

MULTIMEDIA

SERIES

CREST UNIVERSAL

Remote control



INSTRUCTION MANUAL

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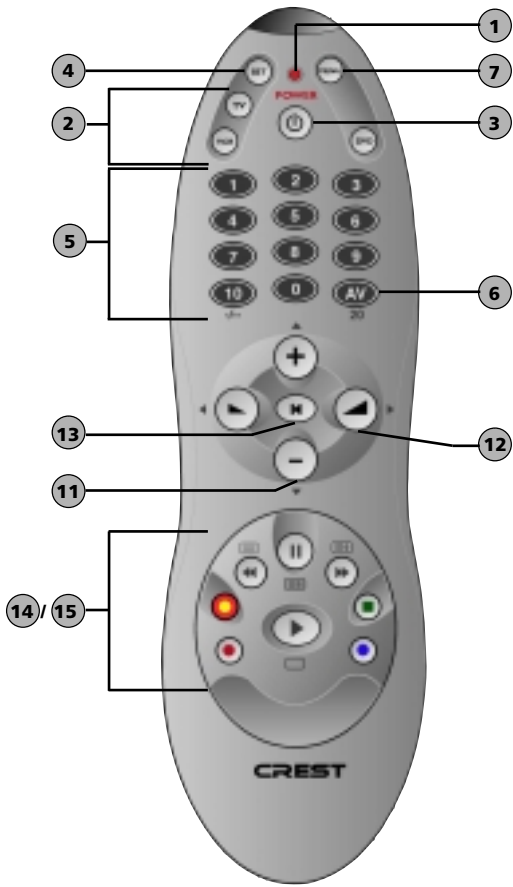
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About your CREST universal remote.

By choosing the CREST universal remote control you have opted for easy use. Made of the strictest quality, it will provide long-term satisfaction. Please read these enclosed instructions carefully before putting your CREST universal remote to use.

This manual is divided into two parts: Set Up Instructions and Device Codes. You will need your manual to set up your new CREST universal remote so please be sure to keep it.

Your CREST universal remote control can operate four devices: a Television, a Video Recorder and a DVD Player. It is also possible to operate a second Television, Video Recorder or DVD Player (see page 9).



Installing the Batteries

Your CREST universal remote control needs two new AA/LR6 alkaline batteries.

- 1 Remove the battery cover from the back of your CREST universal remote control.
- 2 Match the batteries to the (+) and (-) marks inside the battery case, then insert the batteries.
- 3 Press the battery cover back into place.

Features and Functions

Picture of the CREST universal remote control on page 3.

- 1 **LED**
The LED (Light Emitting Diode) flashes red to show the remote is working.
- 2 **Device keys**
The TV, VCR 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 the VCR key you can operate your Video Recorder etc.
- 3 **Power key**
The Power key controls the same function as on your original remote.
- 4 **SET key**
The SET key is used to set up your CREST universal remote control and to access special functions.
- 5 **Number keys**
The number keys (0-9, 10, 20 (AV)) provide functions just like your original remote. If your original remote uses one/two digit input switching (-/-- symbol), this function can be obtained by pressing the -/-- key. If your original remote has a 20 key, this function can be found under the AV key.
- 6 **AV key**
The AV key operates the same function as it did on your original remote control.
- 7 **Menu Key**
The Menu key controls the same function as it did on your original remote.

- 8 **Programme (+/-) keys**
The Programme (+/-) keys operate just as those on your original remote.
- 9 **Volume (+/-) keys**
The Volume (+/-) keys operate just as those on your original remote.
- 10 **Mute key**
The Mute key operates the same function as it did on your original remote. Also, if your original remote control required that you press an "OK" or "ENTER" key during Menu operation, the mute key can be used for this function.
- 11 **VCR / DVD Keys**
These keys operate the functions of your Video Recorder or DVD player. To prevent accidental recording on your Video or DVD Recorder, the Record key must be pressed **twice** to start recording.
- 12 **Teletext Keys**
After pressing the TV key, these keys are used to operate the main Teletext functions. Of course, your Television must have Teletext capability.
When accessing the text mode, the colour 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 CREST universal remote control Fasttext keys may operate the same.
For a more detailed explanation of Teletext and Fasttext, please refer to the manual of your Television. Remember, different televisions control Teletext and Fasttext functions in different ways. Not all of the Teletext functions may be available on your particular model.

TEXT ON: Puts the television in the Teletext mode.

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

HOLD/STOP: Stops changing 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 regular Teletext viewing, press the EXPAND key again, or press the TEXT ON key, depending on your television.

Setting up your devices

Example: to set up the CREST universal remote control for your Television:

1 Find your device code in the code section (page 12 – 25).
Codes are listed by brand name. The most popular code is listed first. Make sure your television is switched on (not on standby).

2 Press and release the TV key.



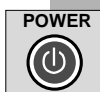
3 Press and hold down the SET key until the red light blinks twice (the red light will blink once and then twice).



4 Enter your four-digit code using the number keys. The red light will blink twice.



5 Now, aim your CREST universal remote control at your television and press POWER. If your television switches off, your CREST universal remote control should be ready to control your television.



- If your device does not respond, follow steps 1 through 5 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 5.
- To set up your other devices, follow the same instructions above, only press the appropriate device key during step 2.
- Write your code in the boxes provided in the battery compartment and on page 8, for quick, easy reference.

Devices can be found under the following keys:



- To set up a second television, video recorder or DVD player see page 9.

The Search Method

If your device does not respond to the CREST universal remote control after you have tried all the codes listed for your brand, try the Search Method. The Search Method may also work if your brand is not listed at all.

Example: to search for your Television Code:

1 Switch your Television on (not on standby).

2 Press the **TV** key.



3 Press and hold down the **SET** key until the red light blinks twice.



4 Press **9 9 1**, the red light will blink twice.



5 Next press the **POWER** key.



6 Point the CREST universal remote control at your Television. Now press **CH+** over and over, until your Television turns off (every time you press the CH+ key the CREST universal remote control 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 CREST universal remote control 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 **SET** key to store the Code. The red light will blink twice. Now your CREST universal remote control should be ready to control your television.



-
- If you cannot control your Television properly, please continue the Search Method, you may be using the wrong Code.
 - To search for your other devices, follow the same instructions above, only press the appropriate device key during step 2.
 - If your Video's original remote control does not have a POWER key, press PLAY instead of POWER when searching for your Code during step 5.
-

Blink out the Current Code

If you have set up your CREST universal remote control via the Search Method, you can blink back your code for future reference.

Example: To blink out your television code:

1 Press the **TV** key.



2 **Press and hold down the SET** key until the red light blinks twice.



3 Press **9 9 0**, the red light will blink twice.



4 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".



5 For the second digit, press **2** and count all the red blinks.



6 For the third digit, press **3** and count all the red blinks.



7 For the fourth digit, press **4** and count all the red blinks.



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

Quick Code Reference

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

Device type

Code

1.

--	--	--	--

2.

--	--	--	--

3.

--	--	--	--

Changing a Device key

It is possible to change any device key.

