

SBC RU644/05

Your Remote Control



Let's make things better.



PHILIPS

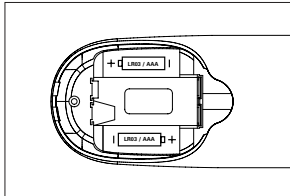
Instructions for use

You just made a great choice by buying this Philips universal remote control! It takes the place of as many as four separate remote controls and can operate the most-used functions of almost any brand of TV, VCR, satellite tuner/cable decoder and DVD.

Installing the batteries

Your SBC RU644 needs two 1.5V batteries, type R03, UM4 or AAA.

Put them in like this:



Tip

- Remember to replace the batteries at least once a year.
- Don't leave the batteries out for longer than one hour, otherwise you will need to set-up the SBC RU641 again.
- While the remote control is actively being moved about, the back-lighting stays on. This consumes more power than normal and may require you to change your batteries more frequently. You can easily turn the back-lighting function off to conserve power. To do this please follow the instructions in the backlighting section.

KEYS & FUNCTIONS

- | | | |
|--|-------------------------|--|
| | Power: | to switch TV/VCR/SAT/DVD on and off. |
| | Mode Selector: | to select TV, VCR, Satellite or DVD mode. |
| | Mute: | to switch the TV sound on and off. |
| | Channel Up/Down: | to select next / previous channel. |
| | Volume Up/Down: | to control the TV volume. |
| | Number Keys: | for direct channel selection and other functions. |
| | | To switch between one and two-digit channel selection and display. |
| | | To switch to the last selected channel. |

Instructions for use

English



SHIFT: to get access to additional functions (press together with other function keys). Depending on the age of your equipment, the result is for example:

SHIFT + PROG+: increases brightness or menu up function
 SHIFT + PROG-: decreases brightness or menu down function
 SHIFT + VOL+: increases colour or menu right function
 SHIFT + VOL-: decreases colour or menu left function

Try other shift/key combinations on your equipment to discover which functions are available.
 Remember that you can't get access to additional functions if these functions were not available on the original remote control of your equipment!



To operate menu control.



To confirm your selection.



SLEEP: to activate and vary the sleep timer (if available on your equipment).



To switch on teletext.



To stop changing teletext pages.



To enlarge the teletext display on screen.



To put subtitling on your screen (if available on your equipment), or to switch teletext off.

If you use the memory out key (⇄) to access the next teletext page on your Philips TV, you can use the subtitle key to access. For more details see **Memory Out** section under **Troubleshooting**.

Fasttext

VCR/DVD



Red

Rewind



Record



Green

Stop



Play



Blue

Forward



Yellow

Pause



To switch between the external inputs of your equipment.

Instructions for use

English

SET-UP FOR USE**A d v i c e***Carefully read the complete procedure before starting!***Your equipment is a Philips brand:**

- 1 Press the mode selector key for the device you want to operate.
- 2 Press the power key to test.
 - The green indicator LED under each device (TV, VCR, SAT or DVD) lights up to confirm the mode you're in.

C h e c k*Press a few keys to check correct response.***Your satellite receiver is a Sky Digital box:**

1 3

- 1 Press the mode selector key to select SAT and make sure the satellite box is switched on.
- 2 Press and hold keys 1 and 3 simultaneously -for about 3 seconds- until the green LED lights up. Then release the keys.
 - The green LED should stay on.

0 8

7 4

- 3 On the keypad, press keys 0, 8, 7 and 4, within 30 seconds.
 - The green LED flashes twice to indicate successful set up.

Your equipment is of another brand, or your equipment is a Philips brand, but not all keys respond correctly:

1 3

1 - 9

- 1 Press the mode selector key to select the device (TV, VCR, SAT or DVD) you want to operate.
- 2 Look up the brand name of the device you want to operate in the code list (centre of this manual).
 - Make sure you choose the correct code list for your device!*
- 3 Make sure the device is switched on.
- 4 Press and hold keys 1 and 3 simultaneously - for about three seconds- until the green LED lights up. (Release the keys: the green LED should stay on)
- 5 Enter your 4-digit code using the number keys, within 30 seconds.
 - The green LED flashes twice.

C h e c k*That's it! Press a few keys to check correct response. If response is not correct, repeat procedure beginning at step 1.***N o t e**

- If the LED displays one long flash, the code was not recognised. Please go back to step 1 and repeat the procedure, using the next 4-digit code in the list.
- If no key is pressed within 30 seconds, you have to start again at step 1.

A d v i c e*Carefully read the complete procedure before starting!*

Instructions for use

You do not know the brand of your equipment/you can not find the right code in the code list » auto search:

English



- 1 Press the mode selector key to select the device (TV, VCR, SAT or DVD) you want to operate.
- 2 Make sure the device is switched on (if the device is a VCR, please insert a tape and start playback).
- 3 Press and hold keys 1 and 3 simultaneously -for about three seconds- until the green LED lights up. (Release the keys: the green LED should stay on)
- 4 Press the power key to start the search. Make sure that you keep the remote control pointed at your equipment.
 - Each time the green LED flashes, another code is sent.
 - When the right code is found, the equipment switches off.

