

ONE FOR ALL 2

English

Instructions manual P. 2

Deutsch

Français

Español

Português

Italiano

Nederlands



URC-7720

Universal remote

Universal Fernbedienung

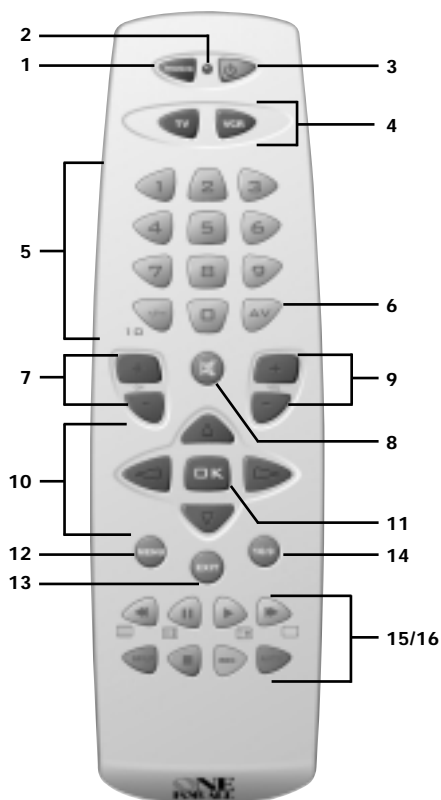
Télécommande universelle

Mando a Distancia Universal

Telecomando Universal

Telecomando Universale

Universele Afstandsbediening



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INSTALLATION

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About Your ONE FOR ALL 2

Congratulations on your purchase of the ONE FOR ALL 2 Universal Remote Control. By choosing the ONE FOR ALL 2 remote you have opted for the User Friendly remote control solution. Made according to the highest quality, the ONE FOR ALL 2 will provide you with long-term satisfaction. Please read these enclosed instructions carefully before putting your ONE FOR ALL 2 to use.

Your ONE FOR ALL 2 Remote Package contains:

- Your ONE FOR ALL 2 Remote
- Your ONE FOR ALL 2 Manual

Your Manual is divided into two parts: the set-up instructions and the device codes.

PLEASE DO NOT DISCARD THIS MANUAL AS YOU MAY NEED IT AGAIN IN THE FUTURE!

Your ONE FOR ALL 2 can operate two devices: a Television and a Video Recorder.

Batteries

Your ONE FOR ALL 2 Remote needs 2 new "AA/LR6" Alkaline 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.

-
- In order to avoid having to re-program your ONE FOR ALL 2 after you remove the batteries, you will need to insert new batteries within 5 minutes. Also it is recommended that you do not use rechargeable batteries.
 - On the inside of the battery compartment door you will find a label on which to write your Set-Up Codes for future reference. This you will do after setting up your ONE FOR ALL 2 remote for your devices.
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The Keypad

Please refer to the picture of the ONE FOR ALL 2 Remote Control on Page 3.

- 1 **Magic Key:**
The Magic key is used to set-up your ONE FOR ALL 2 Remote Control and to access special functions.
- 2 **LED:**
During the use of your ONE FOR ALL 2, the LED will light up red.
- 3 **Power Key:**
The Power key controls the same function as it did on your original remote.
- 4 **Device Keys:**
The TV & VCR keys select the home entertainment device you wish to control. For example, pressing the TV key allows the remote to control the functions of your television, etc.
- 5 **Number Keys:**
The Number keys (0-9, -/--(10)) provide the functions just like your original remote, such as the direct access to program/channel selection. If your original remote uses a 10 key, this function can be found by pressing the -/-- key.
- 6 **AV**
The AV key operates the same function it did on your original remote control.
- 7 **Channel Up / Down Control:**
These keys control the same functions as your original remote control.
- 8 **Mute Key:**
The Mute key operates the same function it did on your original remote.
- 9 **Volume Up / Down Control:**
These keys operate just as those on your original remote.
- 10 **Directional Keys**
If available on your original remote, these keys will allow you to navigate through the menu of your device.

The Keypad

11 OK key

If your original remote control required that you press an "OK" or "ENTER" key during Menu operation, this key can be used for this function.

12 Menu Key:

Controls the same function as it did on your original remote control.

13 Exit Key:

The Exit key will exit the Menu.

14 16:9 key

In TV mode this key allows you to access the wide screen (16:9) view option of your television (if available on your original remote). In VCR mode it obtains the TV/VCR function.

15 VCR keys (PLAY, STOP, REW etc.)

After pressing the VCR mode key, the Playback keys operate the same functions of your Video Recorder Keys. To prevent accidental recording, the RECORD key must be pressed **twice**.

In VCR mode the SP/LP key controls the tape speed function, the AUTO key controls the auto tracking function, just like on your original remote.

16 Teletext Functions:

After pressing the TV key, the transport keys (REW, PLAY, FF, PAUSE) are used to operate the main Teletext functions. The symbols below the keys are for Teletext. The text keys are used to access the Teletext functions of your television. Of course, your television must have Teletext capability.



TEXT ON: Puts your television in the teletext mode.



HOLD/STOP: Stops the television changing text pages.



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 the regular teletext viewing, press the Expand key again, or press the Text key, depending on your television.



TEXT OFF: Switches the television back to regular viewing mode. On some televisions, this may be done by pressing the TEXT key several times.

After pressing the TV key and accessing the text mode, the bottom row of the Video Recorder keys marked **red**, **green**, **yellow** and **blue**, allow you to access the Fasttext functions of your television. **If on your original remote control these keys are used for Menu navigation, the ONE FOR ALL Fasttext keys may operate in the same way.**






- For a more detailed explanation of the Teletext and Fasttext functions, please refer to the manual of your television. Remember, different televisions control Teletext and Fasttext in different ways. Not all Teletext functions may be available for your particular model.

