

ONE
FOR ALL[®]



ZAPPERTM

URC-6530/31
702291

UK Universal remote

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About Your ZAPPER

Thank you for purchasing the ZAPPER 3 universal remote control (URC-6532). Your ZAPPER package contains:

- The ZAPPER Remote Control
- The ZAPPER User Guide & Code Book

The User Guide & Code Book explains in simple steps how to set up and operate your new universal remote control. **You may need this guide again in the future, so please be sure to keep it.**

Your ZAPPER needs 2 new "AAA/LR03" batteries.

Your ZAPPER is designed to let you use one remote to operate your Television, VCR and Satellite Receiver (or Cable Converter).



Installing The Batteries

The ZAPPER needs 2 new "AAA/LRO3" alkaline batteries.

- 1 Remove the battery cover from the back of the ZAPPER by pressing down on the tab.
- 2 Match the batteries to the +/- marks inside the battery case, then insert the batteries.
- 3 Press the battery cover back into place.

Important notes:

- In order to avoid having to reprogram your ZAPPER after you remove the batteries, you will need to insert new batteries within 5 minutes.
- Also, it is best 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 after your ZAPPER is set up for your devices. Please write down your codes for easy, future reference.**

Features and Functions

See picture of the ZAPPER 3 remote on page 3.

- 1 **LED**
The LED (Light Emitting Diode) will flash red when a key is pressed to show the remote is working
- 2 **Magic**
The MAGIC key is used to set up your ZAPPER and to access special features.
- 3 **Power**
The Power key turns your devices both on and off.
- 4 **Device Keys**
The TV ,VCR and SAT keys select the home entertainment device to be controlled. Pressing the TV key allows the remote to control the functions of your Television. After pressing VCR you can operate your Video Cassette Recorder. After pressing SAT, you can operate your Satellite Receiver or Cable Converter.

5 Mute/OK

The Mute key operates the same function it did on your original remote. It is also used to activate the Scan feature (page 10).

6 Volume+/-, Programme +/-

The Volume and Programme keys operate just as on your original remote control. These keys are also used to program the ZAPPER for your devices and to control the Colour and Brightness settings of your television (page 10).




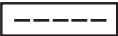
7 Video Recorder Keys

After pressing the VCR key, the Video Recorder keys operate the functions of your Video Recorder. To prevent accidental recordings, the Record key must be pressed twice.



Setting Up The ZAPPER


Direct Set-Up

To set up the ZAPPER for your Television, Video and Satellite Receiver (or Cable Converter) follow the instructions below. To set up your Television:

-  Find your Television code in the Set-Up Code section (page 66-80). Codes are listed by brand name. The most popular codes are listed first. **Make sure that your Television is switched on (not in standby).**
-  Press and release the **TV** key to select the device.
-  **Press and hold down MAGIC** until the red light blinks twice (it will blink once then twice).
-  **Enter your 5-digit** code according to the chart below. The red light will blink twice.

Volume +		=	1
Volume -		=	2

Programme +		=	3
Programme -		=	4

-  Now, aim the ZAPPER at your Television and press **POWER**. If your Television switches off, your ZAPPER should be ready to operate your device.
- Turn your device back on and try all the remote's functions to ensure they are working properly. If the functions do not work properly, repeat steps 1-6 using another code listed under your brand.
- Write the codes for your TV, VCR and SAT in the boxes provided on page 7 and inside the battery compartment for easy future reference.**

Important notes:

- To set up your Video Recorder, Satellite Receiver or Cable Converter, follow the same instructions above, only press the VCR or SAT key during step 2.
- Some codes are quite similar. If your device does not respond or is not functioning properly with one of the codes, follow steps 1-6 with each code listed for your brand.
- If none of the codes listed for your brand operate your device, follow the Search Method described in the next section. The Search Method can be used even if your brand is not listed at all.
- Remember, to control your device after you have programmed it with the ZAPPER, you must press the device key first (TV, VCR or SAT).

TV Code

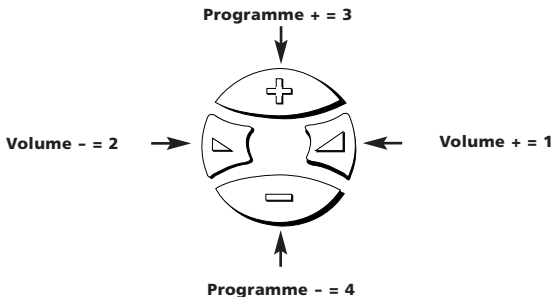
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VCR Code

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SAT/Cable Code

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(Example: To enter the Sony TV code 24432, you would press Volume(-), Programme(-), Programme(-), Programme(+), Volume(-).