Immediately press the power key to stop the search. If the green LED flashed again after the equipment switched off, this means you missed the correct code! If you missed the code, follow the next procedure, starting at step 5. If the LED did not flash again after the equipment switched off, go to step 7.



- 5 Switch the equipment manually back on.
- 6 Press 'PROG-' (down only!) repeatedly to send previous codes until the equipment switches off again.

- 7 Press the power key to lock the correct code in the SBC RU644's memory.
 - The green LED flashes twice.

C h e c k

Switch equipment on manually. Press a few keys to check correct response. If response is not correct, repeat procedure beginning at step 1.

N o t e

- The search time averages about 90 seconds. (Maximum search time is 5 minutes for TV, 2 minutes for VCR, 4 minutes for SAT and 2 minutes for DVD).
- Autosearch stops automatically after all codes have been tested.

MAKE A NOTE OF YOUR CODE!

A d v i c e

Carefully read the complete procedure before starting!

Note the code inside the battery case and in the codelist in the centre of this booklet. This may be useful if you ever need to set up the SBC RU644 again. You used the auto search procedure or you forgot to note the code after set up? No problem! You can still 'read out' the code from the remote:








- 1 Make sure you've selected the right mode with the mode selector key.
- 2 Press and release keys 1 and 6 simultaneously.

Important: after pressing the keys, you have to release them immediately!

 - The green LED lights up.

Instructions for use

-  **3** Press the two digits key.
– The green LED goes out.
-  **4** Press key 1 and count the number of times the green LED flashes. This is the first digit of the 4-digit code. (No flashes means the digit is zero.)
-  **5** Press key 2 and count the number of flashes for the second digit.
-  **6** Press key 3 and count the number of flashes for the third digit.
-  **7** Press key 4 and count the number of flashes for the fourth digit.
- 8** Note the code.

ADVANCED TIPS AND TRICKS

A d v i c e

Carefully read the complete procedure before starting!

Changing the device keys

With the mode selector it is possible to select 4 categories of devices you want to operate. Each category (TV, VCR, SAT and DVD) is meant to operate a specific group of equipment:

<i>TV</i>	<i>VCR</i>	<i>SAT</i>	<i>DVD</i>
tv	vcr	sat	dvd
		cable	

Once you have programmed the functions of a device in one of the categories, it is not possible to program another device in the same category. There is, however, a solution in case you want to program two devices in the same category (2 TV's, VCR's, etc.). The following example explains how.

EXAMPLE:

The SAT mode on this remote control is factory preset to control many Philips satellite receivers. You can change the SAT mode (or any mode) to operate another type of device. The following example shows you how to use the SAT mode to operate a second TV:



- 1** Press the mode selector key to select SAT and make sure the second TV is switched on.
- 2** Press and hold keys 1 and 6 simultaneously -for about 3 seconds- until the green LED lights up.

- 3** On the keypad, press keys 9, 9 and 2.





- 4** Press the mode selector key to select TV mode.
- 5** Press key 1.
– The LED flashes twice to indicate successful set up.
That's it!

Don't forget to set up the SBC RU644 to operate this second TV. See the section **Set-up for use**.

Instructions for use

Punch-Through Sound

Punch-through sound enables you to control the audio level of your first or second TV, regardless of what device mode the remote control is in.

English

EXAMPLE:

You have installed a second TV under SAT mode. You can control that TV's volume when you are in VCR mode. This feature is installed as a default setting for a first TV.

To install this feature for a second TV:



- 1 Press the mode selector key to select VCR.
- 2 Press and hold keys 1 and 6 simultaneously -for about 3 seconds- until the green LED lights up.
- 3 On the keypad, press keys 9, 9, and 3.
- 4 Press the mode selector key to select SAT (second TV).
- 5 Press the power key.
 - That's it! The LED flashes twice to indicate successful set up.
 - The Volume up/down keys now control the volume of your second (SAT) TV when you're in VCR mode.

Functional back-lighting

When you pick up the SBC RU644 and tilt it over about 60 degrees, the main keys for the device you want to operate are automatically back-lit.

In VCR mode for example, only the main keys that are needed to operate the VCR are back-lit.

You can choose to have all of the keys back-lit, or you can switch off the functional back-lighting feature completely.

To back-light all of the keys:



- Press keys 1 and 9 simultaneously -for about 3 seconds- until the green LED flashes twice.
 - The functional back-lighting is now de-activated and all keys light up when you pick up the remote control.

Pressing keys 1 and 9 simultaneously again -for about 3 seconds- will return the back-lighting to its preset functional setting.

Note

The back-lighting turns off if you don't move the remote control or if you don't press a key within 4 seconds.

Instructions for use

English

T i p

The automatic back-lighting provides you with unparalleled ease of use, even in the most dimly-lit of rooms. While the remote control is actively being moved about the back-lighting stays on. This consumes more power than normal and may require you to change your batteries more frequently. You can easily turn the back-lighting function off to conserve power. To do this please follow the instructions below.

To remove the back-lighting completely:



- Press keys 7 and 9 simultaneously -for about 3 seconds- until the green LED flashes twice.
- The back-lighting is now de-activated.