Example 1:

To program a second television on the VCR key you need to change the VCR key into a TV key:

1 SET (*) → 9 9 2 → TV → VCR (**)

The VCR key has now become a second TV key.

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

VCR → SET (*) → (TV Code) (**)

Example 2:

To program a second television on the DVD key you need to change the DVD key into a TV key:

1 SET (*) → 9 9 2 → TV → DVD (**)

The DVD key has now become a second TV key.

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

DVD → SET (*) → (TV Code) (**)

Example:

To program a second DVD player on the VCR key you need to change the VCR key into a DVD key:

1 SET (*) → 9 9 2 → DVD → VCR (**)

The VCR key has now become a second DVD key.

2 Now enter the Set Up code for your **second DVD Player** by pressing:

VCR → SET (*) → (DVD Code) (**)

Resetting a Device Key

Example 1: To reset the VCR key to its original mode, press:

SET (*) → 9 9 2 → VCR → VCR (**)

Example 2: To reset the DVD key to its original mode, press:

SET (*) → 9 9 2 → DVD → DVD (**)

(*) Hold down the SET key until the red light blinks twice (the red light will blink once then twice).

(**) The red light blinks twice.

Volume Punch Through

This feature allows you to adjust the volume in a certain mode (e.g. TV mode) while being in a different mode.

Last key pressed: You can control:

VCR	TV volume up and down, mute
DVD	TV volume up and down, mute

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

- 1 **Press and hold down the SET** key until the red light blinks twice (the red light will light up once then twice).
- 2 Press **9 9 3**.
- 3 Then press the **TV** key and the red light will blink twice.

Example: being in any (e.g. DVD) mode, you will be able to control VOL+/- or 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 **VCR** once.
- 2 **Press and hold down the SET** key until the red light blinks twice (the red light will light up once then twice).
- 3 Press **9 9 3**.
- 4 Then press the **VOL (-)** 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" for all modes:

- 1 **Press and hold down the SET** key until the red light blinks twice (the red light will light up once then twice).
- 2 Press **9 9 3**.
- 3 Then press the **VOL (+)** key and the red light will blink four times.

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

Colour & Brightness

Depending on the functions of your original remote control, the CREST universal remote control can operate the colour and brightness settings of your Television.

To adjust the colour:

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

To adjust the brightness:

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

Televisions

A.R. Systems	0060	0396	0375	0579	
Accent	0060	0579			
Accuphase	0579				
Acec	0035				
Adcom	0648				
Admiral	0116	0386	0441	0110	
	0186	0287			
Adyson	0240	0239			
AEA	0060	0579			
Agashi	0239	0287	0240		
AGB	0539				
Agef	0110				
Aiko	0032	0060	0579	0239	
	0394	0058	0456	0095	
	0384	0214	0287	0240	
Aim	0060	0095	0435	0579	
Aiwa	0724				
Akai	0384	0231	0394	0060	
	0456	0214	0058	0032	
	0095	0241	0737	0186	
	0539	0738	0625	0579	
	0571	0604	0503	0240	
	0654	0239	0287	0201	
	0400	0629	1060		
Akiba	0241	0305	0478	0060	
	0579	0317			
Akito	0295	0060	0579		
Akura	0060	0579	0691	0382	
	0435	0516	0032	0241	
	0305	0287			
Alaron	0202	0239			
Alba	0032	0441	0393	0394	
	0691	0060	0579	1060	
	0378	0241	0239	0270	
	0454	0186	0510	0604	
	0059	0602			
Alcyon	0099				
Alkos	0058				
Allorgan	0229	0317	0240		
Allstar	0060	0579			
Ambassador	0200				
Amplivision	0240	0423	0393	0343	
Amstrad	0200	0032	0539	0287	
	0377	0394	0241	0060	
	0579	0456	0435	0385	
	1060	0671	0604		
Anam	0060	0579	0032	0273	
Anam National	0060	0273	0579	0673	
Anex	0444				
Anglo	0032	0287			
Anitech	0032	0099	0287	0060	
	0579	0305	0125		
Ansonic	0393	0060	0579	0032	
	0691	0397	0186	0315	
	0125	0434	0282	0270	
	0035	0451	0127		
Apollo	0496				
Arc en Ciel	0422	0524	0132		
Arcam	0239	0422	0240		
Ardem	0509	0737	0060	0579	
Aristona	0579	0060	0035		
Arthur Martin	0186	0423			
ASA	0128	0369	0093	0127	
	0110				
Asberg	0060	0579	0099	0125	
Asora	0032				
Astra	0060	0579			
Asuka	0241	0240	0239	0287	
	0305				
Atlantic	0060	0579	0239	0229	
	0343	0282			
Atori	0032				
Auchan	0186	0423			
Audiosonic	0032	0060	0397	0579	
	0132	0737	0738	0240	
	0393	0360	0287	0241	
	0509	0451			
Audioton	0240	0509	0393	0287	
	0451				
Ausind	0099				
Autovox	0110	0229	0099	0567	
	0372	0240	0270		
AWA	0034	0059	0032	0180	
	0397	0435	0060	0579	
	0239	0629	0240	0131	
	0287				
Axxent	0032				
Axxon	0737				
Baird	0132	0216	0366	0213	
	0215	0095	0096	0240	
	0231				
Bang & Olufsen	0588	0110			
Barco	0403	0186			
Basic Line	0397	0060	0186	0691	
	0579	0032	0241	0305	
	0240	0478			
Bastide	0240				
Baur	0326	0558	0218	0535	
	0060	0579	0577	0214	
	0384	0567	0372	1528	
	0528				
Bazin	0240				
Beaumarck	0201				
Beko	0509	0058	0451	0737	
	0393	0060	0579	0629	
	0738				
Beon	0060	0579	0441		
Berthen	0691				
Best	0360	0393	0444		
Bestar	0060	0579	0393	0397	
Bestar-					
Daewoo	0397				
Binatone	0240				
Black Diamond	1060	0579			
Black Panther	0125				
Black Star	0270				
Black Strip	0058				
Blacktron	0305				
Blackway	0305	0241			
Blaupunkt	0577	0214	0558	0218	
	0223	0350	0351	0478	
	0193				
Blue Sky	0060	0060	0737	1060	0510
	0691	0738	0579	0241	
	0305	0478			
Blue Star	0305				
Bondstec	0270				
Boots	0295	0240	0032		
Bosch	0343	0350			
BPL	0060	0579	0305	0396	
Brandt	0648	0524	0132	0422	
	0310	0358	0494	0366	

