

OPERATING INSTRUCTIONS FOR PREPROGRAMMED REMOTE CONTROLS BY BRAND

SN-9100

BRANDS OF THE SONY - PANASONIC - SAMSUNG GROUP

DESCRIPTION

1. LED indicator.
2. Access to "secondary functions".
3. Access to Teletext functions (only on some models).
4. Switch key to access additional memory for copying functions by the learning procedure.
5. Main functions and code entry keys.
6. TV: On/Off or access to the automatic Device-Code search.
7. VCR: Play or access to the automatic Device-Code search.
8. Internal RESET key (to be used only in the specified cases).
9. Key to initialize programming, search or code visualising procedures.

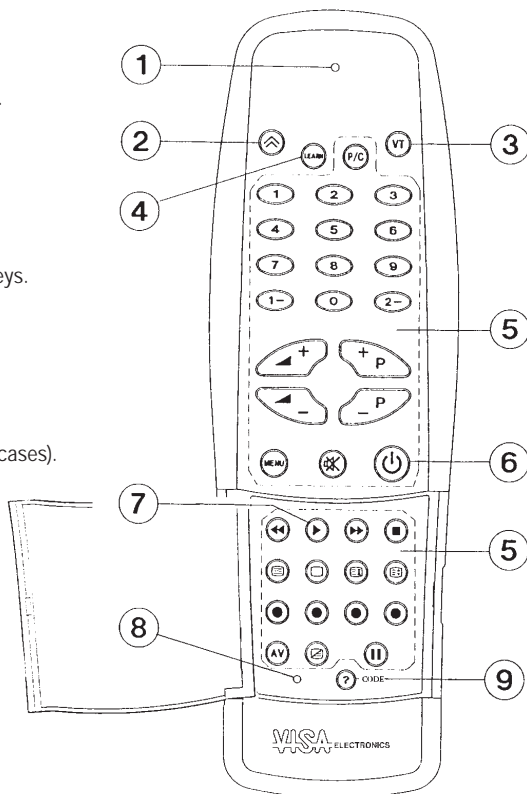


Fig. 1

RAPID SET-UP

HOW TO MAKE YOUR REMOTE CONTROL FUNCTION IMMEDIATELY

OPEN THE BATTERY COVER AND INSERT 2 NEW ALKALINE BATTERIES, TYPE AAA/LR03 1,5V AND CLOSE THE BATTERY COVER.

- SWITCH THE TELEVISION SET ON.
- OPEN THE FRONT COVER OF THE REMOTE CONTROL, PRESS AND RELEASE THE «CODE» KEY AND ENTER
- POINT THE REMOTE CONTROL TOWARDS THE TV SET.
- PRESS AND KEEP PRESSED THE ON/OFF KEY.
- RELEASE IMMEDIATELY THE ON/OFF KEY ONCE THE TV SWITCHES OFF.
- CHECK THAT THE REMOTE CONTROL OPERATES THE MAIN FUNCTIONS.
- IN THIS CASE
- **THE UNIT IS READY.**
- OTHERWISE REPEAT AGAIN PROCEDURE.

TO KNOW MORE...

TO MAKE THE BEST USE OF YOUR NEW REMOTE CONTROL WE RECOMMEND THAT YOU READ IN FULL AND RETAIN THESE INSTRUCTIONS

MAIN FEATURES:

The new remote control you are about to use is preprogrammed to replace almost all of the original TV remote controls of this brand (or group of brands) and, in their basic functions, most brands of VCR remote controls.

- It fully replaces the original TV remote control, including the teletext/fasttext (if available on the original).
- It operates **simultaneously** a TV and a VCR with no additional operation required once the respective codes have been inserted.
- The buttons are identified by the symbols of the original remote control
- It can learn up to 19 additional functions from another remote control (TV, VCR, SAT, etc.)
- Its use is **further facilitated** by the LED indicator (① Fig.1) which emits a short flash, every time a button is pressed to transmit a command, or a series of flashes, when performing operations as described below.

PRELIMINARY OPERATIONS

To set the remote control to operate your TV and/or VCR it is necessary to perform the simple operations as described in the attached instructions, which we recommend you read in full and keep for future reference.

Open the battery cover and insert two 1.5V mini batteries of the type LR03 (AAA) observing the polarity as indicated.