Setting up the ONE FOR ALL 2

(How to set-up the ONE FOR ALL 2 to control your devices)

Direct code set-up

Example: To set up the ONE FOR ALL 2 for your television:

1. **Make sure your device (television) you wish to operate is switched on** (not in standby).
2.  **Find the code for your device in the Code List (page 12 - 19).** The device codes are listed per device type and brand name. Also the most popular code for each brand is listed first. **If your brand is not listed at all, try the Search Method on page 7.**
3.  **Press the device mode key (TV)** on the ONE FOR ALL 2 remote for the device you wish to set up.
4.  **Press and hold down MAGIC** until the red light blinks twice (the red light will blink once then twice).
5.  **Enter your four-digit device code** using the number keys. The red light will blink twice.
6.  **Now aim the ONE FOR ALL 2 remote at your device (television) and press POWER.** If your device switched off, the ONE FOR ALL 2 is ready to operate your device.

- Most TV's do not switch back on pressing the POWER key, please try pressing a "number" key or the "TV-text off" key to switch your TV back on.
- If your device does not respond, follow steps 1 through 6 with each code listed for your brand. If none of the codes listed for your brand operate your device, then try the Search Method described on page 7, even if your brand is not listed at all.
- 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.
- If the original remote control from your Video Recorder did not have a POWER key, press PLAY instead of POWER during step 6.
- To set up your other devices, follow the same instructions above, only press the appropriate device key during step 3.
- Remember to press the correct device key before operating your device. Only one device can be assigned to a device key.
- **Write your device code in the applicable four digit boxes provided in the battery compartment and on page 8 for future reference.**

Devices can be found under the following keys:



To set up for a second TV or VCR (See mode re-assignment, Page 9).






Setting up the ONE FOR ALL 2

Search method


- > If your device does not respond to the ONE FOR ALL 2 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 ONE FOR ALL 2.

Example: To search for your television code:

1. Switch your television on (not in standby).
2.  Press the **TV** key on the ONE FOR ALL 2.
3.  Press and hold down **MAGIC** until the ONE FOR ALL 2 red light blinks twice (the red light will blink once then twice).
4.  Press **9 9 1**. The red light will blink twice.
5.  Next, press **POWER**.
6. 
CH Aim the ONE FOR ALL 2 at your Television. Now press **CH+** over and over, until your Television turns off (every time you press the CH+ key the ONE FOR ALL 2 will send out a POWER signal from the next code contained in the memory). **You may have to press this key many times (up to 150 times) so please be patient.**

If you skip past a code, you can go to the previous code(s) by pressing the CH- key. Remember to keep pointing the ONE FOR ALL 2 at your Television while pressing this key.

7.  As soon as your television turns off, press **MAGIC** to store the code.








- Most TV's do not switch on pressing the POWER key. Please try pressing a "number" key or the "TV-text off" key to switch your TV back on.
- If you cannot control your Television properly, please continue the Search Method, you may be using the wrong Code.
- To search for the code for another device follow the instructions above only press the appropriate device key instead of TV during step 2.
- If the original remote control of your Video recorder 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)

Once you have Set-Up your ONE FOR ALL 2, you can blink back your Set-up Code for future reference.

Example: to blink out your television code:

-  Press the **TV** key once.
-  Press and hold down **MAGIC** until the ONE FOR ALL 2 red light blinks twice (the red light will blink once then twice).
-  Press **9 9 0**. The red light will blink twice.
-  For the first digit of your four-digit code, press **1** and count all the red blinks. If there are no blinks, the digit is „0“.
-  For the second digit of your four-digit code, press **2** and count all the red blinks. If there are no blinks, the digit is „0“.
-  For the third digit of your four-digit code, press **3** and count all the red blinks. If there are no blinks, the digit is „0“.
-  For the fourth digit of your four-digit code, press **4** and count all the red blinks. If there are no blinks, the digit is „0“. **Now you have your four-digit code.**

- To blink back the code for your other devices, press the appropriate device key during step 1.

Quick Code Reference

Make sure you write down the codes for your devices in the boxes below and in the battery compartment for future easy reference.

Device Type

1

.....

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

2

.....

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Extra Features

Mode re-assignment

(Changing a device mode)

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 ONE FOR ALL 2. The code can be set up using "Direct code set up" (p. 6) or "Search method" (p. 7). To change a device key, see the three examples below.

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

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

Example 1:

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



The VCR key has now become a second TV key.

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



Example 2:

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



The TV key has now become a second VCR key.

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



Resetting a Device key

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



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



(*) Press and hold down the MAGIC key until the red light (LED) blinks twice.

(**) The red light (LED) will blink once then twice.

Extra Features

Colour and Brightness

Depending on the functions of your original remote control, the ONE FOR ALL 2 may operate the colour and brightness settings of your television.

Colour (+) = Press and release **MAGIC** then hold **Volume (+)**
Colour (-) = Press and release **MAGIC** then hold **Volume (-)**

Brightness (+) = Press and release **MAGIC** then hold **Channel (+)**
Brightness (-) = Press and release **MAGIC** then hold **Channel (-)**




Volume Punch Through

You may be able to use some functions of your Television, Video recorder at the same time. For example: if you are watching a program on your video recorder, you can adjust the volume (a TV function) without pressing the TV mode key on your ONE FOR ALL 2. The table below lists some of the possibilities.

Last Device Mode Key Pressed:
VCR





You Can Control:
TV volume up and down, mute

To punch through to TV volume while in the VCR mode:

-  Press and hold **MAGIC** until the red light blinks twice.
-  Press **9 9 3**.
-  Then press the **TV** key and the red light will blink twice.




To cancel the "Volume Punch Through" per mode:

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

-  Press **VCR** once.
-  Press and hold down the **MAGIC** key until the red light blinks twice.
-  Press **9 9 3**.
-  Then press the **Volume (-)** key and the red light will blink four times.

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

To cancel the „Volume Punch Through“:

-  Press and hold **MAGIC** until the red light blinks twice.
-  Press **9 9 3**.
-  Press the **Volume (+)** key and the red light will blink four times.