If your device does not respond to the ZAPPER after you have tried all the codes listed for your brand, try the Search Method.

Make sure you write your correct 5 digit codes in the boxes provided inside the battery compartment and on this page.

Search Method

If your Television, VCR, Satellite or Cable Converter does not respond to the ZAPPER after trying all the codes listed for your brand, try searching for your code. The Searching Method allows you to find the code of your device by scanning through all the codes contained in the memory of the ONE FOR ALL remote control. To search for your TV code:

- 1** Make sure that your Television is switched on (not in standby).
-  **2** Press the **TV** key on the ZAPPER.
-  **3** **Press and hold down MAGIC** until the red light blinks twice (it will blink once then twice).
- 

 **4** Next, press the **Programme(-)** key **three times**.
- 
 **5** Next, slowly alternate between **TV** and **POWER** until your Television turns off. You may have to press these keys many times, so be patient. Remember, you must aim the ZAPPER at your device the entire time you are searching for your code.
-  **6** When your device turns off, press and release **MAGIC**, to store the code.

The zapper should now be ready to operate your television. Turn your television back on and try all the remote's functions to ensure they are working properly. If some of the ZAPPER'S commands are not operating correctly, try the search method again, you may be using the wrong code.









Important notes:

- To search for the code for your VCR, Satellite Receiver or Cable Converter, follow the same instructions above, only press the VCR or SAT key during step 2 and 5.
- 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, you may have to press these keys many times (up to 150!), so be patient. Remember, you must aim the ZAPPER at your device the entire time you are searching for your code.

Code Blink Out

After you have used the Search Method, you can find out which code the ZAPPER responded to by blinking back the code. It's useful to know your Television, Video, Satellite Receiver or Cable Converter code for future reference. **Remember, you can only blink back your code after the ZAPPER is operating your device.**

To blink out your TV code:

-  Press the **TV** key on the ZAPPER.
-  Press and hold the **MAGIC** key until the red light blinks twice (it will blink once then twice).
-  Next, press **Programme(-)**, **Programme(-)**, **Programme(+)**.
-  For the first digit of your 5-digit code, press **Volume +** (▲) and count all the red blinks.
-  For the second digit, press **Volume -** (▼) and count all the red blinks.
-  For the third digit, press **Programme(+)** and count all the red blinks.
-  For the fourth digit, press **Programme(-)** and count all the red blinks.
-  For the fifth digit, press **MUTE** and count all the red blinks.









Now you have your 5-digit code. Write your code in the boxes provided previously and inside the battery compartment for easy, future reference.

Important note: To blink out the code for your Video Recorder, Satellite Receiver or Cable Converter, follow the same instructions above, only press the VCR or SAT key during step 1.

Advanced Operation

Controlling Colour & Brightness

Depending on the functions of your original remote control, the ZAPPER may operate the colour and brightness settings of your Television.


Colour up =	Press		then hold	
Colour down =	Press		then hold	
Brightness up =	Press		then hold	
Brightness down =	Press		then hold	

Note: You have 5 seconds to press the Volume or Channel keys for colour or brightness adjustment after pressing MAGIC.


Scan

Your ZAPPER comes with a special Scan function which lets you "scan" through every programme available on your TV, VCR, Satellite or Cable Box.


For example, to scan the programmes on your TV:

- 

Aim the ZAPPER at your TV. Press the **TV** key. Press and release **MAGIC** then press the **MUTE** key.



The ZAPPER will send the command to advance through all the programmes available on your Television stopping at each programme for about three seconds. Remember, you must aim the ZAPPER at your device the entire time you are using scan.


- When you find a programme you would like to watch, simply press **any key** to stop the Scan feature.

Important notes:

- To use Scan with your Video, Satellite or Cable Box, follow the same instructions above, only press the VCR or SAT key during step 1.
- Scan may not function with devices that did not have a Programme +/- key on the original remote control.