Close the battery cover and proceed on setting up your remote control.

N.B.: Open the front cover of your remote control to access other functions.

1) HOW TO PROGRAM THE REMOTE CONTROL FOR TVs

If you know the model of the original remote control, please read paragraph "1.1" here below: **TV, manual programming**; if not, go to paragraph "1.2": **TV, automatic search and programming**.

1.1) TV, MANUAL PROGRAMMING

1.1.A) Look for the brand and the model of the original remote control in table B, page 4-5, and make a note of the code that corresponds to it. (If you do not find this match, go to paragraph "1.2":

TV, automatic search and programming).

1.1.B) Press and release the « ? CODE » button (⑨ Fig. 1) and immediately watch the LED, which will signal a short flash.

1.1.C) Enter the code using the numeric buttons (see group ⑤ Fig. 1) and immediately watch the LED.

If the LED emits two short flashes (OK) the remote control is ready. (See also paragraph

"1.3": Secondary Functions). If the LED emits one long flash (**error**) you will need to repeat the procedure.

1.2) TV, AUTOMATIC SEARCH AND PROGRAMMING

1.2.A) Switch the TV on, on any channel, and point the remote control towards the set.

1.2.B) Press and release the « ? CODE » button (⑨ Fig. 1) **then press and keep pressed** the OFF button « Ⓞ » (⑥ Fig. 1), **releasing it immediately the set switches off.**

(During the "search" phase, the LED will emit a series of flashes).

1.2.C) Using the remote control, switch the set on again (by pressing the OFF button « Ⓞ » or one of the numeric buttons, depending on the model).

1.2.D) Check that all other buttons are functioning correctly. (See also paragraph "1.3": "Secondary functions").

IF EVERYTHING IS OK! YOUR REMOTE CONTROL IS READY.

We advise you make a note of the code following the instructions in paragraph "3": **Displaying the code.**


If the buttons do not perform correctly, repeat the search procedure. If the set does not switch off within 5 minutes from the start of the search, go to paragraph "5": "What to do if..."

1.3) SECONDARY FUNCTIONS

For maximum simplicity, the number of buttons on your remote control has been limited to functions of most frequent use.

The commands less frequently used, are represented by the orange coloured symbols on the face of the remote or pictured on the appropriate diagram in this manual (Fig. 2, Fig. 3 pag. 8).

N.B. Secondary functions are available **only if present** in the original remote control.

1.3.A) To transmit the required command, press and hold down the «  » button (② Fig. 1) **while simultaneously pressing the button identified for that function.**

2) HOW TO PROGRAM THE REMOTE CONTROL FOR VIDEO RECORDERS

2.1) IF YOU KNOW THE BRAND OF THE VIDEO RECORDER...



N.B. The main functions of the video recorder, once the remote control has been programmed, are accessed by simply pressing the specific buttons.

2.1.A) Look at table C page 6-7 relating to

brands and codes for video recorders. Next to the required brand are listed one or more codes that have to be inserted, in the same way as described for TVs from para. "1.1.B", one at the time, in turn, until the one that operates your VCR correctly is found. (See also **Note 1** at the end of para. "2.2").

Should you not be able to find the correct code for the required brand, or the brand is not listed, go to the next paragraph.



2.2) VCRs, AUTOMATIC SEARCH AND PROGRAMMING

- 2.2.A) Insert a video cassette, preferably blank, and set the video recorder on **STAND BY**.
- 2.2.B) Point the remote control towards your VCR.
- 2.2.C) Press and release the «  CODE », button and then press and keep pressed the «  » (PLAY), button (⑦ Fig. 1), Release the button as soon as the tape starts advancing. (During the search phase the LED will emit a series of short flashes).
- 2.2.D) Stop the tape and check the workings of the other buttons (**See also Note 1**).

IF EVERYTHING IS OK! THE REMOTE CONTROL IS READY.





We advise you make a note of the code just memorized following the instructions in para. "3": **Displaying the code.**

If some commands do not correspond, repeat the search procedure. If the tape does not start advancing within 5 minutes of commencing the search, see para. "5": **"What to do if..."**.

NOTE 1: the RECORD function is accessed by pressing simultaneously the «SHIFT» and «» (orange symbol) buttons. The OFF or STAND BY functions are accessed by pressing simultaneously the «SHIFT» and «» (orange symbol) buttons.