Trouble Shooting

Problem & Solution

Problem:	Solution:
Your brand is not listed in the code section?	Try the search method on page 7.
The ONE FOR ALL 2 does not operate your device(s)?	A) Try all the codes listed for your brand. B) Try the search method on page 7.
The ONE FOR ALL 2 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 not recording?	As a safety feature on your ONE FOR ALL 2, you must press the Record key twice.
The ONE FOR ALL 2 does not respond after pressing a key?	Make sure you are using new batteries and are aiming the ONE FOR ALL 2 at your device.
The red light (LED) does not blink when you press a key?	Replace batteries with 2 fresh, new "AA/LR6" alkaline batteries.

Televisions

Fernseher

Téléviseurs

Televisores

Televisões

Televisori

Televisies

A.R. Systems	0037	0556							
Accent	0037	0556							
Accuphase	0556	1909							
Acec	0012								
Adcom	0625								
Admiral	0093	0418	0087	0163	0264				
Adyson	0217	0216							
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					
Alwa	0701								
Akai	0361	0208	0371	0037	0433	0191	0035		
	0009	0072	0218	0714	0163	0516	0715		
	0602	0556	0548	0581	0480	0217	0631		
	0216	0264	0178	0377	0606	1037			
Akiba	0218	0282	0455	0037	0556	0294			
Akito	0037	0556							
Akura	0037	0556	0668	0412	0493	0009	0218		
	0282	0264							
Alaron	0216								
Alba	0009	0418	0370	0235	0371	0668	0037		
	0556	1037	0355	0218	0216	0247	0163		
	0487	0581	0036	0579					
Alkos	0035								
Allorgan	0206	0294	0217						
Allstar	0037	0556							
Ambassador	0177								
Amplivision	0217	0370	0320						
Amstrad	0177	0009	0516	0264	0371	0218	0037		
	0556	0433	0412	1037	0648	0581			
Anam	0037	0556	0009						
Anam									
National	0037	0556	0650						
Anglo	0009	0264							
Anitech	0009	0264	0037	0556	0282	0102			
Ansonic	0370	0037	0556	0009	0668	0374	0163		
	0292	0102	0411	0259	0247	0012	0104		
Apollo	0473								
Arc en Ciel	0109								
Arcam	0216	0217							
Ardem	0486	0714	0037	0556					
Aristona	0556	0037	0012						
Arthur Martin	0163								
ASA	0105	0346	0104	0087					
Asberg	0037	0556	0102						
Asora	0009								
Astra	0037	0556							
Asuka	0218	0217	0216	0264	0282				
Atlantic	0037	0556	0216	0206	0320	0259			
Atori	0009								
Auchan	0163								
Audiosonic	0009	0037	0374	0556	0109	0714	0715		
	0217	0370	0337	0264	0218	0486			
Audioton	0217	0486	0370	0264					
Autovox	0087	0206	0349	0217	0247				
AWA	0011	0036	0009	0157	0374	0412	0037		
	0556	0216	0606	0217	0108	0264			
Axxent	0009								
Axxon	0714								
Baird	0109	0193	0343	0190	0072	0073	0217		
	0208								

Bang & Olufsen	0565	0087							
Barco	0380	0163							
Basic Line	0374	0037	0163	0668	0556	0009	0218		
	0282	0217	0455						
Bastide	0217								
Baur	0195	0512	0037	0556	0191	0361	0349		
	1505								
Bazin	0217								
Beaumont	0178								
Beko	0486	0035	0714	0370	0037	0556	0606		
	0715								
Beon	0037	0556	0418						
Berthen	0668								
Best	0337	0370							
Bestar	0037	0556	0370	0374					
Bestar-									
Daewoo	0374								
Binatone	0217								
Black									
Diamond	1037	0556							
Black Panther	0102								
Black Star	0247								
Blacktron	0282								
Blackway	0282	0218							
Blaupunkt	0191	0195	0455	0170					
Blue Sky	0037	0714	1037	0487	0668	0715	1909		
	0556	0218	0282	0455					
Blue Star	0282								
Bondstec	0247								
Boots	0217	0009							
Bosch	0320								
BPL	0037	0556	0282						
Brandt	0625	0109	0287	0335	0471	0343			
Brandt									
Electronique	0287	0335							
Brinkmann	0037	0556	0668	0519	0418	0486			
Brionvega	0037	0556	0087						
Britannia	0216	0217							
Brother	0264								
Bruns	0087								
BSR	0163	0294	0361						
BTC	0218								
Bush	0668	0218	0163	0349	0009	0036	0037		
	0371	0235	0282	0355	0374	0519	0264		
	0361	1037	0487	0208	0217	0698	0581		
	0294	0556	0714						
Canton	0218								
Capsonic	0264								
Carad	0610	0037	0556	0668					
Carena	0455	0037	0556						
Carrefour	0036	0037	0556						
Carver	0170								
Cascade	0009	0037	0556						
Casio	0037	0556	0163	0349					
Cathay	0037	0556							
CCE	0037	0556	0217						
Centrum	1037								
Centurion	0037	0556							
Century	0087	0247	0238						
CGE	0418	0247	0370	0163					
Cimline	0009	0235	0218						
City	0009								
Clarivox	0418	0037	0556	0102					
Clatronic	0037	0370	0371	0714	0218	0264	0556		
	0217	0247	0009	0102	0320	0579	0648		
Clayton	1037								
CMS	0216								
CMS hightec	0217								
Concorde	0009								
Condor	0320	0037	0556	0370	0216	0009	0282		
	0102	0247	0418	0411	0163	0264			
Conrad	0037	0556							
Contec	0216	0009	0157	0011	0036	0264	0037		
	0556								
Continental									
Edison	0109	0287	0487						
Cosmel	0009	0337	0037	0556					
Crosley	0087	0247	0163						
Crown	0009	0370	0486	0037	0556	0487	0714		
	0606	0715	0418	0579	0208	0339			
CS Electronics	0216	0218	0247						

