

JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

SR-V10U



SVHS
Hi-Fi
VCRplus+®
Super VHS ET
Professional
series

Regarding service information other than these sections, refer to the HR-S5900U service manual (No.82848). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS

GENERAL

Power requirement	: AC 120 V~, 60 Hz
Power consumption	
Power on	: 20 W
Power off	: 2.5 W
Temperature	
Operating	: 5°C to 40°C (41°F to 104°F)
Storage	: -20°C to 60°C (-4°F to 140°F)
Operating position	: Horizontal only
Dimensions (W x H x D)	: 400 mm x 94 mm x 283 mm
Weight	: 3.4 kg
Format	: S-VHS/VHS NTSC standard
Maximum recording time	
SP	: 210 min. with ST-210 video cassette
EP	: 630 min. with ST-210 video cassette

VIDEO/AUDIO

Signal system	: NTSC-type color signal and EIA monochrome signal, 525 lines/60 fields
Recording/ Playback system	: DA-4 (Double Azimuth) head helical scan system
Signal-to-noise ratio	: 45 dB
Horizontal resolution	
VHS	: 230 lines
S-VHS	: 400 lines
Frequency range	
Normal audio	: 70 Hz to 10,000 Hz
Hi-Fi audio	: 20 Hz to 20,000 Hz
Input/Output	: RCA connectors (IN x 2, OUT x 1) S-video connectors (IN x 2, OUT x 1)

TUNER

Tuning system	: Frequency-synthesized tuner
Channel coverage	
VHF	: Channels 2-13
UHF	: Channels 14-69
CATV	: 113 Channels
RF output	: Channel 3 or 4 (switchable; preset to Channel 3 when shipped) 75 ohms, unbalanced

TIMER

Clock reference	: Quartz
Program capacity	: 1-year programmable timer/ 8 programs
Memory backup time	: Approx. 6 months Estimated figure based on supplied fresh battery; actual performance may differ.

ACCESSORIES


Provided accessories	: Infrared remote control unit, "AA" battery x 2, Lithium battery CR2025, S-video cable (4-pin), RF cable (F-type), Audio/video cable, BNC/RCA adapter x 2
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*Specifications shown are for SP mode unless specified otherwise.
E. & O.E. Design and specifications subject to change without notice.*

Usable cassettes

Full-Size VHS
T-30 (ST-30**)
T-60 (ST-60**)
T-90
T-120 (ST-120**)
T-160 (ST-160**)
ST-210**

Compact VHS*
TC-20 (ST-C20**)
TC-30 (ST-C30**)
TC-40 (ST-C40**)



* Compact VHS camcorder recordings can be played on this video recorder. Simply place the recorded cassette into a VHS Cassette Adapter and it can be used just like any full-sized VHS cassette.

** This VCR can record on regular VHS and Super VHS cassettes. While only VHS signals can be recorded on regular VHS cassettes¹⁾, both VHS and Super VHS signals can be recorded and played back using Super VHS cassettes.

¹⁾ By using the S-VHS ET function, it is possible to record and play back with S-VHS picture quality on VHS cassettes on this VCR.

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The following table indicate main different points between models HR-S5900U and SR-V10U.

ITEM \ MODEL	HR-S5900U	SR-V10U
BODY COLOR	BLACK	DARK GRAY
REPEAT TYPE / TIMES	FULL / 100	FULL / NO LIMIT
DIGITAL 3R	NOT USED	USED
TBC / NR	NOT USED	USED
FRAME MEMORY	NOT USED	USED
REMOTE IN/OUT	NOT USED	USED
LI BATTERY FOR BACKUP	NOT USED	LI BATTERY
REC RESUME	NOT USED	USED
REPEAT REC / PLAY	NOT USED	USED
SERIES REC / PLAY	NOT USED	USED
MODE LOCK	NOT USED	USED
DAY/TIME INSERT	NOT USED	USED
REC SAFETY ON/OFF	NOT USED	USED
LAST FUNCTION MEMORY	NOT USED	USED
ON SCREEN(REC/PLAY) OFF	NOT USED	USED
WIRED RCU	NOT USED	USED
SATELLITE AUTO RECORDING	NOT USED	USED
DAILY TIMER REC	NOT USED	USED

The following tables indicate different parts number between models HR-S5900U and SR-V10U.

PACKING AND ACCESSORY ASSEMBLY<M1>

PACKING AND ACCESSORY ASSEMBLY<M1> is indicated on the parts list.

FINAL ASSEMBLY<M2>

FINAL ASSEMBLY<M2> is indicated on the parts list.

MECHANISM ASSEMBLY<M4>

MECHANISM ASSEMBLY<M4> is indicated on the parts list.

MAIN BOARD ASSEMBLY<03>

REF NO.	ITEM	MODEL	
		HR-S5900U	SR-V10U
PW1	MAIN BOARD ASSY	LPA10134-03D1	LPA10134-12A1

2D DIGITAL BOARD ASSEMBLY<05>

REF NO.	ITEM	MODEL	
		HR-S5900U	SR-V10U
PW1	2D DIGITAL BOARD ASSY	LPA10090-05A	—

3D DIGITAL/2M BOARD ASSEMBLY<05>

REF NO.	ITEM	MODEL	
		HR-S5900U	SR-V10U
PW1	3D DIGITAL/2M BOARD ASSY	—	LPA10105-02A

R.PAUSE BOARD ASSEMBLY<91>

REF NO.	ITEM	MODEL	
		HR-S5900U	SR-V10U
PW2	R.PAUSE BOARD ASSY	LPA10134-03C2	*LPA10134-03E2

C.BOX BOARD ASSEMBLY<92>

REF NO.	ITEM	MODEL	
		HR-S5900U	SR-V10U
PW3	C.BOX BOARD ASSY	LPA10134-03C3	*LPA10134-03E3

LI BATTERY BOARD ASSEMBLY<93>

REF NO.	ITEM	MODEL	
		HR-S5900U	SR-V10U
PW4	LI BATTERY BOARD ASSY	—	LPA10134-12A4

Notes: Mark — is not used.

Mark * reference model was also changed.

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