3) DISPLAYING THE CURRENT CODE


Premise:

- Each code is composed of 4 digits.
 - The LED indicates each digit as the sum of a series of short flashes, except for the zero that is represented by one long flash.
 - The LED pauses for approx. 2 seconds in between each digit.
- 3.1) Press and keep pressed the «SHIFT» button.
 - 3.2) Press the «  CODE » button.
 - 3.3) Release both buttons («  CODE » and «SHIFT»).
 - 3.4) Press and release the «  » (OFF) button for TV or «  » (PLAY) for video recorders.

Watch the LED which, after a short flash when pressing the button, will indicate the code as described in the premise.

4) LEARNING FUNCTION

General

SN-9100 can learn from the majority of remote controls on the market (TV, VCR, SAT, etc.) up to a maximum of 19 functions. The commands can be memorized on two memory banks, selected by using the «LEARN», button, using all buttons except «SHIFT», «  CODE », «VT» and «LEARN».

NOTE: the «LEARN» button, to select the second memory bank, is used when wanting to learn functions that are additional to those already in use and all the buttons are full. It is not necessary to select the second memory bank if you want to replace commands on buttons that are not in use.

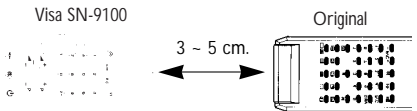
A learned command automatically replaces any pre-existing preprogrammed command. If you make a mistake and forget to select the second memory bank, the original pre-programmed command can be restored by simply cancelling the learned command.


In all cases, it is necessary to cancel a learned command before it can be replaced.

When toggling between memory banks, by pressing «LEARN», the LED flashes once or twice, to indicate which one is active, or not at all if the second is empty.

4.1) Learning procedure.

- a) Place the two remote controls on a level surface as shown in the figure below.



- b) Press and release the «  CODE » button and enter the code «5 5 5». Wait for the LED to emit 5 short flashes and then...
- c) If necessary, select the memory bank by pressing the «LEARN» button (See Note above).
- d) Press the button of the SN-9100 on which you wish to learn, watch the LED which initially will stay on and **within 5 seconds...**
- e) Press and keep pressed the button of the original remote control to be learned, releasing it when the LED goes off (two short flashes shortly after will confirm memorization).
- f) To memorize more commands repeat the procedure from d).

N.B.:

- If the LED emits two long flashes there has been a problem and you have to repeat the procedure from d).
- Exit from the learning function is automatic after approx. 8 seconds of the last operation (or its interruption) and is signaled by a long flash of the LED. To enter the learning func-

tion again repeat from b).

- To learn a new command on a button that has already been memorized it is necessary to first clear the memory (4.2)

4.2) Cancellation procedures.

Cancellation procedures are used when wanting to replace a learned command with another learned command or restore a pre-programmed command (See NOTE above).

4.2.A) Cancellation of only one button.

- Press and release the « ? CODE » button.
 - Enter the code «6 6 6 6».
 - Press the button to be cleared and watch the LED that will confirm cancellation with 2 short flashes.
 - To cancel more commands repeat from a).
- N.B.: Exit from cancellation mode is automatic after approx. 8 seconds of the last operation.

4.2.B) Total cancellation (on all buttons of both memory banks).

- Press and release the « ? CODE » button.
- Enter the code «7 7 7 7» and watch the LED that will confirm cancellation with two short flashes.

5) " WHAT TO DO IF..."

- After the batteries have been inserted, the LED will not flash when pressing the « ? CODE » button?

Check that the batteries have been inserted with correct polarity.

- The automatic search was unsuccessful?
Repeat the operation and **observe the LED**. After a while you will notice that the LED emits 5 short flashes indicating the end of a search cycle. **Keep the search button pressed...**if your machine still does not respond and the LED again emits 5 short flashes, abandon this procedure and **try inserting manually, one by one, following the procedures in the previous chapters, all the codes listed in the tables** (Tab. A for TVs, Tab. C. for VCRs).
- You have some difficulties with the learning function?
Try repositioning the two remote controls changing the distance and/or alignment.
- After a while the operation of the remote control becomes erratic?
Make a note of the codes memorized (see also para. 3) and quickly change the batteries. If no change, press (for example with the tip of a pencil or non sharp object) the internal reset button. **Take notice:** after pressing the RESET button it is necessary to enter again all the required codes.