CTC	0247
Curtis Mathes	0093 0166
Cybertron	0218
D-Vision	0037 0556
Daewoo	0634 0374 1909 0499 0037 0556 0009
	0216 0218 0217 1137
Dainichi	0218 0216
Dansai	0037 0556 0264 0035 0216 0009 0036
	0217
Dansette	0412
Dantax	0370 0486 0714 0606 0715
Datsura	0208
Dawa	0037 0556
Daytron	0009 0374 0037 0556
de Graaf	0208 0044 0163 0548
Decca	0072 0516 0037 0556 0217 1137
Deitron	0037 0556 0374 0218
Denko	0264
Denver	0037 0556 0606
DER	0193 0190
Desmet	0320 0037 0556 0009 0087
Diamant	0037 0556
Diamond	0264 0698 0696
Digatron	0037 0556
Digiline	0037 0556
Digitron	0037 0556
Digivision	0361
DIK	0037 0556
Dixi	0009 0037 0556 0247 0217 0087
Domeos	0668
Doric	0349
DTS	0009
Dual	0349 0217 0343 0519 0037 0556 0259
	0163
Dumont	0087 0104 0102 0217 0072
Dunai	0163
Dux	0037 0556 0012
Dynatron	0037 0556 0012
E-Elite	0218
Edison-	
Minerva	0487
Elbe	0435 0238 0259 0292 0370 0163 0037
	0556 0218 0191 0411 0610 0217 0516
	0361
Elbe-Sharp	0516
Elicit	0087 0247 0516 0102 0163
Elekta	0009 0037 0556 0264 0282
ELG	0037 0556
Elin	0216 0037 0556 0105 0104 0548 0361
	0349 0163 0009
Elite	0218 0037 0556 0320
Elman	0102
Elta	0009 0264 0216
Emco	0247
Emerson	0177 0178 0087 0247 0037 0556 0371
	0282 0320 0361 1909 0486 0370 0163
	0321
Emperor	0282
Enzer	0696
Erres	0037 0556 0012
ESC	0037 0556 0217
Estèle	0163
Etron	0037 0556 0009 0163
Eurofeel	0264 0217
Euroman	0216 0264 0037 0556 0217 0370
Europa	0037 0556
Europhon	0037 0516 0102 0163 0217 0556 0247
	0216
Excel	0037 0556
Expert	0206 0259 0163
Exquisit	0037 0556 0247
Fagor	0037 0556
Family Life	0037 0556
Fenner	0374 0009
Ferguson	0073 0625 0287 0190 0335 0238 0193
	0109 0560 0037 0556 0035 0343 0104
	0108 0361 0471
Fidelity	0163 0512 0037 0556 0371 0412 0193
	0216 0264
Filsai	0217
Finlandia	0208 0346 0548 0361 0163 0072 0287
	0343 0045

Finlux	0105 0104 0037 0556 0714 0346 0217
	0072 0163 0516 0715 0087 0102 0411
	0631 0492 0480 0473 0418 0606
Firstline	0037 0556 0374 0668 0714 0163 0009
	0294 0321 0216 0247 1909 0102 0217
	0411 0349 0238 0072 0235 0208 0361
Fisher	0104 0217 0036 0208 0370 0045 0087
	0157 0361 0163 0349 0072
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
Friac	0009 0037 0556 0102 0370 0499 0655
Frontech	0247 0264 0349 0217 0009 0163
Fujitsu	0206 0072 0102 0217 0163 0009 0037
	0556 0361 0259
Fujitsu	
General	0009 0217 0206 0163
Funai	0668 0264 0294 0412
Future	0037 0556
Galaxi	0102 0037 0556 0361 0163
Galaxis	0370 0418 0037 0102 0556
Galeria	0009
GBC	0163 0009 0374 0218
GE	0343 0178 0282 0560 0287 0109 0335
Geant Casino	0163
GEC	0163 0361 0349 0037 0516 0556 0072
	0217
Geloso	0247 0009 0163 0374
General	0109 0287 0471
General	
Electric	0343 0287
General	
Technic	0009
Genesis	0009
Genexxa	0218 0037 0556 0412 0493 0163 0009
Giant	0217
Goldfunk	0668
Goldhand	0216
Goldline	0337
GoldStar	0037 0009 0370 0377 0217 0178 0247
	0216 0556 0163 0361 0109 0606 0044
Gooding	0487
Goodmans	0634 0374 0037 0499 0556 1037 0668
	1909 0036 0264 0072 0516 0009 0487
	0371 0343 0235 0035 0480 0560 0217
	0335 0218
Gorenje	0370
GPM	0218
Gradiente	0170 0037 0556
Graetz	0361 0371 0163 0037 0339 0556
Gran Prix	0648
Granada	0037 0556 0226 0356 0012 0045 0072
	0108 0208 0217 0036 0339 0516 0473
	0335 0560 0163 0225 0343 0548
Grandin	0037 0556 0009 0163 0610 0714 0715
	0668 0374 0320 0282 0218 0455 0579
Gronic	0102 0217 0163
Grundig	0195 0191 0487 0037 0556 0587 0009
	0036 0443 0370
Haier	0698 0264
Halifax	0264 0216 0217
Hampton	0216 0217
Hanimex	0294 0218
Hanseatic	0037 0556 0499 0519 0349 0163 0361
	0292 0282 0320 0634 0370 0009 0294
	0217 0087 0377
Hantarex	0009 0037 0556 0102 0516
Hantor	0037 0556
Harwood	0009 0412 0037 0556
Hauppauge	0037 0556
HCM	0009 0412 0037 0556 0217 0218 0418
	0282 0264
Hedzon	0556 0037
Hema	0217 0009
Hemmermann	0349
Hifivox	0109
Higashi	0216