Trouble-Shooting

Helpful Hints

Problem:	Solution:
Your brand is not listed in the ONE FOR ALL code section?	Try the search method.
The ONE FOR ALL does not operate your device?	A) Try all the codes listed for your brand. B) Try the search method.
The ONE FOR ALL is not performing commands properly?	You may be using the wrong code. Try Direct Set-Up again trying each code listed under your brand or start the search method over again to locate the proper code.
Your TV switches to programme 1 when you press the POWER key before switching off OR you must press POWER twice to switch on your TV?	Press TV, then press MAGIC until the red light blinks twice. Then press: (Programme-) (Programme+) (Programme-)
You cannot reach channel 10 and above on your TV or Satellite.	If your original remote did not have channel +/- keys, the Zapper may not operate this function.
Video not recording?	As a safety feature on your ONE FOR ALL, you must press the Record key twice .
The ONE FOR ALL does not respond after pressing a key?	Make sure you are using new batteries and are aiming the ONE FOR ALL at your device.
The red light does not blink when you press a key?	Replace batteries with 2 new "AAA/LR03" alkaline batteries

Televisions

Fernseher

Téléviseurs

Televisores

Televisões

Televisori

Televisies

4310991	A.R. Systems	11322	22311	31341				
4311306	Accent	11322						
4312089	Accec	11141						
4310010	Admiral	12224	12242	23313	14222	21131		
		13314						
4310012	Adyson	12121	14232	14231				
4311080	Agashi	14231	21131					
4310015	AGB	31121						
4310997	Agef	12224						
4310017	Aiko	11132	11322	22414	11314	14231		
		12131	22332	13444	21131	14232		
		11322	21213					
4310018	Aim	22332	14211	22414	11322	13444		
4310020	Akai	11314	11132	12131	14233	13314		
		31121	31341	32122	24311	14232		
		32424	14231	21131	24111	22432		
		32243						
4310021	Akiba	14233	21233	24124	11322	21323		
4310022	Akito	11322						
4310023	Akura	14233	22324	21233	21221	11132		
		23241	21131	11322	24342			
4311267	Alaron	14231						
4310024	Alba	14233	14334	11132	23313	22413		
		22314	22414	11322	14231	14424		
		23344	13314	11412	32122	24324		
		11321	32114					
4310026	Alycon	12141						
4310029	Allorgan	14143	21323	14232				
4310032	Allstar	11322						
4310037	Ambassador	13412						
4310041	Amplivision	14232	23211	22111	22413			
4310042	Amstrad	13412	11132	31121	21131	14233		
		22414	22333	23241	11322	32122		
4311094	Anam	11322	11132	12121				
4311268	Anam National	11322	14433					
4312090	Anex	23322						
4310044	Anglo	11132	21131					
4310045	Anitech	11132	12121	12141	21131	11322		
		21233						

4310047	Ansonic	22413	21321	12323	11132	11322		
		22423	13314	22114	23234	21114		
		14424	11141	23341	12331			
4310050	Apollo	24232						
4310053	Arc en Ciel	23144	24422	12342	14121	31431		
		22142	14123					
4310054	Arcam	14231	23144	14232				
4310057	Aristona	11322	31341	11141				
4310059	Arthur Martin	13314	23211	14342				
4310060	ASA	12332	22233	12123	12331	12224		
4310062	Asberg	11322	12141	12323				
4311095	Asora	11132						
4310070	Asuka	14233	21131	14231	21233	14232		
4310072	Atlantic	11322	14231	14143	21114	22111		
4310074	Atori	11132						
4310075	Auchan	13314	23211					
4310080	Audiosonic	11132	11322	12342	14232	22413		
		22212	21131	14233	23341			
4310081	Audioton	14232	22413	21131	23341			
4310084	Ausind	12141						
4310085	Autovox	12224	14143	14342	12141	22242		
		14232	14424					
4311156	AWA	11134	11321	11132	13242	22423		
		23241	11322	14231	32243			
4311081	Ayomi	14343						
4311098	AYR	31224						
4310091	Baird	12342	14112	22224	13443	14111		
		12131	12132	14232	14211			
4310093	Bang & Olufsen	31422	12224	21214				
4310094	Barco	22441	13314					
4310097	Basic Line	14233	11132	22423	11322	13314		
		21233	14232	24124				
4310098	Bastide	14232						
4310099	Baur	21344	31224	14114	31111	11322		
		31333	13444	22332	22242	24432		
		11133						
4311082	Bazin	14232						
4310103	Beko	22413	23341	11322	32243			
4311272	Bell & Howell	13233						
4310105	Beon	11322	23313					
4310106	Best	22212	22413	23322				
4310107	Bestar	11322	22413	22423				
4311513	Bestar-Daewoo	22423						
4310108	Binatone	14232						
4310110	Black Star	14424						
4310111	Blacktron	21233						
4310112	Blackway	21233						
4310113	Blaupunkt	31333	13444	31224	14114	14131		
		14222	22124	24111	24124			
4310114	Blue Sky	14233	21233	24124	11322	24324		
4310115	Blue Star	21233						
4310118	Bondstec	14424						
4310119	Boots	14232						
4310121	BPL	21233	11322					
4310123	Brandt	24422	12342	23144	14342	22142		
		14121	14123	21244	22144	31431		
		24224						
4311525	Brandt							
	Electronique	21244	22144	24422	31431			
4310126	Brinkmann	23313	11322	31124				
4311030	Brionvega	11322	12224	22333				