Pressing keys 7 and 9 simultaneously again -for about 3 seconds- will return the back-lighting to its preset functional setting.

TROUBLESHOOTING GUIDE

• Problem:

– Solution:

- Device is not responding and the green light does not flash when you press a button.
 - Replace batteries with two new 1.5 volt, type R03, UM4 or AAA batteries.
- Device is not responding, but the green light does flash when you press a button.
 - Aim the SBC RU644 at the device and be sure that there are no obstructions between the SBC RU644 and the device.
- The SBC RU644 is not performing commands properly.
 - You may be using the wrong code. Try repeating Set up using another code, listed under your brand, or start the Autosearch Set-up over again to locate the proper code.
If the device still doesn't respond, call the help-line and we'll put you back on track.
- The SBC RU644 drains batteries more frequently.
 - While the remote control is actively being moved around the back-lighting stays on. This consumes more power than normal and may require you to change your batteries more frequently. You can easily turn the back-lighting function off to conserve power. To do this please follow the instructions in the backlighting section.
- You can't access teletext pages and you were used to use this (⇌) button to access teletext.
 - Follow Set up procedure and at step 5 of section "Your equipment is of another brand, or your equipment is a Philips brand, but not all keys respond correctly" press keys 0, 0, 6 and 4. To enter teletext pages, press the subtitle button.



Codes

TV

SETUP CODES FOR TELEVISION

AGB.....	0543	Contec.....	0036, 0063
ASA.....	0114, 0131, 0322	Continental Edison.....	0223, 0225, 0360, 0426, 0528
Acura.....	0036	Crosley.....	0101, 0103, 0111, 0114, 0240, 0374
Admiral.....	0114, 0190, 0240, 0313	Crown.....	0397, 0036, 0064, 0103, 0445
Adyson.....	0059, 0244	Crystal.....	0458
Akai.....	0388, 0378, 0235, 0543	Cybertron.....	0245
Akito.....	0299	Daewoo.....	0036, 0064, 0401, 0526
Akura.....	0245, 0396	Dainichi.....	0242, 0245
Alba.....	0064, 0036, 0245, 0063, 0076, 0262, 0398, 0422	Dansai.....	0064
Allorgan.....	0321	Dayton.....	0036
Amplivision.....	0244, 0427	De Graaf.....	0235, 0390, 0575
Amstrad.....	0036, 0064, 0204, 0381, 0389, 0396, 0398, 0460, 0439, 0543	Decca.....	0064, 0099, 0276, 0299, 0543
Anitech.....	0036, 0103	Dixi.....	0036, 0064
Arc En Ciel.....	0528	Dual.....	0363, 0379, 0571
Arcam.....	0244	Dual Tec.....	0244
Asberg.....	0103	Dumont.....	0114, 0097, 0322, 0374
Asuka.....	0245	Elbe.....	0286
Atlantic.....	0233	Elin.....	0064, 0575
Autovox.....	0233, 0264, 0114, 0571, 0103, 0313, 0322, 0363	Elite.....	0245, 0347
BPL.....	0309	Elta.....	0036
BSR.....	0321	Emerson.....	0114, 0240, 0388
BTC.....	0245	Erres.....	0039, 0064
Baird.....	0584	Europhon.....	0543
Bang & Olufsen.....	0114	Expert.....	0233
Barco.....	0579	Ferguson.....	0064, 0100, 0136, 0217, 0265, 0314, 0362
Basic Line.....	0036, 0245	Fidelity.....	0388, 0390, 0571
Baur.....	0037, 0064, 0376, 0388, 0539, 0571, 0581	Finlandia.....	0373, 0386, 0235, 0390
Beko.....	0513, 0397	Finlux.....	0064, 0097, 0099, 0114, 0131, 0132, 0206, 0322, 0373, 0374, 0438, 0543
Beon.....	0064	Firstline.....	0348, 0036, 0243, 0244, 0274, 0321, 0558
Binatone.....	0244	Fisher.....	0131, 0235, 0244, 0397, 0571, 0582
Blaupunkt.....	0218, 0227, 0240, 0354, 0355, 0581	Flint.....	0482
Blue Sky.....	0245	Formenti.....	0347, 0064, 0374, 0579, 0114, 0240
Blue Star.....	0309	Frontech.....	0190, 0274, 0390, 0458, 0475
Bondstec.....	0274	Fujitsu.....	0099, 0233
Boots.....	0244	Funai.....	0206, 0321
Brandt.....	0136, 0223, 0225, 0360, 0362, 0528	GBC.....	0579
Brandt Electronic.....	0528	GEC.....	0070, 0099, 0064, 0244, 0543, 0584
Brionvega.....	0114, 0389	GPM.....	0245
Bruns.....	0114	Galaxi.....	0327
Bush.....	0036, 0063, 0064, 0245, 0299, 0309, 0321, 0376, 0390, 0398, 0401, 0579	Geloso.....	0036, 0240, 0374
CGE.....	0101, 0103, 0111, 0274, 0579	Genexxa.....	0190, 0245
CTC.....	0274	GoldStar.....	0064, 0136, 0244, 0317, 0390, 0404
Carrefour.....	0063	Goodmans.....	0063, 0064, 0099, 0206, 0244, 0262, 0344, 0398, 0401, 0526
Cascade.....	0036	Gorenje.....	0397
Cathay.....	0064	Graetz.....	0388, 0584, 0374, 0190
Centurion.....	0064	Granada.....	0386, 0064, 0099, 0235, 0378, 0390, 0543, 0072, 0244, 0366
Century.....	0114, 0240	Grandin.....	0309, 0637
Cimline.....	0036		
Clarivox.....	0064		
Clatronic.....	0103, 0274, 0397		
Condor.....	0347, 0397		