Highline	0264 0037 0556	Kolster	0037 0556 0102 0349
Hikona	0218	Konka	0037 0556 0371 0714 0418 0218
Hinari	0208 0037 0556 0009 0218 0036 0163	Kontakt	0487
	0355 0443 0487 0235 0294 0264	Korpel	0037 0556
Hisawa	0282 0218 0455 0610	Korting	0087 0370 0320
Hit	0087	Kosmos	0037 0556
Hitachi	0225 1225 0349 0036 0356 0044 0108	Kotron	0412 0264
	0473 0163 0343 0578 0217 0194 0516	Koyoda	0009
	0072 0481 0499 0037 0556 0109 0548	Kraking	0238
	0719 0634 0178 1137 0105 0492 0361	Kriesler	0012
	0512 0480	KTV	0217
Hitachi Fujian	0108 0225	Kuba	0349 0163
Hitsu	0009 0455 0218 0610	Kuba	
HMV	0087	Electronic	0349 0163
Hornophone	0037 0556 0012	Kyoshu	0412 0418 0264
Hoshai	0218 0455	Kyoto	0163 0216 0217
Huanyu	0374 0216	LaSAT	0486 0370
Hygashi	0217 0216	Leader	0009
Hyper	0009 0216 0217 0247	Lecson	0037 0556
Hypersonic	0361	Lemair	0411
Hypson	0037 0556 0714 0715 0264 0217 0282	Lenco	0037 0009 0163 0374 0556 0104
	0455 0238	Lenoir	0009
Hyundai	0037 0556	Lesa	0247
Iberia	0037 0556	Levis Austria	0037 0556
ICE	0264 0037 0371 0009 0556 0218 0217	Leyco	0264 0072 0037 0556 0294 0579
	0216	LG	0037 0370 0009 0377 0217 0556 0714
Ices	0218 0216		0247 0216 0163 0178 0361 0606 0109
Icos	0012	Liesenk & Tter	0037 0556
Ict	0037 1137 0556	Liesenkotter	0037 0012 0556
Imperial	0037 0163 0370 0556 0411 0361 0349	Lifetec	0037 0009 0519 0374 0668 0512 0655
	0418 0247		1037 1137 0556 0218 0264
Indiana	0037 0556	Lloyd's	0009
Ingelen	0487 0610 0714 0163 0361	Loewe	0512 0037 0556 0655 0370 0633 0087
Ingersoll	0009		0292
Inno Hit	0009 0072 0037 0556 0218 0217 0516	Logik	0011 0698 0037 0193 0556 0371
	0247 0102 0282	Logix	0668
Innovation	0519 0037 0556	Luma	0037 0206 0163 0411 0556 0374 0009
Interactive	0037 0556 0012 0087 0512 0163 0361		0259
	0370 0109	Lumatron	0206 0037 0556 0163 0259 0361 0217
Interbuy	0009 0037 0264 0247 0512 0556		0264 0073
Interfunk	0037 0556 0012 0087 0512 0163 0361	Lux May	0037 0009 0556 0581
	0370 0109 0349 0247	Luxman	0579
Internal	0037 0556 0499 0374 1909	Luxor	0194 0480 0492 0349 0361 0208 0356
International	0216		0548 0163 0346 0473 0217 0631
Intervision	0282 0217 0455 0037 0371 0377 0519	LXI	0178
	0486 0370 0487 0218 0102 0163 0264	Madison	0037 0556
	0247 0009 0556	Magnadyne	0087 0247 0516 0102 0163
Irradio	0009 0037 0556 0218 0247 0371	Magnafon	0516 0102 0216 0073
Isukai	0218 0037 0556 0282 0455	Magnavox	0037 0556 0036
ITC	0217 0320	Magnum	0648 0714 0037 0556 0715
ITS	0037 0371 0218 0282 0264 0216 0009	Magnum	0264
	0556	Mandor	0037 0556 0235 0217 0264 0320 0035
ITT	0163 0480 0349 0361 0473 0548 0193		0294 0163
	0346 0339 0208 0610	Manhattan	0037 0556 0668 1037 0163
ITT Nokia	0361 0548 0163 0473 0480 0349 0346	Marantz	0037 0556 0412
	0208 0339 0606 0610 0631	Marelli	0087
ITV	0264 0037 0556 0247 0374	Mark	0037 0556 0217 0216 0374 0009 0714
Jean	0036		0715
JEC	0035	Masuda	0218 0371 0009 0264 0037 0217 0556
JMB	0037 0499 0634 0374 0556 0443	Matsui	0037 0556 0487 0009 0235 0177 0011
Jocel	0712		0355 0072 0036 0217 0294 0371 0433
Jubilee	0556		0443 0579 0455 0163 0349 0516 0035
JVC	0653 0190 0036 0193 0371 0218 0606		0208 0045 0195 0191 0335
	0418	Matsushita	0650
Kaisui	0218 0282 0037 0556 0216 0455 0217	Matsuviama	0587
	0009	Mediator	0037 0556 0012
Kamp	0216	Medion	0037 0668 0519 0512 0556 1137 0698
Kapsch	0163 0361 0206 0259 0104	Megas	0610
Karcher	0037 0556 0370 0610 0163 0282 0102	Megatron	0178
	0264	Melectronic	0346 0037 0512 0109 0343 0247 0105
Kathrein	0556 0037		0104 0374 0009 0217 0480 0492 0216
Kawa	0371		0411 0349 0163 0287 0556 0634 0361
Kawasho	0216		0191 0195
KB Aristocrat	0163	Memorex	0009 0178
Kendo	0610 0037 0556 0163 0519 0512 0370	Memphis	0337 0072 0009
	0377 0411 0102 0235 0247	Mercury	0037 0009 0556
Kennedy	0163 0206 0435	Metz	0195 0447 0191 0367 0037 0087 0556
Kenwood	0105		0587 0668 1037
Kingsley	0216	MGA	0178 0037 0556 0218 0104
Kiton	0556 0037	Micromaxx	0037 0556 0668 1037
Kneissel	0037 0370 0610 0411 0374 0499 0556	Minato	0037 0556
	0435 0259 0292 0238	Minerva	0487 0195 0191 0516 0108

