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URC-6210/6211

Universal remote

Universal Fernbedienung

Télécommande universelle

Mando a Distancia Universal

Telecomando Universal

Telecomando Universale

Universele Afstandsbediening

Univerzální távvezérlő

Uniwersalny pilot zdalnego sterowania

Univerzální dálkové ovládání

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SET UP

(To set up the ZAPPER for your Television)

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SET-UP CODES

Television	82
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Installing the batteries

The ZAPPER needs 2 new "AAAA" 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.

Features and Functions

1 POWER (red LED – Light Emitting Diode)

The POWER key operates the same function it did on your original remote control. The LED underneath the POWER key will light up red whenever a key is pressed.

2 CHANNEL +/-, VOLUME +/- and MUTE

The CH +/- and VOL +/- keys operate just as those on your original remote control. These keys are also used to set up your ZAPPER.

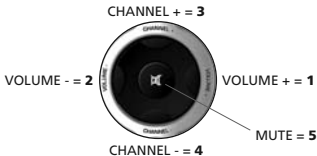
3 MAGIC

The MAGIC key (= setup key) is used to set up your ZAPPER.

Direct code set up

To set up the ZAPPER for your Television follow the instructions below.

- 1 Find your Television code in the Set-Up Code section (page 82-101). Codes are listed by brand name. The most popular codes are listed first.
- 2 Make sure your TV is switched on (not on standby).
- 3  Press and hold the **MAGIC key until the LED blinks twice** (The LED underneath the POWER key will blink once then twice).
- 4 Enter your 5-digit code according to the chart below.
The LED underneath the POWER key will blink twice.



- 5  Now, aim the ZAPPER at your Television and press POWER. If your Television switches OFF, your ZAPPER should be ready to operate your device.

- 6 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 1-5 using another code listed under your brand.

For example: To enter a Sony TV code 33121, you would press CHANNEL +, CHANNEL +, VOLUME +, VOLUME -, VOLUME +.

If your television does not respond to the ZAPPER after you have tried all the codes listed for your brand, try the Search Method described on page 6.

Make sure you write your correct 5 digit code in the boxes provided on this page.

Important notes:

- Some codes are quite similar. If your television does not respond or is not functioning properly with one of the codes, follow steps 1-5 with each code listed for your brand.
- If none of the codes listed for your brand operate your television, follow the Search Method described in the next section. The Search Method can be used even if your brand is not listed at all.
- Write the code for your TV in the boxes provided below for easy future reference.

TV Code

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Search Method

If your Television does not respond to the ZAPPER after trying all the codes listed for your brand, try searching for your code. To search for your TV code:

- 1 Turn on your TV.
- 2 Press and hold the **MAGIC key until the LED blinks twice** (The LED underneath the POWER key will blink once then twice).
- 3 Next, press the **MUTE, CHANNEL -, CHANNEL -**.
- 4 Point the ZAPPER at your television. Next, alternate between **POWER** and **CHANNEL -** until your Television turns off. You may have to press these keys many times (up to 150!), so please be patient. Remember, you must aim the ZAPPER at your device the entire time you are searching for your code.
- 5 **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 device 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.

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 handy to know your Television 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:

- 1** Press and hold the **MAGIC key until the red LED blinks twice** (the LED underneath the POWER key will blink once then twice).
- 2** Next, press **MUTE, CHANNEL -, CHANNEL +**.
- 3** For the **first digit** of your **5-digit code**, press **VOLUME +** and count the red blinks.
- 4** For the **second** digit, press **VOLUME -** and count the red blinks.
- 5** For the third digit, press **CHANNEL +** and count the red blinks.
- 6** For the fourth digit, press **CHANNEL -** and count the red blinks.
- 7** For the **fifth** digit, press **MUTE** and count the red blinks.

Write the code for your TV in the boxes provided on page 5.

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 television?	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.
You cannot reach channel 10 and above on your TV.	If your original remote did not have CHANNEL +/- keys, the ZAPPER may not operate this function.
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.
LED does not blink when you press a key?	Replace batteries with 2 new "AAAA" alkaline batteries.

Customer Service

In the UK

E-mail : ofahelp@uebv.com (*)
Fax : +31 53 432 9816
Tel. : 0901-5510010 (£ 0,50 per minute)

In Ireland

E-mail : ofahelp@uebv.com (*)
Fax : +31 53 432 9816
Tel. : 016015986

In Australia

E-mail : ofahelp@uebv.com (*)
Fax : 03 9672 2479
Tel. : 1 300 888 298

In South Africa

E-mail : support@oneforall.co.za
Fax : 011 298 2302
Tel. : 0860 100551
Tel. : 011 298 2300

In New Zealand

E-mail : ofahelp@uebv.com (*)
Fax : (06) 878 2760
Tel. : 0508 ONE 4 ALL (663 4 255)

(*) Just send a blank message, you'll get auto-reply.

