



# Sanyo DSR-M814 Service Manual



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# Notice

CORRECTION

SERVICE FLASH

Please add this notice to the Service manual listed below.

Category : Digital Video Recorder

Model Name



DSR-M814



DSR-M814P

The reason of change.

A : Misprint

E : Deletion

REASON : D (Design)

Refer to this notice for the service manual for products with a serial number of 96830001 or later. (An "R" appears at the end of the serial number)

Refer to the service manuals and notices that have been issued previously for products with

a serial number that is earlier than 96830001.

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CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS ..... C1

**WARNING**

This product has been manufactured using lead-free solder. Be sure to follow the warning given on page 4 when carrying out repair work.

- NOTE : 1. Parts order must contain model number, part number, and description.
2. Substitute parts may be supplied as the service parts.
3. N. S. P. : Not available as service parts.
4. Regardless from the unit's specification the HDD may have a different capacity or there might be more than one HDD installed.

Even with the same product number the HDD installed might have a different capacity, or there might be either one or two HDD installed.

5. Refer to page 4 for the serial number.

Design and specification are subject to change without notice.

L8HBJ/USJ,XEG,USG,USH,USK,USL  
175 813 29,32,27,28,30,31

**PRODUCTION CHANGE**

**ADD INFORMATION**

Reference No.

SM5310607

SM5310607

B : Quality Reliability

F : Addition

SANYO Electric Co., Ltd.

Osaka,Japan

Destination

U.S.A., Canada, Brazil, Korea, Philippine,

NTSC General

Europe, U.K., PAL General

C : Standardization

G : Multiple Use

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**FILE No.**

Date : Jan. 27 2006

D : Design

Reference No. SM5310607-02

ManualsLib.com

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## Related Manuals for Sanyo DSR-M814

### [Voice Recorder Sanyo DSR-M814 Instruction Manual](#)

Sanyo digital video recorder instruction manual (73 pages)

### [DVR Sanyo DSR-M814 Service Manual Addendum](#)

Sanyo digital video recorder service manual (55 pages)

### [DVR Sanyo DSR-M800 Instruction Manual](#)

Sanyo instruction manual digital video recorder dsr-m800 (50 pages)

### [DVR Sanyo DSR-M810PA Instruction Manual](#)

(326 pages)

### [DVR Sanyo DSR-M810 Instruction Manual](#)

Digital video recorder (55 pages)

### [DVR Sanyo DSR-M810 Brochure & Specs](#)

Half rack width (4 pages)

### [DVR Sanyo DSR-M804 Series Service Manual](#)

(22 pages)

### [DVR Sanyo DSR-M810P Service Manual](#)

(22 pages)

### [DVR Sanyo DSR-m804p Instruction Manual](#)

(4 pages)

### [DVR Sanyo DSR-M800P Service Manual](#)

(52 pages)

### [DVR Sanyo DSR-3709P Manual](#)

Manual for remote operation by network connection (48 pages)

### [DVR Sanyo DSR-3716PA Manual For Remote Operation](#)

Manual for remote operations using a network connection (43 pages)

### [DVR Sanyo DSR-3716 Quick Operating Manual](#)

Digital video recorder (18 pages)

### [DVR Sanyo DSR-3716 Instruction Manual](#)

Digital video recorder with multiplexer function (126 pages)

### [DVR Sanyo DSR-3000 Service Manual](#)

(89 pages)

### [DVR Sanyo DSR-5016 Series Quick Operation Manual](#)

(20 pages)

## Summary of Contents for Sanyo DSR-M814

### [Page 1: Table Of Contents](#)

Even with the same product number the HDD installed might have a different capacity, or there might be either one or two HDD installed. 5. Refer to page 4 for the serial number. Design and specification are subject to change without notice. SANYO Electric Co., Ltd. Reference No. SM5310607-02 L8HBJ/USJ,XEG,USG,USH,USK,USL 175 813 29,32,27,28,30,31 Osaka,Japan -...

### [Page 2: Warning](#)

SAFETY PRECAUTIONS WARNING: Service should not be attempted by anyone unfamiliar with the necessary precautions for this recording or playback equipment. The following precautions are necessary during servicing: Before returning the set to the customer, always perform an

Many electrical and mechanical parts in this recorder have AC leakage current check on the exposed metallic parts of special safety-related characteristics for providing protection against shock, fire and other hazards.

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[Page 4](#) **WARNING** The tip of the soldering iron should have a C-cut shape or Do not use solder containing lead. a driver shape so that it can contact the circuit board as flat This product has been manufactured using lead-free or in a line as much as possible. solder in order to help preserve the environment.