Rowa	0264	0698	0217	0712					
Royal Lux	0370	0412	0335						
Rukopir	0556	0037							
Saba	0625	0287	0087	0163	0109	0516	0343		
	0361	0498	0335	0548	0471	0560			
Saccs	0238								
Sagem	0610	0455	0282						
Saisho	0235	0516	0177	0009	0011	0217	0163		
	0264								
Saivod	0037	0556							
Sakai	0163								
Salora	0194	0349	0163	0356	0361	0516	0548		
	0339	0208							
Salsa	0335								
Sambers	0516	0102							
Samsung	0618	0587	0037	0178	0556	0009	0217		
	0370	0264	0216	0644	0072	0208	0519		
	0163								
Sandra	0216	0217							
Sanela	0238								
Sansui	0037	0556	0371	0655	0602	0455			
Santon	0009								
Sanyo	0208	0157	0292	0036	0011	0370	0339		
	0072	0216	0217	0104	0045	0009	0163		
	0037	0108	0556	0486					
Save	0037	0556							
SBR	0037	0556	0012	0193					
Schaub Lorenz	0349	0548	0714	0606	0361	0486	0374		
Schneider	1137	0037	0556	0519	0012	0349	0259		
	0343	0217	0247	0371	0361	0218	0668		
	1037	0163	0648	0714	1909				
Scotland	0163								
Scott	0178								
Sears	0178								
SEG	0037	0556	1037	0668	0217	0487	0009		
	0349	0163	0264	0634	0036	0102	0247		
	0216	0218	1909						
SEI	0087	0102	1505	0163	0516	0349	0294		
	0206	0037	0556	0177					
Sei-Sinudyne	0102	0206	0294	0516	1505	0037	0556		
	0087								
Seleco	0206	0259	0163	0411	0371	0036	0264		
	0346								
Sencora	0009								
Sentra	0035	0218	0009	0349					
Serino	0610	0455	0216	0093					
Sharp	0093	1193	0157	0036	0294	0653	0193		
	0516								
Shintoshi	0037	0556							
Shivaki	0037	0556	0443	0374					
Shorai	0294								
Siarem	0163	0087	0102	0516					
Siemens	0191	0195	0157	0037	0556	0361			
Siera	0037	0556	0012						
Siesta	0370								
Silva	0037	0556	0216	0361	0648				
Silver	0036	0037	0455	0361	0556	0715	0163		
Singer	0009	0087	0037	0556	0102	0247	0435		
	0335	0163							
Sinudyne	0177	0087	0235	0102	0294	0163	0361		
	0516	0349	1505	0206	0037	0556			
Skantic	0356								
Sky	0037	0556							
Skymaster	0105								
Skysonic	0696								
SLX	0668								
Smaragd	0487								
Sogera	0320								
Solavox	0361	0072	0163	0548	0037	0556			
Sonawa	0218								
Soniko	0037	0556							
Sonitron	0208	0370	0339	0217					
Sonneclair	0037	0556							
Sonoko	0037	0556	0009	0264	0282	0217			
Sonolor	0208	0163	1505	0548	0361	0282			
Sontec	0037	0556	0370	0294	0009				
Sony	1505	1651	0011	0036	0102	0037	0556		
Sound & Vision	0102	0218	0374	0037	0556				
Soundesign	0178								
Soundwave	0037	0556	0320	0418					
Spectra	0009								
Ssanyong	0009								
Staksonic	0009								
Standard	0037	0556	1037	0218	0009	0217	0320		
	0374								
Starlite	0009	0163	0037	0556	0264	0412			
Stenway	0282	0218							
Stern	0206	0259	0163	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						
Sunstar	0371	0037	0556	0009	0579	0264			
Sunwood	0037	0556	0009						
Superla	0516	0216	0217						
SuperTech	0009	0037	0556	0216	0218				
Supra	0374	0009							
Susumu	0335	0218	0287						
Sutron	0009								
Swissline	0247								
Sydney	0216	0217							
Sysline	0037	0556							
Sytong	0216								
T+A	0447								
Tandberg	0367	0411	0109	0337	0361	0163			
Tandy	0218	0072	0217	0247	0093	0163			
Tashiko	0036	0217	0170	0216	0163				
Tatung	0037	0556	0072	0516	0217	0011			
TCM	0714								
Teac	0698	0512	0037	1037	0556	0712	0668		
	0455	0217	0264	1909	0178	0009	0412		
	0349	0282	0418						
TEC	0217	0009	0247	0471	0335	0337	0259		
	0037	0556	0361	0163					
Tech Line	0037	0556	0668						
Technica	0218								
Technema	0320								
TechniSat	0655	0037	0556	0163					
Tecnimagen	0556								
Tedex	0217	0606	0009	0208	0587	0037	0556		
Teiron	0009								
Televia	0109	0287	0343						
Telecor	0037	0163	0556	0218	0217	0259			
Telefunken	0109	0498	0471	0287	0335	0073	0343		
	0037	0556	0486	0625					
Telefuzion	0037	0556							
Telegazi	0037	0163	0556	0259	0218	0264			
Telemeister	0320	0037	0556						
Telesonic	0037	0556							
Telestarr	0037	0556	0579	0412					
Teletech	0037	0556	0668	0009	0247	0337			
Teleton	0217	0206	0163	0349	0259	0036			
Televideon	0320	0163	0216						
Television	0037	0556							
Telexa	0102								
Temco	0294								
Tempest	0009	0037	0556						
Tennessee	0037	0556							
Tensai	0104	0218	0037	0556	0217	0294	0320		
	0009	0105	0374	0371	0377	0247	0715		
	0163								
Tenson	0320	0009							
Tevion	0519	0037	0556	0648	0668	1137			
Texet	0217	0374	0009	0216	0218				
Thomson	0625	0560	0287	0109	0471	0335	0343		
	0037	0556	0349						
Thorn	0193	0073	0190	0238	0499	0037	0104		
	0556	0335	0512	0374	0035	0108	0109		
	0225	0343	0361	1505	0072				
Thorn- Ferguson	0104	0108	0109	0190	0238	0193	0361		
	0335	0499	0073	0035					
TMK	0178	0177							
Tokai	0072	0037	0556	0337	0163	0668	0217		
	0374	0009							
Tokyo	0216	0035							
Tomashi	0282	0218							
Toshiba	0035	0508	0036	0102	1508	0217	0109		
	0718	0195	0191	0618					
Towada	0349	0102	0217						
Toyoda	0009	0371							
Trakton	0264								