TAB. A: CODES OF TV

SONY	PANASONIC	SAMSUNG
1001 - 1002 - 1003 - 1004 1005 - 1006 - 1007 - 1008	1009 - 1010 - 1011 - 1012 1013	1014 - 1015 - 1016 - 1017 1018 - 1019 - 1020 - 1021 1022 - 1023 - 1023 - 1024 1025 - 1026 - 1027 - 1028

TAB. B

ORIGINAL SONY MODELS	CODE
1 465 487 11 - 1 465 488 11 - A 1009801 A - A 1009840 A - A 1009866 A - A 1009875 A - A 1470708 A - A 1470716 A - A 1470726 A - A 1470735 A - A 1470738 A - A 1470742 A - A 1470744 A - A 1470745 A - A 1470747 A - A 1470760 A - A 1470779 A - A 1470791 A - A 1470794 A - A 1470806 A - A 1470808 A - A 1470811 A - A 1470813 A - A 1470816 A - A 1470818 A - A 1470839 A - A 1470844 A - A 1470858 A - A 1470876 A - RM (VIDEO 8) - RM 640 - RM 641 A - RM 642 A - RM 644 - RM 646 - RM 649 - RM 650 - RM 651 - RM 652 - RM 653 - RM 654 - RM 655 - RM 657 - RM 658 - RM 661 - RM 661 A - RM 662 - RM 663 - RM 664 - RM 665 - RM 668 - RM 670 - RM 671 - RM 672 - RM 673 - RM 674 - RM 676 - RM 677 A - RM 687 - RM 687 B - RM 827 B - RM 849 T	1001
1465 13411 - 1465 136311 - 1465 79611 - 1465 79621 - 1465 79711 - 1693 14122 - 9196 345 0 - A 1470681 A - A 1470704 A - A 1470712 A - A 1470727 A - A 1470728 A - A 1470741 A - A 1470802 A - A 1470847 A - A 1470859 A - A 1470881 A - RM 669 - RM 677 C - RM 688 - RM 689 - RM 694 - RM 698 - RM 717 A - RM 724 - RM 816 - RM 817 - RM 818 - RM 821 - RM 826 - RM 827 S - RM 828 - RM 845 T - RM 849 S - RMK 1T	1002
RM 637 C - RM 830 - RM 831 - RM 832 - RM 833 - RM 834 - RM 836 - RM 838 - RM 839 - RM 842 - RM 846 - RM 860 - RM 862 - RM 863 - RMV 242	1003
A 1009093 A - A 1009094 A - A 1009098 A - A 1009194 A - A 1009604 A - A 1009614 A - A 1009756 A - A 1009765 A - A 1470562 A - A 1470588 A - A 1470591 A - A 1470594 A - A 1470615 A - A 1470625 A - A 1470631 A - A 1470634 A - A 1470640 A - A 1470648 A - A 1470672 A - A 1470759 A - RM 105 - RM 610 - RM 611 - RM 613 - RM 613 S - RM 613 ST - RM 614 - RM 615 P - RM 620 - RM 621 - RM 622 - RM 623 - RM 624 - RM 625 - RM 630 - RM 631 - RM 632 - RM 633 - RM 634 - RM 635 - RM 636 - RM 637 - RMT 211 - X 43578551 - X 43716151	1004

