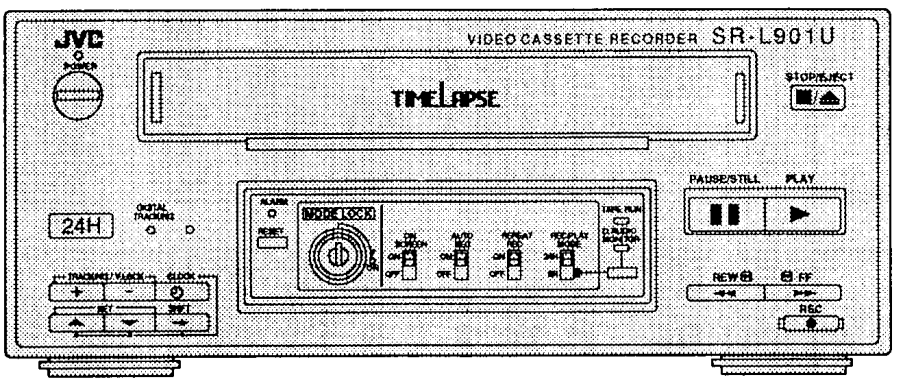
INSTRUCTIONS

JVC

SR-L901U

TIMELAPSE VIDEO CASSETTE RECORDER



For Customer Use:

Enter below the Serial No. which is located on the rear of the cabinet. Retain this inforamtion for future reference.

Model No. **SR-L901U**

Serial No. _____

SL96033

SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INDIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

This unit should be used with 120 V AC, 50/60Hz only.

CAUTION:
To prevent electric shocks and fire hazards, do NOT use any other power source.

NOTE:
The rating plate (serial number plate) is on the rear of the unit.

INFORMATION
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION
CHANGES OR MODIFICATIONS NOT APPROVED BY JVC COULD VOID USER'S AUTHORITY TO OPERATE THE EQUIPMENT

ATTENTION
RISQUE D'ELECTROCUTION
NE PAS OUVRIR

ATTENTION: POUR EVITER TOUT RISQUE D'ELECTROCUTION
NE PAS OUVRIR LE BOITIER.
AUCUNE PIECE INTERIEURE N'EST
A REGLER PAR L'UTILISATEUR.
SE REFERER A UN AGENT QUALIFIE EN CAS DE PROBLEME

Le symbole de l'éclair à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence d'une "tension dangereuse" non isolée dans le boîtier du produit. Cette tension est suffisante pour provoquer l'électrocution de personnes.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence d'opérations d'entretien importantes au sujet desquelles des renseignements se trouvent dans le manuel d'instructions.

*Ces symboles ne sont utilisés qu'aux Etats-Unis.

AVERTISSEMENT:
POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, NE PAS EXPOSER L'APPAREIL A L'HUMIDITE OU A LA PLUIE.

Ce magnétoscope ne doit être utilisé que sur du courant alternatif en 120 V, 50/60 Hz.

ATTENTION:
Afin d'éviter tout resque d'incendie ou d'électrocution, ne pas utiliser d'autres sources d'alimentation électrique.

REMARQUE:
La plaque d'identification (numéro de série) se trouve sur le panneau arrière de l'appareil.

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Department of Communications.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques", NMB-003 édictée par le ministre des Communications.

WARNING:
It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast, or cable program and in any literary, dramatic, musical, or artistic work embodied therein.

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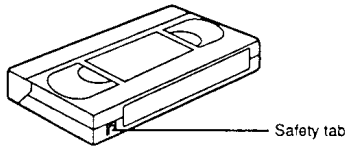
PRECAUTIONS

VCR

- Avoid using the recorder in places subject to the following conditions:
  - extreme heat, cold, or humidity,
  - dust,
  - vibrations, and
  - poor ventilation
  - near appliances generating strong electric energy. Do not use a transceiver within 2 m of the recorder.
- Be careful of moisture condensation.
  Do not use the recorder immediately after moving it from a cold place to a warm place. The water vapor in warm air will condense on the still-cold video head drum and tape guides and may cause damage to the tape and the recorder.
- Handle the recorder carefully.
  - Do not block the ventilation openings.
  - Do not place anything heavy on the recorder.
  - Do not place anything which might spill on the top cover of the recorder.
  - Use in horizontal (flat) position only.
- During transportation,
  - Avoid violent shocks to the recorder during packing and transportation.
  - Before packing, be sure to remove the cassette from the recorder.

