

# RC027 SLx Digital Satellite Remote

Universal Pre-programmed Remote Control



RC027  
27834S+

# USER GUIDE

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**Codes for televisions** ..... pages 6-8

## Introduction

The RC027 remote has been designed as a direct replacement for existing digital satellite receiver remote controls (eg Sky™ and Sky+™)\*. All functions are the same and the layout mirrors that of original remotes to make life as easy as possible for the user. The RC027 is fully preprogrammed to operate all digital satellite receivers. The RC027 will also operate the basic functions of many popular TVs, after the correct code has been entered, see "How to set up your RC027" (page 3).

## Installing Batteries

Your RC027 requires 2 fresh AAA-size (LR03) batteries (alkaline batteries recommended) :-

1. Remove the battery cover on the back of your RC027.
2. Insert the batteries ensuring that the polarity corresponds with the markings in the battery compartment.
3. Push the battery cover back in place.

## Please Note
























The TV code set-up procedure will cancel itself if no keys are pressed for more than 10 seconds (in order to protect your code against accidental re-programming, and to conserve battery power). Therefore we advise you to read the following instructions and to familiarise yourself with the procedures, before attempting to program your RC027 to operate TV functions.

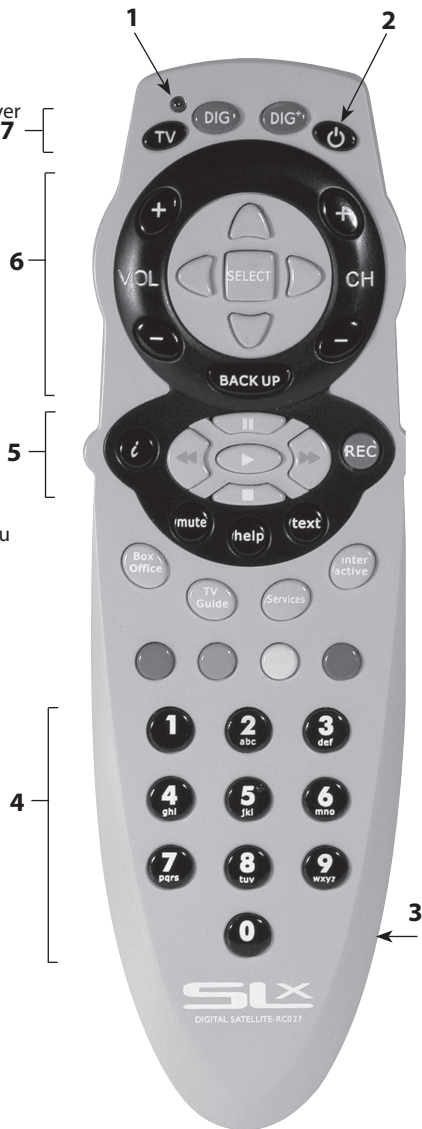


**Philex Customer Careline 0901 293 0038\***

\*Careline calls are charged at £1 per minute from a BT landline. Call charges from other networks may vary.

# Function keys

-  **TV** Sets your RC027 to control your TV
-  **DIG+** Sets the RC027 to control your SKY™ Plus receiver
-  **DIG** Sets the RC027 to control your SKY™ receiver
-  Turns your SKY™ receiver (or TV) on and off
-  **+**
-  **VOL** Changes the TV volume
-  **-**
-  **+** **CH** Changes the channel
-  **-**
-  Arrow buttons move the highlight around menu screens to highlight the option you want  
**SELECT** Chooses the option you have highlighted or confirms your choice
-  **BACK UP** Shows the previous screen
-  Shows information about the program highlighted
-  Controls recording/playback on SKY™+ box includes: Pause, Fast Forward, Play, Rewind and Stop
-  **REC** Records to hard drive on SKY™+ box
-  **mute** Turns the TV sound off/on
-  **help** For help on using the Sky Guide
-  **text** Switches to text mode
-  **Box Office** Shows the Box Office screen
-  **TV Guide** Shows the TV Guide screen
-  **Services** Shows the customer Services screen
-  **Inter active** Shows the interactive Services screen
-  4x colour buttons used to select the corresponding colour option on-screen
-  **2 abc** For selecting channel numbers or on-screen options



1. Blue status indicator LED
2. Power on/off
3. Battery compartment
4. Number keypad
5. SKY™+ recording/playback keys
6. Screen navigation keys
7. Device Indicator keys

## How to set up your RC027

The RC027 has 3 Device Modes (TV, SAT & SAT+)  
The TV section of your RC027 can be set-up either by entering the appropriate codes from the list of codes supplied or by using either the Auto or Manual code search facility.