TAB. B	
ORIGINAL SONY MODELS	CODE
RM 656 - RM 681 - RM 682 - RM 683 - RM 684 - RM 685 - RM 687 C - RM 694/I - 818/I - RM 826/I - RM 841	1005
A 1009005 A - A 1009009 A - A 1009014 A - A 1009022 A - A 1009027 A - A 1009029 A - A 1009041 A - A 1009043 A - A 1009044 A - A 1009057 A - A 1009060 A - A 1009313 A - A 1009379 A - A 1470405 A - RM 604 - RM 604/B - RM 604/F - RM 605 - 604/F - RM 605 - RM 606 - RM 606/A - RM 606/F - RM 609	1006
A 1009042 A - RM 603 B	1007
RM 702	1008
ORIGINAL PANASONIC MODELS	CODE
017040053 - 017040054 - 017040064 - 017040065 - 017040067 - 017040071 - 017040073 - ALPHA - EUR 16541 - EUR 37211 - EUR 50100 - EUR 50369 - EUR 50370 - EUR 50372 - EUR 50535 - EUR 50536 - EUR 50621 - EUR 51140 - EUR 51142 - EUR 51143 - EUR 51169/II - EUR 51200 - EUR 51203 - EUR 51204 - EUR 51207 - EUR 51210 - EUR 51241 - EUR 51253 - EUR 51920 - EUR 51940 - EUR 62531 - EUR 64028 - EUR 64102 B - EUR 64531 - EUR 64541 - EUR 64542 - EUR 64542/31 - EUR 64546 A - EUR 64564 - EUR 64582 - EUR 64598 - THQ 70465 - TNP 107318 AA - TNQ 1408 - TNQ 1410 - TNQ 1411 - TBQ 1412 - TNQ 1414 - TNQ 1416 - TNQ 1420 - TNQ 1442 - TNQ 1455 - TNQ 1482 - TNQ 1487/1 - TNQ 1628 - TNQ 1E 2607 - TNQ 1E 2611 - TNQ 2403 - TNQ 2442 - TNQ 2443 - TNQ 2447 - TNQ 2448 - TNQ 2459 - TNQ 2498 - TNQ 2607 - TNQ 2611 - TNQ 2637 - TNQ 611 - TNQ 696 - TNQ 8E 0401 - TNQ 8E 0402 - TNQ 8E 0403 - TNQ 8E 0404 - TNQ 8E 0405 - TNQ 8E 0406 - TNQ 8E 0407 - TNQ 8E 0408 - TNQ 8E 0409 - TNQ 8E 0410 - TNQ 8E 0411 - TNQ 8E 0412 - TNQ 8E 0413 - TNQ 8E 0414 - TNQ 8E 0415 - TNQ 8E 0417 - TNQ 8E 0418 - TNQ 8E 0419 - TNQ 8E 0421 - TNQ 8E 0422 - TNQ 8E 0423 - TNQ 8E 0428.1 - TNQ 8E 0430 - TNQ 8E 0434 - TNQ 8E 0438 - TNQ 8E 0439 - TNQ 8E 0440 - TNQ 8E 0432 - TNQ 8E 0441 - TNQ 8E 0442 - TNQ 8E 0835 - Tzs 1EK 001 - VEQ 0528	1009
EUR 501100 - EUR 501101 - EUR 501120 A - EUR 50623 - EUR 50624 - EUR 50700 - EUR 50752 - EUR 530754 - EUR 50755 - EUR 50756 - EUR 50757 - EUR 51144 - EUR 51805 - EUR 51921 - EUR 61550 - EUR 64150 - EUR 641550 - EUR 64510 - EUR 645645 - TNQ 10464 4 D13 - TNQ 8E 70446 - TNQ 8E 0428 - TNQ 8E 0435 - TNQ 8E 0436 - TNQ 8E 0443 - TNQ 8E 0445 - TNQ 8E 0446 - TNQ 8E 0448 - TNQ 8E 0449 - TNQ 8E 0453 - TNQ 8E 0454 - TNQ 8E 0461 - TNQ 8E0499	1010
017040017 - EUR 51169 - TNQ 1417 - TNQ 1426 - TNQ 1458 - TNQ 1621 - TNQ 1629 1 - TNQ 1633 - TNQ 1634 - TNQ 1672 - TNQ 1684	1011
TC 150 E	1012
TNQ 1603	1013
ORIGINAL SAMSUNG MODELS	CODE
33004 540 031 - 3F14 00031 040 - 3F14 00031 170 - 3F14 00031 181 - 3F14 00032 140 - 3F14 00033060 - 3F14 00033 071 - 3F14 00034 140 - 3F14 00034 141 - 3F14 00034 840 - 931234567890 - RM 109 - RM 113	1014
32199 101 020 - 33004 430 241 - 3F14 0000 313 - 3F14 00003 330 - 3F14 00004 250 - 3F14 00007250 - 3F14 00007 253 - 3F14 00007 311 - 3F14 00007 313 - 3F14 00007 330/II - 3F14 00009 103 - M 701 - REM 07 - REM 101 - REM 23 - RF 1400009103 - RM 101 - TM 07	1015
3F14 026 050	1016
3F14 00007 330 - 3F14 00024060 - 3F14 00034 790 - CB 528 Z - CH 116 - RM 103	1017
3F14 00007 010 - 3F14 00007410 - RM 097 -	1018
610 048 5891	1019
3F14 00016 040 - 3GB B600649	1020
39202 206 060 - 39202 206 160	1021
RM 100	1022
3F14 00022 112	1023
3F14 00038 091 - 3F14 00038092 - 3F14 00038 092/I - 3F14 00098091 - CF 5035 Z - C.J 044	1024
INFR.REM.CONTR./I	1025
3F14 00040 141	1026
ALCUNI MODELLI / SOME MODELS	1027
ALCUNI MODELLI / SOME MODELS	1028