Brandt					
Electronique	0310	0358	0524		
Brinkmann	0060	0579	0691	0542	
	0441	0509			
Brionvega	0060	0579	0385	0110	
Britannia	0239	0240			
Brother	0287				
Bruns	0110	0451			
BSR	0186	0317	0384		
BTC	0241				
Bush	0691	0241	0186	0372	
	0032	0059	0060	0394	
	0305	0295	0378	0386	
	0397	0542	0287	0384	
	1060	0510	0231	0240	
	0721	0604	0317	0579	
	0737				
Canton	0241				
Capsonic	0287				
Carad	0633	0060	0579	0691	
Carena	0478	0060	0579		
Carrefour	0059	0093	0060	0579	
Carver	0193				
Cascade	0032	0060	0579		
Casio	0060	0579	0186	0372	
Cathay	0060	0579			
CCE	0060	0579	0240		
Centrum	1060				
Centurion	0060	0579			
Century	0110	0270	0261		
CGE	0097	0107	0099	0441	
	0270	0393	0186	0422	
Cimline	0032	0241			
Citizen	0083				
City	0032				
Clarivox	0441	0060	0579	0093	
	0125				
Clatronic	0060	0393	0394	0737	
	0241	0287	0579	0240	
	0099	0270	0032	0125	
	0343	0602	0671		
Clayton	0408	1060			
CMS	0239				
CMS hightec	0240				
Concorde	0032				
Condor	0343	0060	0579	0393	
	0239	0032	0305	0125	
	0270	0441	0434	0186	
	0287				
Conrad	0060	0579			
Contec	0239	0032	0180	0034	
	0059	0287	0060	0579	
Continental					
Edison	0524	0132	0422	0310	
	0510				
Cosmel	0032	0360	0060	0579	
Crosley	0110	0270	0097	0107	
	0099	0186			
Crown	0032	0393	0509	0060	
	0579	0510	0737	0629	
	0738	0444	0396	0441	
	0099	0382	0602	0231	
	0076	0362			
Crystal	0454				
CS Electronics	0239	0241	0270		
CTC	0270				
Curtis Mathes	0083	0116	0168	0189	
Cybertron	0241				
D-Vision	0060	0579			
Daewoo	0657	0397	0522	0060	
	0579	0032	0239	0241	
	0240	1160			
Dainichi	0241	0239			
Dansai	0060	0579	0287	0058	
	0239	0032	0059	0240	
Dansette	0435				
Dantax	0393	0509	0737	0629	
	0738				
Datsura	0396	0231			
Dawa	0060	0579			
Daytron	0032	0397	0060	0579	
de Graaf	0231	0067	0186	0571	
	0386				
Decca	0095	0539	0060	0579	
	0267	0295	0240	1160	
	0644				
Deitron	0060	0579	0397	0241	
Denko	0287				
Denon	0168				
Denver	0060	0579	0629		
DER	0216	0213			
Desmet	0343	0060	0579	0032	
	0110				
Diamant	0060	0579			
Diamond	0287	0721	0719		
Digatron	0060	0579			
Digiline	0060	0579			
Digitor	0060	0579			
Digivision	0384				
DiK	0060	0579			
Dixi	0032	0060	0579	0270	
	0240	0110			
Domeos	0691				
Domland	0417				
Doric	0372				
DTS	0032				
Dual	0567	0372	0240	0366	
	0542	0060	0579	0282	
	0375	0417	0422	0326	
	0186				
Dumont	0110	0127	0125	0240	
	0093	0095			
Dunai	0567	0186			
Dux	0060	0579	0035		
Dynatron	0060	0579	0035		
E-Elite	0241				
Edison-					
Minerva	0510				
Elbe	0458	0261	0282	0385	
	0315	0393	0186	0060	
	0579	0241	0214	0434	
	0633	0240	0539	0384	
	0653				
Elbe-Sharp	0539				
Elicit	0110	0270	0539	0125	
	0186				
Elekta	0032	0060	0579	0287	
	0305				
ELG	0060	0579			
Elin	0239	0060	0579	0128	
	0127	0571	0384	0372	
	0186	0032			
Elite	0241	0060	0579	0343	
Elman	0125				
Elta	0032	0287	0239	0454	
Emco	0270				

Emerson	0200 0201 0110 0202 0270 0060 0579 0394 0093 0305 0343 0384 0509 0393 0186 0099 0344	Fujitsu	0202 0229 0095 0125 0240 0186 0032 0375 0060 0579 0384 0282
Emperor	0305	Fujitsu General	0032 0240 0229 0186
Enzer	0719	Funai	0691 0287 0202 0317 0326 0435
Erres	0060 0579 0035	Future	0060 0579
ESC	0060 0579 0240	Galaxi	0125 0060 0579 0384 0186
Estèle	0186	Galaxis	0393 0441 0060 0125 0579
Etron	0060 0579 0032 0186	Galeria	0032
Eurofeel	0287 0240	GBC	0186 0032 0397 0241 0386
Euroman	0239 0287 0060 0579 0240 0444 0393	GE	0366 0201 0305 0583 0310 0132 0358
Europa	0060 0579	Geant Casino	0186 0423
Europhon	0060 0539 0125 0186 0240 0579 0270 0454 0239	GEC	0186 0384 0372 0060 0539 0579 0066 0095 0240
Excel	0060 0579	Geloso	0270 0032 0386 0186 0397
Expert	0229 0423 0282 0186	General	0132 0310 0494
Exquisit	0060 0579 0270	General	Electric 0366 0310 General
Fagor	0060 0579	Technic	0032
Family Life	0060 0579	Genesis	0032
Fenner	0397 0032	Genexxa	0241 0060 0579 0435 0516 0186 0032
Ferguson	0096 0648 0310 0215 0213 0358 0261 0216 0132 0583 0060 0579 0058 0366 0076 0127 0131 0384 0494	Giant	0240
Fidelity	0186 0535 0386 0060 0579 0394 0435 0216 0239 0287 0567	Goldfunk	0691
Filsai	0240	Goldhand	0239
Finlandia	0231 0369 0382 0571 0384 0186 0386 0095 0310 0366	Goldline	0360
Finlux	0128 0127 0060 0579 0737 0369 0240 0095 0186 0099 0539 0738 0093 0110 0202 0125 0434 0654 0515 0503 0496 0441 0629	GoldStar	0060 0032 0393 0313 0400 0240 0201 0270 0239 0579 0454 0186 0384 0132 0386 0629 0067
Firstline	0060 0579 0397 0691 0737 0186 0032 0317 0344 0239 0408 0270 0125 0240 0434 0567 0372 0261 0095 0231 0384	Gooding	0510
Fisher	0127 0240 0059 0231 0393 0578 0110 0180 0384 0186 0326 0567 0372 0095	Goodmans	0657 0397 0060 0522 0579 1060 0691 0059 0287 0095 0539 0032 0313 0202 0510 0394 0366 0058 0503 0583 0240 0358 0241
Flint	0060 0579 0633 0095 0241 0478 0287	Gorenje	0393 0444
FNR	0125	GPM	0241
Forgestone	0216	Gradiente	0076 0193 0060 0579
Formenti	0186 0060 0579 0509 0239 0110 0343 0099	Graetz	0384 0394 0186 0060 0362 0579
Formenti-Phoenix	0239 0343	Gran Prix	0671
Fortress	0116 0110	Granada	0060 0579 0423 0249 0379 0382 0035 0095 0131 0231 0240 0099 0059 0362 0539 0496 0358 0583 0186 0386 0248 0366 0571
Fraba	0060 0579 0393	Grandin	0060 0579 0032 0186 0633 0737 0738 0691 0397 0343 0305 0241 0478 0423 0602
Friac	0032 0060 0579 0125 0444 0393 0522 0678	Gronic	0125 0240 0186
Frontech	0270 0287 0372 0386 0454 0240 0032 0186	Grundig	0558 0218 0214 0577 0510 0093 0729 0099 0060 0579 0610 0032 0059 0466 0393
		Grunpy	0202