TV

888	13135	14233	
A.R. Systems	15322	13555	
Accent	11233	15322	
Acer	31435		
Acura	11125		
Adcom	21111		
Addison	21214	11524	
Admiral	11444	12234	14244
	11433	13135	
Advent	23112		
Adyson	12443	12442	
AEG	15522		
Agashi	12442	12443	
AGB	15142		
Agef	11433		
Aim	11233	15322	
Aiwa	21421	21412	41242
	41224	33121	
Akai	11125	13532	12424
	15322	11233	13552
	14324	12342	12444
	13245	11353	12234
	14233	21435	15142
	21515	21253	21441
	33233	15513	22114
	15254	21551	14521
	12443	21122	12442
	13135	12314	14113
	15522	24233	41224
	14454	21154	25554
	41331		

Akiba	12444	13223	14421
	11233	15322	13245
Akira	14244		
Akito	13153		
Akura	12444	13135	
Alaron	12442		
Alba	11125	11233	15322
	11232	12444	13552
	21244		
Alfide	21253		
Allorgan	13245	12443	
Allstar	11233	15322	
Amplivision	12443		
Amstrad	11125	11233	15142
	13135	13533	13552
	12444	14233	14324
	15322	24233	21154
	31355	41523	
Anam	11125	22532	
Anam National	21211		
Andersson	25234	25155	
Anglo	11125	13135	
Anitech	11125	13135	11233
	15322	13223	
Ansonic	13551	11233	15322
	11125	21244	13555
	12234	13243	14232
	12553		
AOC	11125	11331	11444
	11524	12314	
Aolingpike	13135	14233	
Apollo	14454		
Arcam	12442	12443	
Ardem	14532	11233	15322
Arena	11233		

Aristona	15322	11233	
ASA	11521	13452	11351
	11433	12234	
Asberg	11233	15322	
Asora	11125		
Asuka	12444		
Atlantic	11233	15322	12442
Atori	11125		
Audio sonic	11233	11525	15322
	21435	21441	12443
	13551	13135	12444
	14532		
Audioton	12443	14532	13551
	13135		
Autovox	11433	15245	12533
	13455	12443	12553
	13432		
AVP	41224		
AWA	11125	12223	
Axxent	11125		
B&D	25443		
Baier	23112		
Baihe	11125	13135	14233
Baile	11112	11125	13555
	21232		
Baird	13444		
Bang & Olufsen	15341	11433	
BaoHuaShi	13135	14233	
Baosheng	11125		
Barco	12234		
Basic Line	11125	13555	11233
	12444	12234	21244
	15322	13223	12443
	14421	13435	24233
Bastide	12443		
Bauer	33541		

Baur	11233	13532	15133
	15231	15245	15315
Beaumarck	12314		
Beijing	11112	11125	12424
	12512	13135	13555
	14233	21232	22352
Beko	13551	21435	14532
	21441	11233	15322
	15522	22324	34213
Bennett	15322	11233	
Beon	11233	15322	14244
Best	13551		
Bestar	11233	15322	13551
	13555		
Binatone	12443		
Black Diamond	24233	15322	25234
Blackway	13223	12444	
Blaupunkt	12351	15315	12342
	15231	12411	13413
	14421	12251	11232
Blue Sky	11233	12444	15322
	21244	21435	24233
	14533	21441	41225
	13223	14421	41224
	25342	22324	31534
Blue Star	13223		
Bondstec	12553		
Boots	12443	13153	11125
Bosch	13413		
BPL	11233	13223	15322
	23152		
Brandt	11525	21111	13431
	12533	12352	13444
	15331		
Brandt Electronique			13431

Brinkmann	11233	15322	21244
	15145	14244	14532
Brionvega	13533		
Britannia	12442		
Brother	13135		
Bruns	11433	14532	
BSR	12234	13245	13532
BTC	12444		
Bush	11125	11232	11233
	12444	13153	13223
	13552	13555	15145
	21244	21354	24233
Caihong	11125		
Caishi	23142		
Canton	12444		
Capsonic	13135		
Carad	15531	11233	15322
	21244	24233	
Carrefour	11232	11351	11233
	15322		
Carver	12251		
Cascade	11125	11233	15322
Casio	11233	15322	12234
	13455		
Cathay	11233	15322	
CCE	11233	12443	
Celestial	22345	22351	22352
Centrex	22221		
Centrum	24233		
Centurion	11233	15322	
Century	11433	12553	
CGE	11355	12553	14244
	13551	12234	
Changcheng	11112	11125	13135
	13555	14233	21232
Changfei	11125	13555	

Changfeng	13135	14233	22114
Changhai	11125		
Changhong	22351	11125	13135
	15124	22352	
Chengdu	11125		
Ching Tai	11125		
Chun Yun	11125		
Chunfeng	11125	13135	
Chung Hsin	11524	11232	
ChungFeng	14233		
Chunsun	11125		
Cimline	11125	12444	
Cinema	21253		
Citizen	11331		
City	11125		
Clarivox	11233	14244	15322
	11351		
Clatronic	11233	12553	13551
	13552	21435	12444
	13135	15322	12443
	11125	21154	15522
	31355	25234	34313
Clayton	24233		
CMS	12442		
CMS hightec	12443		
Combitech	41224		
Concorde	11125		
Condor	11233	13551	15322
	12442	11125	13223
	12553	14244	14232
	12234	13135	
Conrad	11233	15322	
Conrowa	11125	13135	14233
	21354	22114	25251

