0003
Macab	0817
Melita	0003
MNet	0443 0019
Motorola	0276 1106 1483
Mr Zapp	0817
Multichoice	0019 0443
Noos	0817
NTL	1060 1068 0250
Oak	0019
Ono	1068
Optus	0276 1060
Pace	1068 1060 1368
Philips	0619 0451 0817 0286
PVP Stereo	
Visual	0003
Sagem	0817 1089
Scientific	
Atlanta	0277
Tele	
Danmark	0619 1016
Tele+1	0443
Teledanmark	0619 1016
Telepiu	0443
Telewest	1368 1068 1060
Thomson	1110
Tri-Vision	1257
Tudi	0286 0619
United Cable	0003
Videotron	0250
Videoway	0250
Visiopass	0451 0817

VIDAC

Hauppauge	1408
Hewlett Packard	1272
Panasonic	1193

DVD

3DLAB	0539
A-Trend	0714
Acoustic	
Solutions	0730
AEG	0788 0770 0790
Afreey	0698
Aim	0699
Airis	1224
Aiwa	0641 0695 1912 0869 1136 0533
Akai	0611 0790 0779 0788 0766 0690 0716 0884 0713 0852 0705 1083 1115
Akashi	0838
AKI	0853 0718 0780
Akira	0699
Akura	1171 0898 1051
Alba	0717 0699 0713 0723 0695 0730 0783 0539 0672 1140 1051
Albatros	1100
All-Tel	0790 0712
Amitech	0784 0770 0850
Amoisonic	0764 0835
Amstrad	0713
AMW	0872
Ansonic	0759 0831
Apex Digital	0672 0799 1100 1056
Arcam	0732
Arena	0852
Aria	0893
Arianet	0893
Asono	1224
ATACOM	1224
ATD	0718 0881
Audiosonic	0690
Audix	1083
Auvio	0843 1090
AWA	0730 0872
Axion	0730
Baier	0752
Bang	
& Olufsen	1025
Basic Line	0713 1994
BBK	0862 1084
Bellagio	0872
Belson	1103 1923
Best Buy	0857
Black	
Diamond	0713 0766

Blaupunkt 0717
 Blue Sky 0699 0695 0713 0672 0843 0651
 Boghe 1004 1221
 Boman 0783
 Bosston 0777
 Brainwave 0770 1997 1115
 Brandt 0651 0551 0503
 Britannia 0746
 BskyB 1980
 Bush 0699 0690 0689 0717 0713 0516
 0676 0811 0818 0695 1695 0879
 0831 0884 0723 1021 0730 0833
 C-Tech 0768
 Cambridge
 Audio 0751 0696 1084 1109
 Cambridge
 Soundworks 1916 0696
 CAT 0699 0786 0789 0787 1015
 CCE 1917
 Celestial 0672 1020
 Centrex 0672 1004 1915
 Centrum 0713 0789 0779 0893 1994
 CGV 0770 0751
 Cinetec 0713 0872
 cineULTRA 0699
 CineVision 0876
 Classic 0730 1917
 Clatronic 0788 0779 0818 0672
 Clayton 0713
 Coby 0730
 Compacks 0826
 Conia 0852 0764 0516 0835 0672 1125
 Contel 0788
 Continental
 Edison 0872
 Crown 0770 0651 0690
 Crypto 0882
 Cybercom 0831
 CyberHome 0714 0816 0874 1023
 Cytron 0716 0651 0705 0831
 D-Vision 1115
 Daewoo 0770 0705 0832 0833 0714 1918
 0870 0872
 Daewoo International
 0872 0699
 Dalton 0786 1036
 Dansai 0770 0747 0783 1115
 Dantax 0723
 Daytek 0872
 Dayton 0872

DCE 0831
 DEC 0699 0818
 Decca 0770
 Denon 0490 0634 1634
 Denver 0699 0788 0898 0818
 Denzel 0665
 Desay 0800
 Diamond 0651 0768 0751 0723
 Digihome 0713
 digiRED 0717
 Digital i 0893
 Digator 1005
 Digitrex 0672 1100 0795 1056
 DiK 0831
 Dinamic 0788
 DiViDo 0705
 DK digital 0831 0840
 DMTECH 0783 0790
 Dragon 0831
 DTS 0799
 Dual 0665 0651 0713 0730 0783 0779
 0790 0831
 DVX 0768
 E-Boda 0723
 Easy Home 0857
 Eclipse 0723 0751
 Electrohome 0770 0784
 Elin 0770
 Ellion 0850
 Elta 0690 0770 0788 0790 1115 1151
 Eltax 0766 1092 1987 1096
 Emerson 0591 0705
 Encore 0698
 Enzer 0665 0701 0784 0766
 EuroLine 0788 1115 1083
 Ferguson 0651
 Finlux 0741 0770 0676 0783 0591 0672
 0751
 Firstline 0799 0869 0651
 Fisher 1919
 Funai 0695
 GE 0717
 Germatic 1051
 Global
 Solutions 0768
 Global
 Sphere 0768
 Go Video 0783
 GoldStar 0591 0741