4310396 Indesit 14342 14222
 4310397 Indiana 11322
 4311343 Ingelen 24324 32313 13314
 4310398 Ingersoll 11132
 4310401 Inno Hit 11132 12131 11322 14233 21313
 14232 12141 31121 14424 12323
 4311311 Innovation 31124
 4311312 Interactive 23234
 4310404 Interbuy 11132 21131 14424 12121 11322
 4310405 Interfunk 11322 11141 12224 31111 21214
 22124 13314 22332 22413 24422
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 4310420 JEC 11314
 4312145 JMB 23434
 4310425 JVC 11422 13443 11321 14111 14112
 22414 14233 32243 23313
 4310427 Kaisui 14233 21233 11322 14231 24124
 14232 11132
 4310428 Kamp 14231
 4310429 Kapsch 14143 13314 22332 21114 12331
 4310430 Karcher 11322 23322 22413 21233 12323
 32313 21131
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 4311177 KB Aristocrat 13314
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 23341 22413 23234 32313 22432
 31124
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 4311181 Kotron 23241 21131
 4311732 Koyoda 11132
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 4311734 Kriesler 11141
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4311735 Kuba Electronic 21344
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4310648	Portland	22423		4310715	Saba	21244 14222 12224 23144 13314 12342 24422 31121 22224 22332 24413 14121 14123 22144 31431 24224
4311846	Powerpoint	24324		4311894	Saccs	14343
4310650	Prandoni-Prince	14424 31121 22332 14222 12141		4310718	Sagem	24124 32313 21233
4310651	Precision	14232		4310720	Saisho	14334 31121 13412 11132 11134 14232 23344 13314 21131
4310655	Prima	11132 21131 12121		4312208	Saivod	11322
4310656	Prinz	12131 11432 22242		4310722	Salora	21313 22242 13314 22321 22324 22332 22341 31121 22214 14211 21331
4310658	Profex	11132 13314 23344 22332 12141		4311896	Salsa	22144
4310659	Profi	11132		4310723	Sambers	14222 31121 12141 12323
4310660	Profitronic	11322 12323		4311340	Sampo	12321
4310662	Proline	22112 12131 11322 11141		4310724	Samsung	11322 31341 11132 14232 24111 22413 21131 12233 14231 21313 12131 14211 31124 14231 14232
4310664	Prosonic	11322 14231 22413 22423 32114 22414		4311139	Sanela	14343
4310665	Protech	11322 14232 11132 14424 22242 12323 21131 23344 23313 22212 21233		4310727	Sansui	11322 22414
4310669	Provision	24414 11322 31341		4312102	Santoni	11132
4310672	Pye	11322 22423 31341 11141 12224 31333		4310729	Sanyo	13233 14211 13242 21321 11321 11134 22413 22214 12131 14231 14232 12331 14222 11342 11132 13314 11322 31334 12341
4310673	Pymi	11132		4311318	Save	11322
4311067	Quadra Vision	23211		4310743	SBR	11322 31341 11141 14112 11334
4310677	Quasar	14424 14433		4310745	Schaub Lorenz	22242 32243 22332
4310678	Quelle	11322 11133 11134 24422 12342 31111 31224 22242 31333 13444 22332 11321 14232 14424 12133 22124 12123 12331 12332 13242 14114 14131 14222 21131 21313 21323 22233 23322 24432 11132		4310746	Schneider	11322 31341 11141 11432 21344 22242 31124 23133 22311 21114 22114 22224 14232 14424 22414 14233 22332 13314
4310679	Questa	11321		4311904	Scotland	13314
4310680	R-Line	11322		4311324	Sears	13233
4310682	Radialva	12342 14233 23344 13314 11322 22212		4310753	SEG	14232 21131 11132 14424 11321 12323 22333 13314 11322 14231 24324 22242 12141
4310684	Radiola	11322 31341 11141 22114 14232		4310754	SEI	12224 12323 11133 13314 31121 22242 14222 21323 21331 14143 11322 13412
