



# FERGUSON

DIGITAL MULTIMEDIA TECHNOLOGY

**RCU640 v.2** EN  **User manual**  
*Remote Control*  
*Unit*







**EN** 

This equipment is marked with the above recycling symbol. It means that at the end of the life of the equipment you must dispose of it separately at an appropriate collection point and not place it in the normal domestic unsorted waste stream. This will benefit the environment for all.

**PL** 

To urządzenie oznakowane jest specjalnym symbolem odzysku. Po okresie użytkowania trzeba je zwrócić do odpowiedniego punktu zbiórki i nie wolno umieszczać go razem z nieposortowanymi odpadami domowymi. Takie działanie przynosi korzyść dla środowiska.

**DE**  **AT**  **CH** 

Dieses Produkt trägt das Recycling-Symbol gemäß der EU-Richtlinie 2002/96/EC. Das bedeutet, dass das Gerät am Ende der Nutzungszeit bei einer kommunalen Sammelstelle zum Recycling abgegeben werden muss (kostenlos). Eine Entsorgung über den Haus-/Restmüll ist nicht gestattet. Dies ist ein aktiver Beitrag zum Umweltschutz.

**CZ** 

Toto zařízení je označeno výše uvedeným recyklačním symbolem. To znamená, že na konci doby života zařízení musíte zajistit, aby bylo uloženo odděleně na sběrném místě, zřízeném pro tento účel, a ne na místech určených pro ukládání běžného netříděného odpadu. Přispěje to ke zlepšené stavu životního prostředí nás všech.

**HU** 

A készülék a fenti újr felhasználási szimbólummal van megjelölve. Ez azt jelenti, hogy a készüléket használati időtartama után egy külön gyűjtőhelyen kell leadni. A normál háztartási hulladékkal és egyéb szeméttel együtt a készüléket kidobni nem szabad. Ezáltal hozzájárulunk környezetünk védelméhez.

**ES** 

Este equipo está etiquetado con el símbolo de reciclado que puede verse arriba. Esto quiere decir que al final de la vida del equipo, éste debe ser llevado a un punto de recogida específico para equipos electrónicos, y no a los contenedores normales de residuos domésticos. Esto beneficiará al medio ambiente para todos.

**RU** 

Это устройство обозначено специальным символом утилизации. После истечения эксплуатационного срока следует его вернуть в соответствующий пункт сборки, и запрещено его размещать с не отсортированными домашними отходами. Этим Вы не наносите вреда для окружающей среды.

**NL** 

Dit Produkt draagt het Recycling-Symbool volgens de EU-norm 2002/96/EC en kan worden gerecycled. Deponeer hem bij een recycle-punt .

EN 

### Notes for battery disposal

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste.

Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

PL 

### Uwagi dotyczące utylizacji baterii

Produkt zawiera baterie objęte dyrektywą Unii Europejskiej 2006/66/WE, których nie wolno wyrzucać wraz ze zwykłymi odpadami komunalnymi.

Należy zapoznać się z lokalnymi przepisami dotyczącymi selektywnej zbiórki baterii. Odpowiednia utylizacja baterii pomaga chronić środowisko naturalne oraz ludzkie zdrowie.

DE  AT  CH 

### Hinweise zur Entsorgung von Batterien

Für Ihr Produkt werden Batterien verwendet, für die die Europäische Richtlinie 2006/66/EG gilt und die nicht mit dem normalen Hausmüll entsorgt werden können.

Informieren Sie sich über die geltenden Bestimmungen Ihres Landes zur separaten Sammlung von Batterien. Die korrekte Entsorgung von Batterien hilft negative Auswirkungen auf Umwelt und Gesundheit zu vermeiden.

CZ 

### Poznámky k likvidaci baterii

Výrobek obsahuje baterie, které podle směrnice EU 2006/66/EC, nelze odkládat do běžného komunálního odpadu. Baterie likviduje v souladu s místními předpisy týkajícími se likvidace baterií a nebezpečného odpadu. Správná likvidace pomáhá předcházet případným nepříznivým účinkům na životní prostředí a lidské zdraví.