Goodmans 0651 1004 0790 0690 0783 0723
0818 0879 0833 2007 0713 0730
1221
Graetz 0665
Grandin 0716
Grundig 0539 0695 0651 0775 0705 0790
0701 0713 0670 0723 1695 1004
1730 1920
Grunkel 0770
H&B 0818 0713 0841 0850
Haaz 0768 0751
Haier 0843 1090
Hanseatic 0741 0783 1153
Harman/
Kardon 0702
Haus 0849 0786
HCM 0788
HDT 0705
HE 0730
Henß 0713
Himage 0825 1160
HiMAX 0857 0843 1106
Hitachi 0664 0665 0573 0779 1920 0857
1994
Hiteker 0672
Höher 0826 0831 1224
Home
Electronics 0730
Home Tech 1224
Hoyo 0743
Hyundai 0783 0850
ICP 1153
Ingelen 0788
InterAct 0697
ISP 0695
Jamo 2003
JBL 0702 1921 1926 1978
JDB 0730
Jeken 0699
Jeutech 0777
Jindian 0799
JMB 0695
JNL 0735
Jocel 0780
JVC 0623 0539 0503 0638 0867 1901
1940 1164
jWIN 1051
Karcher 0783
Kendo 0699 0713
Kennex 0770

Kenwood 0534 0490 0737 0682
KeyPlug 0770
Kiirō 0718 0770 0780 0853
King DHome 0799
Kingavon 0818
Kiss 0841 2003 0665
Koda 0818
Konka 0711
Koss 0651
Kotron 0851
KXD 0857
Labway 0709
Lasonic 0743
Lawson 0705 0716 0768
Lecson 0696 0747
Lenco 0699 0651 0770 0818 0713 0831
Lenoxx 0819 0690 0838 1938
Lenoxx
Sound 1938
Lexia 0699
LG 0591 0741 1906 0869 1983
Lifetec 0651 0831
Limit 0716 0768
LiteOn 1058
Loewe 0539 1922 0741
LogicLab 0768
Logix 0705 0783 1101
Lumatron 0705 0724
Luxman 0573 1091
Luxor 1004
Magnavox 0503 0818 0675 1140
Magnex 0723
Manhattan 0705 0713
Marantz 0539
Mark 0724 0713
Marquant 0770
Mastec 1006
Matsui 0651 0672 0695 0713 0884
Maxdorf 0788
Maxim 0825 0713
MBO 0690 0730
MDS 0699
Mecotek 0770
Mediencom 0773 0746 0853
Medion 0651 2012 0783 0716 0758 0879
0831 0630
MEI 0790
Memorex 0831
Metz 0571 0525 0713
MiCO 0723 0751 1221 1223 1179

Microboss 0718
Micromax 1695 0695
Micromedia 0503 0539
Micromega 0539
Microsoft 0522
Microstar 0831
Minato 0752
Minax 0713
Minerva 0705
Minix 1113
Minoka 0770
Minowa 0712
Mirror 0879 0752
Mitsubishi 0713
Mivoc 1998
Mizuda 0818 0857
Monyka 0665
MP 0843
MPX 0843
Mustek 0730 1917 1730
Mx Onda 0651 0751 0723 1179
NAD 0704 0741 0692
Naiko 0770 1004
Nakamichi 0611
NEC 0869 0692
Neufunk 0665
Nevir 0831 0770
NextBase 0826
Nikkai 1923
Nintaus 0793 1051
Nordmende 0831
Noriko 0752
Nowa 0843
NU-TEC 0516
Okano 0752
Omni 0698 0746 0840 0690 0883 0699
0833 1065 1104
Onix 0838
Onkyo 0627 0503 1612 1924
Optim 0747 0843
Optimus 0571 0525
Orava 0818
Orion 0695 1128 1695 1006
Oritron 0651
OTIC 0826
P&B 0818
Pacific 0768 0790 0759 0713 0831
Palladium 0695 0779
Palsonic 0689 0835 0852 0672