CODE LIST

Codes

Grundig.....0097, 0218, 0264, 0514, .....0581, 0583, 0614	Manesth.....0244, 0262, 0347
HCM.....0036, 0309, 0439	Marantz.....0064, 0583
Hanseatic ...0388, 0064, 0347, 0455, .....0571, 0583	Marelli.....0114
Hantarex.....0543	Mark.....0064
Harwood.....0284	Matsui.....0036, 0038, 0062, 0063, 0064, 0099, 0204, 0235, 0244, 0262, 0299, 0321, 0381, 0390, 0398, 0470, .....0514, 0543, 0571
Hifivox.....0528	McMichael.....0070
Hinari.....0036, 0063, 0064, 0206, .....0245	Mediator.....0039, 0064
Hisawa.....0309, 0427, 0482	Memorex.....0036
Hitachi.....0059, 0063, 0070, 0071, 0132, 0136, 0190, 0223, 0225, 0244, 0252, 0374, 0376, 0383, 0390, 0575, .....0584	Memphis.....0364
Huanyu.....0401	Metz ..0114, 0240, 0266, 0302, 0394
Hypson.....0064, 0309	Minerva.....0097, 0264, 0514, 0581
ICE.....0244, 0398	Minoka.....0396, 0439
ICeS.....0245	Mitsubishi ..0063, 0114, 0135, 0264, .....0381, 0539
ITC.....0579	Mivar.....0317, 0318, 0319, 0543
ITS.....0398	Motion.....0103
ITT ...0584, 0374, 0388, 0378, 0190, .....0034, 0405, 0571, 0575	Multitech....0036, 0103, 0129, 0390
Imperial.....0101, 0103, 0111, 0274, .....0397, 0445, 0579	Myryad.....0583
Indesit.....0264	NEC.....0197
Indiana.....0064	NEI.....0064, 0364, 0458
Ingelen.....0584, 0190	National.....0264
Inno Hit.....0099, 0543	Neckermann.....0064, 0114, 0218, .....0240, 0376, 0390, 0581, 0583
Interbuy.....0095	Nesco.....0206
Interfunk ...0064, 0388, 0584, 0539, .....0190, 0274, 0528	Nicam.....0571
Intervision ..0064, 0129, 0244, 0404	Nikkai.....0059, 0062, 0064, 0099, .....0245, 0364
Isukai.....0245	Nobluko.....0103, 0129
JVC....0063, 0080, 0121, 0217,0398, .....0633, 0680	Nogomatic.....0528
Kaisui.....0036, 0244, 0245, 0309	Nokia.....0388, 0500, 0507, 0575, .....0633, 0658
Kapsch.....0584, 0190, 0233	Nordmende.....0136, 0223, 0225, .....0240, 0314, 0528
Karcher.....0637	Oceanic.....0388, 0242, 0374, 0190
Kathrein.....0583	Onwa.....0460
Kendo.....0064, 0262, 0389	Orion 0064, 0204, 0262, 0321, 0347, .....0348, 0543,0571
Kennedy.....0579	Osaki ..0059, 0099, 0244, 0245, 0439
Kneissel.....0286, 0462	Oso.....0245
Korpel.....0064	Osume.....0059, 0099
Korting.....0114, 0315	Otake.....0344
Koyoda.....0036	Otto Versand.....0037, 0063, 0064, 0218, 0240, 0244, 0347, 0374, 0376, .....0539, 0579, 0581, 0583
Leyco.....0064, 0099, 0321	Palladium....0397, 0390, 0456, 0445
Liesenk & Tter.....0064	Panama.....0244
Lloytron.....0059	Panasonic ...0153, 0190, 0240, 0253, 0264, 0367, 0374, 0394, 0584, 0677
Loewe.....0539, 0114, 0102, 0316	Pathe Cinema.....0240, 0265, 0347, .....0579
Luma.....0233, 0390, 0332	Pathe Marconi.....0223, 0225, 0360.....0528
Luxor.....0264, 0388, 0390, 0384, .....0221, 0376, 0383, 0405	Pausa.....0036
M Electronic.....0036, 0064, 0131, 0132, 0136, 0190, 0244, 0314, 0373, .....0401, 0507	Perdio.....0347
MTC.....0376, 0539	Phase.....0059
Magnadyne ..0114, 0129, 0274, 0374, .....0543, 0571	Philco.....0101, 0103, 0111, 0114, .....0240, 0274, 0579
Magnafon ...0129, 0543, 0103, 0240, .....0341	Philex.....0378

