



Sanyo HVR-DX610 Service Manual

Dvd recorder + vcr

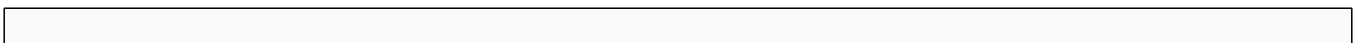
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SERVICE MANUAL

DVD Recorder + VCR

SPECIFICATIONS

Power source: 200-240V, 60/50Hz

Power consumption: 32W

Dimension: 430(W) x 91(H) x 354(D)mm

Net Weight: Approx. 6.18kg

Specifications subject to change without notice

FILE NO.

HVR-DX610

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HVR-DX620

REFERENCE No.
SM0905002



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Summary of Contents for Sanyo HVR-DX610

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SPECIFICATIONS Power source: 200-240V, 60/50Hz Power consumption: 32W Dimension:
430(W) x 91(H) x 354(D)mm Net Weight: Approx. 6.18kg Specifications subject to change
without notice REFERENCE No. SM0905002...

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[Page 3](#) TROUBLESHOOTING SPECIFICATIONS General 1. POWER CIRCUIT Power requirements
200-240V~, 50/60 Hz Power consumption Dimensions (approx.) 16.9 x 3.54 x 14.0 inches (430
x 91 x 354 mm) (w x h x d) Mass (approx.) 13.5 lbs (6.18 kg) Operating temperature 41°F to
95°F (5°C to 35°C) Operating humidity 5% to 90%...

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[Page 6](#) TROUBLESHOOTING TROUBLESHOOTING C-1. Bad playback quality (1) D. No broadcasting signal received Noise appears on the No broadcasting signal playback screen. received Is the output at IC501 pin# 61(CLK), Is noise diminished by tracking Check IC 501. Re-adjust PATH. 60 (DATA) normal? adjustment.

[Page 7](#) TROUBLESHOOTING TROUBLESHOOTING G. DRUM Motor stops E. No CASSETTE Loading DRUM Motor stops. Cassette tape isn't inserted. Is 14V voltage obtained at P501 Check EVER 14V pin#8? (Q850). Is 5V voltage obtained at Loading Check at EVER 14V parts IC501 pin#63? Check Q850.

[Page 8](#) TROUBLESHOOTING TROUBLESHOOTING 3. VIDEO circuit A. EE screen doesn't appear B. Playback picture doesn't appear 1) No VCR Playback Picture EE MODE Picture NG PB video signal missing. Is Video signal input at Check IF and SCART JACK. IC301 pin#48,50,52,54? Is Envelope output from IC301 Is 5V supplied at Is 5V supplied at IC301 pin#91?

[Page 9](#) TROUBLESHOOTING TROUBLESHOOTING 2) No DVD Playback Picture No DVD Video signal Are there video signal at pin Check PC01, ICN01(CVBS out, Check PC05, P821, 5V, 12V #1,3,5,7,9,11 of P100? Y/C Out, Component Out) Power and cable connection Are there video output signal at CVBS: Check Pin #61 of JK601, JK101, JK102.

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[Page 11](#) TROUBLESHOOTING TROUBLESHOOTING b. AV1 E-E c. AV2 E-E No sound in AV1 E-E mode. No sound in AV2 E-E mode. Is 12V obtained at IC251 pin#34? Is 12V obtained at IC251 pin#34? Check POWER circuit. Check POWER circuit. Is 5V obtained at IC251 pin#40? Is 5V obtained at IC251 pin#40? Is Audio signal at IC251 pin#6, 7? Check Input AV1 JACK...

[Page 12](#) TROUBLESHOOTING TROUBLESHOOTING e. FRONT E-E d. DVD E-E No sound in FRONT E-E No sound in DVD mode. E-E mode. Is there DVD Audio at IC102 Is 12V obtained at IC251 pin#34? Check IC102, MPEG board pin#7,8? Check POWER circuit. Is 5V obtained at IC251 pin#40? Is 12V obtained at ICD02 pin#8? Check POWER circuit.

[Page 13](#) TROUBLESHOOTING TROUBLESHOOTING C. No Hi-Fi Playback audio(PLAY MODE) B. No NORMAL AUDIO playback in record/playback mode(Check in REC mode) No Normal Audio playback in record/playback mode Is 12V obtained at IC251 pin#34? Check POWER circuit. Check Input SCART JACK. Are there Audio signal at IC251 Check Input Front JACK.

[Page 14](#) WAVEFORMS TROUBLESHOOTING 1. VIDEO D. No Hi-Fi playback in record/playback mode (REC MODE) Check input SCART JACK. Are there Audio signal Check input front jack. at IC251 pin#2~11? Check ICD02(DVD). Is FM OSC signal at IC251 Replace IC251 pin#36? (IC301-70) 5Vp-p (IC301-70)5Vp-p (IC301-46) 520mVp-p (IC301-46) 520mVp-p...

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CIRCUIT DIAGRAM 1. SERVO & SYSCON SCHEMATIC DIAGRAM(DVDR+VCR)

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DIAGRAM(DVDR+VCR)

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This manual is also suitable for:

[Hvr-dx620](#)