Kiton	0579	0060		
Kneissel	0060	0393	0633	0434
	0397	0522	0579	0458
	0282	0315	0261	0385
Kolster	0060	0579	0125	0372
Konka	0060	0579	0394	0737
	0441	0241		
Kontakt	0510			
Korpel	0060	0579		
Korting	0110	0444	0393	0343
Kosmos	0060	0579		
Kotron	0435	0287		
Koyoda	0032			
Kraking	0261			
Kriesler	0035			
KTV	0240			
Kuba	0372	0186		
Kuba				
Electronic	0326	0372	0186	
Kuro	0396			
Kyoshu	0435	0441	0287	
Kyoto	0408	0186	0239	0240
LaSAT	0509	0393		
Leader	0032			
Lecson	0060	0579		
Lemair	0434			
Lenco	0060	0032	0186	0397
	0579	0127		
Lenoir	0032			
Lesla	0270			
Levis Austria	0060	0579		
Leyco	0287	0095	0060	0579
	0317	0602		
LG	0060	0393	0032	0400
	0240	0579	0737	0270
	0239	0454	0313	0186
	0201	0384	0629	0132
Liesenk & Tter	0350	0060	0579	
Liesenkotter	0060	0350	0351	0035
	0579			
Lifetec	0060	0032	0542	0397
	0691	0535	0678	1060
	1160	0579	0241	0287
Lloyd's	0032			
LME	0454			
Loewe	0535	0060	0579	0678
	0393	0656	0110	0315
	0385			
Logik	0034	0083	0721	0060
	0216	0579	0394	
Logix	0691			
Luma	0060	0386	0229	0186
	0434	0579	0397	0032
	0385	0282		
Lumatron	0386	0229	0060	0579
	0385	0186	0282	0384
	0240	0287	0096	
Lux May	0060	0032	0579	0604
Luxman	0602			
Luxor	0217	0313	0386	0503
	0515	0372	0384	0231
	0379	0571	0186	0369
	0496	0202	0240	0654
LXI	0201			
Madison	0060	0579		
Magnadyne	0110	0270	0539	0125
	0186	0567		
Magnafon	0539	0099	0125	0239
	0096			
Magnavox	0060	0579	0059	0202
Magnum	0671	0737	0060	0579
	0738			
Mandor	0287			
Manesth	0060	0579	0240	0287
	0343	0058	0317	0186
	0386			
Manhattan	0060	0579	0691	1060
	0186			
Marantz	0060	0579	0435	
Marelli	0110			
Mark	0060	0579	0240	0239
	0397	0032	0737	0738
Masuda	0241	0394	0032	0287
	0060	0240	0579	
Matsui	0060	0579	0510	0032
	0200	0034	0378	0095
	0059	0240	0377	0317
	0394	0456	0466	0386
	0602	0478	0186	0295
	0372	0539	0058	0454
	0231	0218	0214	0358
	0567			
Matsushita	0273	0673		
Matsuviama	0610			
McMichael	0066			
Mediator	0060	0579	0035	
Medion	0060	0691	0542	0535
	0579	1160	0721	
Megas	0633			
Megatron	0168	0201		
Meletronic	0369	0060	0535	0132
	0366	0270	0128	0127
	0397	0032	0240	0503
	0515	0239	0434	0372
	0186	0310	0579	0657
	0384	0214	0218	
Melvox	0423			
Memorex	0032	0201	0273	0083
Memphis	0360	0095	0032	0408
Mercury	0060	0032	0579	
Metz	0218	0558	0470	0577
	0214	0390	0411	0060
	0110	0579	0610	0691
	1060			
MGA	0201	0060	0579	0241
	0127			
Micromaxx	0060	0579	0691	1060
	0653			
Minato	0060	0579		
Minerva	0510	0558	0218	0093
	0099	0214	0577	0539
	0131			
Minoka	0435	0060	0579	0382
Mistral				
Electronics	0216			
Mitsubishi	0131	0116	0535	0060
	0201	0377	0110	0059
	0216	0558	0579	0231
Mitsuri				
General	0186			
Mivar	0315	0313	0314	0393
	0099	0239	0632	0539
	0240			
Monaco	0032			
Morgan's	0060	0579		

Motion	0099			
Motorola	0116			
MTC	0083	0393	0372	0535
	0186	0239	0384	
MTEC	0295			
Multibroadcast	0216			
Multistandard	0125			
Multitec	0060	0579	0509	0691
	1060			
Multitech	0372	0032	0386	0509
	0060	0393	0579	0240
	0239	0270	0125	0287
	0099			
Murphy	0127	0239	0095	0186
Musikland	0060	0241	0270	0579
Myryad	0579	0060		
NAD	0189	0201	0384	0186
Naiko	0060	0629	0579	
Nakimura	0397	0060	0579	
Naonis	0386	0186		
NAT	0249	0237		
National	0237	0249		
NEC	0193	0059	0343	0478
	0032	0397	0240	0060
	0579	0034	0522	
Neckermann	0060	0214	0393	1528
	0528	0223	0577	0579
	0186	0350	0441	0372
	0110	0270	0240	0434
	0343	0386	0535	
NEI	0060	0579	0360	0454
	0394	0186		
Nesco	0270	0202		
Netsat	0060	0579		
Network	0360			
Neufunk	0060	0032	0579	0633
	0241	0305	0737	
New Tech	0060	0032	0579	0366
	0240			
New World	0241			
Nicamagic	0239			
Nikkai	0095	0241	0060	0579
	0240	0287	0058	0360
	0239	0032	0059	
Nikko	0201			
Nishi	0505			
Nobliiko	0125	0099	0093	0239
Nogamatic	0422	0524	0132	
Nokia	0384	0186	0503	0372
	0571	0515	0382	0496
	0362	0231	0397	0654
	0629	0369	0202	0343
	0633	0132		
Nordic	0240			
Nordmende	0132	0737	0524	0310
	0422	0366	0583	0218
	0060	0579	0358	0186
	0494			
Norfolk	0186			
Normerel	0060	0579		
Novak	0035			
Novatronic	0060	0128	0397	0579
Nurnberg	0186	0384		
Oceanic	0186	0423	0384	0317
	0231	0586	0496	0571
	0503			
Odeon	0287			
Okano	0393	0060	0579	0287
	0095	0032		
Omega	0287			
Onwa	0394	0625	0241	0456
	0604	0125	0454	
Opera	0060	0579		
Optimus	0273	0673	0189	
Optonica	0116			
Orbit	0060	0579		
Orion	0060	0202	0378	0579
	0678	0737	0317	0200
	0343	0034	0032	0344
	0466	0125	0287	0435
	0539	0567		
Orline	0060	0241	0579	
Ormond	0408	0691	1060	0060
	0579			
Orsowe	0539			
Osaki	0095	0241	0240	0287
	0516	0060	0435	0295
	0397	0378	0579	
Osio	0060	0579	0313	
Oso	0241			
Osume	0180	0095	0059	0241
	0060	0579		
Otto Versand	1528	0528	0059	0116
	0535	0060	0579	0558
	0218	0567	0372	0577
	0214	0384	0132	0317
	0249	0270	0326	0343
	0240	0032	0305	0366
	0396	0451	0454	0539
	0542			
Pacific	0060	0579	1160	
Pael	0239			
Palladium	0393	0060	0214	1528
	0528	0223	0441	0577
	0579	0270	0350	0372
	0110	0186	0240	0434
	0678	0542	0386	
Palsonic	0287	0435	0060	0240
	0400	0241	0721	0579
Panama	0032	0240	0287	0239
	0060	0579	0270	
Panasonic	0673	0273	0249	0237
	0384	0390	0539	0060
	0579	0186	0571	
Panavision	0060	0434	0579	
Pathe Cinema	0186	0261	0239	0423
	0343	0315	0372	0454
	0393			
Pathe Marconi	0524	0132	0422	
Pausa	0032			
Perdio	0095	0343	0186	0060
	0239	0305	0579	
Perfekt	0060	0579		
Pershin	0423			
Philco	0110	0107	0097	0441
	0099	0270	0186	0393
	0060	0168	0579	0542
Philex	0216	0186		
Philharmonic	0240			
Philips	0579	0060	0261	0035
	0577	0214	0066	0110
	0216	0446	0366	0397
Phoenix	0060	0579	0393	0509
	0186	0110	0095	0239
	0343	0408		