VIDEO CASSETTES

- This recorder uses VHS cassettes.
  To ensure proper recording in the 24-hour Timelapse mode, use "AV-type" (normal grade) VHS video cassettes. These are highly durable and ideal for repeated usage. Use of S-VHS cassettes or "HG-type" cassettes is not recommended.
- Avoid exposing the cassettes to direct sunlight. Keep them away from heaters.
- Avoid extreme humidity, violent vibrations or shocks, strong magnetic fields (near a motor, transformer or magnet) and dusty places.
- Place the cassettes in cassette cases and position vertically.
- Use T-160 tapes or shorter.
- Video cassettes are equipped with a safety tab to prevent accidental erasure. When the tab is removed, recording can not be performed. If you wish to record on a cassette whose tab has already been removed, use adhesive tape to block the hole.



MODE-LOCK FUNCTION

- This recorder is equipped with a mode-lock function which disables control buttons, locking the VCR into the currently engaged mode.
- Insert the key (provided) into the key hole on the front panel and turn it to "ON". All controls become inoperative except the RESET button.

FEATURES

Up to 24 Hours of Video/Audio Recording/Playback
Specifically designed for small business establishments operating on a daily basis such as convenience stores, video rental outlets, and gas stations, the SR-L901U offers up to 24 hours of video and audio recording with a standard 160 minute tape. If shorter-duration recording is required, the 8-hour mode is available for 8 hours of recording/playback on a standard 160 minute tape. Recordings made in the 24-hour mode can be played back in either the 24-hour or the 8-hour mode. A microphone input is provided for connection of a microphone.

Digital Audio Monitor Function
To enable you to quickly check recorded information, digital audio processing allows you to monitor the audio signal when playing back a 24-hour mode tape in the 8-hour mode.

Compact Design for Convenient Installation
For easier installation in smaller establishments where space is at a premium, the SR-L901U features a compact narrow-width design. Only 275 mm wide, it can be easily installed on a shelf near the cash register, in a storeroom, or anywhere else that's convenient. Even locations that can be accessed by unauthorized persons are secure thanks to the SR-L901U's key-operated Mode Lock function. This disables all controls (expect the RESET button), locking the unit into the currently-engaged mode and effectively preventing any unwanted tampering.

Automatic Alarm Recording with Alarm Search Capability
For greater reliability, the SR-L901U features automatic alarm recording capability. Whenever an alarm signal is received, a VISS index code is automatically recorded and the unit switches from the 24-hour mode to the 8-hour mode for uninterrupted real-time recording of the alarm situation. Alarm search is also possible thanks to index coding and alarm recordings can be easily retrieved in the high-speed search mode.
The SR-L901U also enters the Alarm Recording mode from the Stop mode when an alarm signal is input.

Automatic Repeat Recording
For added convenience and reduced tape costs, this convenient function automatically rewinds the tape at tape end and re-starts recording. Ideal for daily use, this permits continuous non-attended operation with a single tape.

Automatic Re-start of Recording After Power Failure
To minimize the inconvenience caused by power failures, the SR-L901U incorporates a highly reliable standby power backup system. In the Auto Rec mode, the video recorder is always kept ready to continue surveillance and recording if a power failure occurs. When power is restored, the SR-L901U will resume recording immediately and automatically.

Time/Date Generator with Back Up
The date (month, day, year) and time (hour, minute, second) can be superimposed and recorded. Internal batteries provide power backup to ensure that time/date data is not lost even if there is a power failure.

Through Output of EE Line Input with Power Off
The video signal input to the VIDEO IN connector can be monitored even when the power is turned off.

External Timer Recording Capability
Timer recording is available with an external timer unit.

Shuttle Search
High-speed search in the forward and reverse directions is possible at 13 or 21 times normal speed for 8-hour-recorded tapes.

Frame Advance
The picture can be advanced frame by frame for detailed examination of specific scenes.

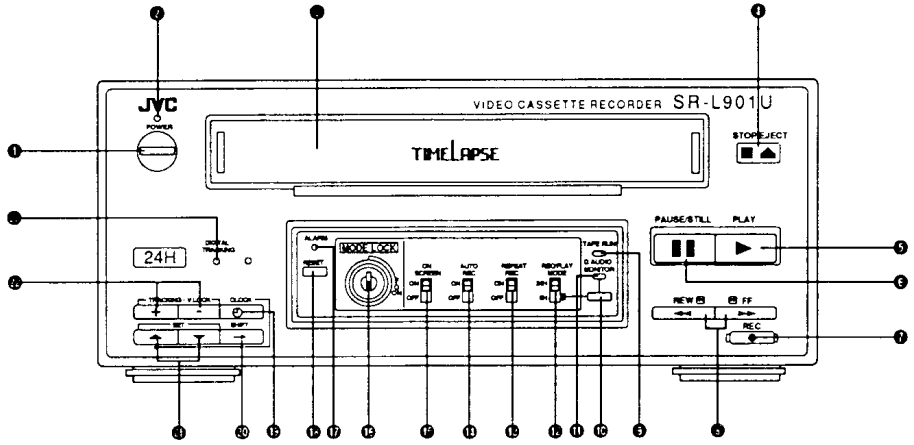
Auto Head Cleaner
To maintain optimum picture quality, a built-in head cleaner automatically cleans the video heads and head drum every time you load or unload a tape.