Trans									
Continens	0668	0217	0037	0556					
Transonic	0037	0556	0455	0587	0512	0264	0698		
	0712								
Transtec	0216								
Triad	0037	0556							
Trical	0157								
Trident	0516	0217							
Tristar	0264	0218	0193						
Triumph	0177	0516	0346	0556	0037				
Tsoschi	0282								
TVTEXT 95	0556								
Uher	0037	0556	0206	0320	0374	0418	0486		
	0370	0259							
Ultravox	0087	0102	0374	0247	0216	0163	0037		
	0556								
Unic Line	0037	0556	0473	0455	0349				
United	0037	0556	0714	0715					
Universum	0346	0105	0195	0473	0361	0247	0492		
	0480	0370	0418	0011	0512	0294	0036		
	0157	0163	0264	0104	0037	0556	0411		
	1505	0668	0349	0217	0109	0337	0177		
	0631	0009							
Univox	0037	0556	0337	0087	0163	0238			
Utax	0163								
Vestel	0037	0163	0217	0556	0668	1037			
Vexa	0009	0037	0556						
Videologic	0218								
Videologique	0216	0218	0217						
Videosat	0247								
VideoSystem	0037	0556							
Videotechnic	0216	0320	0217	0374					
Videoton	0356	0163							
Vidikron	0102								
Vidtech	0036	0178							
Viper	0337								
Visiola	0216								
Vision	0037	0556	0320	0217					
Vistar	0206	0361							
Vortec	0037	0556							
Voxson	0087	0037	0556	0418	0163				
Waltham	0217	0668	0356	0418	0287	0037	0556		
	0109								
Watson	0037	0320	0556	0163	0218	0579	0519		
	0009	0668	1037						
Watt Radio	0102	0349	0163	0216					
Wega	0037	0556	0036	0087					
Wegavox	0009	0037	0556						
Weltblick	0037	0556	0320	0217					
Weston	0037	0556							
Wharfedale	0037	0519	0556						
White Westing-									
house	0320	0216	0037	0556	0337	1909			
Windsor	0668								
Windstar	0282	0337							
Windy Sam	0556								
Wintel	0714								
Xrypton	0037	0556							
Yamishi	0282	0455	0218	0037	0217	0556			
Yokan	0037	0556							
Yoko	0217	0037	0556	0218	0264	0009	0370		
	0339	0216	0247						
Yorx	0218								
Zanussi	0206	0217							
Zenith	1909								
Zenor	0339								

Video Recorders

Videorecorder

Magnétoscopes

Vídeos

Vídeo Gravadores

Videoregistratori

Videorecorders

Accuphase	0637								
Adyson	0072								
Aiwa	0307	0000	0348	0352	0037	0041			
Akai	0106	0315	0041	0352	0240				
Akashi	0072								
Akiba	0072								
Akura	0072	0041							
Alba	0278	0072	0352	0000	0315	0348	0081		
Allorgan	0240								
Allstar	0081								
Amstrad	0000	0278	0072						
Anitech	0072								
Ansonic	0000								
Aristona	0081								
ASA	0037	0081							
Asuka	0072	0037	0081	0000	0038				
Audiosonic	0278								
AVP	0352	0000							
AWA	0037	0278	0642	0043					
Baird	0106	0278	0104	0041	0000				
Bang &									
Olufsen	0499								
Basic Line	0278	0072							
Bestar	0278								
Black Diamond	0642	0278							
Black Panther	0278								
Blaupunkt	1562	0226	0081						
Blue Sky	0037	0348	0072	0352	0278	0000			
Bondstec	0072								
Brandt	0041	0320	0321						
Brandt									
Electronique	0041								
Brinkmann	0348								
Bush	0072	0278	0315	0352	0000	0348	0081		
Carena	0081								
Carrefour	0045								
Casio	0000								
Cathay	0278								
CGE	0041	0000							
Cimline	0072								
Clatronic	0072	0000							
Combitech	0352								
Condor	0278								
Crown	0278	0072							
Cyrus	0081								
Daewoo	0278	0642	0637	0348	0352	0045			
Dansai	0072	0278							
Daytron	0278								
de Graaf	0042	0081	0104	0048					
Decca	0000	0041	0081	0067	0348				
Deitron	0278								
Denko	0072								
Diamant	0037								
Dual	0041	0081	0278	0000					
Dumont	0000	0081	0104						
Elbe	0278	0038							
Elcotech	0072								
Elin	0240								
Elsay	0072								
Elta	0072	0278							
Emerson	0072	0045	0000						
ESC	0278	0240							
Etzuko	0072								
Ferguson	0041	0320	0321	0000	0278				
Fidelity	0000	0072	0240						