Instructions for all three methods follow.

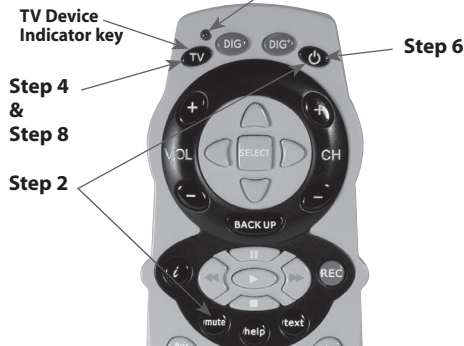
### TV Set up by auto code search

Probably the easiest way to set-up your RC027, especially if there are a lot of codes listed for your particular brand, is by Auto Code Search.

#### TV SETUP BY AUTO CODE SEARCH

1. Turn on your TV using your original handset, or the TV set control.
2. Hold down both **POWER** and **MUTE** keys on your RC027 simultaneously until the STATUS INDICATOR LED lights up and stays blue (about 4 seconds).

Blue Status Indicator



3. Release the **POWER** and **MUTE** keys. The STATUS INDICATOR should still be lit. If not repeat step 2.
4. Press the TV key once. The STATUS INDICATOR and the DEVICE INDICATOR should now both be lit.
5. To search, aim your RC027 at your TV.
6. Hold down the power key for about 8 seconds until the STATUS INDICATOR begins to flash.
7. The STATUS INDICATOR will repeatedly flash twice then remain unlit for 1 second, flash twice and remain unlit for 1 second. The DEVICE INDICATOR key will also flash repeatedly.
8. When a suitable code is found the TV will switch off. When the TV switches off the TV KEY must be pressed **immediately** to store the correct code (Please Note: if the TV KEY is not pressed immediately the search will continue).
9. Now press the POWER key. If the TV switches on the code has been stored and you can check that other functions work properly.
10. To stop the Auto Code Search at any time press any key and the remote will go to Manual Code Search.

If you are unable to find a correct code or cannot store the code fast enough try finding the code either using Manual Code Search or by using Setup by Entering Device Code

## TV Set up by manually entering code

1. Turn on your TV
2. Look up the brand name of your TV in the DEVICE CODE List (See pages 6-8).
3. Look up the 3-digit Device Code next to the brand name of your equipment. If there is more than one code listed for your brand, start with the first code listed and follow the instructions below:
4. Hold down both **POWER** and **MUTE** keys on your RC027 simultaneously until the STATUS INDICATOR LED lights up and stays blue (about 4 seconds).

Blue Status Indicator



5. Release the **POWER** and **MUTE** keys. The STATUS INDICATOR LED should still be lit. If not repeat step 4.
6. Press the TV key once. The STATUS INDICATOR LED and the DEVICE INDICATOR should now both be lit.
7. Use the number keys on your RC027 enter the 3-digit Device Code. If you have entered a valid code, the STATUS INDICATOR will flash once. If you have entered a wrong code, the STATUS INDICATOR will flash twice.
8. Try the keys on your RC027 that correspond to similar keys on your original remote control, especially those you use most. (Note that the RC027 will exit the set-up procedure if you do not press any keys on the RC027 for more than 10 seconds). If your TV works on all or most of the keys on your RC027, you have entered a suitable Device Code. Go to step 11. (Note: Your RC027 will only operate functions controlled by your original remote nor are the supplied codes guaranteed to operate all these functions)

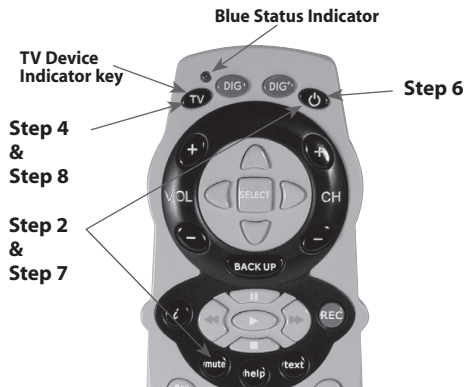
TV Set up by manually entering code continued overleaf