TV

CODELIST

Codes

TV

Philips0039, 0064, 0070, 0114,
 0350, 0359, 0401, 0581, 0583, 0632,
0883
Phoenix0114
Phonola0039, 0064, 0114
Pioneer0136, 0190, 0193, 0314
Prandoni Prince0543
Profex0036, 0103, 0388, 0390
Proline0348
Protech0036, 0064, 0129, 0244,
0274, 0364, 0445, 0458, 0579
Pye0039
Quelle0037, 0038, 0064, 0097,
 0101, 0111, 0131, 0227, 0240, 0279,
 0322, 0354, 0355, 0388, 0539, 0571,
0579, 0581
Questa0063
R-Line0064
RBM0097
RFT0114, 0455
Radiola0064, 0350, 0039
Radiomarelli0114, 0543
Rank Arena0063
Rediffusion0388, 0378
Revox0064
Rex0190, 0233, 0286, 0332
Roadstar0036, 0245, 0445
SBR0039, 0064, 0070
SEG0063, 0103, 0244, 0579
SEI0037, 0114, 0129, 0204, 0240,
0321, 0374, 0543, 0571
Saba .0102, 0114, 0136, 0190, 0223,
 0225, 0240, 0314, 0362, 0374, 0528,
0584
Saccs0265
Sagem0637
Saisho0036, 0038, 0204, 0262,
0381, 0458, 0543, 0571
Salora0190, 0221, 0376, 0383,
0386, 0388, 0390, 0575
Sambers0129, 0103, 0543, 0240
Samsung0036, 0064, 0244, 0317,
0397, 0515, 0583, 0614, 0671
Sanyo0038, 0063, 0099, 0131,
0235, 0240, 0366
Schaub Lorenz0388, 0374, 0584
Schneider0064, 0245, 0274, 0350,
0363, 0379, 0398, 0421, 0571
Seleco0233, 0286, 0190, 0332,
0389, 0438
Sentra0062
Sharp0120, 0063
Shorai0321
Siarem0114, 0543, 0129, 0240,
0374
Siemens0064, 0218, 0227, 0240,
0354, 0355, 0374, 0581
Silver0063
Singer0114
Sinudyne0571, 0543, 0129, 0037,
 0114, 0204, 0240, 0262, 0321, 0374
Skantic0384, 0383
Solavox0059, 0190, 0378
Sonitron0235
Sonoko0036, 0064
Sonolor0190, 0235, 0242
Sontec0064
Sony0037, 0038, 0063, 0256
Soundwave0064, 0445
Standard0244, 0245, 0036
Stern0233, 0190, 0286, 0332
Sunkai0321, 0348
Susumu0245
Systine0064
Tandberg0322
Tandy0099, 0190, 0244, 0245
Tashiko0063, 0070, 0244, 0386,
0390
Tatung0064, 0099, 0244, 0276,
0543
Tec0579, 0244, 0274
Technema0347
Technics0677
Technol Ace0206
Teleavia0360, 0517, 0528
Telefunken .0101, 0111, 0128, 0136,
 0240, 0279, 0289, 0362, 0498, 0528,
0593
Telemeister0347
Teletech0036
Teleton0233, 0063, 0244, 0376,
0390
Tensai0245, 0321, 0344, 0347
Texet0245
Thomson0136, 0223, 0225, 0264,
 0314, 0360, 0376, 0426, 0517, 0528
Thorn0062, 0064, 0099, 0101,
 0111, 0131, 0217, 0388, 0526, 0539,
0580
Tomashi0309
Toshiba0062, 0063, 0097, 0270,
0472, 0580
Towada0579
Triumph0204, 0270, 0543
Uher0233, 0347
Ultra0219
Ultravox0129, 0378
Universum .0064, 0131, 0132, 0373,
0397, 0448, 0519, 0579
Vestel0064
Videosat0274
Videotechnic0244
Vision0347
Voxson0114, 0190
Waltham0383, 0244
Watson0347, 0064
Watt Radio0129, 0571, 0579
Wega0114, 0063
White Westinghouse0064, 0347
Yoko0064, 0244, 0458
Zanussi0332, 0233, 0390