Phonola 0060 0579 0035 0110
0216 0239
Pilot 0579 0060 0735
Pioneer 0189 0060 0579 0446
0451 0393 0366 0384
0132 0186 0310 0509
0535
Pionier 0393 0509
Plantron 0060 0579 0287 0032
Playsonic 0240 0737
Policom 0125 0132 0229 0261
0384 0186 0093 0097
0107 0110 0524 0558
Polytron 0720
Poppy 0032
Portland 0397
Powerpoint 0510
Prandoni-Prince 0270 0539 0384 0386
0099
Precision 0240
Premier 0032
Prima 0032 0287 0326 0435
Prinz 0095 0567 0372 0384
0217
Profex 0032 0186 0454 0384
0386 0099
Profi 0032
Profitronic 0060 0579 0125
Proline 0060 0579 0648 0657
0653 0434 0035 0344
0095
Prosonic 0060 0579 0393 0397
0394 0691 0737 0239
0237 0602
Protech 0060 0579 0240 0032
0270 0372 0125 0287
0454 0441 0360 0691
0305 0186 0509
Proton 0201
Provision 0522 0060 0579 1060
Pye 0060 0579 0035 0110
0577 0397 0372 0435
Pymi 0032
Quadra Vision 0423
Quadral 0241
Quasar 0270 0673 0273 0032
Quelle 0060 1528 0528 0034
0524 0132 0535 0558
0567 0372 0577 0214
0384 0059 0240 0270
0097 0350 0107 0351
0093 0127 0128 0691
0579 0180 0218 0223
0287 0313 0317 0369
0444 0032
Questa 0059
R-Line 0060 0579 0186
Radialva 0132 0241 0454 0186
0060 0579 0310
Radiola 0060 0579 0035 0240
Radiomarelli 0110 0539 0270 0060
0579
RadioShack 0060 0579 0201
Radiotone 0032 0060 0579 0451
0393 0602 0441 0435
0671 0691 0287
Rank 0093

Rank Arena 0059 0180
RBM 0093
RCA 0648 0116 0583 0358
0366
Realistic 0201
Recor 0060 0579
Rectiligne 0060 0579
Rediffusion 0384 0571 0059 0369
Redstar 0060 0579
Reflex 0060 0579 1060 0691
Reoc 0737 0657
Revox 0060 0579 0393
Rex 0229 0386 0434 0270
0186 0282 0287
RFT 0110 0315 0393 0451
0095 0287 0060 0579
Rhapsody 0239
Ricoh 0060 0579
Roadstar 0032 0441 0060 1060
0579 0241 0287 0305
Robotron 0110
Rodex 0060 0579
Rowa 0287 0721 0240 0735
Royal Lux 0444 0393 0435 0358
Rukopir 0579 0060
Saba 0648 0310 0110 0422
0186 0132 0524 0539
0366 0384 0521 0358
0571 0494 0583
Saccs 0261
Sagem 0633 0478 0305
Saisho 0539 0200 0032 0034
0240 0454 0186 0287
0377 0567
Saivod 0060 0579
Sakai 0186
Salora 0313 0217 0372 0186
0379 0382 0384 0539
0386 0396 0571 0362
0231
Salsa 0358
Sambers 0539 0099 0125
Samsung 0641 0610 0060 0201
0579 0032 0240 0505
0393 0287 0239 0313
0667 0083 0095 0231
0542 0186
Sandra 0239 0240
Sanela 0261
Sansui 0060 0579 0729 0394
0678 0625 0444 0478
Santon 0032
Sanyo 0231 0180 0315 0059
0034 0393 0362 0095
0239 0240 0127 0578
0032 0567 0186 0396
0060 0131 0579 0509
Save 0060 0579
SBR 0060 0579 0035 0216
0066
Schaub Lorenz 0372 0571 0737 0629
0384 0509 0397
Schneider 1160 0060 0579 0542
0035 0326 0567 0372
0417 0375 0282 0366
0240 0270 0394 0384
0241 0691 1060 0186
0671 0737