Finlandia 0104 0081 0042 0000 0048 0384
 Finlux 0000 0081 0104 0042
 Firstline 0072 0348 0043 0037 0045 0042 0278
 Fisher 0047 0104 0038
 Frontech 0072
 Fujitsu 0000
 Funai 0000
 Galaxi 0000
 Galaxis 0278
 GE 0320
 GEC 0081
 General
 Technic 0348
 Genexxa 0104
 Goldhand 0072
 GoldStar 0037 0000
 Goodmans 0000 0072 0240 0278 0037 0081 0348
 0637 0352 0642
 Graetz 0041 0104 0240
 Granada 0104 0048 0081 0240 0037 0226 0042
 0000
 Grandin 0072 0037 0000 0278
 Grundig 0081 0347 0226 0320 0348 0072
 Haaz 0348
 Hanimex 0352
 Hanseatic 0037 0278 0081 0038
 Harwood 0072
 HCM 0072
 Hinari 0072 0352 0041 0278 0240
 Hisawa 0352
 Hischito 0045
 Hitachi 0042 0041 0000 0240 0081 0104 0384
 Hornyphone 0081
 Hypson 0072 0278 0352
 Imperial 0000 0240
 Ingersoll 0240
 Inno Hit 0240 0278 0072
 Interbuy 0037 0072
 Interfunk 0081 0104
 Internal 0278 0637
 International 0278 0037
 Intersivision 0000 0278 0037 0348
 Irradio 0072 0037 0081
 ITT 0106 0041 0384 0104 0240
 ITT Nokia 0048
 ITV 0278 0037
 JMB 0352
 Joyce 0000
 JVC 0041 0067 0384
 Kaisui 0072
 Karcher 0278
 Kendo 0106 0315 0348 0072 0037
 Kenwood 0041 0038
 KIC 0000
 Kimari 0047
 Kneissel 0352 0348 0037
 Kolster 0348
 Korpel 0072
 Kuba 0047
 Kuba
 Electronic 0047
 Kuwa 0226
 Kyoto 0072
 Lenco 0278
 Leyco 0072
 LG 0037 0000 0278
 Lifetec 0348
 Loewe 0081 1562 0226 0037
 Logik 0240 0072 0106
 Lumatron 0278
 Luxor 0106 0043 0072 0104 0047 0048
 Magnavox 0081
 Manesth 0072 0045 0081
 Marantz 0081 0038
 Mark 0278
 Matsui 0348 0037 0240 0352 0000
 Mediator 0081
 Medion 0348 0352
 Melectronic 0000 0037 0038
 Memorex 0104 0000 0037 0048 0047
 Memphis 0072
 Metz 1562 0347 0081 0226 0037

Micormay 0348
 Migros 0000
 Mitsubishi 0043 0067 0081
 Multitec 0037
 Multitech 0000 0072 0104
 Murphy 0000
 Myryad 0081
 NAD 0104
 National 1562 0226
 NEC 0041 0038 0067 0104 0037
 Neckermann 0041 0081
 Nesco 0072 0000 0352
 Nikkai 0072 0278
 Nokia 0104 0106 0315 0041 0278 0240 0048
 0042 0081
 Nordmende 0041 0384 0320 0321 0067
 NU-TEC 0348
 Oceanic 0000 0048 0106 0081 0104 0041
 Okano 0315 0348 0072 0278
 Orbit 0072
 Orion 0352 0348
 Orson 0000
 Osaki 0000 0037 0072
 Osume 0072
 Otto Versand 0081
 Palladium 0072 0315 0037 0041 0240 0348 0432
 Palsonic 0072 0000
 Panasonic 1562 0226
 Pathe Cinema 0043
 Pathe Marconi 0041
 Perdio 0000
 Philco 0038 0072
 Phillips 0081 0384
 Phoenix 0278
 Phonola 0081
 Pioneer 0067 0081 0042
 Portland 0278 0637
 Prinz 0000
 Profitronic 0081 0240
 Proline 0000 0320 0321
 Proscoc 0278
 Prosonic 0278 0000
 Protech 0081
 Provision 0278
 Pye 0081
 Quasar 0278
 Quelle 0081
 Radialva 0037 0072 0081 0048
 Radiola 0081
 Rank 0041
 Reoc 0348 0637 0278
 Rex 0041 0384
 RFT 0072
 Roadstar 0240 0072 0037 0278
 Royal 0072
 Saba 0041 0320 0321 0384 0278
 Saisho 0348
 Salora 0043 0106 0104
 Samsung 0240 0432 0620
 Sansui 0041 0067 0106 0072 0348
 Sanyo 0104 0047 0048 0067
 Saville 0352 0278 0240
 SBR 0081
 Scan Sonic 0240
 Schaub Lorenz 0041 0104 0000 0106 0315
 Schneider 0072 0000 0037 0081 0278 0240 0042
 Seaway 0278
 SEG 0072 0240 0278 0642 0081
 SEI 0081
 Sei-Sinudyne 0081
 Seleo 0041 0384 0037
 Sentra 0072
 Setron 0072
 Sharp 0048 0037 0569
 Shintom 0072 0104
 Shivaki 0037
 Siemens 0037 0104 0081 0320 0347
 Siera 0081
 Silva 0037
 Silver 0278
 Singer 0045
 Sinudyne 0081

VCR

VCR

Smaragd	0348
Sonitron	0047
Sonneclair	0072
Sonoko	0278
Sonorol	0048
Sontec	0037 0278
Sony	0032 0106 1032
Soundwave	0037 0348
Ssangyong	0072
Standard	0278
Starlite	0037 0104
Stern	0278
Sunkai	0348 0278
Sunstar	0000
Suntronic	0000
Sunwood	0072
Supra	0037 0240
Symphonic	0000 0072
T+A	0226
Tandberg	0278
Tashiko	0000 0048 0240 0081 0037
Tatung	0000 0041 0081 0048 0043 0348 0352
Teac	0072 0041 0000 0278 0642 0037 0081 0307
TEC	0278 0072
Tech Line	0072
TechniSat	0348
Teleavia	0041
Telefunken	0041 0320 0321 0384 0278
Teletech	0072 0278 0000
Tenosal	0072
Tensai	0000 0037 0072
Tevion	0348
Thomson	0320 0722 0321 0041 0067 0384 0278
Thorn	0041 0104 0037
Thorn- Ferguson	0320
Tokai	0072 0037 0041 0104
Tokiwa	0072
Topline	0348
Toshiba	0045 0041 0384 0043 0081
Towada	0072
Tredex	0278
Uher	0037 0240
Ultravox	0278
Unitech	0240
United Quick Star	0278
Universum	0000 0081 0240 0037 0106 0348 0104
Victor	0067
Watson	0081 0352 0278 0642
Weltblick	0037
Yamaha	0041
Yamishi	0072 0278
Yokan	0072
Yoko	0037 0072 0240
Zenith	0637

VCR