9. If the Device Code does not work properly on your TV, press the TV INDICATOR KEY once. The STATUS INDICATOR LED will flash briefly, and remain lit. The TV INDICATOR key should still be lit. (If either of the indicators switch off whilst you are still programming your RC027, you should start again from step 3.)
10. Repeat steps 7-9 with the other codes listed for your brand of TV until your RC027 operates most or all of the functions that correspond with the keys on your original remote control.
11. Once you have found a suitable code, to store it, press the TV INDICATOR key twice. The TV INDICATOR key will flash twice and then go out as will the STATUS INDICATOR LED.
12. If none of the TV codes listed for your brand of TV work correctly, select the code that provides the best results. Alternatively, try the Library Search method, which is fully explained further on in these instructions.

If you cannot identify a suitable Device Code for your equipment from the Device Code List and have been unable to store a code when using Auto Code Search you may try our library search method. (For many lesser known brands codes may be present but not listed under that brand.) During the search the selected DEVICE INDICATOR will flash at various speeds. The entire search procedure may take several minutes to complete. The following instructions use your television as an example for set-up using the Manual Code Search method.

## TV set up by library search

1. Turn on your TV
2. Hold down both  $\odot$  POWER and  $\boxtimes$  MUTE keys on your RC027 simultaneously until the STATUS INDICATOR LED lights up and stays blue (about 4 seconds).



3. Release the  $\odot$  POWER and  $\boxtimes$  MUTE keys. The STATUS INDICATOR should still be lit. If not repeat step 2.
4. Press the TV key once. The STATUS INDICATOR and the DEVICE INDICATOR should now both be RED.
5. To search, aim your RC027 at your TV.
6. Press the POWER key repeatedly for 2 seconds ON and two seconds OFF, until your TV goes into standby mode (i.e. the TV switches OFF). Then continue with step 7. If the TV INDICATOR key flashes twice and then goes out

before your TV goes into standby mode you have reached the end of the code library. Return to step 2 and repeat library search one more time.

7. Try the number keypad to see if your device switches ON again and the keys work correctly. If your device does not switch ON, press the  $\boxtimes$  Mute key and then the  $\odot$  Power key to repeat the code so that the TV comes ON. Now try the number keypad. (NOTE: If you accidentally skipped a code that turned your TV ON or OFF, you can return to the skipped code by pressing the  $\boxtimes$  Mute key.)
8. If the code you have found does not work correctly, make sure that the TV key and STATUS INDICATOR LED are still lit, before you repeat steps 6 and 7 until you find a better code. If the indicator lights have gone out, repeat the set-up procedure from step 2.
9. Once you are happy with the code found, press the TV key once to store the code. The STATUS INDICATOR LED and TV key LEDs will turn off and set-up is complete.

## Operating the RC027

Once you have set up your RC027, it should operate similarly to your original remote control and perform most or all of the main functions. To operate, just aim it at your equipment, press the appropriate DEVICE INDICATOR key and press the required function key. The DEVICE INDICATOR flashes during signal transmission to confirm that a function key is in operation.

Please Note: The RC027 can only duplicate functions that are on your original remote control. Any extra keys on the RC027 which are not on the original will not function.

## TV code recall - 888

The RC027 has a special code which can be entered to find the code that has been set for your TV. (e.g. after Code Search set up)

1. Press  $\odot$  POWER and  $\boxtimes$  MUTE keys together until STATUS INDICATOR blue LED lights up and flashes 3 times.
2. Then press the TV key, STATUS INDICATOR LED & TV key will light up Blue.
3. Key in Device Code Recall code 888.
  - To find the first digit of your code, press 1 and then count the number of times the STATUS INDICATOR LED flashes blue.
  - To find the second digit of your code, press 2 and then count the number of times the STATUS INDICATOR LED flashes blue.
  - To find the third digit of your code, press 3 and then count the number of times the STATUS INDICATOR LED flashes blue.

[Note: If the STATUS INDICATOR LED does not flash at all the digit is zero (duration between flashes is 1 sec.)]