Contec	11125	12442	11232
	12223	11132	13135
	11233	15322	
Continental			
Edison	11525	12533	12352
	14533		
Cosmel	11125	11233	15322
Crosley	11433	11355	12553
	12234		
Crown	11125	11233	13551
	14532	15322	14244
	14533	21435	15522
	21253	21441	12424
	21214	13435	24233
	34213		
Crown Mustang	21253		
CS Electronics	12442	12444	12553
CTC	12553		
Curtis Mathes	11331	11444	
Cybertron	12444		
D-Vision	41523		
D.Boss	32455	11233	
Daewoo	21125	21232	13555
	41225	11233	15322
	11125	12442	12444
	12443	25133	12314
	12251	41213	41224
	23121	11524	31323
	33454	23112	33533
	22541	21354	21253
Dainichi	12444	12442	
Danichi	12444		
Dansai	11233		
Dansette	14233		
Dantax	13551	14532	21435
	15522	21441	41224

Daytek	25423	32112	31555
Dayton	11125		
Daytron	11125	13555	11233
	15322		
Dayu	13555	21232	
de Graaf	12424	11245	15254
	12234		
DEC	22251		
Decca	11233	11353	13153
	15142		
Denon	15412		
Denver	11233	15322	15522
	25335	15433	31355
	34313		
Desmet	11233	15322	11125
	11433		
DiBoss	11233	15322	
Digatron	11233		
Digiline	11233	15322	11521
	21244		
DigiX	23121		
Dixi	11125	11233	15322
	12553	12443	11433
DMTECH	41435	31434	
Domland	14145		
Dongda	11125		
Donghai	11125		
Doric	13455		
Dream Vision	34415		
DTS	11125		
Dual	15145	15245	13455
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	11233	15322	13513
	14145	12234	25133
	21122	25155	24233
Dual Tec	12443		

Dumont	11433	11351	12443
	11353		
Dunai	15245	12234	
Durabrand	11233	12314	15322
	34213		
Dynatron	11233	15322	
e:max	31355	15522	
ECE	11233	15322	
Edison-Minerva	14533		
Elbe-Sharp	15142		
Elekta	11125	11233	15322
	13135	13223	
Elin	11233	12442	15254
	15322	11521	13532
	13455	12234	11125
Elite	12444	11233	15322
Elta	11125	13135	12442
Emco	12553		
Emerson	12314	11433	12553
	11233	15322	13552
	11351	13223	13532
	41225	14532	13551
	12234	13352	21244
Erres	11233	15322	
ESC	11233	15322	12443
Estèle	12234		
Ether	11125		
Etron	11125	11233	15322
	22351	12234	
Eurofeel	13135	12443	
EuroLine	11233		
Euroman	12442	13135	11233
	15322	12443	13551
Europa	11233	15322	

Europhon	11233	15142	12234
	12443	15322	12553
	12442		
Expert	12234		
Feilang	11125		
Feilu	11125		
Feiyan	13135	14233	
Feiyue	11125		
Fenner	13555	11125	
Ferguson	11233	11525	13431
	13444	15331	
Fidelity	12442	13532	15245
Filsai	12443		
Finlandia	12424		
Finlux	11233	11521	11351
	11353	15322	21435
	13452	14232	15142
	12443	12234	21441
	11433	21122	14543
	14521	33322	14454
	14244	15522	15552
	22324		
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Firstline	11125	11233	12442
	15322	12443	13555
	12553	21244	13352
	21435	12234	13245
	41225	14232	15245
	13455	11353	12424
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	22324	31534	25234
	31552	33533	
Fisher	12443	11232	12424
	13551	15245	11251
	11433	12223	13532
	12234	13455	11353

Flint	14421		
Force	25155		
Formenti	11233	12234	15322
	14532	12442	11433
Formenti-Phoenix	12442		
Fortress	11444	11433	
Fraba	11233	15322	13551
Friac	11125	11233	15322
	13551	21221	15531
Frontech	12234	12553	13135
	13455	12443	11125
Fujitsu	21324	22514	11353
	12443	12234	11125
	13513	11233	15322
	13532		
Fujitsu General	11125	12443	12234
Fujitsu Siemens	31254	25554	25234
	22324	34242	
Funai	21244	13135	13245
	14233	33451	34242
Furi	13135	14233	
Future	11233	15322	
Galaxi	11233	15322	13532
	12234		
Galaxis	13551	14244	11233
	15322		
Galeria	11125		
Gateway	35122		
GBC	12234	11125	13555
	12444		
GE	13444	12314	13223
	15331		
GEC	11233	12234	13532
	11353	13455	12443
	15142	15322	