HU 

### Megjegyzések az elemek kiselejtezéséről

A termék által tartalmazott elemeket az Európai Unió 2006/66/EC vonatkozó direktívája értelmében nem szabad a háztartási hulladékgyűjtőbe dobni.

Kérjük, tájékozódjon az elemek szelektív gyűjtésének helyi szabályairól. Az elhasznált elemek megfelelő hulladékkezelése segítséget nyújt a környezettel és az emberi egészséggel kapcsolatos esetleges negatív következmények megelőzésében.

ES 

### Notas para el desecho de pilas/baterías

El producto contiene pilas contempladas por la directiva europea 2006/66/EC, que no se deben tirar con la basura normal del hogar.

Infórmese de la legislación local sobre la recogida selectiva de pilas. El desecho correcto de las pilas ayuda a evitar potencialmente consecuencias negativas para el medio ambiente y la salud humana.

RU 

### Замечания по замене батарей

Здeлeиe coдepжит бaтapии, cooтвeтcтвующиe дирeктивe Eвpoпeйcкoгo Coюзa 2006/66/EC, и нe пoдлeжaт утилизaции вмecтe c бытoвым мycoрoм.

Для утилизaции бaтapий нeoбoдимы свeдeния o мecтнoй cиcтeмe cбopa oтxoдoв. Пpaвильнaя утилизaция oтcлужившиx бaтapий пoмoжeт пpeдoтвpaтить вoзмoжнoe вpeднoe вoздeйcтвиe нa oкpyжaющyю cpeдy и здopoвьe чeлoвeкa.

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## Safety Information

- If device is moved from warmer place to a colder one some problem might occur. Please switch off the receiver and turn it on after 1 or 2 hours.
- Don't put any objects on the device.
- The product purchased is a sophisticated electronic device which is not suitable for children under 18 years.
- We do not assume responsibility for damages caused to people or object, deriving from use of the device made by people under 18 years.

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## User manual

Ferguson has used all the available means to ensure the latest information regarding its products. Ferguson does not give a warranty regarding the contents of this User Manual and waives any implied warranties regarding market value or fitness for specific purposes. The information contained herein provide guidelines allowing the operation and maintenance of the receiver.

Ferguson reserves the right to make changes, corrections or to translate the User Manual without giving prior notice of such changes. Therefore, it is recommended that users visit our website regularly to receive the latest information.

## Setup TV via brand name search

1. Switch on the TV for which you wish to use the remote control.
2. Point the remote control at the TV. Press and hold down the **TV** and **POWER** button for three seconds. Then release buttons.
3. The **POWER** button lights up and the remote control is in set-up mode.
4. Press and hold pressed **number** button corresponding to your TV brand.  
All brand name start with Letter "A, B, C", you can press and hold pressed number 2 button for quick brand search. To find the right button just look at the letters printed on it.  
For example, if TV brand is Sony, just keep pressed number button 7, the "Volume+" signal is automatically transmitted from the remote control to the device (code scan).
5. As soon as the volume of the TV changes, immediately release number button.
6. Check whether the other buttons on the remote control function correctly. If the majority of the buttons do not function correctly, continue searching (see steps 4 to 5).

brand name start with	number button
A, B, C	2
D, E, F	3
G, H, I	4
J, K, L	5
M, N, O	6
P, Q, R, S	7
T, U, V	8
W, X, Y, Z	9

## Setup TV via auto search

If the set up via brand name and code was not successful or you were unable to find your brand name in the list, you can use the auto search function to find the correct TV code for your remote control.