E.G. Code=106, Number 1=1 flash, Number 2=no flash, Number 3=6 flashes.

5. Press the TV Device key once to exit Device Code Recall. (Note that the RC027 will exit the Recall procedure if no key is pressed for 30 seconds)

## Recording device codes

It is recommended that you record your device code in case it is lost from storage when the batteries run out or are changed.

### TV DEVICE CODE

## Maintenance

### LOW BATTERY LEVEL

If the indicator flashes twice slowly after pressing a key function, the battery level is low and you will need to fit new batteries. If the batteries are removed, your RC027 will retain its memory for approximately 10 minutes only.

- Do not use old and new batteries together as old batteries tend to leak.
- We do not recommend the use of rechargeable batteries.
- Please follow manufacturer's instructions when disposing of used batteries
- Do not expose the RC027 to dust, strong sunlight, humidity, high temperature or mechanical shock.
- Do not use corrosive or abrasive cleansers on your RC027.
- Keep the unit dust free by wiping it with a soft, dry cloth.
- Do not disassemble your RC027, it contains no user serviceable parts.

## Frequently asked questions

- Q. I am unable to program or operate my RC027, but the indicator lights on my RC027 operate correctly.
- A. Check your A/V device. If the device's mains switch is turned off, your RC027 can not operate your device.
- A. Check if the batteries are low and replace the batteries.
- A. If several TV Codes are listed under the brand name of your A/V device, try each code one by one until most or all of the keys work correctly.
- Q. The STATUS INDICATOR light does not stay ON when entering set up mode.
- A. Make sure both the POWER and MUTE buttons are pressed simultaneously
- Q. My A/V equipment responds only to some commands.
- A. You may have selected a code for which only some commands work correctly. Try the other codes listed for your brand.
- A. Try the Library Search if you are still unsuccessful.
- Q. Some of my equipment will not work with any of the codes listed.
- A. Try the Library Search function as some more recent codes may be available on the RC027 but have not been listed yet or have not been listed under all applicable brands.

Disclaimer: Whilst we have tried to supply a comprehensive library of codes we cannot guarantee that your RC027 will be fully compatible with all equipment. Some brands, models or functions may not be available in the code library due to differences in operation to your original remote or where the code has not yet been added to the library. The manufacturer cannot accept any liabilities resulting from incorrect use of this product.

## Specifications

Operating system:- Pre-programmed infra-red remote control system.

Compatibility:- Operates most brands of infra-red remote controlled TVs and digital satellite receivers

Power requirement:- 2 x AAA-size alkaline batteries.

Effective range:- 7.65M (25 feet), +/- 25 degrees.

Alkaline battery life:- Normal operation 6 months.

Dimensions:- 199 (L) x 56 (W) x 24 (H) mm.

Weight without batteries:- 105g

## Technical support

For further information or any queries please contact

**CUSTOMER CARELINE: 0901 293 0038**

Calls are charged at £1 per minute from a BT landline.

Call charges from other networks may vary.

**TECHNICAL SUPPORT: <http://technical.philex.com>**



Waste electrical and electronic products must not be disposed of with household waste.

■ Please recycle where facilities exist.

Check with your Local Authority or Retailer for recycling advice.