Camera Switching Signal Output
The SR-L901U is equipped with CAMERA SW OUT terminals which output the command signal for camera switching to a sequential switcher.

Remote Control
An optional wired remote control (RM-G30U) is available.

CONTROLS AND CONNECTORS

FRONT PANEL



❶ POWER button
Turns the power on and off. The power is automatically turned on when a cassette is inserted.
NOTE:
- The SR-L901U has a standby function. The recorder is not completely disconnected from the power supply and the voltage is still available in the apparatus even when the power is turned off.

❷ POWER indicator
Lights when the power is turned on.

❸ Cassette loading slot

❹ STOP/EJECT button
- Stops the tape.
- Ejects the cassette when pressed in the Stop mode.

❺ PLAY button
- Starts playback.
- Re-starts normal playback when pressed in the Still or Search mode.
- Re-starts recording when pressed in the Record-Pause mode.

❻ PAUSE/STILL button
- Temporarily stops recording when pressed in the Record mode.
- Displays a still picture when pressed in the Play mode.
- Advances the picture frame by frame when pressed in the Still mode.
- Engages slow-motion playback when pressed and held for more than 2 seconds in the Play mode.

❼ REC button
- Engages Record mode. Press PLAY while pressing this button to start recording. If the ON SCREEN switch is set to "ON", "R" appears on the screen.

❽ REW/FF buttons
- Starts rewind or fast-forward when pressed in the Stop mode.
- Starts high-speed shuttle search when pressed in the Play mode.
- Starts alarm search when pressed during playback of an alarm-recorded tape. The VCR enters the Still mode when the tape reaches the beginning of the alarm recording. (☞ p.19)

❾ TAPE RUN indicator
- Lights or blinks as shown below depending on the tape transport mode.

Mode	Indication	Mode	Indication
Stop	Goes off	Still	Blinks slowly (green)
Record	Lights red	Search	
Rec-pause	Blinks red	Slow	
Play	Lights green	FF/REW	Blinks quickly (green)

❿ DIGITAL AUDIO MONITOR button
To monitor sound when playing back a 24-hour mode tape in the 8-hour mode, press this button to activate digital processing.
- In the 8-hour Play mode, press to engage the Digital Audio Monitor mode.
- Press again to release this mode.
- When ⓬ REC/PLAY MODE select switch is set to 24H, you cannot engage the Digital Audio Monitor mode.

⓫ DIGITAL AUDIO MONITOR indicator
- Lights in the Digital Audio Monitor mode.
- Blinks when a VHS SP tape is played back.

⓬ REC/PLAY MODE select switch
- Selects tape speed in playback or recording.
  24H: For 24-hour Timelapse mode.
  8H: For 8-hour mode.

⓭ REPEAT REC switch
- Activates or defeats repeat recording function.
  ON: The VCR automatically rewinds the tape at tape end, and starts recording again from the tape beginning.
  OFF: Repeat recording is defeated. The VCR rewinds the tape at tape end, and stops at tape beginning.

⓮ AUTO REC switch
- Activates or defeats automatic recording function after power failure.
  ON: Recording re-starts automatically when power is restored after a power failure. Also set to this position when recording with an external timer. (Only effective with cassettes with safety tab in place.)
  OFF: Set to this position if the automatic recording function is not required, otherwise recordings could be erased by accident.

NOTE:
- Do not set up the SR-L901U to switch on and off frequently with the AUTO REC switch set to ON (e.g. by linking the SR-L901U's on/off function to a door switch) as this may cause a malfunction.

⓯ ON SCREEN switch
- ON: Time/date information is recorded together with the input signal and is superimposed on the monitor screen.
  OFF: No information is recorded or superimposed.

⓰ MODE LOCK key
- Insert the provided key into this key hole and turn it to "ON" to lock the VCR in its current mode and disable all controls except the RESET button.

NOTE:
- If battery power is depleted, the Mode Lock function may be inoperative.

⓱ ALARM indicator
- Lights when alarm recording is started by an alarm signal input to the ALARM IN terminal on the rear panel. (☞ p.15)

⓲ RESET button
- Stops alarm recording. Also turns off the ALARM indicator.