4310685	Radiomarelli	12224 31121 14424 11322		4310755	Sei-Sinudyne	12323 14143 14222 21323 21331 31121 11133 11322 12224
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4310686	Radiotone	11132 11322 23341 22413 32114 23313 21131 23241		4310757	Sencora	11132
4310690	Rank	12123		4310759	Sentra	21221 11314 14233 11132
4311867	Rank Arena	11321		4311019	Serino	24124 32313 14231
4311869	RBM	12123		4310762	Sharp	12242 13242 11321 21323 11422 14112 31121
4310691	RCA	12242 22144 12233		4311914	Shintoshi	11322
4310693	Realistic	13233		4310769	Shorai	21323
4311016	Recor	11322		4310772	Siarem	13314 12224 12323 14222 31121
4312101	Rectiligne	11322				
4310695	Rediffusion	22332 11321				
4311017	Redstar	11322				
4311018	Reflex	11322				
4310698	Revox	11322 22413				
4310699	Rex	14143 23234 14424 13314 21114 21131				
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4311927 Sonawa 14211 22413 22214 14232
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4310804 Sontec 24432 11133 11134 11111 11321
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4310822 Stenway 14143 21114 13314 21131 23234
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4310916	Triumph	13412	31121	22233	31341	11322	
		14414					
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4312017	TVTEXT 95	31341					
4310919	Uher	12141	11322	11432	14143	22111	
		21344	22423	23313	22413	21114	
		14111					
4311148	Ultra	12224	12323	22423	14424	14231	
4310920	Ultravox	13314	14222	11322			
		11322	24232	24124			
4311024	Unic Line	11322					
4311215	United	11322					
4310929	Universum	22233	12332	31224	14114	24232	
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		11321	13242	12123	13314	21131	
		12331	11322	23322	23234	21313	
		12133	14222	22124	11133	24432	
		12141	22242	14232	24422	12342	
		22333	22212	13412	32424	31333	
		11132					
4310930	Univox	22212	12224	11322	13314	14343	
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4310937	Vestel	11322	13314	14232	31341		
4310938	Vexa	11132	11322				
4310939	Victor	11422					
4310942	Videologique	14231	14233	14232			
4312038	Videosat	14424					
4310943	VideoSystem	11322					
4310944	Videotechnic	14231	22111	14232	22423		
4311025	Videoton	22321	13314	23344			
4311322	Vidikron	12323					
4311330	Vidtech	11321					
4310947	Viper	22212					
4310949	Visiola	14231					
4310950	Vision	11322	22111	14232			
4310954	Vistar	21221	14143	22332			
4310956	Vortec	11322					
4310957	Voxson	12224	12141	11322	23313	13314	
4310958	Waltham	14232	21221	22321	23313	21244	
		23112	11322	12342	23344	24333	
4310959	Watson	11322	22111	13314	14233	14222	
		32114	31124	23133	11132		
4310960	Watt Radio	14222	12323	22242	13314	14231	
4310961	Wega	14222	11321	12224	11322		
4311026	Wegavox	11132					
4310963	Weltblick	11322	22111	14232			
4311245	Wharfedale	11322	31124				
4310967	White						
	Westinghouse	22111	14231	11322	22212		
4311027	Windstar	21233					
4310976	Krypton	11322					
4310979	Yamishi	21233	24124	14233	11322	14232	
4310980	Yokan	11322					
4310981	Yoko	14232	11322	14233	21131	11132	
		23344	23322	22413	22214	14231	
		14424					
4310983	Yorx	14233					
4310984	Zanussi	14143	14232				
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Video Recorders