CODE LIST

Codes

SETUP CODES FOR VCR

ASA	0108, 0064	.....0430	
Aiwa	0334, 0027, 0375, 0379	HCM.....0099, 0320	
Akai	0068, 0080, 0133, 0308, 0312,	Hanseatic.....0064	
.....	0342	Hinari	0031, 0099, 0235, 0267,
Akiba	0099	.....	0320, 0379
Alba	0047, 0305, 0379, 0099, 0236,	Hitachi.....0027, 0031, 0068, 0069,	
.....	0320, 0322, 0342, 0360, 0361	.....	0132, 0193, 0267, 0312
Ambassador	0047	Hypson	0099
Amstrad	0027, 0352, 0359, 0305	ITT.....0068, 0073, 0131, 0133, 0267,	
Anitech.....	0099	.....	0411
Asuka	0064	ITV	0047, 0064, 0305
Baird.....	0131, 0027, 0068, 0134	Imperial	0027
Basic Line	0305, 0047, 0099	Ingersol.....	0031
Blaupunkt	0030, 0033, 0061, 0181,	Interfunk.....	0108
.....	0189, 0222, 0253, 0254, 0430	JVC	0035, 0068, 0094, 0233, 0411
Blue Sky	0305	Kaisui.....	0099
Brandt	0214, 0347, 0348	Kendo	0133, 0236
Brandt Electronic.....	0068	Kenwood	0068
Bush	0099, 0360, 0361, 0379, 0236,	Korpel	0099
.....	0305, 0320	Lenco	0305
CGE	0027	Leyco.....	0099
Catron	0047	Loewe	0031, 0033, 0064, 0108,
Cimline.....	0099	.....	0189, 0481, 1189
Clatronic.....	0047	Logik	0031, 0267
Combitech	0379	Luxor	0073, 0133, 0070, 0075,
Condor.....	0047	.....	0089, 0131
Crown	0047, 0099, 0305	M Electronic	0027, 0065
Cyrus.....	0108	Manesth.....	0072, 0099
Daewoo.....	0305, 0047	Marantz.....	0108, 0173, 0033, 0030,
Dansai	0099	.....	0089, 0322
De Graaf	0069, 0193	Matsui.....	0031, 0063, 0115, 0219,
Decca.....	0027, 0108	.....	0235, 0236, 0322, 0375, 0379
Denon.....	0069	Memorex	0131, 0027, 0064, 0073
Dual.....	0068	Memphis.....	0099
Dumont.....	0108, 0027, 0131, 0132	Metz	0030, 0033, 0064, 0374, 0189,
ESC.....	0267, 0305	.....	0222, 0254, 0374, 0481, 1189
Elbe.....	0065	Minerva	0033, 0222
Elcatech.....	0099	Mitsubishi.....	0070, 0094, 0108
Ferguson	0068, 0134, 0347, 0348,	Multitech	0027, 0099
.....	0520	Murphy	0027
Fidelity.....	0027	Myryad	0108
Finlandia	0108, 0131	NEC	0065, 0068, 0094
Finlux	0069, 0108, 0027, 0131, 0132	Neckermann	0108
Firstline	0099, 0064, 0070, 0072,	Nesco	0099
.....	0236	Nokia.....	0068, 0073, 0131, 0133, 0267
Fisher	0073, 0074, 0081, 0131	Nordmende.....	0068, 0347, 0348, 0411,
Frontech	0047	.....	0521
Funai.....	0027	Oceanic.....	0027, 0068
GEC.....	0108	Okano	0342, 0375
General.....	0047	Orion	0031, 0063, 0115, 0235, 0236,
GoldHand.....	0099	.....	0322, 0360, 0361, 0375, 0379
GoldStar.....	0064, 0252	Osaki	0027, 0064, 0099
Goodmans	0099, 0305, 0027, 0089,	Otto Versand	0108
.....	0047, 0064, 0430	Palladium	0033, 0064, 0068, 0099
Graetz.....	0068, 0131, 0267	Panasonic.....	0189, 0253, 0254, 0481,
Granada.....	0073, 0108, 0131, 0312	.....	1189
Grandin.....	0027, 0064, 0099	Pathe Cinema	0063
Grundig.....	0030, 0033, 0034, 0099,	Pathe Marconi	0068
.....	0108, 0222, 0253, 0320, 0374, 0376,	Pentax	0069, 0132
		Perdio.....	0027
		Philco.....	0065

TV

VCR

CODELIST

Codes

Philips	0108, 0173, 0430, 0494, 0411, 0830	Uher	0267
Phonola	0108	Universum	0027, 0033, 0064, 0108, 0133, 0222, 0267, 0352
Pioneer	0094, 0108	Yamishi	0099
Portland	0047	Yokan	0099
Profex	0349	Yoko	0267, 0047
Profitronic	0267		
Proline	0027, 0320		
Pye	0108		
Quartz	0073		
Quelle	0108		
RFT	0430		
Radiola	0108		
Rex	0068, 0411		
Roadstar	0064, 0099, 0267, 0305		
SBR	0108, 0173		
SEG	0267, 0349		
SEI	0031, 0108		
Saba	0068, 0233, 0347, 0348, 0411, 0521		
Saisho	0031, 0063, 0115, 0235, 0236		
Salora	0070, 0073, 0133		
Samsung	0267, 0459		
Sansui	0068, 0094		
Sanyo	0073, 0131		
Saville	0379		
Schaub Lorenz	0027, 0068, 0131		
Schneider	0108, 0027, 0099		
Seleco	0068		
Sentra	0047		
Sharp	0089, 0075		
Shintom	0099, 0131		
Shorai	0031		
Siemens	0030, 0033, 0064, 0081, 0108, 0131, 0173, 0222		
Silva	0064		
Singer	0072		
Sinudyne	0031, 0108		
Solavox	0047		
Sonolor	0073, 0089		
Sontec	0064		
Sony	0038, 0059, 0060, 0061, 1059		
Sunkai	0375		
Sunstar	0027		
Suntronic	0027		
Tashiko	0027		
Tatung	0108, 0027, 0068		
Tec	0047		
Technics	0189, 0253		
Teleavia	0068, 0520		
Telefunken	0068, 0214, 0347, 0348, 0411, 0520, 0521		
Tenosal	0099		
Tensai	0027, 0349		
Thomson	0068, 0347, 0411, 0520, 0521		
Thorn	0063, 0068, 0131		
Toshiba	0068, 0070, 0072, 0108, 0411		
Towada	0349		
Triumph	0235		