### [Page 5: Notes On Handling Internal Hdd Components](#)

NOTES ON HANDLING INTERNAL HDD COMPONENTS This unit has a built-in hard disk drive (HDD). Be sure to observe the following points carefully when operating, setting-up and servicing the unit. 1. Do not subject the unit to shocks or vibration. 4.

### [Page 6: Specifications](#)

•Time/ date search : Search by time and date •Alarm search : Search by alarm event list Menu Language : English/ French/ Spanish (DSR-M814) English/ French/ German/ Spanish (DSR-M814P) Clock settings : Day/ Month/ Year/ Hours/ Minutes/ Seconds Miscellaneous functions : Motion sensor, Security lock (with password function) 1.0 V p-p 75  $\Omega$ , unbalanced, 4 BNC connectors...

### [Page 7: Disassembly](#)

2. DISASSEMBLY 2-1. REMOVAL OF CABINET AND CIRCUIT BOARD LOCATIONS NOTE: 1. Please carry out the screw stop of the attachment to HDD in the order of the number stamped on the HDD holder. 2. Please attach the 1st set of an HDD unit in the frontside of a product.

### [Page 8: Adjustment](#)

3. ADJUSTMENT 3-3. CH2 INPUT SIGNAL LEVEL ADJUSTMENT 3-1. CH1 INPUT SIGNAL LEVEL ADJUSTMENT Measuring Point Measuring Equipment Measuring Point Measuring Equipment Condition OSCILLOSCOPE POWER ON TP131 OSCILLOSCOPE POWER ON MONITOR OUT E-E Mode (CP-1 board) E-E Mode Adj. Location Adj.

[Page 9](#) 3-5. CH4 INPUT SIGNAL LEVEL ADJUSTMENT Measuring Point Measuring Equipment Condition OSCILLOSCOPE POWER ON MONITOR OUT E-E Mode Adj. Location Adj. Value 1.00 V  $\pm$  0.04 V p-p VR134 (CP-1 board) 1. Input a color bar signal containing 100% white to the CH4 input terminal.

[Page 10](#) ] key to move the cursor to the line where Note: the version number appears, and then press the CUE When the unit restarts, the "SANYO" logo and the messages ) key to display the "FIRMWARE UPDATE" screen. "HARD DISK CHECKING!!" and "DO NOT POWER OFF" will be displayed, and you must never turn the power off while <...

[Page 11](#) 6. Lift your finger from the UP button only after hearing the buzzer. The SANYO logo will appear on the monitor's screen and the present MAC address will be displayed below the logo. 7. Click on "MACW.EXE" located in the PC's directory to launch the software.

### [Page 12: Parts List](#)

ACCESSORIES & PACKING MATERIALS 5021 613 200 0536 LABEL CAUTION HDD, DSR-M814P ONLY 9110 613 203 8744 INSTRUCTION MANUAL, 5021 613 203 0748 LABEL CAUTION HDD PLUS, DSR-M814 ONLY English, French, German, Spanish, Italian, Chinese 5030 613 200 8167 DEC USB DSR-M814P ONLY 5101 613 203 9932 CABINET FRONT-L8HBJ/XE...

[Page 13](#) NJ627 NJ627 NJ503 8001 NJ503 8005 NJ503 5021 NJ612 NJ503 NJ612 6014 5200 NJ503 6006 NJ616 NJ503 NJ608 NJ610 NJ606 6007 6017 NJ606 NJ610 NJ607 NJ606 NJ612 NJ609 NJ614 NJ606 NJ612 6015 NJ611 NJ607 6016 NJ609 6013 W0001 6004 NJ602 NJ613 8000 NJ602...

[Page 14](#) **ELECTRICAL PARTS** Note: 1. Materials of Capacitors and Resistors are abbreviated as follows ; Resistors Capacitors MT-FILM Metallized Film Resistor MT-POLYEST Metallized Polyester Capacitor MT-GLAZE Metallized Glaze Resistor MT-COMPO Metallized Composite Capacitor OXIDE-MT Oxide Metallized Film Resistor TA-SOLID Tantalum Solid Capacitor AL-SOLID

Aluminum Solid Capacitor NP-ELECT...

[Page 15](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION D3002 407 120 4503 DIODE DA204U-T106 L3011 645 075 9727 INDUCTOR,1.0U J D3003 407 120 4503 DIODE DA204U-T106 645 009 8826 INDUCTOR,1U J D3004 407 120 5807 DIODE AK04 L3012 645 075 9727 INDUCTOR,1.0U J 407 160 9100 DIODE ERA83-004...

[Page 16](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION C1127 403 382 2905 ELECT 10U M 16V C1310 403 382 1809 ELECT 47U M 6.3V C1128 403 164 0204 CERAMIC 0.1U Z 25V C1311 403 164 0204 CERAMIC 0.1U Z 25V C1129 403 155 4204 CERAMIC...