Videorecorder

Magnétoscopes

Videos

Vídeo Gravadores

Videoregistratori

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4320012	Adyson	12131					
4320019	Aiwa	21414	11111	11332	14212	22311	
		11322					
4320020	Akai	12333	21434	11422	11332	11221	
		22311	14411	21242			
4320021	Akiba	12131					
4321029	Akitan	21324					
4320023	Akura	21144	12131	11332			
4320024	Alba	21223	12131	22142	22143	14212	
		22311	14111	11221	21324	11111	
		21434	12212				
4320029	Allorgan	14411					
4320032	Allstar	22113	12212				
4320037	Ambassador	11221					
4320042	Amstrad	11111	22122	22141	21223	12131	
4320045	Anitech	12131	22113				
4320047	Ansonic	11121					
4320057	Aristona	12212					
4320060	ASA	11322	12212				
4320070	Asuka	12131	11322	12212	11111		
4320080	Audiosonic	21223					
4320081	Audioton	11221					
4321501	AVP	22311					
4321156	AWA	11322	21223	11334			
4320091	Baird	12333	21223	12331	12334	11332	
		11111					
4320093	Bang & Olufsen	24414					
4320097	Basic Line	21223	14212	11221	12131		
4320107	Bestar	21223	11221				
4320109	Black Panther	21223					
4320113	Blaupunkt	14313	12212	13233	14314	13313	
		11123	14114	23214	11313		
4320114	Blue Sky	11322	14212	12131	22311	21223	
4320118	Bondstec	11221	12131				
4320120	Bosch	13233					
4320123	Brandt	11332	13434	14143	22111	22112	
		24342					
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 4320172 Clatronic 11221 12131
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 4320187 Condor 11221 21223
 4320197 Crown 21223 12131 11221 22113 21144
 4320204 Cyrus 12212
 4320205 Daewoo 21223 11221 11342 14212 22311
 4320207 Dansai 12131 21223
 4320210 Daytron 21223
 4320216 de Graaf 11333 13323 12212 12331 11411
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 4320214 Decca 11111 11332 12212 12114 14212
 4321459 Deitron 21223
 4320999 Denko 12131
 4321000 Diamant 11322
 4320235 Domland 14212
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 4320252 Elbe 21223
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 4320263 Elta 12131 21223
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 4320272 ESC 21223 14411 11221
 4320274 Etzuko 12131
 4320280 Europho 11221
 4320294 Fenner 11221
 4320296 Ferguson 12334 11332 22111 22112 11422
 24342 11111 21223
 4320299 Fidelity 11111 12131 21222 14411 22311
 4320301 Finlandia 12331 12212 11333 13323 11111
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 4320302 Finlux 11111 12212 12331 11333 12332
 4320304 Firstline 12131 14212 11334 11322 11342
 11333 12231 21223
 4320305 Fisher 11344 12331 11423 11343 11221
 4320307 Flint 14212
 4320319 Frontech 11221 22113 12131
 4320322 Fujitsu 11111
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 4320347 GoldStar 11322 11111 14312

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 4320352 Graetz 11332 12331 14411 22231
 4320353 Granada 12331 11343 11411 12212 21242
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 4320354 Grandin 12131 11322 11221 11111 21223
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 4320355 Grundig 11124 14114 12212 22234 14313
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 4321108 Hanimex 11322 14212 21223 12212
 4320362 Hanseatic 11221
 4320364 Hantor 12131
 4321084 Harwood 12131
 4320370 HCM 12131 22113
 4320377 Hinari 11121 12131 14211 14212 22311
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 4320380 Hisawa 14212 22311
 4321683 Hischito 11342
 4320381 Hitachi 11333 13323 12332 11332 21242
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 4320410 Irradio 12131 11322 12212
 4320415 ITT 12333 11332 11343 22231 23111
 12331 14411
 4320416 ITT Nokia 11411
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 4320432 Kendo 12333 14212 21434 11422 12131
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 4320443 Korpel 12131
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 4320451 Kyoto 12131
 4320454 Lenco 21223
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 4321072 LG 11322 14312 11111 21223
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Satellite Receivers