BRAND		CODE		TV CODES		BRAND		CODE		BRAND		CODE																									
ACTON	0144	0223	0321	0330	1022	1024	1241	BEC	0100	0144	0321	1241	COLORTYME	1022	1241	ELIN	1241	0404	1104	GRADIN	1241	0432	1024														
ACURA	0032							BECRESE	0100	0113	0140	1241	COMTEL	0414			ELITE	1022	0132	1241	0223	0424	0432	GRATZ	0043	0100	0102	0104	1020	1102	1113	1121	1242				
ADMIRAL	0044	0113	1241	0313				BEKO	0012	2124	1144	1241	CONCORDE	1024			ELMAN	0322						GRANADA	0113	0142	0321	0403	0420	0232	0240	1241					
ADVENTURA	1034							BELL&HOWELL	0132	1041	1241		CONDOR	1104	1241	1024	ELTA	1024						GRUNDIG	0113	0332	0303	0311	1240	1434	2021	0440	2143				
ADYSON	0223	1241						BENCHMARK-BEUMARK	0223	1022	1024	1241	CONTEC	0412	0421	0424	1024	EMERSON	0113	0223	0402	0424	1034	1040													
AGAZI	1014							BENCHMARK-BEUMARK	0223	1022	1024	1241	CONTINENTAL EDISON	0330	0334	0341	EON	0424	1022																		
AKAI	0020	0022	0023	0100	0103	0104	0113	0124	0142	0223	0321	0424					ERRES	0420	1241																		
AKAI	0432	0441	0032	1012	1024	1313	0424	1040	1241								ETRON	0131	1024																		
AKIBA	0432																EURO-FEEL	1014																			
AKURA	1241	0432	0441	1014													EUROMANN	1241	1014																		
ALBA	0214	0032	0313	0432	0441	0232	1024	1241	2031	1124							EUROPHON	0322	1241																		
ALLORGAN	0222																FERGUSON	0241	0303	0320	0342	2120	1144	2034	2001	1330	1434	1444									
ALLSTAR	1241																FIDELITY	0024																			
AMBASSADOR	1040																FINLANDIA	0043																			
AMERICAN HIGH	1022																FINLUX	0003	0033	0141	0133	0404	1241	0303	0130	0323	0401										
AMSTRAD	0213	2010	0111														FIRST LINE	0222	1241	1024																	
ANGA	1040																FISHER	0024	0132	0140	1223	0423	0424	0401	0421												
ANGLO	1024																FLINT	1241																			
ANITECH	0223	1241	1014	1024													FORMENTI-PHOENIX	0401	1241																		
ANSONIC	1024	0322															FORTRESS	0223	0401	0421	0424	1041															
AOC	0223	1241															FRONTECH	0100	0120	0224	1024	1014															
ARC EN CIEL	0330	0334															FUJITSU	0113	0223	0321	0424	1040	1034														
ARISTONA	0420	1114	1222	1241													FUNAI	0113	0222	0223	0424	1014	1034	1040	0231												
ARTHUR MARTIN	1102	1001	1012	1020													DUAL	0024	0333	0432																	
ASA	0404	0401	0303	0402													DUMONT	0113	0223	1040	0303	1034	0322	0401	0402	0424											
ASBERG	1201																DUMONT-FINLUX	0033																			
ASORA	1024																DYNATECH	0113	0223	0424	1040	1034															
ASUKA	0432	1014	0441														EATON	1022																			
ATLANTIC	1241																ECR	0424																			
ATORI	1024																ELBIT	0414	1241																		
AUDIO TECHNICA	1201																ELCIT	0401	0322																		
AUDIOSONIC	0330	0432	1241	1014													ELECTRATUNE	0223																			
AUDIOVOX	1241																ELECTROBAND	1034																			
AUTOVOX	0024	0401	0303														ELECTROHOME	0113	0132	0144	0223	0424	1034	1040													
BAIRD	1313																ELECTRONICA	1422																			
BANG & OLUFSEN	0401																ELEKTA	1014																			
BASIC LINE	0432	0441	1024	1241	0023	0024	0100	0104	0113	0114	0140	1434	1241	1024	1034	1042																					
BAUR	1101	1103															CLATRONIC	1024	0322	0432																	