1. Switch on the TV for which you wish to use the remote control.
2. Point the remote control at the TV. Press and hold down the the **TV** button for 3 seconds, (or just press **TV** button for three seconds). The **POWER** button should lights up, i.e. the RCU640 is in Auto Search mode.
3. The **VOL+** signal is automatically transmitted from the remote control to the TV (code scan). As soon as the TV volume changes, immediately press **TV** button to terminate Auto Search, now the **POWER** button light goes out.
4. Switch on the TV via the **POWER** button. Check whether the other buttons on your remote control function correctly. If none of the buttons function (i.e. the search was not be stopped at the correct time) or the majority of the buttons do not function correctly, restart the search (see steps 3 to 4) to find a suitable code. If the majority of the buttons function correctly, set up has been successful. Re-press the **TV** button to save the code and to terminate the set-up mode.

**NOTE:** Entering the auto searching mode, it will search forward from the current code.

**NOTE:** After all codes have been gone through, The **POWER** button will flash three times and go off. The RCU640 exit from auto search automatically.

### Setup TV via brand name code

1. Switch on the TV for which you wish to use the remote control.
2. Find the code number of your TV brand in the code list (e.g. LG 0009; 0051; 0059; ...).
3. Press **TV** button for three seconds The POWER button on your remote control lights up, i.e. RCU640 is in set-up mode.
4. Enter the 4-digit device code (e.g. 0051 for LG TV set). If an entry does not occur within 10 seconds, the set-up mode is automatically terminated.
5. The POWER button LED goes out if the remote control accepts the code.

If the POWER button LED flashes three times the code is incorrect; and you need to start from step 2.

If this occurs, re-enter the correct code from the list.

6. Check the function of the buttons on your remote control. If the majority of the buttons on your new remote control do not function correctly, enter another 4-digit device code (e.g. 0059...) from the list under the same brand name. Repeat steps 3 to 6 until all the basic functions operate correctly. The TV is set up correctly as soon as you enter the correct code.

**NOTE:** Exit the set-up mode by pressing the TV button or OK button. The set-up mode is automatically terminated if a button is not pressed during a 10 second period.

### Setup TV via manual search

1. Switch on the TV for which you wish to use the remote control.
2. Point the remote control at the TV. Press and hold down the **TV** button for three seconds. Then release the button.
3. The POWER button lights up and the remote control is in set-up mode.
4. Press the **VOL+** button approx. every 1.5 seconds. The device should start to flash, i.e. the device is in Manual Search mode.
5. As soon as the TV volume changes, press TV button to save the codes and exit from Manual Search mode, now the POWER button light goes off.
6. Check whether the other buttons on the remote control function correctly. If the majority of the buttons do not function correctly, press the **VOL+** button approx. every 1.5 seconds to initiate the reactive code (manual search is continued, see steps 4 to 5).

**NOTE:** Sometime, remote control does not work properly just because Manual search does not stop in time. In this case, just enter into Manual search again, and press **Vol-** button approx. every 1.5 seconds to search backward the code.

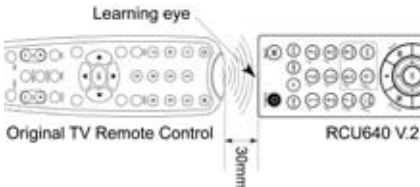
**NOTE:** The Manual Search is automatically terminated if no entry occurs during a 10 second period.

**NOTE:** Entering the auto searching mode, it will search forward from the current code.

## Learning Function

The Learning feature is used to supplement the preprogrammed code list. The standard code list may provide most of the functions needed, but you can add a small number of additional functions for your remote control. You can add a new code from a new original remote control.

1. Press **BLUE** button on RCU-640 without releasing, and then, press **TV** button. The **POWER** button lights up and the remote control is in learning mode.
2. Point the IR transmitter of the original TV remote control remotes face to the IR receiver of RCU-640 by approximately 30 mm apart. Keep two remotes at the same straight line to make the learning process more accurate.



3. Press any button on RCU-640 which you want to learn a new code from original remote control, (For example, you choose **▲** button) now LED starts to flashing and RCU-640 is under learning status.
4. Press the one button (for example, **▲** button) from your TV original remote control. When **POWER** button on RCU-640 flashes three times and stop, it means RCU-640 has accepted new code and now you can start to learn another new code from original TV remote.
5. Repeat step 3 to 4 to learn another code from TV original remote control.
6. When you finish learning all buttons, press **TV** button to save all learnt from original TV remote codes.