Geloso	11125	12553	12234
	13555		
General Electric	13444		
General Technic	11125		
Genexxa	12234	12444	11233
	15322	14233	11125
Goldfunk	21244		
GoldStar	11112	11233	11125
	12314	13551	14113
	12443	12553	15322
	12442	12234	13532
	11525	15522	11245
	21435	21441	14421
Gooding	14533		
Goodmans	11232	25554	11233
	11353	12443	13444
	13552	13555	21125
	41225		
Gorenje	13551		
GPM	12444		
Gradiente	12251		
Graetz	12234	13532	13552
	11233	13435	15322
	25234		
Gran Prix	21154		
Granada	11233	11251	11353
	12424	12443	13435
	15142		
Grandin	13223		
Grundig	12351	15231	11233
	11351	12342	14533
	15315	15322	15433
	14344	21253	21422
	12533	11125	11232
	13551	41331	41224
	25454	41242	31324
	12314	32112	13444
	34243		

H&B	22324		
Haier	33541		
Haihong	11125		
Haiyan	13135	14233	
Halifax	13135	12442	12443
Hallmark	12314		
Hampton	12442	12443	
Hanimex	12444		
Hankook	12314		
Hannspree	33534		
Hanseatic	11233	13532	15245
	15322	21232	
Hantarex	11125	15142	11233
	15322	31434	32441
	32442		
Hantor	11233	15322	
Harsper	22541		
Harwa	25352	31145	
Hauppauge	11233	15322	
Havermy	11444		
HCM	11125	13223	14233
	11233	15322	12443
	12444	14244	13135
Hedzon	15322	11233	
Hema	12443	11125	
Highline	13135	11233	15322
Hinari	11125	11232	11233
	12444		
Hisawa	13223	14421	
HiSense	31534	11125	15124
	22114	22352	25251
	25424	22221	15322
Hit	11433		

Hitachi	12511	11125	13455
	15414	11232	11245
	14454	12234	13444
	12352	12443	11525
	15412	12223	12314
	15142	11353	14522
	11233	15124	15322
	15254	21445	21125
	21545	24233	25133
	25251	11521	14543
	32522	13532	15133
	14521	24251	21533
	33412	25155	32525
	23113		
Hitachi Fujian	11524	12511	15412
HMV	11433		
Höher	21435	33322	22541
	25234		
Hongmei	11125	11444	13135
Hongyan	13135	14233	
Hua Tun	11125		
Huafa	11125		
Huanghaimei	11125		
Huanghe	11125		
Huanglong	11125		
Huangshan	11125	13135	14233
Huanyu	12442	13555	13135
Huaqiang	13135	14233	
Huari	13135	14233	
Hyper	11125	12442	12443
	12553		
Hypersonic	13532		
Hypson	11233	13135	15322
	13223	21435	21441
	12443	14421	41224
	24233	21244	14532

Hyundai	21422	22541	31245
	23112	31222	33454
	33322	33223	33533
	32455	32112	
Iberia ICE	11233	15322	
	12443	13135	11233
	13552	11125	15322
	12444	12442	
Ices IIsonic Iiyama Imperial	12444		
	32112		
	25443	23141	
	11233	11355	12234
	12553	13551	14244
	15322	14232	13532
	13455	12352	
	Imperial Crown	11112	11125
13555		14233	21232
12533			
Indesit Indiana InFocus Ingelen		11233	15322
	25235		
	12234	14533	15531
	21435	13532	
Inno Hit	11125	11353	15142
	11233	15322	12444
	12443	12553	13223
	25234		
Innova Interactive	11233		
	11233	15322	11433
	15133	13413	12234
	13532	13551	11525
Interbuy	14232		
	11125	11233	13135
	12553	15133	15322
	Interfunk	11233	12234
13532		15133	

Internal	11233	15322	13555
	41225		
International Intervision	12442		
	11233	13223	12443
	14421	13135	13552
	14113	15145	14532
	13551	14145	14533
	12444	12234	12553
	11125	15322	
	21354		
IRT Isukai	12444	11233	15322
	13223	14421	
ITC ITS	12443		
	11233	13552	12444
	13223	13135	12442
	11125	15322	
	12234	13532	14521
	13455	15245	15254
ITT	14454	13452	13435
	12424	15531	
	13532	15254	12234
	14454	14521	13455
ITT Nokia	13452	12424	13435
	15522	15531	21122
	11232	33134	33132
	11125		
Jean	11125	13135	14233
	12424	12512	
	11125	13135	14233
	11125	13135	14233
Jialicai Jinfeng Jinque Jinta Jinxing	11125	13135	21354
	22352		
	15322		
	Jubilee Juhua	13135	14233

JVC	21214	11232	13552
	15124	15522	21324
	12444	14244	11444
	21211		
Kaige	11125	13135	14233
Kaisui	11125	12442	12443
	12444	13223	
Kamp	12442		
Kanghua	23152		
Kangli	11112	11125	13135
	13555	21232	
Kangyi	11125	13135	14233
Kapsch	12234		
Karcher	11233	15322	13551
	15531	12234	13223
	13135	22214	21435
	33322	15522	
Kathrein	15322	11233	
Kawasho	12442		
Kendo	11233	15531	13533
	15322	12234	15145
	15133	13551	14113
	14232	12553	21154
	24233	14532	
Kennedy	12234	14331	
Kingsley	12442		
Kioto	15322	21422	
Kiss	22311		
Kiton	15322	11233	21244
KLL	11233		
Kolin	11524	11232	
Kolster	11233	15322	13455
	12553	12444	
Kongque	11125	13135	

