



Sanyo DVP404U Manual

Mpeg4 player

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SERVICE MANUAL



PHILCO DVP404U

MPEG4 PLAYER

GB



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[Turntable Sanyo TP1005 Service Manual](#)

Stereo (9 pages)

[Turntable Sanyo TP 1012 Instruction Manual](#)

Direct drive stereo turntable (12 pages)

[Turntable Sanyo TP20 Service Manual](#)

(9 pages)

[Turntable Sanyo TP 1400 Service Manual](#)

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[Turntable Sanyo PLUS Q50 Service Manual](#)

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[Turntable Sanyo TP220 Service Manual](#)

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[Turntable Sanyo expert TP-1012 Service Manual](#)

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-----7 2-1-3 Serial EEPROM, 2K (256 x 8) (24C02) or 16 K	

[Page 3: Precautions](#)

1. PRECAUTIONS 1-1 Safety Precautions 1) Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items: (1) Be sure that no built-in protective devices are defective or have been defeated during servicing. (1) Protective shields are provided to protect both the technician and the customer.

[Page 4: Servicing Precautions](#)

2) Read and comply with all caution and safety related 5) Components, parts, and/or wiring that appear to notes non or inside the cabinet, or on the chassis. have overheated or that are otherwise damaged should be replaced with components, parts and/or 3) Design Alteration Warning-Do not alter of add to the wiring that...

[Page 5: Insulation Checking Procedure](#)

1-2-2 Insulation Checking Procedure attachment plug and accessible conductive parts (see Disconnect the attachment plug from the AC outlet and note) should be more than 1 Megohm. turn the power ON. Connect the insulation resistance Note: Accessible conductive parts include metal meter (500V) to the blades of the attachment plug.

[Page 6: Reference Information](#)

2. Reference Information 2-1 Component Descriptions 2-1-1 DVD SANYO HD65 PUH Connector Pin Definition I/F Signals I/O Pin # CD/DVD GND-PD VR-CD VR-DVD LD-CD LD-DVD GND-LD - 5 - ...

[Page 7](#) 4. Block Diagram Disc MT1389 (Decode/Servo) SDRAM ATAPI Buffer Manager Disc motor unit Demodulator Laser Error Correction pickup Focus & Tracking Loading AuDdio Video D/A Filter Spindle Focus Track Sied Loading Motor Coil Coil Motor Motor Conn (front panel) BA5954FP 4ch motor Drive Fiash 24CO2...

[Page 8: Dvd Processor Chip Mtk1389F](#)

2-1-2 DVD Processor Chip MTK1389F Features Super Integration DVD player single chip High performance analog RF amplifier Servo controller and data channel processing Disc compatibility: DVD, DVD-R, DVD-RW, DVD+R, DVD+RW, Audio CD, CD-R, CD-RW, VCD, SVCD, MP3-CD, MP3-DVD, PCM, JPEG-CD, JPEG-DVD Format compatibility:MPEG-1, MPEG-2, MPEG-4, DivX 3.11, DivX 4.x, DivX5.x (Need licence), Xvid, MP3, WMA, PCM, and JPEG &...

[Page 9](#) Pinout Diagram - 8 -...

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[Page 23: Serial Eeprom, 2K \(256 X 8\) \(24C02\) Or 16 K \(2048 X 8\) \(24C16\)](#)

2-1-3 Serial EEPROM, 2K (256 x 8) (24C02) or 16 K (2048 x 8) (24C16) 24C02 is used for DVD player while 24C16 is for DVD receiver. The capacity is the only difference between two kinds of serial EEPROM. Both of them use same package and have same pin configuration. * Features Low-Voltage and Standard-Voltage Operation -5.0 (V_{CC} = 4.5V to 5.5V)

[Page 24](#) to an internal state-machine which controls the erase and programming circuitry. Write cycles also internally latch addresses and data needed for the programming and erase operations. Reading data out of the device is similar to reading from 5.0 V and 12.0 V Flash or EPROM devices. The MBM29LV160TE/BE is programmed by executing the program command sequence.