**NOTE:** Only TV device have Learning Function. You can not learn any new code for DVD, AMP, and SAT.

**NOTE:** Total 13 or 30 buttons (depending on RCU revision) can be used for learning new codes.

**NOTE:** If you want to replace the code you have learnt into RCU-640, just learn a new code from original TV remote control.



## Display TV Code

You can call up the TV code which you have set in your new remote control as follows:

1. Press and hold down the **TV** button simultaneously press number button **1** to display the thousands of the 4-digit code. Count how often the POWER button flashes. If the POWER button does not flash, the number is ZERO.
2. Press and hold down the **TV** button simultaneously press number button **2** to display the hundreds of the 4-digit code.
3. Press and hold down the **TV** button simultaneously press number button **3** to display the tens of the 4-digit code.
4. Press and hold down the **TV** button simultaneously press number button **4** to display the ones of the 4-digit code.

Example for code 0075:

1. Press TV and 1 LED flashes Zero times.
2. Press TV and 2 LED flashes Zero times.
3. Press TV and 3 LED flashes Seven times.
4. Press TV and 4 LED flashes Five times.

## Reset / delete function

1. Press **TV** and **0** button simultaneously.
2. When POWER button flashes three times and stop, it means that all the set-up data and commands for TV in the remote control are deleted and remote go back to factory default settings..

## TV brand codes

ACER	0753	BLACK	0245	CYBERCOM	0002 0009 0038 0042
ACME	0011	PANTHER			0047 0068 0103 0107
ADA	0018	LINE			0115 0127 0169 0185
ADC	0006 0007	BLAU-	0002 1172		0206 0207 0208 0209
ADMIRAL	0000 0001 0002 0047	PUNKT			0210 0228 0291 0924
AGAZI	0002	BLUE SKY	0011	CYBER-	0002 0009 0015 0038
AGB	0123	BLUE STAR	0120	MAXX	0042 0047 0048 0049
AIKO	0004 0009	Bosun/	1024		0068 0103 0107 0115
AIWA	0291	Foresee			0127 0169 0185 0206
AKAI	0004 0006 0009 0011	BPL	0120		0207 0208 0209 0210
	0051 0068 0069 0086	BRANDT	0045 0046 0126 0127		0211 0218 0228 0291
	0169 0736		0139		0894 0924 1005