Scotland	0186				Soundwave	0060	0579	0343	0441
Scott	0201	0202			Spectra	0032			
Sears	0201	0202			Ssangyong	0032			
SEG	0060	0579	1060	0691	Staksonic	0032			
	0240	0510	0032	0372	Standard	0060	0579	1060	0241
	0186	0287	0657	0059		0032	0240	0343	0397
	0125	0270	0385	0239	Starlite	0032	0186	0060	0579
	0099	0241				0287	0435		
SEI	0110	0125	1528	0528	Stenway	0305	0241		
	0186	0539	0567	0372	Stern	0229	0282	0186	0386
	0317	0229	0060	0579		0287	0434	0458	
	0200				Strato	0060	0579	0287	0032
Sei-Sinudyne	0125	0229	0317	0539	Stylandia	0240			
	1528	0528	0567	0060	Sunic Line	0060	0579		
	0579	0110			Sunkai	0317	0378	0344	0478
Seleco	0229	0386	0282	0385		0241	0633	0060	0579
	0186	0434	0394	0059		0510			
	0287	0369			Sunstar	0394	0060	0579	0032
Sencora	0032					0602	0287		
Sentra	0058	0241	0032	0372	Sunwood	0060	0579	0032	
Serino	0633	0478	0239	0116	Superla	0539	0239	0240	
Sharp	0116	1216	0180	0059	SuperTech	0032	0060	0579	0239
	0317	0676	0076	0216		0241			
	0539	0223			Supra	0397	0032		
Shintoshi	0060	0579			Susumu	0358	0241	0310	
Shivaki	0060	0579	0466	0397	Sutron	0032			
Shorai	0317	0202			Swissline	0270			
Siarem	0186	0110	0125	0539	Sydney	0239	0240		
Siemens	0214	0558	0577	0223	Sysline	0060	0579		
	0218	0350	0351	0180	Sytong	0239			
	0060	0579	0384		T+A	0470			
Siera	0060	0579	0035		Tactus	0295			
Siesta	0393				Tandberg	0390	0434	0132	0360
Silva	0060	0579	0239	0384		0385	0384	0186	
	0671				Tandy	0241	0095	0240	0270
Silver	0059	0060	0478	0384		0116	0186		
	0579	0202	0738	0186	Tashiko	0059	0066	0240	0193
Singer	0032	0110	0060	0579		0239	0382	0186	0386
	0125	0270	0458	0423	Tatung	0060	0579	0095	0539
	0358	0186				0240	0295	0034	0267
Sinudyne	0200	0110	0125	0317		0644			
	0186	0384	0539	0567	TCM	0737			
	0372	1528	0528	0229	Teac	0721	0535	0060	1060
	0060	0579				0579	0735	0691	0478
Skantic	0379					0240	0729	0287	0567
Sky	0060	0579				0201	0032	0435	0372
Skymaster	0128					0305	0441	0454	
Skysonic	0719				TEC	0240	0032	0270	0494
SLX	0691					0358	0360	0282	0060
Smaragd	0510					0579	0384	0186	
Sogera	0343				Tech Line	0060	0579	0691	
Solavox	0384	0095	0186	0571	Technica	0241			
	0060	0579			Technema	0343			
Sonawa	0241				Technics	0273			
Soniko	0060	0579			TechniSat	0678	0060	0579	0186
Sonitron	0231	0393	0362	0240	Technol Ace	0202			
Sonneclair	0060	0579			Tecnimagen	0579			
Sonoko	0060	0579	0032	0287	Tedalex	0240	0629	0032	0231
	0305	0240				0610	0060	0579	0454
Sonor	0231	0186	0423	1528	Teiron	0032			
	0528	0571	0384	0305	Teknika	0083	0202		
Sontec	0060	0579	0393	0317	Teleavia	0132	0524	0310	0422
	0032					0513	0366		
Sony	1528	1674	0528	0034	Telecor	0060	0186	0579	0241
	0059	0125	0060	0579		0240	0282	0417	
Sound & Vision	0125	0241	0397	0060					
	0579								
Soundesign	0201	0202							

Telefunken	0132 0524 0521 0494 0422 0310 0097 0107 0124 0358 0285 0096 0366 0060 0579 0509 0648	Triumph	0200 0539 0369 0579 0060
Telefusion	0060 0579	Tsoschi	0305
Telegazi	0060 0186 0579 0282 0241 0287	TVTEXT 95	0579
Telemeister	0343 0060 0579	Uher	0099 0060 0579 0229 0343 0326 0397 0441 0509 0393 0282
Telesonic	0060 0579	Ultra	0215
Telestari	0060 0579 0602 0435	Ultravox	0110 0125 0397 0270 0239 0186 0060 0579
Teletech	0060 0579 0691 0032 0270 0360	Unic Line	0060 0579 0496 0478 0372
Teleton	0240 0229 0186 0372 0282 0059 0386	United	0060 0579 0737 0738
Televideon	0343 0186 0239	Universum	0369 0128 0558 0218 0496 0384 0270 0515 0503 0393 0223 0441 0034 0535 0317 0059 0180 0093 0186 0287 0127 0060 0579 0444 0434 0313 0097 0350 0351 1528 0528 0099 0691 0567 0372 0240 0524 0132 0385 0360 0200 0654 0577 0032 0107
Television	0060 0579	Univox	0060 0579 0360 0110 0186 0261
Telexa	0423	Utah	0186
Telexa	0125	Vestel	0060 0186 0240 0579 0691 1060 0032 0060 0579
Temco	0317	Vexa	0295
Tempst	0032 0060 0579	Vibrant	0295
Tennessee	0060 0579	Victor	0076
Tensai	0127 0241 0060 0579 0240 0317 0343 0032 0128 0397 0394 0400 0270 0738 0186	Videologic	0241
Tenson	0343 0032	Videologique	0239 0241 0240
Tevion	0542 0060 0579 0671 0691 1160	Videosat	0270
Textet	0240 0397 0032 0239 0241	VideoSystem	0060 0579
Thomson	0648 0583 0310 0132 0524 0422 0494 0358 0366 0060 0579 0513 0372	Videotechnic	0239 0343 0240 0397
Thorn	0216 0096 0213 0261 0215 0097 0107 0522 0060 0127 0579 0358 0535 0382 0295 0397 0058 0131 0132 0248 0366 0384 1528 0528 0558 0095	Videoton	0379 0186 0454
Thorn-Ferguson	0127 0131 0132 0213 0215 0261 0216 0384 0358 0522 0096 0058	Vidikron	0125
TMK	0201 0200	Vidtech	0059 0201
Tokai	0095 0060 0579 0360 0186 0691 0240 0397 0032	Viper	0360
Tokyo	0239 0058	Visiola	0239
Tomashi	0305 0241	Vision	0060 0579 0343 0240
Toshiba	0058 0083 0531 0059 0093 0125 1531 0240 0132 0513 0741 0218 0214 0641	Vistar	0229 0384
Towada	0372 0125 0240	Vortec	0060 0579
Toyoda	0032 0394	Voxson	0110 0099 0060 0579 0386 0441 0186
Trakton	0287	Waltham	0240 0691 0379 0441 0310 0408 0060 0579 0132 0454 0513
Trans		Wards	0202
Continens	0691 0240 0060 0579	Watson	0060 0343 0579 0186 0241 0602 0542 0417 0032 0691 1060
Trasonic	0060 0579 0478 0610 0535 0287 0721 0735	Watt Radio	0125 0567 0372 0186 0239
Transtec	0239	Wega	0060 0579 0059 0110
Triad	0060 0579	Wegavox	0032 0060 0579
Trical	0180	Weltblick	0060 0579 0343 0240
Trident	0539 0240	Weston	0060 0579
Tristar	0287 0241 0216	Wharfedale	0060 0542 0579
		White Westinghouse	0343 0239 0060 0579 0360
		Windsor	0691
		Windstar	0305 0360
		Windy Sam	0579

Wintel	0737
Krypton	0060 0579
Yamishi	0305 0478 0241 0060
	0240 0579
Yokan	0060 0579
Yoko	0240 0060 0579 0241
	0287 0032 0454 0444
	0393 0362 0239 0270
	0396
Yorx	0241
Zanussi	0229 0386 0240
Zenor	0362