TV CODES

BRAND	CODE	BRAND	CODE	BRAND	CODE	BRAND	CODE	BRAND	CODE
INGERSOL	1024	LEYCO	0222 0321 1014 1241	MITSUBISHI	1040 1101 1103 1123 1224 1241 1341 1412 1434 2012 2104 2110	ORION	0024 0443 0113 0213 0214 0222 0223 0412 0413 0424 1010 1024	PROFEX	0120 1024
NNO HIT	1331 0321 0432 1241 1024	LG	0003 0120 0144 0223 0444 0434 0321 0330 0101 1014 1022 1024	MITSUBISHI	2111 2112 0332 0232 1011	ORION	1034 1040 1241 1301 0032 0111 0231	PROFILO	1124
INTERBUY	1014 1024	LG	1104 1241 0302 0032 2201	MONITOR	1022	OSAKI	0321 0432	PROFITRONIC	1104 1241
INTERFUNK	0014 0030 0031 0100 0103 0104 0110 0113 0131 0233 1113 0330	LIFETEC	1014 1024	MOTOROLA	1041 1241	OSUME	0321 0421	PROSCAN	1022
INTERFUNK	0401 0402 0420 1101 1102 1103	LINITRON	0223 0421 0424 1041	MRELLI	0401	OTHERS	2202	PROTEC	0100 0322 1241 1014 1024
INTERVISION	1014 0322 0432	LLOYD'S	0113 0223 0424 1034 1040	MITC	0113 0223 1022	OTTO VERSAND	0003 0024 1144 0100 0104 0113 0114 0120 0140 0214 0222 1434	PROTON	0223 1024
RRADIO	1241 1024 0432	LOEWE	0401 0402 1103 1241 0324 0331	MULTISTANDARD	0322	OTTO VERSAND	1104 1241 0330 0424 1221 1024 1034 1041 1042 1101 1103	PROVISION	1104
ST	0432 1241	LOGIK	0412 0413	MULTITECH	0100 0113 0120 0223 0322 0424 1223 1040 1024 1034	OTTO VERSAND	1104 1241 0330 0424 1221 1024 1034 1041 1042 1101 1103	PULSER	0144 0223 0321 0330 1022 1024 1241
SUKAI	0432 1024	LUMA	0044 1012 1241	MURPHY	2031 0403	OVP	1241	PYE	0420 1114 1222 2030
TS	0432 1024	LUXOR	0004 0023 0043 0100 0103 0104 0113 0114 0142 1313 0233 0321	NAD	0424 1202	PT.ACTRON	0414	PYMI	1024
TT	0044 0100 0113 0140 1333 0032	LUXOR	1001 1012 1141 1113	NADONIS	0044	PACIFIC	1421 1422 1423 2031	QUELLE	0003 0024 0100 0104 0110 0120 0140 0213 0214 0222 0223 0424
TT-NOKIA	1020 1102 1113 1121 1141 1242 1313	LXI	0132 1041 1202 1241	NATIONAL	1110 1241	PALLADIUM	0100 1241 0401 1101	QUELLE	1434 1042 1241 1221 0303 1034 1024 1104 1103 0330 1102 1101
TV	0032 0302	M. ELECTRONIC	1024 1241 0330 0404 1144	NEC	0424 1022	PANAMA	1024 1014	QUELLE	0412 0421 0423
JACSON	0323	MACYS	0223 0424	NECKERMANN	0100 0113 0114 1241 1223 0401 0402 1104 1012 1034 1042 1101	PANASONIC	0030 0100 0122 0300 0431 1021 1043 1100 1110 1221 1241 1243	QUESTA	0424
JBL	1241	MAGNADYNE	0024 0402 0322 0401	NECKERMANN	1103	PANASONIC	2130 2131 2132 2133 2134 0332 2141 1003 1044	R.LINE	1241
JCB	1034	MAGNAFON	0322	NEI	0432 1241	PATHE MARCONI	0330 0334	RADIALVA	0330
JET POINT	1022	MAGNASONIC	0132 0223 1024 1041 1104 1202 1241	NEW WORLD	0432	PAUSA	1024	RADIOLA	0420 1114 1222 1241
JUMBOTRONIC	1241	MAGNAVOX	0144 0424 1241	NEWTECH	1024 1241	PCE/PEC	0132 0140 1202 0223 0424 1022 0140	RADIOMARELLI	0403 0401