AKIBA	0011	BRION	0000 0051 0169	CYBER-	0011
AKURA	0002 0009 0011 0074	VEGA		TRON	
	0169	BROKSON-	0920	CYTRON	0009 0015 0038 0042
ALBA	0009 0011 0027 0028	IC			0047 0048 0049 0068
	0047 0068 0083 0169	BRUNS	0000 0007		0103 0107 0115 0127
	0245	BSR	0026		0169 0185 0206 0207
ALKOS	0164	BTC	0011		0208 0209 0210 0211
ALLORGAN	0026 0157	BUSH	0009 0011 0024 0027		0218 0228 0291 0864
ALLSTAR	0051		0028 0051 0062 0068		0924 1005
ALTUS	0042		0107 0115 0120 0139	DAEWOO	0009 0051 0059 0061
AMSTRAD	0002 0009 0011 0013		0167 0169 0245		0067 0085 0088 0115
	0030 0068 0069 0074	CAPSONIC	0002		0131 0191 0245
	0123	CARRE-	0027	DAINICHI	0011
ANAM	0009 0109	FOUR		DANSAI	0002 0051 0169
ANGLO	0009	CASCADE	0009	DANTAX	0113 0169
ANITECH	0002 0009 0043 0109	CATHAY	0051 0169	DATSURA	0121
ANSONIC	0009 0014	CENTRUM	0205	DAYTON	0009
ARC EN	0045 0126 0139	CENTU-	0051 0169	DAYTRON	0245
CIEL		RION		DCE	0042
ARISTONA	0051 0169	CENTURY	0000	DE GRAAF	0006 0033
ARTHUR	0158	CGE	0043 0047	DECCA	0004 0030 0051 0123
MARTIN		CIMLINE	0009 0028		0169
ASA	0000 0016 0017 0018	CITY	0009	DECCA-	0015
	0110	CLARIVOX	0169	COLOR	
ASBERG	0051 0043	CLA-	0002 0009 0011 0030	DELL	0025
ASTRA	0009	TRONIC	0043 0051 0083	DESMET	0051 0169
ASUKA	0002 0011	CON-	0009	DIGITOR	0227 0228
ATLANTC	0051 0157 0169	CORDE		DIXI	0009 0051 0169
ATORI	0009	CONDOR	0051 0083 0245	DR HD	0134 0138 0142 0143
AUDIO-	0009 0011 0051 0090	Conic/	1025		0148
SONIC	0139 0157 0169 1062	Scope		DTS	0009
AUSIND	0043	CONRAC	0726	DUAL	0002 0009 0038 0042
AUTOVOX	0000 0002 0043 0157	CONTEC	0009 0027 0029 0030		0047 0068 0089 0103
BAIRD	0111 0139 0245	CONTI-	0045 0046 0111 0126		0107 0115 0126 0127
BANG &	0000	NENTAL	0139		0139 0169 0206 0207
OLUFSON		EDISON			0208 0210 0228 0291
BARCO	0112	COSMEL	0009		0924
BASIC LINE	0009 0011 0051 0245	CROSLEY	0000 0043	DUAL-TEC	0009
BAUR	0169	CROWN	0009 0043 0047 0051	DUMMONT	0000 0014 0017 0018
BEKO	0007 0042 0083 1064		0083 0121 0169 0245	DURA-	0228 1006 1008 1019
BEON	0051 0169	CS ELEC-	0011	BRAND	1020 1073
BEST	0113	TRONICS		DUX	0169
BESTAR	0051 0245	CTC CLA-	0014	DVICO	0276
		TRONIC		DYNATRON	0051 0169