Video Recorders

Accuphase	0660
Adelsound	0027
Adyson	0095
Aiwa	0330 0023 0371 0375
	0060 0064
Akai	0129 0338 0064 0043
	0375 0263
Akashi	0095
Akiba	0095
Akura	0095 0064
Alba	0301 0095 0375 0043
	0023 0338 0371 0104
Allorgan	0263
Allstar	0345 0104
Ambassador	0043
Amstrad	0023 0301 0095
Anitech	0095 0345
Ansonic	0027 0023
Aristona	0104
ASA	0060 0104
Asuka	0095 0060 0104 0023
	0061
Audiosonic	0301
Audioton	0043
AVP	0375 0023
AWA	0060 0301 0665 0066
Baird	0129 0301 0127 0064
	0023
Bang & Olufsen	0522
Basic Line	0301 0043 0095
Bestar	0301 0043
Black Diamond	0665 0301
Black Panther	0301
Blaupunkt	1585 0249 0104 0218
Blue Sky	0060 0371 0095 0375
	0301 0023
Bondstec	0043 0095
Brandt	0064 0210 0343 0344
	0516
Brandt Electronique	0064
Brinkmann	0371
Brionvega	0367
Bush	0095 0301 0338 0375
	0023 0371 0104
Carena	0104
Carrefour	0068
Casio	0023
Cathay	0301
Catron	0043
CGE	0064 0023
Cimline	0095
Clatronic	0043 0095 0023
Combitech	0375

Condor	0043 0301
Crown	0301 0095 0043 0345
Cyrus	0104
Daewoo	0301 0665 0660 0371
	0375 0068 0043
Dansai	0095 0301
Daytron	0301
de Graaf	0065 0104 0127 0071
	0069
Decca	0023 0064 0104 0031
	0090 0371
Deitron	0301
Denko	0095
Diamant	0060
Dual	0064 0104 0301 0023
Dumont	0023 0104 0127
Elbe	0301 0061
Elcatech	0095
Elin	0263
Elsay	0095
Elta	0095 0301
Emerson	0095 0068 0023
ESC	0301 0263 0043
Etzuko	0095
Europhon	0043
Fenner	0043
Ferguson	0064 0343 0344 0516
	0023 0301
Fidelity	0023 0095 0263
Finlandia	0127 0104 0065 0023
	0071 0407 0030
Finlux	0023 0104 0127 0065
Firstline	0095 0371 0066 0060
	0068 0065 0301
Fisher	0070 0127 0069 0061
	0043
Frontech	0043 0345 0095
Fujitsu	0023
Funai	0023
Galaxi	0023
Galaxis	0301
GBC	0043
GE	0343
GEC	0104
General	0043
General	
Technic	0371
Genexxa	0127
Goldhand	0095
GoldStar	0060 0023
Goodmans	0023 0095 0263 0301
	0060 0043 0104 0371
	0660 0375 0665
Graetz	0064 0127 0263 0367
Granada	0127 0069 0071 0104
	0263 0060 0249 0065
	0023
Grandin	0095 0060 0043 0023
	0301
Grundig	0030 0218 0104 0370
	0249 0343 0371 0095
Haaz	0371
Hanimex	0375
Hanseatic	0060 0301 0104 0061
Hantor	0043
Harwood	0095
HCM	0095 0345

Hinari	0027 0095 0375 0064	Minerva	0218
	0345 0301 0263	Mitsubishi	0066 0090 0104
Hisawa	0375	Multitec	0060
Hischito	0068	Multitech	0023 0095 0043 0127
Hitachi	0065 0064 0023 0263		0345
	0104 0027 0127 0407	Murphy	0023
Hornophone	0104	Myryad	0104
Hypson	0095 0301 0375	NAD	0127
Impego	0043	National	1585 0249
Imperial	0023 0263	NEC	0064 0061 0090 0127
Ingersoll	0027 0263		0060
Inno Hit	0043 0263 0301 0345	Neckermann	0064 0104 0367
	0095	Nesco	0095 0023 0375
Interbuy	0060 0095	Nikkai	0043 0095 0301
Interfunk	0104 0127	Nokia	0127 0129 0338 0064
Internal	0301 0660		0301 0069 0367 0263
International	0301 0060		0071 0065 0104
Intervision	0023 0301 0060 0371	Nordmende	0064 0407 0343 0344
Irradio	0095 0060 0104		0210 0517 0551 0090
ITT	0129 0064 0069 0367		0516
	0407 0127 0263	NU-TEC	0371
ITT Nokia	0071	Oceanic	0023 0071 0129 0104
ITV	0301 0060 0043		0127 0064 0069
JMB	0375	Okano	0338 0371 0095 0345
Joyce	0023		0301
JVC	0064 0090 0031 0407	Orbit	0095
Kaisui	0095	Orion	0027 0375 0371
Karcher	0301	Orson	0023
Kendo	0129 0338 0371 0095	Osaki	0023 0060 0095
	0060	Osume	0095
Kenwood	0064 0061 0069	Otto Versand	0104
KIC	0023	Palladium	0095 0338 0060 0064
Kimari	0070		0027 0263 0371 0455
Kneissel	0375 0371 0060	Palsonic	0095 0023
Kolster	0371	Panasonic	1585 1685 0249 0859
Korpel	0095		0860
Kuba	0070	Pathe Cinema	0027 0066
Kuba		Pathe Marconi	0064
Electronic	0070	Perdio	0023
Kuwa	0249	Philco	0061 0095
Kyoto	0095	Phillips	0104 0169 0407
Lenco	0301	Phoenix	0301
Leyco	0095	Phonola	0104
LG	0060 0023 0301	Pioneer	0090 0104 0065
Lifetec	0371	Portland	0043 0301 0660
Loewe	0104 1585 0249 0060	Prinz	0023
	0027	Profex	0345
Logik	0027 0263 0095 0129	Profitronic	0104 0263
Lumatron	0301	Proline	0023 0343 0344
Luxor	0129 0069 0066 0095	Proscoc	0301
	0127 0070 0071	Prosonic	0301 0023
Magnavox	0104	Protech	0104
Manesth	0095 0068 0104	Provision	0301
Marantz	0104 0061 0169	Pye	0104
Mark	0301 0043	Quasar	0301
Marquant	0345	Quelle	0104 0367
Matsui	0027 0371 0060 0263	Radialva	0060 0095 0104 0071
	0375 0023	Radiola	0104
Mediator	0104	Rank	0064
Medion	0371 0375	Reoc	0371 0660 0301
Melectronic	0023 0060 0061	Rex	0064 0407
Memorex	0127 0023 0069 0060	RFT	0043 0095
	0071 0070	Roadstar	0263 0095 0060 0301
Memphis	0095	Royal	0345 0095
Metz	1585 0218 0370 0104	Saba	0064 0210 0343 0344
	0249 0060		0407 0517 0301
Micormay	0371	Saisho	0027 0371
Migros	0023	Salora	0069 0066 0129 0127