Konka	11233	15322	13552
	21435	14244	12444
	22115	22251	
Kontakt	14533		
Korpel	11233	15322	
Kotron	14233	13135	41211
Koyoda	11125		
KTV	12443		
Kuaile	11125	13135	14233
Kuba	13455	12234	
Kuba Electronic	13455	12234	
Kulun	11125		
Kunlun	12424	12512	13135
	13555	21232	
Kyoshu	14233	14244	13135
Kyoto	12234	12442	12443
LaSAT	14532	13551	
Leader	11125		
Lemair	14232		
Lenco	11233	11125	12234
	13555	15322	15433
	24233		
Lentec	33222		
Lesa	12553		
Levis Austria	11233	15322	
Lexsor	25352		
Leyco	11233	13135	11353
	15322	13245	
LG	12314	11112	11233
	13551	14113	15322
	11125	21435	12443
	12442	21145	11331
	12234	11524	15522
	11525	21354	21441
	34133	25342	12553
	13532	34234	34444
	34322		

Liesen & Tter Lifetec	11233	13413	15322
	11233	11125	15145
	13555	21244	15133
	21221	24233	25133
	15322	12444	13135
Loewe	21324	25554	21435
	15133	21124	22241
	11233	15322	21221
	13551	11433	13243
	13533	15142	
Logik	11112	11132	13552
	23121	25443	24233
Logix	21244	15145	
	13135	14233	
Longjiang	11233	12234	14232
	15322	13555	11125
Luma	13533		
	11233	15322	13533
Lumatron	12234	13532	12443
	13135	11354	
Luxor	12533	13532	14521
	14543	13455	12424
	15254	12234	13452
	14454	24233	12443
	21122		
LXI	12314		
Madison	11233	15322	
	12553	15142	15245
Magnadyne	15142		
Magnafon	11233	15322	11232
	21422	22221	
Magnavox	21154	21435	11233
	15322	21441	31235
Magnum	13135		
Mandor	11233	12443	15322
Manesth	13135	13245	12234

Manhattan	11233	15322	21244
	24233	12234	22214
Maqma	34112	31254	
	11233	15322	14233
Marantz	33223		
	11233	15322	12443
Mark	12442	13555	11125
	21435	21441	
Masuda	13552		
Matsui	11125	11132	11232
	11233	11353	12424
	12443	13153	13552
	14344	14533	15142
	15245		
Matsushita	21211		
Maxim	41523	33322	
Mediator	11233	15322	
Medion	11233	21244	21435
	24233	22324	15145
	15322	15133	25133
	21354	41224	41211
	25554	23121	31235
	41242		
Megas	15531		
Megatron	12314		
MEI	24233	11233	15322
Meile	13135	14233	
Meletronic	11125	13452	11233
	15133	11525	13444
	12234	12553	11521
	12443	13555	14521
	14543	12442	14232
	13455	15322	21125
	13532	12342	12351
	21232	21435	34213
Memorex	11125	12314	24233

Memphis	11353	11125	
Mercury	11112	11233	11125
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Metronic	21111		
Metz	14134	15231	14353
	21552	11433	25234
	12351	15315	12342
	11233	15322	21244
	24233		
MGA	12314		
Micromaxx	11233	15322	21244
	24233	22324	
Microstar	22324		
Minato	11233	15322	
Minerva	11351	14533	15231
	12351	15315	12342
	12533	15142	11524
Minoka	14233	11233	15322
Mirai	34242		
Mitsubishi	11524	15133	11233
	11433	12314	11232
	12533	11444	15231
	15322	12424	24233
	32144		
Mitsuri General	12234		
Mivar	12442	13243	15142
	13551	15525	12443
Monaco	11125		
Morgan's	11233	15322	
Motorola	11444		
MTC	13551	13455	11331
	15133	12234	12442
	13532		
MTEC	13153		
MTlogic	31324		

Mudan	11125	12424	12512
	13135	14233	
Multitec	11233	15322	14532
	21244	24233	33322
Multitech	11125	13455	12442
	14532	11233	12443
	13551	15322	12553
	13135		
Murphy	12442	11353	12234
Myryad	15322	11233	
NAD	12314	13532	
Naiko	11233	15522	15322
Nakimura	13555	11233	15322
Nanbao	11125	13135	14233
Nansheng	13135	14233	
Naonis	12234		
National	12512	12424	15124
NEC	12251	25251	12314
	31151	11125	11232
	14421	13555	12443
	11233	15322	11132
	13135	14233	12533
	15124	34415	21214
	21232	21421	
Neckermann	11233	12342	15315
	13551	15322	33121
	12411	12234	13413
	14244	13455	11433
	12553	12443	14232
	15133		
NEI	11233	15322	13552
	12234		
Neovia	22541	41435	31552
	23112	32112	32125
	31434		
Nesco	12553	41224	