⓳ CLOCK button
- Used for clock/date setting. (☞ p.11)

⓴ SHIFT (−) button
- Moves blinking digit in clock/date setting. (☞ p.11)

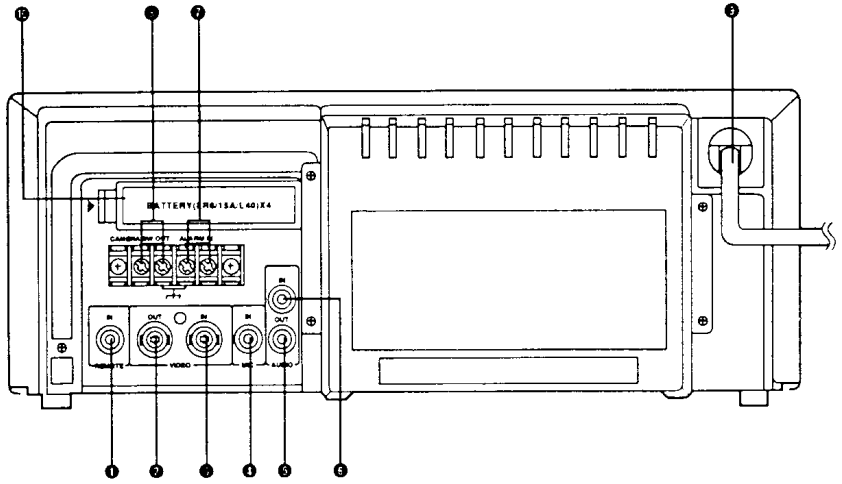
㉑ SET (▲/▼) buttons
- To set data in clock/date setting. (☞ p.11)

㉒ TRACKING/V.LOCK (+/−) buttons
- Adjusts tracking of playback picture and vertical dancing of still picture.
- Adjusts the position of on-screen time/date indication.

㉓ DIGITAL TRACKING indicator
- Blinks while tracking is being adjusted and remains lit after completion of adjustment.

CONTROLS AND CONNECTORS (Continued)

REAR PANEL



❶ **REMOTE IN connector (RCA)**
- Connect the optional remote control RM-G30U.

❷ **VIDEO OUT connector (BNC)**
- Outputs playback video signal or signal input to the VIDEO IN connector even with the power off.

❸ **VIDEO IN connector (BNC)**

❹ **MIC IN connector**
- Connect a microphone (3.6 mm dia.). When the audio signals are input to both the MIC IN and AUDIO IN connectors, mixed audio will be available.

❺ **AUDIO OUT connector (RCA)**

❻ **AUDIO IN connector (RCA)**

❼ **ALARM IN terminals with GND**
- Accepts alarm signals. This terminal uses an input-grounding type contact. (☞ p.21)

❽ **CAMERA SW OUT terminals with GND**
- Delivers a command signal for camera switching to a sequential switcher. (☞ p.21)

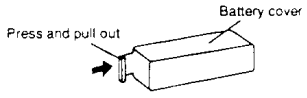
❾ **AC power cable**
- Connect to 120 V AC, 50/60 Hz power outlet.

❿ **Battery holder**
- For the batteries backing up the time/date generator.

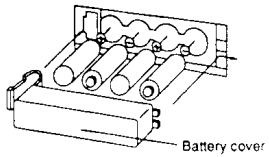
NOTES:
- Battery backup time may vary under different circumstances. When the power is always turned on, backup time will be approximately one year. In situations where an external timer is used or where the power is frequently turned on and off, backup time will be shorter.
- When the backup batteries have been in use for a long period, check the time and date to confirm that data is correct.

Installing the batteries

1. Remove the battery cover as illustrated.



2. Insert four LR6/15A/L40 batteries* as illustrated.



- Check that the batteries are inserted correctly.

3. Replace the cover.

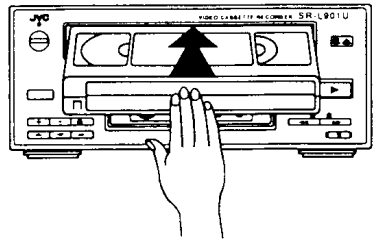
* We recommend use of alkaline batteries. Use of manganese batteries is possible, but backup time will be shorter.

HANDLING VIDEO CASSETTES

LOADING

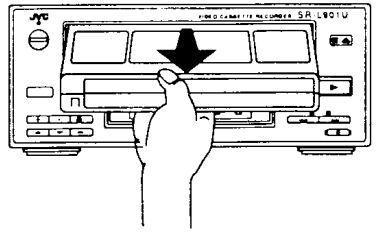
1. Insert a cassette with its label side facing you.
   - VCR power will come on automatically.
   - If the safety tab on the cassette is removed, playback starts automatically.

NOTE:
- Make sure a cassette has not already been loaded. When a cassette has already been inserted, the slot door will not open.



UNLOADING

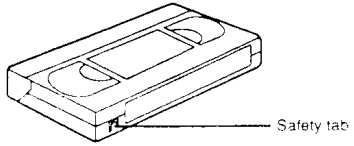
1. Press STOP/EJECT while in the Stop mode.
   - Even when the VCR power is off, simply press the STOP/EJECT button to unload a cassette.