SETUP CODES FOR SATELLITE

Absat	0150, 0859
AST	0348, 0378
Akai	0542
Alba	0389, 0448, 0482, 0542, 0640
Aldes	0315
Allantide	0360
Amstrad	0107, 0240, 0279, 0365, 0372, 0488, 0528, 0702, 0716, 0874
Ankaro	0315, 0244, 0247, 0396, 0546
Anttron	0210, 0448
Arcon	0395
Armstrong	0270
Asat	0400
Astra	0135, 0400, 0545, 0566
Astro	0200, 0385, 0528, 0547
AudioTon	0391
Avalon	0423
Axis	0393, 0396, 0557, 0861
BT	0695, 0542, 0737
Barcom	0244
Best	0396, 0244
Blaupunkt	0200
Boca	0270, 0540, 0856
Brain Wave	0359
British Sky Broadcasting	0874
Bush	0094
CNT	0547
Cambridge	0542
Canal Digital	0880
Canal Satellite	0880
Canal+	0880
Channel Master	0389
CityCom	0142, 0421, 0845
Commlink	0315
Connexions	0423, 0485
Conrad	0142, 0634
Contec	0393
Crown	0270
Cyrus	0227
DDC	0389
DNT	0423, 0227, 0485
Daewoo	0400
Diskxpress	0244
Distratel	0111, 0912
EIF	0444

TV

SAT

CODE LIST

Codes

Echostar.....0194, 0423, 0740, 0880, .....0898	Maspro.....0119, 0777, 0522, 0355, .....0363
Elta.....0391	Matsui.....0598
Emanon.....0448	MediaSat.....0880
Eurodec.....0551	Mediamarkt.....0270
Eurostar.....1052, 1053	Memphis.....0393
Eutra.....0825	Metronic.....0111
FTE.....0358, 0438, 0890	Micro Technology.....0360, 0566
Ferguson.....0363, 0210, 0094, 0641	Micronik.....1030
Fidelity.....0279, 0702	Minerva.....0598
Finlux.....0135, 0424, 0441, 0482	Morgan's....0159, 0270, 0540, 0710, .....0856, 1130
Fracarro.....0898	Multichoice.....0669, 0906
Freecom.....0362, 0448, 0761	Multistar.....0358
Fuba ..0199, 0244, 0396, 0423, 0441, .....0444, 0448	Muratto.....0362
G-Sat.....0210	Myryad.....0227
Galaxis.....0310, 0315, 0391, 0393, 0683, 0840, 0860, 0861, 0890, 1138	Navex.....0359
Galaxisat.....0348	Neuhaus.....0247, 0528
Gardiner.....0845	Neusat.....0719, 0861
Gold Box.....0880	Next Wave.....0759
GoldStar.....0362	Nikko.....0740
Gooding.....0598	Nokia.....0135, 0199, 0355, 0424, 0482, 0600, 0778, 0848, 0900, 1050
Grandin.....0872	Nordmende.....0641, 0389
Grundig.....0166, 0167, 0200, 0355, .....0598, 0777, 0832, 0874	Orbitech.....0528
Harting und Helling.....0360	Ondigital.....0160, 0161, 0268
Hinari.....0210	PTT Telecom.....0240
Hirschmann 0200, 0314, 0360, 0423, 0424, 0522, 0528, 0529, 0600, 0825, .....0909	Pace ..0094, 0210, 0266, 0268, 0355, 0363, 0482, 0524, 0747, 0818, 0822, .....0874, 0914
Hitachi.....0482	Palladium.....0598
Houston.....0695	Palsat.....0528
Humax.....0890, 1075	Panasat.....0642, 0906
Huth ..0247, 0270, 0315, 0373, 0391, .....0616, 0821	Panasonic.....0874
ITT.....0135, 0199	Panda.....0482
Ikusi Allsat.....0395	Patriot.....0542
InVideo.....0898	Philips.....0126, 0160, 0161, 0227, 0319, 0355, 0482, 0598, 0694, 0737, .....0777, 0832, 0880, 0925, 1145
Intervision.....0619	Phoenix.....0393
JOK.....0737	Phonotrend.....0315, 0619, 0815
JSR.....0391	Pioneer.....0880
JVC.....0542, 0598	Polytron.....0421
Johansson.....0359	Promax.....0482
Kathrein.....0119, 0150, 0227, 0358, 0385, 0421, 0469, 0507, 0531, 0649, .....0685, 1084, 1085	Prosat.....0315
KeyWest.....0821	Pyxis.....0858
Kosmos.....0358, 0362	Quadral.....0389, 0546, 0655
Kreiselmeyer.....0200	RFT.....0568, 0227, 0247, 0315
Kyostar.....0448	Radiola.....0227
La Sat.....0540, 0547, 0634	Radix.....0423, 0909
Lemon.....0147	SAT.....0348, 0378, 0488
Lenco.....0362, 0400, 0438, 0448	SEG....0396, 0448, 0545, 0566, 0769
Lennox.....0619	SKY.....0883
Lupus.....0396	SM Electronic.....0740
Luxor.....0135, 0199, 0600	Saba ..0363, 0547, 0717, 0737, 0761, .....0912
Macab.....0551, 0878, 0908	Sabre.....0482
Manhattan ...0482, 0547, 0619, 1110	Sagem.....0847
Marantz.....0227	Sakura.....0393
	Salora.....0135, 0199
	Samsung.....0314