Netsat	11233		
Neufunk	11233	11125	15322
	15531	12444	13223
	21435		
New Tech	11233	11125	15322
	13444	12443	
Newave	11125	12314	11444
Nfren	22311		
Nicam	15245		
Nicamagic	12442		
Nikkai	34313	11233	11353
	12442	12444	13135
Nikkei	21435		
Nikko	12314		
Noblisko	11351	12442	
Nokia	13532	12234	14454
	14521	13455	15254
	15522	14543	21122
	13435	12424	13555
	13452	15531	11525
Nordmende	11525	13444	15331
	12352	12351	11233
	15322	13431	12234
	25554		
Norfolk	12234		
Normerel	11233	15322	
Novak	11233	15322	
Novatronic	11233	11521	13555
	15322		
Oceanic	12234	13532	13245
	12424	14454	15254
	14521		
Odeon	13135		
Olidata	32112		
Omega	13135		
Onida	21214		

Onwa	13552	12444	14324
Optimus	21211		
Optonica	11444		
Orbit	11233	15322	
Orion	11233	14344	15322
	21435	21221	13352
	13245	11132	15142
	11125	15245	13135
	14233	41242	41224
	23121	25352	
Orline	11233	12444	15322
Ormond	21244	24233	11233
	15322		
Orsowe	15142		
Osaki	11353	12443	12444
	13135	14233	
Osio	11233	15322	
Oso	12444		
Osume	12223	11353	11232
	12444	11233	15322
Otto Versand	11232	11233	12443
	13444	15133	15231
	15315	15322	
Pace	41224		
Pacific	11233	15322	25133
	21435	24233	14344
	31355		
Pael	12442		
Palladium	13551	11233	14244
	21221	14232	21435
	25133	12342	33121
	12411	15315	15322
	13455	12553	13413
	11433	12234	15145
	12443		
Palsonic	22154		

Panama	11125	12443	13135
	12442	11233	15322
	12553		
Panasonic	21211	12512	34211
	34132	11233	31331
	15322	12234	12424
	13532	15124	12533
	23152	15142	15254
	11112	22514	12314
	11331		
Panda	11125	12424	12512
	13135	14233	15124
	21354	22352	
Papouw	11233	15322	
Pathe Cinema	12234	12442	13243
	13455	13551	
Pathe Marconi	11525	12352	12533
Pausa	11125		
Peng Sheng	23142		
Penney	11331	12314	
Perdio	11353	12234	11233
	12442	13223	15322
Philco	11433	11355	14244
	12553	11233	15322
	12234	13551	12314
	15145	14522	
Philex	12234		
Philharmonic	12443		
Philips	11233	15322	15315
	12342	11433	13444
	12314	11524	13555
	15521	22153	11125
	12411	35122	33122
	13532		
Phocus	31235	31324	21435
	34213		

Phoenix	11233	15322	13551
	14532	12234	11433
	11353	12442	
Phonola	11233	15322	11433
	12442		
Pioneer	11233	11525	12234
	21315	15322	31131
	13551	13444	13532
	14532	15133	
Pionier	13551	14532	
Plantron	11233	15322	13135
	11125		
Playsonic	21435	11233	12443
	13435	21441	34213
Policom	11525	12352	12533
	13532	12234	11351
	11355	11433	15231
Poppy	11125		
Portland	13555	41225	
Powerpoint	14533	11233	15322
	21354	23145	
Prandoni-Prince	12553	15142	13532
Precision	12443		
Prima	11125	13135	14233
	31145		
Prinz	11353	15245	13455
	13532		
Profex	11125	12234	13532
Profi	11125		
Profitronic	11233	15322	
Proline	11233	13352	15322
	21111	21125	14232
	11353	15552	32112
Prosonic	11233	15322	13551
	13555	13552	21244
	21435	12442	12443

Protech	11125	11233	15322
	12443	12553	13135
	13455	14244	21244
	13223	12234	14532
	24233		
Proton	11112	11125	21145
	12314		
Provision	11233	15322	24233
	21435	31355	
Pye	11233	15322	11433
	15315	13555	13455
Pymi	14233		
	11125		
Qingdao	12424	12512	13135
	14233		
Quasar	12553	22541	21211
	11125		
Quelle	11132	11233	33121
	11351	11355	13532
	14233	11525	15231
	15245	15133	15315
	13455	12342	11232
	12443	12553	13413
	11521	21244	15322
	12223	12351	12411
	13135	24233	13245
	13452	11125	
	11232		
Questa	11233		
R-Line	11233		
Radiola	11233	15322	12443
Radiomarelli	11433	15142	12553
	11233	15322	
RadioShack	11233	15322	12314

Radiotone	11125	11233	15322
	13551	14244	14233
	21154	21244	13135
	24233		
Rank	11351		
Rank Arena	11232	12223	
RBM	11351		
RCA	11331	12314	15544
	21315		
Realistic	12314		
Recor	11233	15322	
Rectiligne	11233	15322	
Rediffusion	13532	15254	11232
	13452		
Redstar	11233	15322	
Reflex	11233	15322	24233
	21244		
Relisys	22541	23112	23113
	25423	31254	32112
	33454	33533	
Reoc	21435		
Revox	11233	15322	13551
Rex	12234	13135	14232
	12553		
Rhapsody	12442		
Ricoh	11233	15322	
Roadstar	11125	24233	12444
	13135	14244	11233
	15322	21435	21244
	13223	41242	25335
	41211		
Robotron	11433		
Rowa	11233	13135	11125
	12443	21354	12442
	21433	15433	15322
	13551	14233	13431
Royal Lux			