WARNING
- Do not insert fingers or foreign objects into the cassette loading slot as this may result in personal injury or damage to the mechanism.
- Do not try to remove the cassette once automatic loading has started.

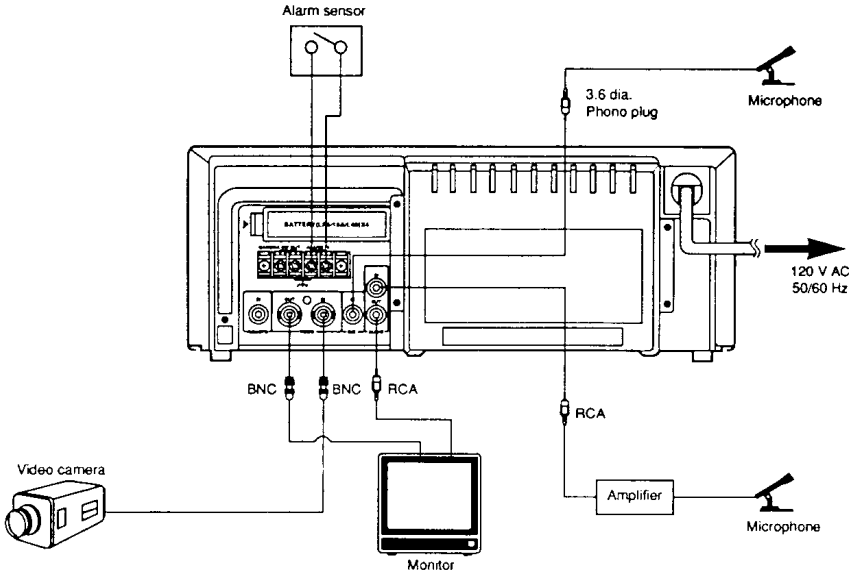
ACCIDENTAL ERASURE PREVENTION

- To prevent accidental recording on a recorded cassette, remove the cassette's safety tab.
- To record on it later, cover the hole with adhesive tape.



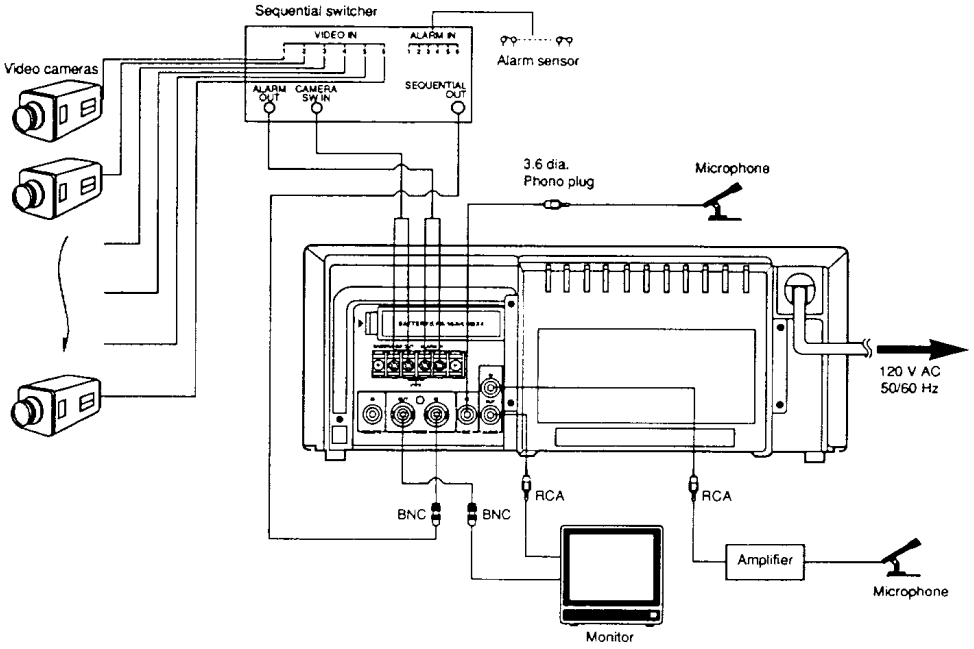
CONNECTIONS

CONNECTING TO A SINGLE CAMERA WITH A BUILT-IN SSG



1. Connect the VIDEO OUT and AUDIO OUT connectors to a monitor.
2. Connect the video output of the camera to the VIDEO IN connector.
3. If audio input is required, connect a microphone to the MIC IN or AUDIO IN connector via an optional amplifier.
4. If an alarm sensor is to be used, connect across the ALARM INPUT terminal and GND.
5. After completing connection, connect the power supply cord.