ELBE	0157	GOOD-	0002 0004 0009 0027	IRRADIO	0009 0011 0051 0068
ELCIT	0000	MANS	0028 0051 0068 0093		0169
ELECTRO	0009		0111 0115 0127 0169	JSUKAI	0011
TECH			0245	ITS	0011 0051 0068 0120
ELEKTA	0120	GORENJE	0083	ITT	0009 0031 0143
ELIN	0016 0018 0051 0169	GPM	0011	ITV	0009 0086 0169 0245
ELITE	0011 0051	GRANADA	0004 0006 0016 0027	JACKTOP	0073
ELMAN	0014		0031 0040 0043 0051	JEC	0164
ELTA	0009		0054 0064 0123 0127	Jeja	1029
EMERSON	0000 0127		0169	Jinpin	1028
EMGETON	0200 0243 0255	GRANDIN	0009 0011 0120 0169	Jointek	1030
Energy Sistem	1038 1039		0245	JVC	0027 0051 0065 0067
ERAE	1003	GRUNDIG	0017 0043 0087 0091		0068 0088
ERRES	0169 0051		0097 0117 0136	KAISUI	0009 0011 0120
ESC	0245	GS	0194	KAPSCH	0157
ETRON	0009	H&B	0228	KARCHER	0006 0016 0169
EURO-FEEL	0002	HAAz	0228	KATHREIN	0199
EUROLINE	0149	HALIFAX	0002	KENDO	0014 0028 0245
EURO-MANN	0002 0051	HANSEATIC	0007 0009 0026 0027	KENNEDY	0157
			0051 0083 0169	KING TV	0015
EURO-PHON	0051 0123	HANTAREX	0009 0123	KNEISSEL	0174
EUSTON	0077 0080 0095 0118	HB	0015 0042 0703 1003	KOLSTER	0051
	0125 0129	HCM	0002 0009 0074 0120	KONKA	0011 0047 0068 1037
EXPERT	0157	HIFIVOX	0139	KORPEL	0051 0169
FAIRTEC	0746	HINARI	0006 0009 0011 0027	KORTING	0000
FENNER	0009 0115		0043 0051 0137 0169	KOYODA	0009
FERGUSON	0050 0052 0079 0100	HISAWA	0011 0113 0120	KURO	0121
	0111 0127 0163 0169	HISENSE	0156 0746 1027	LENCO	0009 0245
FIDELITY	0068 0074 0096	HITACHI	0004 0016 0023 0027	LENOIR	0009
FINLANDIA	0006 0110		0033 0041 0045 0046	LEYCO	0002 0004 0026 0051
FINLUX	0000 0004 0014 0016		0047 0059 0065 0076	LG	0009 0051 0059 0061
	0017 0018 0042 0043		0083 0123 0139 0140		0067 0079 0081 0084
	0051 0110 0123 0157	HORNY-PHON	0144 0213 1013		0085 0093 0119 0133
	0167 0169		0051	LIESENK	0169
FIRSTLINE	0009 0026 0051 0062	HOSHAI	0011	LIFE	0002 0009 0068 0103
FISHER	0000 0006 0018 0027	HPC	1026		0107 0111 0115 0169
	0029 0040 0083	HUANYU	0115		0291
FLINT	0051 0113	HYPER	0009	LIFETEC	0002 0009 0015 0038
FORMENTI	0000 0001 0043 0169	HYPSON	0002 0051 0120 0169		0042 0047 0048 0049
FORTRESS	0001 0000	HYUNDAI	1010		0058 0061 0068 0085
FRONTTECH	0002 0009 0068 0120	ICE	0002 0009 0011 0051		0088 0103 0107 0115
FUJITSU	0004 0116 0157		0068		0127 0169 0185 0206
FUNAI	0002 0026	IMPERIAL	0043 0047 0051 0083		0207 0208 0209 0210
GALAXY	0047 0083	INDESIT	0024		0211 0218 0228 0291
GBC	0009 0027	INDIANA	0051 0169		0894 0924 1005
GEC	0004 0041 0051 0123	INGERSOL	0009	LOEWE	0000 0051 0098 0169
	0169	INNO HIT	0004 0009 0011 0051		0734
GELOSO	0009		0093 0123 0169 0245	LOGIK	0030
GENERAL	0009	INNOVA-TION	0002 0009 0068 0103	LUMA	0157 0169
TECHNIC			0107 0111 0115 0169	LUMA-TRON	0002 0051 0074 0107
GENEXXA	0011 0051		0291		0157 0169 0245
GERICOM	0049 1023 1064	INTERBUY	0009 0109	LUX MAY	0051
GOLDEN	0177	INTER-	0000 0051 0139 0169	LUXOR	0047 0093
INTERSTAR		FUNK		MAGNA-DYNE	0000 0014 0123 0169
GOLDSTAR	0009 0051 0084 0093	INTER-TRONIC	0894	MAGNA-FON	0014 0043 0123
	0169 0261	INTERVI-SION	0002 0014 0109		