Rukopir	15322	11233	
Saba	11525	21111	12234
	15331	13431	13444
	11433	15142	13532
	14554	12352	15254
	21211	21435	
Sagem	15531	14421	13223
	22421	31334	15544
	33452		
Saige	11125		
Saisho	11125	11132	13135
	15142	15245	
Saivod	11233	15322	21244
	21433	24233	
Sakaï	12234		
Salora	12234	13532	13455
	15254	15142	13435
	12424	14521	15552
	21122		
Salsa	13431		
Sambers	15142		
Sampo	11125	11232	11444
	12314	21211	
Samsung	15544	21145	11331
	15433	11233	15322
	25555	11125	25531
	12443	13551	13135
	12314	12442	11353
	12424	15145	12234
	12512	21111	33425
	33545	22352	32424
Sandra	12442	12443	
Sanjian	13135	14233	
Sansui	11233	21221	15322
	21422	13552	21515
	22532		

Santon	11125		
Sanyo	12424	25424	12223
	13243	11132	11232
	11251	13551	13435
	11353	12442	12443
	14233	11125	15124
	15245	12234	11233
	11524	15322	14532
	12251	24233	
Sanyuan	11125	11444	
Save	11233	15322	
Saville	41224		
SBR	11233	15322	
Schaub Lorenz	13532	15254	21435
	13455	15522	14532
	13555	25342	31355
Schneider	11233	25133	12444
	12553	15322	13552
	15145	15245	21244
	13455	14145	13513
	13432	13444	12443
	13532	24233	12234
	21154	21435	41225
	41224	41523	41242
	11351		
Scotch	12314		
Scotland	12234		
Scott	25335	12314	
Sears	12314		
Seaway	21125		

SEG	11232	11233	12443
	15322	13135	24233
	21244	14533	11125
	13455	12234	21125
	12553	13533	12442
	25234	12444	41225
	21435		
SEI	11433	15142	33121
	15245	12234	13455
	13245	11233	15322
Sei-Sinudyne	13245	15142	33121
	15245	11233	15322
	11433		
Seleco	12234	13533	14232
	13552	11232	13135
	13452	14331	
Sencora	11125		
Sentra	12444	11125	13455
Shancha	13135	14233	
Shanghai	11125	12424	12512
	13135	14233	
Sharp	11444	11125	25344
	12223	11232	13245
	13122	21214	21211
	15142	12411	32144
	25234	33433	33432
Shen Ying	11125		
Shencai	11125	13135	14233
Sheng Chai	11125		
Sheng Chia	11125	11444	
Shenyang	11125	13135	22114
Sherwood	11125		
Shintoshi	11233	15322	
Shivaki	11233	15322	14344
	13555	12314	
Siarem	15142	12234	11433

Siemens	11233	12342	12223
	12351	15231	15315
	12411	13413	15322
	13532		
Siera	11233	15322	15433
Siesta	13551		
Silva	11233	15322	12442
	13532	21154	
Silver	11232	13532	21441
	12234		
Singer	11125	11433	11233
	15322	12553	14331
	13431	12234	
Sinudyne	11433	15142	15245
	13245	12234	13532
	13455	33121	11233
	15322	41224	15522
Sky	11233	33535	33134
	33534		
Skymaster	11521		
Skyworth	11233	15322	11125
	13135	21354	22114
Sliding	22541	23121	31555
	32113	22311	31355
Smaragd	14533		
Solavox	12234	13532	11353
	15254	11233	15322
Sonawa	12444		
Songba	11125		
Soniko	11233	15322	
Sonitron	12424	13551	13435
	12443		
Sonoko	11125	11233	15322
	13135	13223	12443
Sonolor	12234	12424	

Sontec	11233	15322	13551
	13245	11125	
Sony	33121	34212	11132
	11232	21211	11233
	15322	12223	11444
	12251	11355	
Sound & Vision	12444	13555	11233
	15322		
Soundesign	12314		
Soundwave	11233	14244	15322
	21441		
Sowa	11331	12512	11232
	12314		
Standard	11125	11233	12443
	15322	12444	24233
	13555		
Starlite	11125	12234	11233
	15322	13135	14233
Stenway	13223	12444	
Stern	12234	13135	14232
	14331		
Strato	11233	15322	13135
	11125		
Strong	25234	25155	24233
	11233	15322	
Stylandia	12443		
Sunic Line	11233	15322	
Sunkai	13352		
Sunstar	13552	11233	15322
	11125	13135	
Sunwood	11233	15322	11125
Superla	15142	12442	12443
SuperTech	11125	12442	11233
	15322	12444	
Supra	13555	11125	
Susumu	12444	13431	