CONNECTING TO SEVERAL CAMERAS WITH A SEQUENTIAL SWITCHER



1. Connect the video cameras and alarm sensors to the sequential switcher.
2. Connect switcher's SEQUENTIAL OUT, ALARM OUT, and CAMERA SW IN connectors to the corresponding terminals of the recorder.
3. Connect a monitor to the VIDEO OUT and AUDIO OUT connectors.
4. After completing connection, connect the power supply cord

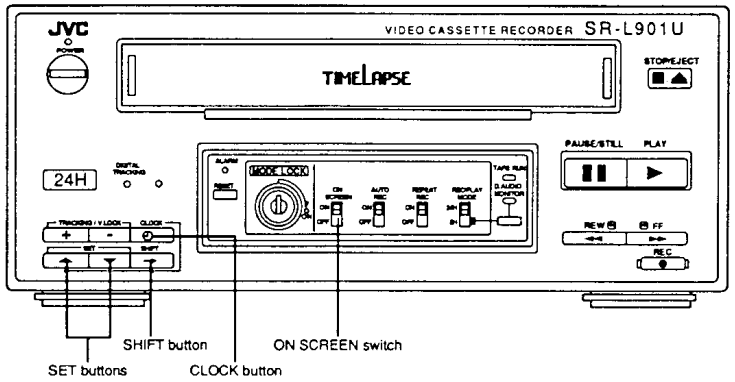
NOTES:

- When using a sequential switcher, use genlock-capable video cameras.
- When using color cameras and monochrome cameras together, use the 24-hour Timelapse recording mode.
- When using the TM-9043U monitor, use the 24-hour Timelapse recording mode.

CLOCK/DATE SETTING

The clock can be set while referring to the On-Screen display. Time/date generation is not possible if the clock has not been set.

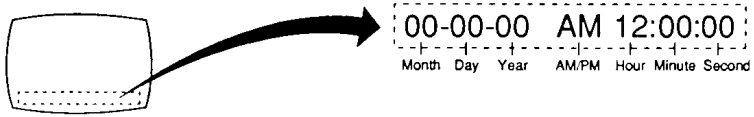
NOTE:
- On-Screen display is not available if no video signal is supplied.



PROCEDURE

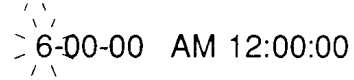
Example: When setting to "June 15, 1995, 6:30:50 pm".
- Connect a monitor to the SR-L901U and turn on both units' power.
- Supply a video signal to the recorder's VIDEO IN terminal.

1. Set the ON SCREEN switch to ON
   - Time/date display appears and blinks.

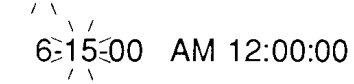


2. Press the CLOCK button.
   - The leftmost digit (Month) starts blinking.

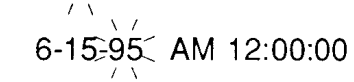
3. Enter desired value for "Month" with either SET button.



4. Press the SHIFT button to move the blinking digit and enter desired value for "Day" with either SET button.



5. Press the SHIFT button to move the blinking digit and enter desired value for "Year" with either SET button.



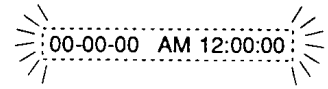
6. Press the SHIFT button to move the blinking digit and enter desired value for "Hour" with either SET button.

7. Press the SHIFT button to move the blinking digit and enter desired value for "Minute" with either SET button.

8. Press the SHIFT button to move the blinking digit and enter desired value for "Second" with either SET button.

9. Press the CLOCK button to end clock/date setting.
   - Time keeping starts.

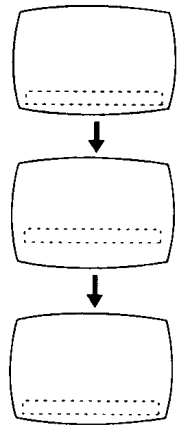
NOTES:
- After using the battery backup for a long period, confirm the time and date. (The clock may gain or lose time due to environmental variations.)
- If battery power is depleted, time/date data will be reset and the time/date display will blink.
- If battery power is depleted, malfunctions may occur in mode settings while the VCR is in the Mode-Lock state. (Such as in setting of automatic re-start of recording after power failure, repeat recording, On-screen mode, or recording/playback mode.)
- If the On-screen mode malfunctions, turn the power off and on again.



ON-SCREEN POSITION SETTING

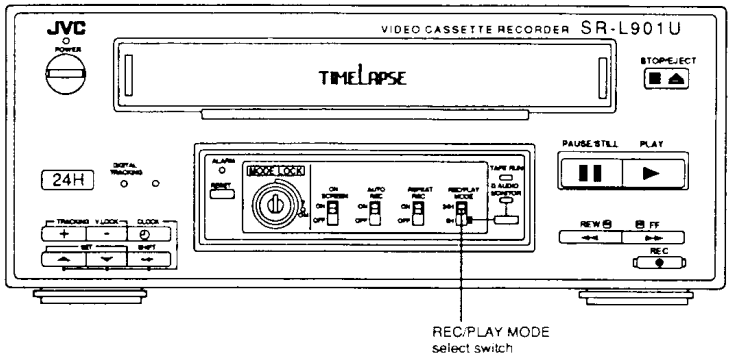
The built-in time/date generator allows you to superimpose the time and date on the video image and record it. You can select one of two positions to superimpose it.