JVC	0424 0441 0232 1032 1134 1201 1233 1241	MANDOR	1014	NIKKAI	1241 0223 0321 0432 1014 0441	PERFORMANCE	0412 0424 1034	RADIO SHACK	0132 0223 1041
KAIDO	0120	MANESTH	1014 0214 1241	NIKKO	1104	PENNEY	1022 0223	RADIOTONE	1014 1024 1104 1241
KAISUI	0432 1241 0441 1024	MARK	1241	NISSAN	1022	PERFEKT	1241	RADIX	0140
KAPSCH	0014 0030 0031 0100 0113	MATSLI	2144	NOBLIKO	0303	PERFORMANCE	0412 0424 1034	RANK	0003 0100 0120 0214 2031 1032 0424 0432 0441 1241
KARCHER	1331 1241	MATSUI	0230 0024 0120 0213 0214 0320 0413 0232 0032 0321 1024 0111	NOGAMATIC	0330 0334	PHILCO	0144 1241 0313 1223 0401 0402 0424	RCA	1022
KATHREIN	0442	MATSUI	1032 1104 1241 0443 0311 1403 1411 2014 2021 2022 0001	NOKIA	0004 0014 0022 0023 0030 0031 0042 0043 0044 0100 0102 0103	PHILIPS	0144 0430 0321 0340 0343 0401 0414 0420 0424 1034 1042 1101	REALISTIC	0132
KENDO	0100 0214 0322 1104 1241	MAVA	0223	NOKIA	0104 0110 0113 0121 0123 0124 0131 0132 0140 0233 0420 1014	PHILIPS	1104 1114 1222 1241 1331 0304 2023 0302	REDIFFUSION	0403
KENWOOD	0223	MCMICHAEL	0144	NOKIA	1020 1022 2114 1102 2041 1322 1113 1242 1121 1334	PHILIPS	1104 1114 1222 1241 1331 0304 2023 0302	REDIFFUSION	0403
KLH	0113 0223 0321 0424 1034 1040	MEDIATOR	1241	NORDMENDE	0030 0330 0334 0340 0401 1144 1220 1330 1332 1444 0221	PHONOLA	0401 0420 1114 1222 1241	REVOX	1241
KLOSS	1022	MEGATRON	0142	NOVA	800	PHONOLA	0401 0420 1114 1222 1241	REX	0100 1444 0333
KOLSTER	1241	MEMOREX	0132 1014 1024 1040	NOVABEAM	1241	PIONEER	1022 0112 0330 0340 1332 1241	RFT	0402 0401
KONKA	0432	MEMPHIS	0321 1024	OCEANIC	0031 0043 0100 0104 0113 0121 0132 0222	PILLOT	1022	RICE CLUB	1022
KORPEL	1241	METZ	1434 0402 0401	ONWA	0432	PIONEER	0112 0330 0340 1332 1241	RMB	0223
KORTING	0401	MGA	1040	OPERA	1241	PRANDONI-PRINCE	0044 0100	ROADSTAR	0432 1014 1024 0032
KRIEGLER	0420 1114 1222	MIDLAND	0223	OPTANKA	1041	PLANTRON	1014 1241	RUNCO	1022
KTV	0113 0223 0424 1040 1034	MINERVA	1434 0303	ORBIT	1241	POPPY	1024	SABA	0014 0100 0113 0131 0330 0334 0340 0341 0401 1444 1012 1144 1220 1332
KUASHO	0223 1241	MINOKA	1241	ORBIT	1241	PORTLAND	0223 1034	SABA	0014 0100 0113 0131 0330 0334 0340 0341 0401 1444 1012 1144 1220 1332
KUBA ELECTR.	0024 0113	MITSUBISHI	0021 0331 0401 0402 0403 0244 0423 0424 0442 0242 0240 1032	ORION	0024 0443 0113 0213 0214 0222 0223 0412 0413 0424 1010 1024	PRIMA	0132 1241 0223 0424 1022 1024	SAISHO	0213 0214 0413 0111 0032 1241
LECO	1014 1024 1033 1241	PROFEX	0120 1024	ORION	1034 1040 1241 1301 0032 0111 0231	PRINZ	0321	SAKIO	1014
LENOIR	1024	PROFILO	1124	ORION	1034 1040 1241 1301 0032 0111 0231	PROELCO	1241		