TAB. C - BRANDS AND CODES OF THE VIDEO RECORDERS

ACCENT	2027	GELOSO	2001 2021 2027	NEC	2013 2013
ADMIRAL	2020	GENERAL TECHNIC	2012 2021 2027 2054	NECKERMANN	2004 2012 2013 2020 2030 2043 2080
ADYSON	2021	GOLDHAND	2021 2027	NECOLA	2017
AIM	2041	GOLDMEDAL	2027 2054	NEI	2080
AIOSTAY	2054	GOLDSTAR	2017 2025 2054	NESCO	2054
AWA	2031 2037 2054	GOODMANS	2027 2054	NKKAI	2017
AKAI	2009 2010 2013 2022 2029 2032 2033 2040	GR 15	2027	NOKIA >>ITT/NOKIA	
AKASHI	2027	GRANADA	2004 2013 2020 2053 2080	NORDMENDE	2001 2004 2005 2013 2057 2058 2059 2060 2067
ALBA	2021	GRANDIN	2017 2027	OCEANIC	2004 2006 2020 2022 2081
AMSTRAD	2054	GRUNDING	2009 2010 2012	OKANO	2027
ANGLO	2054	HANSEATIC	2009 2017 2025 2027 2080	OLYMPUS	2053
ANITECH	2021 2080	HANTAREX	2017	OMEGA	2054
APHEL SOUND	2054	HARMAN/KARDON	2025	ORION	2028 2034 2035 2037 2054 2055 2081
ASA	2017 2054 2080	HCM	2027	OSAKI	2017 2027 2054
ASTRA	2054	HINARI	2021 2027	OSIO	2017
ASUKA	2017	HITACHI	2004 2013 2018 2019 2043 2054	OTTO VERSAND	2001 2009 2010 2025 2080
ATLANTIC	2017 2020	HMV	2013	PALLADIUM	2004 2012 2013 2020 2025 2043 2054 2080
AUDIO DYNAMIC	2025	HYPER	2027	PALSONIC	2017 2054
AUDIOSONIC	2017 2021 2027	IMPERIAL	2020 2030 2054	PANASONIC	2004 2052 2053 2057 2074
AUTHENTIC	2013	INNO HIT	2027 2030	PANORAMA	2017
AUTOVOX	2017 2080	INTERBUY	2027	PATHE CINEMA	2012
AWA	2040	INTERVIDEO	2017 2054	PATHE MAR >>THOMSON	
AWATRON	2054	INTERVISION	2021 2025 2027 2054	PCM	2017
BAIRD	2013	IRRADIO	2017 2020 2027 2080	PENTAX	2043
BANG & OLUFSEN	2013 2080	ITT/NOKIA	2004 2005 2013 2020 2030 2040 2081	PERDIO	2054
BAUER - BOSCH	2009 2012 2080	JASON	2017	PHILCO	2013 2020 2025 2054
BEAULIEU	2080	JVC	2013 2067 2069 2070 2071 2072	PHILIPS	2006 2012 2076 2077 2080 2083
BLAUPUNKT	2009 2010 2012 2053 2074	K-MART	2017	PHONOLA >>PHILIPS	
BLUESTAR	2021	KAISUJI	2027	PILOT	2017
BONDSTEC	2021 2027	KAMBROOK	2054	PIONEER	2013 2038 2039 2043 2080 2083
BRANDT >>THOMSON		KANSAI	2021 2027 2054	PLAYSONIC	2020
BRAUN	2053	KENDO	2028	PORTLAND	2017
BRIONVEGA	2004 2013 2020	KENWOOD	2013 2020 2025	PROFEX	2021
BRUNS	2021 2027	KIC	2054	PROLINE	2027 2054 2080