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[Page 26: 512K X 16 Bit X 2 Banks Synchronous Dram \(A43L0616\)](#)

2-1-5 512K X 16 Bit X 2 Banks Synchronous DRAM (A43L0616) Features JEDEC standard 3.3V power supply LVTTTL compatible with multiplexed address Dual banks / Pulse RAS MRS cycle with address key programs CAS Latency (2,3) Burst Length (1,2,4,8 & full page) Burst Type (Sequential &...

[Page 27](#) Pin Configuration - 26 -...

[Page 28](#) Block Diagram Pin Descriptions Symbol Name Description System Clock Active on the positive going edge to sample all inputs Chip Select Disables or Enables device operation by masking or enabling all inputs except CLK, CKE and L(U)DQM Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one clock + t_{ss} prior to new Clock Enable command.

[Page 29: Product Specifications](#)

3. Product Specifications Playback System DVD Video Video CD (1.1, 2.0, 3.0) SVCD and CVD CDDA CD-ROM with MP3 data PICTURE CD Television Signal System NTSC/PAL Video Performance Video Out 1 V_{pp} into 75 ohm S-Video Out Y: 1V_{pp} into 75 ohm C: 0.286 V_{pp} into 75 ohm D/A Converter 27MHz/10bit...

[Page 30: Upgrading System And Changing The Region Code](#)

4. Upgrading System and Changing the Region Code MTK upgrade: 1. Name upgrade file as "MTK.BIN"(must be in big caps) 2. Record it in a CD-R/W (It can be enclosed a sub-directory which size is about 30M, and the file content can be letter or non used file.) disc Format: (advise to use the tool NERO burning ROM) Disc volume: MEDIATEK, ISO9660 LEVEL1, MODE1[not JOILET.

[Page 31: Operating Instruction](#)

5. Operating Instruction Please refer to the User's Manual for the operating instruction of the system. Maintenance & Troubleshooting How to handle discs Disc Compatibility Some discs have special ● To handle, clean and protect discs requirements for playing, with which this player Do not touch the playing side of a disc ●...

[Page 32](#) Problems and Solutions If a fault occurs, first check the points listed below before taking the set for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service centre. WARNING: Under no circumstances should you try to repair the set yourself, as this would invalidate the guarantee.

[Page 33: Disassembly And Reassembly](#)

6. Disassembly and Reassembly - 32 -...

[Page 34: Troubleshooting](#)

7. Troubleshooting No power Insert the AC power plug securely into the power outlet. Make sure that the equipment is connected properly. No picture Make sure that the input setting for TV is Video (AV). No sound Make sure that the equipment is connected properly. Make sure that the input settings for the TV and stereo system are Distorted sound correct.

[Page 35: Block Diagram](#)

8. Block Diagram - 34 -...

[Page 36: Circuit Diagrams](#)

9. Circuit Diagrams AVCC PLLVDD3 RFVDD3 R118 6.8 DV33 C114 0.1U 0.1U 100U/16V ACENTER IOA [1] 3904 ASUBW 100K 100K L2 10uH LDO2 8550 47U/16V 2SK3018 AKIN-1-2 [2] SPP11N60C3 SPP11N60C3 RFV33 2SK3018 0.1U CVBS 47U/16V LDO1 8550 10uH SANYO_DU34 AGND HD60-24SMD VREF DVDA...

[Page 37](#) FB26 100P 0 OR NC 10U/16V +12V -12V A_MUTE +12V -12V 5.1K 10U/16V U9-A 1000P 3904 AKIN-1-2 [1] 1N4148 1N4148 FB25 4.7K 100P 100K 3906 100U/16V 100U/16V 10U/16V 3906 A_MUTE 5.1K 10U/16V U9-B 1000P 3904 R23 100 AUDIO_MUTE A_MUTE [2] FB31 C123 100P...

[Page 38](#) A[0:21] [1] R1 WAITING TO DEBUG 16MFLASH R20 MA[0:11] [1,3] AD[0:7] [1] DQ[0:15] [1,3] 32MFLASH R20 R21 DQ[0:15] [1,3] MA[0:11] [1,3] 64MB_SDRAM KM416S1020BT SD33 DV33 FB16 600/0603 100U/10V 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U GND_D MA10 DQ10 DQ10 MA10 DQ10 MA11 DQ11...

[Page 39: Wiring Diagram](#)

10. Wiring Diagram: Output Output Amplifier AV Output Board Power MPEG Board Loader is on the MPEG board Front Panel - 38 -...