## TV CODES

BRAND	CODE	BRAND	CODE	BRAND	CODE	BRAND	CODE	BRAND	CODE
SALORA	0004 1313 0023 0042 0043 0100 0103 0104 0113 0114 0132 1102	SINGER	0322 0401 0402	TELEFUNKEN	0330 1040 1144 1332 1444	WALTHAM	0004 0100 0344		
		SINOTEC	1104	TELETECH	1024	WARDS	1201 1241		
SALORA	1141 0321 1001 1012 1020	SKANTIC	0100	TELETON	0100 0113	WATSON	1434 0432 1024 1241		
SAMBERS	0322	SKY	2142	TELIWA	0330	WATT RADIO	0024 0322		
SAMPO	0223	SNYDER	1241	TENSAI	0110 1241 0222 0231 0404 0432 0032 0141 1024 1104	WEGA	0401 0424		
SAMSUNG	0224 0411 1122 0321 1030 1014 1022 1104 1223 1240 1241 1311	SOLAVOX	0131	TENSON	1024	WELTBlick	1241		
		SONITRON	0140	TESLA	1241	WHITE WESTINGHOUSE	0132		
SAMSUNG	1331 0032 0310	SONOKO	1241 1014 1024	THOMAS	0144 0223 0321 0330 1022 1024 1034 1241	WORLDTech	1033		
SAMSUNG	2200	SONOLOR	0031	THOMSON	0011 0400 0113 0330 0334 0340 0341 0344 1144 1220 1332 1404	YORK	0120 1241 0432 1033 1014 1024		
SAMSUX	0223	SONTEC	1241	THORN	0040 0103 0104 0110 0131 0134 0140 1241 0144 0204 0240 0141	YORK	0140 1241		
SANSUI	0412 1022 1241	SONY	0422 0412 0423 0424 0032 0301 1034 0234 0232 2040	THORN	1144 0323 0330 0342 0412 0423 0424 1103 1023 1034	YORX	0432		
SANYO	0132 0423 0134 0140 0234 0141 0133 0321 0323 0412 0421 0232	SOUND&VISION	0322 0432	THORN-FERGUSON	0241 0303	ZANUSSI	0044		
SANYO	0424 1242 1313 1032 1223	SOUNDESIGN	0113 0223 0424 1022 1034 1040	TMK	1022	ZENITH	1034 1241		
SASO	0330	SPECTRA	1033	TOKAI	0321 1241				
SBR	0420 1241	SPECTRICIAN	0223 1241	TOKYO	1022				
SCHAUB LORENZ	0043 0100 1020 1102 1113 1121 1242	SR2000	0132 1202	TOSHIBA	0132 0140 2122 1112 0320 0424 1002 1022 1023 0232 1202 2123				
		STANDARD	1024 0432	TOSHIBA	2121 2203 2204				
SCHNEIDER	0024 0131 1114 1104 1031 0333 0420 0432 1241 1014 1104 1322	STERN	0100	TOSONIC	1022				
SCHNEIDER	1222	SUNKAI	0214 0222 0432	TOTEVISION	0223				
SCOTT	0113 0223 0424 1034 1040	SUNSTAR	1024	TOWADA	0100 0322				
SEARS	0132 1202	SUNWOOD	1241	TRILLUX	1241				
SEG	0223 0322 0424 0432 1024 1014	SUPERME	1034	TRISTAR	0432				
		SUPERTECH	0024 1024	TRIUMPH	0213				
SEI-SINUDYNE	0024 0044 0100 0213 0214 0222 0322 0401 0402 1034 1101 1241	SUTRON	1024	UHER	0303 1241 0322				
		SYLVANIA	0421 1241	ULTRAVOX	0321 0322 0401 0402 1012				
SELECO	0044 0232 0333 0423 1444	SYMPHONIC	0113 0223 0424 1034 1040	UNIMOR	1241				
SEMUA	0223	TADISTAR	1104	UNIVERSUM	0033 1014 1434 1241 0404				
SENCORA	1024	TANDY	0321 0432 1041 0441	UNIVOX	0402				
SENTURA	0131 0432	TASHIKO	0120 0144 0424 1032	VECTOR/VICTOR	1201				
SHARP	0223 0421 0423 0424 1032 1041 0232 1324 0002 2011 1111 0234	TATUNG	0143 0212 0321 0412 0414 0230 2113 2100 1241 2003 2043	VESTEL	1241 1423 2031 0410 0434				
SHINTOM	1034 1104	TEC	1033 1024	VEXA	1024 1241				
SHORAI	0222	TECHLINE	0322	VIDEOLOGIQUE	0432				
SIAREM	0322 0401 0402	TECHNICS	1110 1241	VIDEOTON	0004 0340 0344 1241				
SIEMENS	0041 0223 1434 0421 1241	TECHNIMAGEN	1421	VISION	1241				
SIERA	0420 1114 1222	TECHWOOD	1022 1034	VOIXON	0044 1241 0401 0402				
SIERRA	1241	TECNSON	1104						
SIGMAX	1022	TEKNIKA	0223 1022 1040						
SIGNATURE	1034	TEKNON	1022 1024						
SILVER	0424 0432	TELEAVIA	0330 0334 0344						
		TELECO	1104						