# RCU640 v.2

ENGLISH

MAGNUM	0002 0009 0068 0103 0107 0111 0115 0169 0291	NEC NECKER- MANN	0027 0056 0185 0752 0000 0051 0083 0169	PRANDO- NI-PRINCE PRIMA	0123 0009
MANDOR	0002	NEI	0051 0068 0169 0113	PRINZ	0047
MANESTH	0002 0028 0051 0169	NEW	0011	PRO2	0002 0009 0015 0038 0042 0047 0048 0049 0068 0103 0107 0115 0127 0169 0185 0206 0207 0208 0209 0210 0211 0218 0228 0291 0894 0924 1005
MARANTZ	0051 0169	WORLD		PROFEX	0009 0043
MARELLI	0000	NEWTECH	0009 0051	PROFI-	0051
MARK	0051 0169	NIKKAI	0002 0004 0011 0051 0164 0169	TRONIC	
MATSUI	0002 0004 0009 0013 0026 0027 0028 0030 0051 0068 0091 0113 0123 0147 0164 0169 0173 0180	NOBLIKO NOGA- MATIC NOKIA	0004 0004 0011 0051 0014 0043 0139	PROLINE	0004 0051 0062
MC- MICHAEL	0041	NORD- MENDE	0000 0024 0045 0046 0051 0111 0126 0127 0139 0719	PROSONIC	0015 0042 0068 0107 0169 0245
MEDIATOR	0051 0169			PROTECH	0002 0009 0014 0051 0113 0169
MEDION	0002 0009 0015 0038 0042 0047 0048 0049 0058 0061 0068 0103 0107 0115 0127 0169 0185 0206 0207 0208 0209 0210 0211 0218 0228 0291 0624 0726 0731 0751 0894 1005 1014	NORDVI- SION OCEANIC OKANO ONWA OPENBOX ORBIT ORION	0169 1015 0083 0069 0162 0051 0009 0013 0026 0028 0030 0051 0062 0075 0123 0147 0169 0212 0920	PROVIEW PROVISION PYE PYMI QUELLE	0751 0015 0169 0051 0068 0169 0009 0002 0016 0017 0018 0026 0030 0051 0136 0169
Mein	1031 1032 1333			QUESTA	0027
MELEC- TRONIC	0009 0016 0018 0051 0068 0109 0110 0115 0139 0169	OSAKI OSO OSUME	0002 0004 0011 0074 0011 0004 0029	R LINE RADIOLA RADIOM- APRELLI	0051 0169 0051 0169 0000 0123
MEMOREX	0009 0920	OTTO VER- SAND	0001 0027 0051 0111 0120 0121 0139 0169	RADIO- NETTE	0016 0018
MEMPHIS	0004 0009	PACKARD BELL	0203	RADIO- TONE	0007 0051
METZ	0000 0075 0151 0152	PALLA- DIUM PANAMA PANA- SONIC PANK	0083 0002 0009 0064 0072 0124 0151 0152 0197 0017 0027	RBM RCA REVOX REX RFT	0017 0031 0051 0169 0002 0157 0000 0007
MICRO- MAXX	0002 0009 0015 0038 0042 0047 0048 0049 0068 0103 0107 0115 0127 0169 0185 0206 0207 0208 0209 0210 0211 0218 0228 0291 0864 0924 1005	PATHE CIN- EMA PATHE MARCONI PAUSA PERDIO PHILCO PHILIPS	0083 0045 0046 0126 0139 0009 0004 0000 0043 0047 0000 0020 0041 0043 0051 0083 0089 0111 0115 0169 0339 0044 0053 0057 0059 0067 0079 0130	ROADSTAR ROBO- TRON RTF SABA	0002 0009 0011 0245 0000 0000 0000 0000 0045 0046 0111 0123 0126 0127 0139 0245
MICROS- TAR	0002 0009 0015 0038 0042 0047 0048 0049 0068 0103 0107 0115 0127 0169 0185 0206 0207 0208 0209 0210 0211 0228 0280 0291 0894 0924 1005			SAISHO SALORA SAMBERS SAMSUNG	0002 0009 0013 0028 0123 0031 0047 0093 0107 0121 0014 0043 0123 0169 0002 0004 0009 0030 0051 0058 0059 0061 0066 0067 0079 0081 0083 0085 0090 0093 0105 0114 0135 0312 1042 0198
MINERVA	0017			SANDRA	0009
MINOKA	0051			SANSUI	0051 0920
MITSUBI- SHI	0000 0027 0030 0051 0054 0060 0098 0205				
MIVAR	0043 0055 0083 0093 0123	PHOCUS PHOENIX PHONOLA PIONEER	0042 1064 0000 0051 0169 0000 0051 0169 0051 0067 0076 0079 0139 0145 0169		
MOTION	0043				
MTLOGIC	0090 1062	PLANTRON	0002 0051		
MULTISYS- TEM	0169	POPPY	0009		
MULTI- TECH	0009 0014 0027 0043 0045 0169	PORTLAND	0245		
MURPHY	0018				
NATIONAL	0064				