(During clock/date setting)
- Press either TRACKING/V.LOCK +/– button to move the cursor to the position where you want the superimposed characters to appear.
- Press "+" to move the cursor up and "–" to move it to initial position.



RECORDING

RECORDING MODE SELECTION



REC/PLAY MODE select switch

Select desired recording mode as shown below:

Mode	Available recording time (hour)					Recording interval (sec)	Audio recording	Camera switching signal interval (sec)	Tape speed
	T-160	T-120	T-90	T-60	T-30				
8H	8	6	4.5	3	1.5	0.017	Yes	0.033	11.12 mm/sec (Continuous)
24H	24	18	13.5	9	4.5	0.05	Yes	0.10	3.71 mm/sec (Continuous)

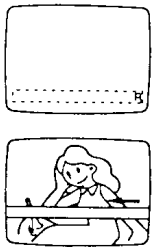
- When recording in 8-hour mode:
  Set the REC/PLAY MODE select switch to 8H.
- When recording in 24-hour Timelapse mode:
  Set the REC/PLAY MODE select switch to 24H.

NOTE:
- Available recording times may vary with different tapes.

BASIC PROCEDURE

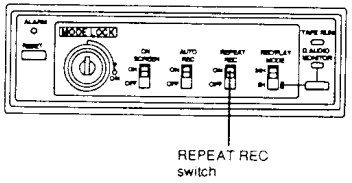
- Connect necessary components correctly. (☞ p.9)

1. Load a cassette with safety tab in place.
2. Select the recording mode as required. (☞ p.13)
3. Set ON SCREEN switch as desired. (☞ p.6)
4. Press PLAY while pressing REC to start recording.
   - The TAPE RUN indicator lights red.
   - If the ON SCREEN switch is set to ON, "R" appears beside the time/date display and is recorded.
5. To temporarily stop recording, press PAUSE/STILL.
   - The TAPE RUN indicator blinks red.
   - A white horizontal bar appears on the screen. As pause time elapses, the length of this bar decreases. After about 5 minutes the bar starts blinking, then disappears, and the recorder automatically enters the Stop mode to protect the tape.
6. To re-start recording, press PLAY.
7. To end recording, press STOP/EJECT.
   - The TAPE RUN indicator goes off.



PAUSE MODE indicator

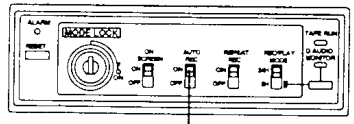
Repeat Recording
Set the REPEAT REC switch to ON. The recorder will automatically rewind the tape at tape end and start recording again from the tape beginning.



REPEAT REC switch

NOTES:
- If repeat recording is used in everyday operation, be sure to check the VCR's operating condition on a daily basis.
- Do not repeatedly engage repeat recording with the same tape (more than 30 times) otherwise picture quality will deteriorate.
- If repeat recording is used, previously-recorded alarm recordings will be erased and replaced with new material.

Automatic Re-start of Recording After Power Failure
Set the AUTO REC switch to ON. If a power failure occurs during recording, recording will re-start automatically when power is restored. The recording mode will be the same as when power was lost.



AUTO REC switch

NOTE:
- If power is restored in the 24-hour Timelapse mode, the last several-minute segment recorded before power failure will be erased.

Recording check function
To check the last-recorded segment, press the REW (or FF) button in the Record-Pause mode. The tape will play back in reverse (or forward) for as long as the button is pressed. Releasing the button resumes the Record-Pause mode.

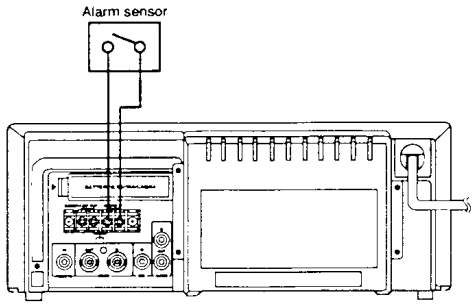
ALARM RECORDING

When an alarm signal is received while recording in the 24-hour Timelapse mode, the ALARM indicator on the front panel lights and the recording mode automatically switches to the 8-hour mode with INDEX code recorded for more detailed coverage of the alarm incident. The unit returns to the 24-hour Timelapse mode after alarm recording. (When alarm recording is engaged from the 8-hour recording mode, the ALARM indicator will light and an INDEX code will be recorded.)