SAT

CODELIST

Codes

SatPartner ..0359, 0362, 0448, 0529,
0547, 0719, 0761
Satcom.....0240, 0373, 0632
Satec.....0355, 0210
Satmaster0373
Satstation1110
Schneider.....0832
Schwaiger.....0210, 0421, 0531
Seemann.....0423, 0557
Siemens.....0200, 0710
Skymaster ..0315, 0546, 0632, 0655,
0740, 0907
Sony.....0731, 0874
Strong.....0152, 0899, 0906, 1132
STVI0444
Sunstar0821, 0540
TPS.....0847
Tantec.....0363, 0482
TechniSat0289, 0485, 0528, 0568
Techniland0373
Teco0400
Telefunken0448
Teleka0270, 0640, 0825
Telesat.....0632
Thomson0482, 0880, 1073
Thorens0613
Tonna0373, 0695
Toshiba0164
Triad.....0348, 0360, 0362, 0378
Triasat0528, 0441
Twiner0163
Uniden.....0221, 0819, 0858
Unisat0393
Unitor.....0244, 0359
Universum.....0200, 0598
VTech.....0378, 0717
Vector.....0360, 0545
Ventana0227
Vortec.....0448
Wevasat0360
Winersat.....0359
Wisi ..0200, 0348, 0378, 0399, 0423,
0482, 0665, 0717
XSat0150, 0916
Xcom Multimedia.....0916
Zehnder0141, 0348, 0358, 0547,
0579, 0845
Zenith0883
Zwergnase.....0821

SETUP CODES FOR CABLE

Birmingham Cable Communications
0303
British Telecom0030, 0132
Cabletime0298
Decsat0450
Filmnet.....0470
France Telecom.....0478
HyperVision0646
Jerrold.....0303, 0030
MNet0470
Nokia0708
PVP Stereo Visual Matrix.....0030
Philips.....0646
Sagem0844
Scientific Atlanta0035, 0304
Tele+10470
United Cable0030
Westminster.....0132

SETUP CODES FOR
DIGITAL VIDEO DISC

Akai0638
Denon.....0517
JVC.....0585, 0650
Kenwood.....0517, 0561
Onkyo.....0639
Oritron.....0678
Panasonic0517
Philips.....0566
Pioneer.....0552, 0598
Samsung0600
Sony0560
Technics.....0517
Thomson0578
Toshiba0530
Yamaha0572
Yamakawa0692

SAT

SAT

CODELIST

Note your Codes

TV

Equipment _____

Brand _____

Model number _____

Number of original remote _____

Code _____

VCR

Equipment _____

Brand _____

Model number _____

Number of original remote _____

Code _____

SAT

Equipment _____

Brand _____

Model number _____

Number of original remote _____

Code _____

DVD

Equipment _____

Brand _____

Model number _____

Number of original remote _____

Code _____

Helpline



Österreich	01 546575609
België/Belgique	02 7172458
Danmark	35258758
Finland	09 22948258
France	03 87 17 00 87
Deutschland	0211 65791158
Ελλάδας	00800 3122 1219
Ireland	01 6011158
Italia	02 48271158
Nederland	053 4849106
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Suisse/die Schweiz	01 2120045
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Certificat de
garantie
Garantiebewijs
Záruční list**

**Garantieschein
Certificado de
garantía
Certificato di
garanzia
Karta
gwarancyjna**

**Certificado de
garantia
Garantibevís
Takuutodistus
Εγγύηση
Гарантия**

1	year	warranty	anno	garanzia
	année	garantie	ano	garantia
	jaar	garantie	år	garanti
	Jahr	Garantie	vuosi	takuu
	año	garantía	χρόνος	εγγύηση
	rok	gwarancyjna	год	Гарантия

Type: _____

Serial nr.: _____

Date of purchase - Date d'achat - Koopdatum - Kaufdatum - Fecha de compra -
Data di acquisto - Data da compra - Inköpsdat - Køpedatum - Kjøpedato -
Ostopäivä - Ημερομηνία αγοράς - Datum nákuupu - Data zakupu - Дата
приобретения

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Återförsäljarens namn, adress och namnteckning

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Myyjän nimi, osoite ja allekirjoitus

Iméno prodeyce, adresa a podpis

Nazwa, adres punktu sprzedaży i podpis sprzedawcy

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