Sutron	11125		
SVA	15433	22541	
Sydney	12442	12443	
Synco	11232	11331	11444
	12314		
Sysline	11233	15322	
Sytong	12442		
T+A	14353		
Tacico	12314	11125	
Tai Yi	11125		
Taishan	11125	13555	
Tandberg	14232	11525	12352
	13533	13532	12234
Tandy	12444	11353	11444
	12443	12234	12553
Targa	31552		
Tashiko	21211	11232	12443
Tatung	33322	11125	11232
	11233	15322	11353
	15142	11331	12443
	13153	11132	15552
	41224	35122	31552
	25554	25342	34445
TCL	14233	21354	
TCM	21435	31235	22324
Teac	11125	11233	13135
	13223	14233	14244
	14421	15245	21354
	21422	21433	24233
	41225		
TEC	12443	12553	11125
	13431	11233	15322
	13532	12234	
Tech Line	11233	15322	21244
	25234		
Technica	41523		

Technics	21211		
TechniSat	21221	11233	15322
	12234	31143	
Techwood	25234		
Teco	11125	11232	11444
	12314	12444	13135
	21214		
Tedalex	12443	15522	11233
	11125	12424	15433
	15322		
Tek	22251		
Teknika	11331		
Teleavia	13444		
Telefunken	21111	11355	15331
	11525	13431	13444
	14554	11512	11354
	12352	11233	15322
	14532	21435	14541
	33322	13452	22352
Telefusion	11233	15322	
Telemeister	11233	15322	
Telesonic	11233	15322	
Telestar	11233	15322	14233
Teletech	11125	11233	15322
	21244	12553	24233
Teleton	11232	12443	12234
	13455		
Televideon	12234	12442	
Teleview	11233	15322	
Tensai	12444	11233	15322
	12443	13245	11125
	11521	13555	13552
	14113	12553	21441
	12234	24233	
Tenson	11125		
Tesla	11233		

Tevion	25554	33322	22324
	22541		
Texet	12442	12443	12444
	13555	11125	
Thomson	11525	21111	15331
	13444	13431	12352
	12533	11233	15322
	14541	13455	12442
Thorn	11524	11233	11525
	11353	12511	11355
	13444	13532	33121
	15133	15231	11132
	11232	11251	11351
	11512		
Thorn-Ferguson	13444	13431	
Tiane	11444		
TMK	12314		
Tobo	11125	13135	14233
Tokyo	12442		
Tomashi	13223		
Tongguang	13135	14233	
Tongtel	22221		
Topline	24233	21244	
Toshiba	15124	33124	11125
	11232	11331	31235
	11351	11444	21435
	13135	12443	14233
	11525	14541	12351
	15544	12342	21145
	21211	22352	41242
	41224	21354	11233
	25235	25234	41331
	33322	34415	
Towada	13455	12443	
Toyoda	11125		
Trakton	13135		

Transonic	21354	21433	
Triad	11233	15322	12444
	11125		
Trical	12223		
Trident	15142	12443	
Tristar	13135	12444	
Triumph	15142		
Tuntex	11125		
TVTEXT 95	15322		
Uher	11233	15322	13555
	14244	14532	13551
	14521		
Ultravox	11433	13555	12553
	12442	12234	11233
	15322		
Unic Line	11233	15322	14454
	14421	13455	
United	21435	11233	21441
	15322	41242	41224
	24233	15433	41523
Universum	11233	11355	13135
	13551	15231	
Univox	11233	15322	11433
	12234		
Utax	12234		
V7 Videoseven	35121	12314	23121
	32112	25443	34242
Vestel	11233	12234	12443
	15322	21244	24233
	25234	34243	
Vexa	11125	11233	15322
Vibrant	13153		
Victor	21214	11232	21211
Videocon	15124		
Videologic	12444	12442	
Videosat	12553		

VideoSystem	11233	15322	
Videotechnic	12443		
Videoton	12234		
Vidtech	11232	12314	
Viewpia	23112		
ViewSonic	35121	33243	
Visiola	12442		
Vision	11233	15322	12443
Vistar	13532		
Vortec	11233	15322	
Voxson	11433	12234	12314
	11233	15322	14244
Waltham	12443	14244	11233
	15322	21244	11525
	24233	14541	12234
	14344		
Wards	12314		
Warumaia	13555	21232	
Watson	11233	24233	25554
	15322	12234	11125
	21244	12444	15145
	14145	41224	32112
	13413		
Watt Radio	15245	13455	12234
	12442		
Wega	11232	11233	15322
	11433		
Wegavox	11125	11233	15322
Weipai	11125		
Weltblick	11233	15322	12443
Weltstar	24233		
Weston	11233	15322	
Wharfedale	22532		
White			
Westinghouse	11233	12442	15322
	41225		

Windstar	13223		
Windy Sam	15322		
X-View	25342		
Xenius	21232		
Xiahua	11125	13135	14233
	21354	22154	
Xianghai	11125		
Xiangyang	13135	14233	
Xihu	13135	14233	
Xinaghai	14233		
Xingfu	11125		
Xinghai	13135		
Xingyu	11125		
Xrypton	11233	15322	
Yamaha	21211	33412	
Yingge	11125		
Yokan	11233	15322	
Yoko	11233	12443	13135
	15322	12444	11125
	13551	13435	12442
	12553		
Yonggu	11125		
Yorx	12444		
Yousida	11125		
Yuhang	11125		
Zanussi	12443		
Zenith	12314	41225	
Zhuhai	11125	13555	
Zonda	21354		