Samsung	0263	0455		
Samurai	0043			
Sansui	0064	0090	0129	0095
	0345	0371		
Sanwa	0027			
Sanyo	0127	0069	0070	0071
	0090			
Saville	0375	0301	0263	
SBR	0104	0169		
Scan Sonic	0263			
Schaub Lorenz	0064	0367	0127	0023
	0129	0338		
Schneider	0095	0023	0060	0104
	0301	0263	0169	0065
Seaway	0301			
SEG	0095	0263	0345	0301
	0665	0104		
SEI	0027	0104		
Sei-Sinudyne	0027	0104		
Seleco	0064	0031	0407	0043
	0060			
Sentra	0095	0043		
Setron	0095			
Sharp	0071	0060	0592	
Shintom	0095	0127		
Shivaki	0060			
Shorai	0027			
Siemens	0218	0060	0127	0030
	0104	0169	0343	0370
Siera	0104			
Silva	0060			
Silver	0301			
Singer	0068			
Sinudyne	0027	0104		
Smaragd	0371			
Solavox	0043			
Sonitron	0070			
Sonneclair	0095			
Sonoko	0301			
Sonolor	0071	0069		
Sontec	0060	0301		
Sony	0056	0055	0129	1055
Soundwave	0060	0371		
Ssangyong	0095			
Standard	0301			
Starlite	0060	0127		
Stern	0301			
Sunkai	0371	0301		
Sunstar	0023			
Suntronic	0023			
Sunwood	0095			
Supra	0060	0263		
Symphonic	0023	0095		
T+A	0249			
Taisho	0027			
Tandberg	0301			
Tashiko	0023	0071	0263	0104
	0060			
Tatung	0023	0064	0104	0071
	0066	0371	0375	
Teac	0095	0064	0023	0301
	0665	0060	0104	0330
TEC	0043	0301	0095	
Tech Line	0095			
TechniSat	0371			
Teleavia	0064	0210	0516	
Telefunken	0210	0064	0343	0344
	0407	0516	0517	0301

Teletech	0345	0095	0301	0023
Tempest	0043			
Tenosal	0095			
Tensai	0023	0345	0060	0095
	0027			
Tevion	0371			
Thomson	0343	0745	0344	0064
	0090	0407	0516	0517
	0551	0301		
Thorn	0064	0127	0060	
Thorn-				
Ferguson	0343			
Tokai	0095	0060	0064	0127
Tokiwa	0095			
Topline	0371			
Toshiba	0068	0064	0407	0066
	0104			
Towada	0345	0095		
Tracton	0043			
Trakton	0043			
Tredex	0301			
TVA	0043			
Uher	0060	0263	0367	
Ultravox	0367	0301		
Unitech	0263			
United				
Quick Star	0301			
Universum	0023	0104	0263	0060
	0129	0371	0218	0345
	0127			
Victor	0031	0090		
VideoPro	0043			
Watson	0104	0375	0301	0665
Weltblick	0060			
Wharfedale	0638			
White Westing-				
house	0367			
Yamaha	0064			
Yamishi	0095	0301		
Yokan	0095			
Yoko	0060	0095	0043	0263
Zenith	0660			

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3DLAB	0562			
A-Trend	0737			
Acoustic				
Solutions	0753			
AEG	0811	0793		
Aiwa	0664	0718		
Akai	0813	0811	0713	0736
	0728			
Akira	0722			
Alba	0740	0722	0736	0718
All-Tel	0813			
Amitech	0793			
Amstrad	0736			
Ansonic	0797			
Apex Digital	0695			
Audiosonic	0713			
AWA	0753			
Black Diamond	0736			
Blaupunkt	0740			
Blue Sky	0722	0718	0736	0695
Boman	0806			
Brain Wave	0793			
Brandt	0674			

Bush 0722 0713 0712 0740
 0736 0797 0718
 C-Tech 0791
 Cambridge
 Audio 0719
 Cambridge
 Soundworks 0719
 CAT 0722
 Celestial 0695
 Centrex 0695
 Centrum 0736
 cineULTRA 0722
 Classic 0753
 Clatronic 0811
 Clayton 0736
 Coby 0753
 Conia 0695
 Crown 0793 0674 0713
 Cybercom 0797
 CyberHome 0737
 Cytron 0674 0728
 Daewoo 0793 0728 0737
 Daewoo
 International 0722
 Dansai 0793 0806
 DEC 0722
 Decca 0793
 Denon 0513
 Denver 0722 0811
 Denzel 0688
 Diamond 0674 0791
 Digihome 0736
 digiRED 0740
 Digitrex 0695
 DiK 0797
 Dinamic 0811
 DiViDo 0728
 DK digital 0797
 DMTECH 0806 0813
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 Dual 0688 0674 0736 0753
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 Electrohome 0793
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Hitachi 0687 0688 0596
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 MDS 0722
 Medion 0674 0797 0806
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 Metz 0594 0548 0736
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 Omni 0713 0722
 Onkyo 0526
 Optimus 0594 0548
 Orion 0718
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 Pacific 0791 0813 0797 0736
 Palladium 0718
 Palsonic 0712 0695
 Panasonic 0513
 Panda 0806
 Phillips 0562 0526
 Phonotrend 0722
 Pioneer 0594 0548
 Pointer 0793
 Proline 0674 0709 0695 0813

Prosonic	0722
Provision	0722
Radionette	0764
Raite	0688
RCA	0674
REC	0712 0513
Red Star	0793 0811
Reoc	0791
Revoy	0722
Roadstar	0722 0713 0712 0736
Rotel	0646 0581
Saba	0674
Sabaki	0791
Salora	0764
Samsung	0596 0513
Sansui	0718 0791 0793
Sanyo	0718 0813
Scan	0728
ScanMagic	0753
Schaub Lorenz	0811 0793
Schneider	0674 0806 0728 0813 0811
Scientific Labs	0791
Scott	0674 0695
SEG	0688 0736 0791
Shanghai	0695
Sharp	0653 0718
Sherwood	0740 0764
Shinco	0740
Silva	0811
SilvaSchneider	0797
Singer	0713
Skymaster	0753 0791
Slim Art	0793
SM Electronic	0753 0791 0713
Smart	0728 0736
Sony	0556 0596
Soundmaster	0791
Soundmax	0791
Soundwave	0806
Standard	0674 0791
Sunwood	0811
Supervision	0753 0791
SVA	0695
Synn	0791
Tandberg	0736
Tatung	0793
Teac	0740 0764 0594 0791 0813
Technics	0513
Technika	0793
Techwood	0736
Tensai	0713 0674
Tevion	0674 0791
Theta Digital	0594
Thomson	0574
Tokai	0688 0811
Tokiwa	0728
Toshiba	0526
Umax	0713
United	0811 0753 0813
Universum	0764 0736
Venturer	0813
Vieta	0728
Voxson	0797 0753
Walkvision	0740
Welkin	0797
Wesder	0722

Wharfedale	0709 0719
Windy Sam	0596
XLogic	0793 0791
XMS	0811 0712
Yamaha	0513 0562
Yamakawa	0688
Yukai	0753
Zenith	0526 0764

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