SANYO	0004 0006 0016 0018 0027 0029 0030 0031 0040 0043 0059 0065 0066 0083 0101 0127	TCM	0002 0009 0042 0047 0068 0103 0107 0115 0127 0169 0185 0206 0207 0208 0209 0210 0211 0228 0291 0742 0924 0994 1005 1017	WATSON	0051 0067 0079 0088 0169
SBR	0041 0169			WATT RA-DIO	0014
SCHAUB	0697 0698 0703 0715			WEGA	0000 0027
LORENZ	0015 0042 0096 0205 1003	TEC	0009	WELLTECH	0042
SCHNEIDER	0011 0051 0068 0139 0169 0245	TECHNIS-SON	0042	WELTBlick	0051 0169
Scope	1035 1036	TELEAVIA	0045 0111 0126 0139	WHITE WESTING-HOUSE	
SEG	0002 0009 0014 0027 0043 0169 1014	TELEFUNK-EN	0050 0051 0052 0067 0076 0078 0102 0105 0111 0126 0127 0139 0163 0190	YAKUMO	1012
SEI SINUDYNE	0000 0013 0014 0026 0075 0123	TELETECH	0009 0113 0169	YINHE	0728
SELECO	0027 0157	TELETON	0157	YOKO	0002 0009 0011 0051 0169
SENCORA	0009	TENSAI	0011 0018 0026 0051	YORX	0011
SENTRA	0164	TESMET	0051	ZANUSSI	0157
SHARP	0001 0027 0029 0065 0099 0141 0187	TEVION	0051		
SHORAI	0026	TF	0003 0010 0019 0021 0035 0037 0039 0063		
SIAREM	0000 0014 0123	THOMSON	0045 0046 0050 0051 0052 0102 0111 0126 0127 0139 0163 0176 0185 0245 0723		
SIEMENS	0029				
SIENWAY	0120				
SIERRA	0051				
SILVER	0027	Thomson 3004	1040 1041		
SINGER	0000 0014 0228	THORN	0004 0018 0054 0111 0127 0164 0169		
SINUDYNE	0000 0013 0014 0015 0026 0028 0075 0169	TOKAI	0004 0051		
SKYMASTER	0016	TOMASHI	0120		
SKY-WORTH	0228 1034	TOSHIBA	0017 0027 0065 0082 0094 0108 0117 0122 0128 0132 0164 0189 0920		
SOLAVOX	0092				
SONITRON	0006 0031				
SONOKO	0002 0009 0051 0169 0245	TRIUMPH	0013 0082 0123		
SONOLOR	0006	UHER	0043 0051 0157		
SONTEC	0051 0169	ULTRAVOX	0000 0014 0133		
SONY	0004 0009 0027 0029 0030 0061 0065 0066 0094 0106 0127 0146 0183	UNITED	0169		
SOUND & VISION	0011 0014	QUICK	0245		
SOUND-WAVE	0051 0369	STAR			
STANDARD	0009 0011 0051 0245 0169	UNIVER-SUM	0002 0016 0018 0051 0083 0102 0110 0143 0169		
STARLIGHT	0157	VESTEL	0051 0083 0092 0103 0107 0169 0195 1014 0067 0079 0361 0410		
STERN	0009 0026 0062				
SUNKAI	0009 0051	VEXA	0009 0169		
SUNWOOD	0009	VICTOR	0027 0051		
SUPRA	0011	VIDEO SYSTEM	0051		
SUSUMU	0009	VIDEOCON	0737		
SUTRON	0009	VIDEOL	0011		
SYSLINE	0026 0157	OGIQUE			
TANDBERG	0001 0004 0011	VISION	0051		
TANDY	0185 1003 1004 1018	VISOREX	0096		
TARGA	0027 0041 0056	VIZIO	0343		
TASHIKO	0004 0051 0123 0169	VORTEC	0051 0169		
TATUNG		VOXSON	0000 0043 0051		

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