[Page 17](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R1088 401 105 7909 MT-GLAZE 0.000 ZA 1/16W R1173 401 113 4402 MT-GLAZE 75 JA 1/16W R1089 401 105 7909 MT-GLAZE 0.000 ZA 1/16W R1174 401 105 8005 MT-GLAZE 1M JA 1/16W R1090 401 105 7909 MT-GLAZE 0.000 ZA 1/16W...

[Page 18](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R1332 401 105 0405 MT-GLAZE 100 JA 1/16W R3036 401 105 0603 MT-GLAZE 10K JA 1/16W R1333 401 105 3208 MT-GLAZE 270 JA 1/16W R3037 401 105 5301 MT-GLAZE 4.7K JA 1/16W R1334 401 105 3208 MT-GLAZE...

[Page 19](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION IC473 409 541 0201 IC PCM1800 R3154 401 105 7909 MT-GLAZE 0.000 ZA 1/16W IC474 409 541 0300 IC AK4380VT R3155 401 105 7909 MT-GLAZE 0.000 ZA 1/16W IC481 409 541 7408 IC PST598IN R3156 401 105 7909...

[Page 20](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION C4107 403 384 8806 ELECT 22U M 6.3V C4234 403 164 0204 CERAMIC 0.1U Z 25V C4108 403 164 0204 CERAMIC 0.1U Z 25V C4235 403 164 0204 CERAMIC 0.1U Z 25V C4109 403 384 8806 ELECT 22U M 6.3V...

[Page 21](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION C4610 403 384 8806 ELECT 22U M 6.3V R4112 401 105 3307 MT-GLAZE 2.7K JA 1/16W C4729 403 384 8806 ELECT 22U M 6.3V R4113 401 105 5301 MT-GLAZE 4.7K JA 1/16W C4730 403 164 0204 CERAMIC...

[Page 22](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R4250 401 105 0504 MT-GLAZE 1K JA 1/16W R4336 401 105 7909 MT-GLAZE 0.000 ZA 1/16W R4251 401 105 7909 MT-GLAZE 0.000 ZA 1/16W R4340 401 105 0603 MT-GLAZE 10K JA 1/16W R4252 401 105 5103 MT-GLAZE...

[Page 23](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R4738 401 105 5301 MT-GLAZE 4.7K JA 1/16W R4857 401 105 5400 MT-GLAZE 47K JA 1/16W R4739 401 105 5400 MT-GLAZE 47K JA 1/16W R4866 401 105 7909 MT-GLAZE 0.000 ZA 1/16W R4740 401 105 5400 MT-GLAZE...

[Page 24](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R8811 401 105 4106 MT-GLAZE 3.3K JA 1/16W Q5105 405 132 3101 TR DTC114EKA R8812 401 105 5301 MT-GLAZE 4.7K JA 1/16W Q5106 405 014 4509 TR 2SC2412K-R R8813 401 113 6604 MT-GLAZE 7.5K JA 1/16W 405 014 4608 TR 2SC2412K-S...

[Page 25](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION C5107 403 320 5906 CERAMIC 1000P K 500V R5050 401 105 4205 MT-GLAZE 33K JA 1/16W C5108 403 320 5906 CERAMIC 1000P K 500V R5102 401 105 3208 MT-GLAZE 270 JA 1/16W C5109 403 164 0204 CERAMIC...

[Page 26](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION L8542 645 006 3602 INDUCTOR,1.1UH CABLE L8543 645 020 1868 INDUCTOR,750 OHM W0002 613 199 8575 ULTRA ATA CABLE ASSY,CN481-HDD L8544 645 020 1868 INDUCTOR,750 OHM W0003 613 206 1070 ASSY,WIRE POWER-HDD,CN511-HDD L8545 645 020 1868 INDUCTOR,750 OHM...

[Page 27](#) CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS TABLE OF CONTENTS OVERALL WIRING & BLOCK DIAGRAM Page OVERALL WIRING .....C3 OVERALL CIRCUIT

..... C4 CIRCUIT DIAGRAMS PW-1 BOARD POWER SUPPLY ..... C5  
CP-1 BOARD (VD-A) VIDEO ENCODER, DECODER .....C6 CP-1 BOARD (SY-A) SYSTEM  
CONTROL .....C11 DM-1 BOARD (DM-A) MPEG .....

[Page 28](#) NOTES: 1. All resistance values in "OHMS" unless otherwise noted. (K=1,000 ;  
M=1,000,000)  $\mu$  2. All capacitance values in " F" unless otherwise noted.  $\mu$  p=pico farad ; ,u or  
U=micro farad  $\mu$  3. All inductance values in " H" unless otherwise noted.  $\mu$ ...

This manual is also suitable for:

[Dsr-m814p](#)