BUSH	2021 2027	KOENIG	2001 2030	PROSCO	2017 2054
C G E	2013 2020 2054	KOERTING	2080	PYE>PHILIPS	
CANON	2012 2053	KRONNE	2025	QUELLE>UNIVERSUM	
CASIO	2054	KTV	2017	QUALCRAFT	2040 2054
CGM	2020	KUBA ELECTRONIC	2009 2013 2017 2020 2053 2054	QUARTZ	2020
CIE	2028	KUNYA	2013	QUASAR	2017
CIMLINE	2027	LAVIS	2027	RADIALVA	2017
CITIZEN	2017	LENCO	2027	RADIONETTE	2004 2017
CONDOR	2020	LENOIR	2017 2020	RANK ARENA	2013
CONT. EDISON	2004 2013	LEYCO	2027 2055	REALISTIC	2017 2020 2053 2054
CORVUS	2054	LLOYD	2004 2054	REX>SELECO	
CROWN	2027 2054	LLOYD'S	2013	RFT	2021 2027
DAEWOO	2016	LOEWE OPTA	2012 2017 2080	ROADSTAR	2017 2027 2054
DANSAI	2027	LOGIK	2040	ROYAL	2027
DE GRAAF	2020 2043 2054 2080	LUXON	2027 2054	SABA	2004 2013 2057 2060 2062 2067 2069
DECCA	2013 2054 2080	LUXOR	2004 2014 2020	SAISHO	2054
DEMA COLOR	2020	M ELECTRONIC	2017 2021 2025 2027 2054 2080	SALORA	2005 2014 2020 2051 2080
DOMOH	2017	MAGNADYNE	2001 2004 2013 2017 2020	SAMBERS	2017 2054
DUAL	2013 2054 2080	MAGNASONIC	2020	SAMSUNG	2020 2030 2040 2042
DUMONT	2020 2054 2080	MANESTH	2027 2054	SANSUI	2013 2027
DYNATECH	2054	MARANTZ	2012 2017 2080	SANYO	2006 2020 2026
EDAN LINE	2020	MARQUANT	2021	SAVEMA	2017
EDISON	2027	MARTA	2017	SCHAUB L.(ITT)	2004 2017 2020
ELBE	2017 2020 2025 2054	MATSUI	2004 2028	SCHNEIDER	2017 2027 2030 2043 2054 2080
ELTA	2021 2027 2054	MAXAM	2027	SCOTT	2017 2020
EMERSON	2017 2020 2054	MAXELL	2027	SEG	2021 2027 2030 2054
ESSELTE	2027 2054	MAXIMAL	2020	SELECO	2004 2013 2080
EUMIG	2020	MEMOREX	2017 2020 2054	SENTRA	2017 2027 2040
EXCEL	2020	MERCURY	2017	SETRON	2027
FAIR VIDEO	2017	METZ	2009 2010 2011 2012	SHARP	2006 2007 2017 2054
FAIRCHILD	2043	MINERVA >>GRUNDING		SHINKO	2027 2054
FENNER	2027	MINOLTA	2013 2018 2043	SHINTOM	2027 2054
FIDELITY	2005 2027 2054	MITSUBISHI	2010 2014 2051	SIEMENS	2009 2010 2012 2020
FINLANDIA	2020 2080	MONEXE	2054		
FINLUX	2001 2017 2020 2043 2053 2054 2080	MTC	2054		
FIRST LINE	2017 2027 2054	MULTITECH	2027 2027 2054 2080		
FISHER	2020	MURPHY	2054		
FORMENTI	2001 2017 2020 2080	NAKAMURA	2054		
FUJITSU	2054				
FUNAI	2027 2054				
GBC	2001 2027				
GE	2013				
GEC	2004 2027 2080				