Satellitenempfänger

Récepteurs satellites

Receptores de satélite

Receptores de satélite

Ricevitori via Satellite

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4330013	Aegir	31131	
4330016	AGS	33241	34123
4330020	Akai	31114	14131
4331153	Akena	33241	
4330024	Alba	23322	31114 24124 14443 22333
		31124	32322 34132
4330027	Aldes	21311	22333 31124 31131
4330028	Allantide	22142	
4330030	Allsat	12114	14131 22341 13424
4330031	Allsonic	21311	22412
4330033	Alltech	32133	34132
4330034	Alpha	33241	14131
4330036	Altai	23141	
4330039	Amitronica	34132	
4330040	Ampere	22411	23141
4330042	Amstrad	22232	24142 12211 14441 14414
		22213	34132 23141 24422 41234
4330044	Anglo	34132	
4330046	Ankaro	21311	14232 22412 14241 31124
		34132	33421
4330049	Anttron	23322	13424 32322
4330050	Apollo	23322	
4330056	Arcon	22411	14232 22422 33421 22141
4330058	Armstrong	14414	14131
4330060	ASA	23142	
4330061	Asat	22422	14131
4331154	ASLF	34132	
4330064	AST	22244	22112
4330065	Astacom	33241	34123
4330067	Aston	24133	
4330068	Astra	12341	22422 31213 31234 31123
		22231	31112 14414 22233
4330069	Astro	13342	22323 31131 32322 22412
		24422	33213
4330071	Athens	33241	
4331036	Atlantide	22142	
4330081	Audioton	22341	32322
4330082	Aura	31234	

4320809	Soundwave	11322	14212
4321143	Ssanyong	12131	
4320813	Standard	21223	
4320817	Starlite	11322	12331
4320823	Stern	21223	
4320824	Strong	21144	
4320828	Sunkai	14212	21324 21223
4320831	Sunstar	11111	
4320832	Suntronic	11111	
4320833	Sunwood	12131	
4320839	Supra	11322	14411
4320843	Symphonic	11111	12131
4320847	Taisho	11121	14212 12231
4320849	Tandberg	21223	
4320852	Tashiko	11111	11411 14411 12212 11322
4320853	Tatung	11111	11332 12212 11422 11411
		11334	14212 22311
4320854	Teac	12131	11332 11111 21223 11322
		12212	23214 21414
4320855	TEC	11221	21223 12131
4321320	Tech Line	12131	
4320859	TechniSat	14212	
4320866	Teleavia	11332	13434 24342
4320872	Telefunken	13434	11332 22111 22112 23111
		24342	24343 21223
4320884	Teletex	22113	12131 21223 11111
4321334	Tempest	11221	
4320890	Tenosal	12131	
4320891	Tensai	11111	22113 11322 12131 11121
4321461	Tevion	14212	
4320895	Thomson	11332	23111 22111 14143 22112
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4320897	Thorn	11332	12331 11322
4321997	Thorn-Ferguson	12334	22111
4320900	Tokai	12131	11322 11332 12331
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4322006	Tracton	11221	
4322110	Trakton	11221	
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4320919	Uher	11322	14411 22231
4320920	Ultravox	22231	21223
4320924	Unitech	14411	
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	Quick Star	21223	
4320929	Universum	11111	22122 12212 14411 11322
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		23214	12331
4320939	Victor	12114	
4320959	Watson	12212	22311
4320963	Weltblick	11322	
4320967	White		
	Westinghouse	22231	
4320977	Yamaha	11332	
4320979	Yamishi	12131	21223
4320980	Yokan	12131	
4320981	Yoko	11322	12131 11221 14411
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 4330095 Barcom 12341 14232
 4330103 Beko 24124
 4330106 Best 14232 22412 24133
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 4330198 Cryptovision 24124
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 4330208 Dansat 12114 13424
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 4330213 DDC 22333
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 4330227 Discovery 33241 34123
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 4330229 Disk Express 14232
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 4330233 DNR 33421
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 4330250 EIF 23312
 4330251 Einhell 22142 14414 23322 21311 14441
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 4330255 Elekta 31131
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Cable Converters

Kabelsignalumwandler

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* Excludes a few models in the LS, LX and MX series.

* Ausschließlich einige Modelle der LX, LS und MX Serie.

* Exclut quelques modèles de la serie LX, LS et MX.

* Excluye unos pocos modelos de la serie LX, LS y MX modelos.

* Exclui alguns modelos da série LX, LS y MX.

* Sono esclusi modelli della serie LX, LS e MX.

* Exclusief een paar modellen in de LX, MX en LS serie.

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