DVD

Panasonic 0490 1490 1908 1907 1909 1910
1905 1925 1010 1986
Panda 0717 0783
peeKTON 1224
Philips 0539 0646 0503 1914 1911 0675
Phonotrend 0699
Pioneer 0571 0525 0631 0638 1900 1902
1965
Plu2 0850
Pointer 0770 0784
Portland 0690
Powerpoint 0853 0872 0780 0718
Prima 0766
Prima
Electronic 0766
Prinz 0831
Prism 1006
Prodisma 0853
Proline 0651 0686 0672 0790 1004 0833
Proscan 0522
Prosonic 0699
Provision 0699 0818
Radionette 0741 0869
Raite 0665
Rank Arena 0780 0718
RCA 0522 0651
REC 0689 0766 0490 0746
Red Star 0759 0748 0763 0770 0788 0898
0805 0806
Reoc 0768 0752 0875
Revoy 0699 0841
Rex 0838
Rimax 1151
Roadstar 0699 0690 0689 0713 0818 0730
Ronin 0872 0710
Rotel 0623
Rowa 0823 0759 1004 1021 0516 0525
0717
Rownsonic 0789
Saba 0651 0551
Sabaki 0768
Saivod 0759 0831
Salora 0741
Sampo 0698 0752
Samsung 0573 0744 0490 1928 1932 1936
0820 1075
Sansui 0695 0716 0768 0784 0723 0770
0751
Sanyo 0670 0695 0790 1919 0873 0896
Scan 0705 0835 0850

DVD

ScanMagic 0730 1730

Schaub

Lorenz 0788 0770

Schneider 0651 0783 0779 0705 0790 0788
1153 1101

Schwaiger 0752

Scientific

Labs 0768

Scott 0718 0780 0651 0672 0881 0853
1036

Seeltech 1224

SEG 0665 0713 0768 0884

Shanghai 0672

Sharp 0630 0752 0695

Sherwood 0717 0741 0633

Shinco 0717

Sigmatek 0857

Silva 0788 0898

Silva

Schneider 0831

Singer 0690 0716 0723 0751 0768

Sinotec 0764

Sky 1980

Skymaster 0730 0768

Skysonic 0766

Skyworth 0766 0898

Slim Art 0770 0784

Slim Devices 0533

SM

Electronic 0730 0768 0690

Smart 0718 0705 0713

SMC 0811

Sogo 0853

Sonashi 0716

Sony 0533 1533 1133 0772 0573 1033
1903 1904 1981 1934 1070 1017
1633

Soundmaster 0768

Soundmax 0768

Soundwave 0783

Spectra 0872

Standard 0651 0768 0788

Star Cluster 0768

Starmedia 0818 0893 0881 1224

Sunkai 0770 0850

Sunwood 0788

Supervision 0730 0768

SVA 0672

Synn 0768

Tandberg 0713

Tatung 0770 0771

Teac 0717 0741 0516 0571 0692 0768
0591 0758 0759 1006 0735 0790
1929 1930 1935 1936 1021 1984

TEC 0898

Technica 1097

Technics 0490 1490 1905 1907 1908 1909
1910 1925

Technika 0770 1097 1115 0831

Technosonic 1051 1115

Techwood 0713

Tedex 0690

Telefunken 0790 1083 0789 0788

Teletex 0713

Tensai 0690 0651 0770

TerraTec 0825

Tevion 0651 1036 0768 1929

Theta Digital 0571

Thomson 0551 0522

Tokai 0665 0898 0698 0788 0784

Tokaido 0698

Tokiwa 0705 0716

Tongtel 0764

Toshiba 0503 0758 1045 1988 2006

Trans

Continents 0826

TRANS-

continents 0872 0826 0831

Tranonic 1021 0672

Tredex 0799 0843

Trio 0770

TruVision 0857

Truvox 1102

Umax 0690 1151

United 0788 0730 0790 1083

Universum 0741 0713 0591 0779 1918 1913

Venturer 0790

Vestel 0713

Vieta 0705

Viewmaster 1084 0862 1224

Voxson 0730 0831 0690 1120

VTrek 0882

Waitec 1917

Walkvision 0717

Welkin 0831

Wellington 0713

Wesder 0699

Wharfedale 0686 0768 0696 0698 0723 0751
0752

Wilson 0831