TAB. C - BRANDS AND CODES OF THE VIDEO RECORDERS

SILVA	2017		
SILVER	2020		
SIMKO	2054		
SINGER	2020 2023 2030		
SINUDYNE	2028 2037 2080		
SONAMEC	2054		
SONITRON	2017		
SONOKO	2020		
SONY	2015 2023 2044 2044 2045 2046		
SPECIAL	2017		
STARLITE	2017		
STERN>SELECO			
STRONG	2027 2054		
STZ	2054		
SUNSTAR	2054		
SUPERTEC	2054		
SUPRA	2017 2027 2040 2054		
SYLVANIA	2054		
SYMPHONIC	2054		
TANDY	2017 2027 2054 2080		
TATUNG	2013 2054 2080		
TEAK	2013 2054		
TEC	2020 2027 2054		
TECHLINE	2027		
TECHNICS	2052 2053 2074		
TEDELEX	2025 2028		
TEF	2013		
TEKNIKA	2017 2054		
TELEAVIA>>THOMSON			
TELEFUNKEN	2013 2058 2059 2060 2062 2063 2067		
TELERENT	2013 2053 2054		
TELESTAR	2027 2040		
TELETECH	2027		
TELEVIDEON	2001 2020		
TEMPEST	2040		
TENOSAL	2027		
TENSAI	2017 2021 2027 2054		
THOMSON	2013 2058 2059 2060 2062 2063 2067		
THORN	2004 2005 2010 2013 2056 2077		
TOKAI	2017 2027		
TOSHIBA	2013 2023 2024 2036		
TOTEVISION	2017		
TOWADA	2021 2027		
TRANSONIC	2032		
TTR	2013		
UHER	2013 2030 2043		
ULTRAVOX	2001 2004 2020		
UNIC RADIO	2027 2054		
UNIVERSUM	2004 2009 2010 2012 2013 2017 2020 2027 2030 2043 2053 2054 2080		
URANYA	2004 2017 2020		
VECTOR RESEARCH	2025		
VICTOR	2013		
VIDAR	2020		
VIDEO E.CLUB	2020		
VIDEO TECHNIK	2027 2054		
VIDION	2020		
VIDITAL	2004		
WELTBlick	2017		
WHITE WESTING	2004 2017 2020		
YAMAHA	2013 2025		
YOKO	2017 2021 2027 2030 2054		
ZANELA	2027 2054		

SONY SECONDE FUNZIONI

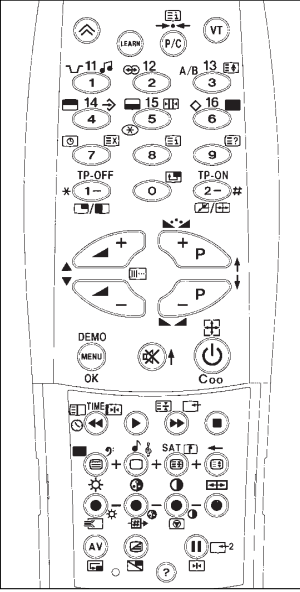


Fig. 2

SAMSUNG SECONDE FUNZIONI

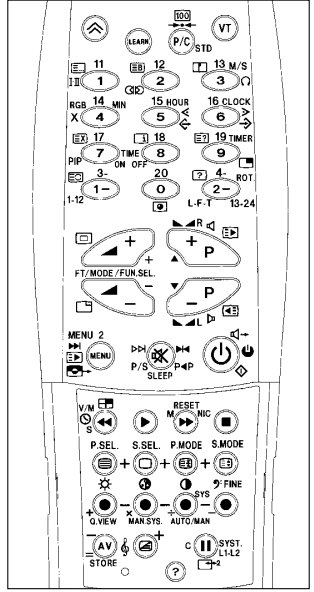


Fig. 3

PANASONIC SECONDE FUNZIONI

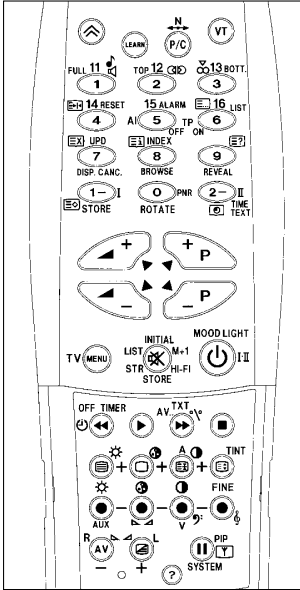


Fig. 4

GUARANTEE:

We guarantee that this product will be free from defects for a period of one year from the date of purchase.

DATE OF PURCHASE

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