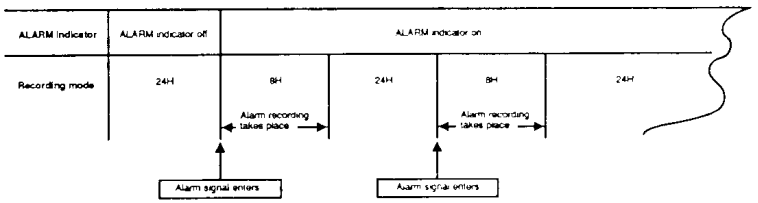
Alarm recording time varies as shown below:

Alarm signal input time	Alarm recording time
Less than 1 minute	Approx. 1 minute
1 minute or longer	1 minute or longer (as long as alarm signal is input)

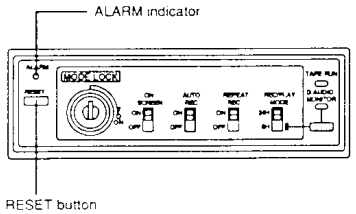
- Alarm recording stops after about 1 minute if the alarm signal is input for less than 1 minute. However, if another alarm signal is received while alarm recording is in progress, recording will continue with duration determined by the newly input alarm signal.
- Connect an alarm sensor to the ALARM IN terminals on the rear panel.
- Set the REC/PLAY MODE select switch to 24H.



If an alarm signal is input when the VCR is in the Stop mode with the power on, alarm recording starts as usual. However, when the alarm recording is finished, the VCR returned to the Stop mode.



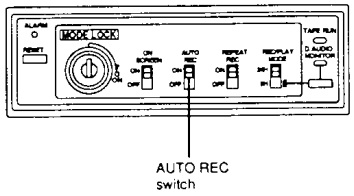
NOTES:
- Once alarm recording has been engaged, the ALARM indicator remains lit even after alarm recording is finished.
- To stop alarm recording or turn off the ALARM indicator, press the RESET button.
- An index code is recorded at the beginning of each alarm recording.



EXTERNAL TIMER RECORDING

Timer recording is possible when an external timer unit is connected.
- Connect necessary components correctly.

1. Load a cassette with safety tab in place.
2. Set recording mode as required. (☞ p.13)
3. Set the AUTO REC switch to ON.
   - Recording will start when power is supplied from the timer unit at the preset time.



PLAYBACK

BASIC PROCEDURE

- Set the REC/PLAY MODE select switch as required.

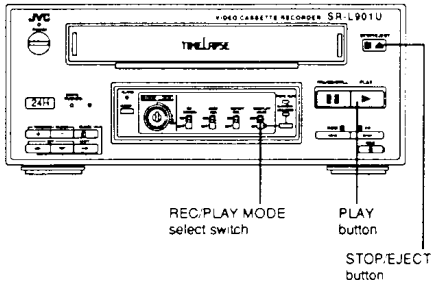
24H: Set to this position for detailed checking of video and audio recorded in the 24-hour Timelapse mode.

8H: Set to this position to check video and audio recorded in the 8-hour mode. You can also use this position to quickly check the contents of a tape recorded in the 24-hour Timelapse mode. If the Digital Audio Monitor mode is engaged, sound can be checked as well.

1. Load a pre-recorded cassette.
   - If the safety tab on the cassette has been removed, playback starts automatically.
2. Press PLAY to start playback.
   - The TAPE RUN indicator lights green.
3. Press STOP/EJECT to stop playback.

VHS SP Playback

- When a tape recorded in the VHS SP mode is inserted with the REC/PLAY MODE select switch set to 8H, it is played back in the SP mode.
  However, as this unit is designed exclusively for timelapse recording, SP performance differs from conventional VHS VCRs.
- During VHS SP playback, the D. AUDIO MONITOR indicator blinks.
- Pressing the PAUSE/STILL button has no effect.



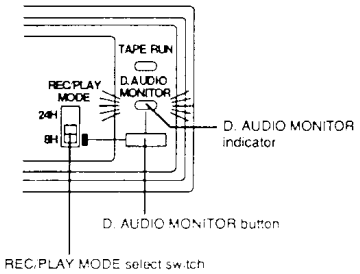
DIGITAL AUDIO MONITOR

When you play back a 24-hour-recorded tape in the 8-hour mode, the recorded sound cannot be reproduced due to the tape speed. If you need to check the sound, play back the tape in the Digital Audio Monitor mode. This also lets you check the contents more quickly.

1. Set the REC/PLAY MODE select switch to 8H and play back the tape.
   - In the Stop mode, the D. AUDIO MONITOR button has no effect.
2. Press the D. AUDIO MONITOR button to engage the Digital Audio Monitor mode. The D. AUDIO MONITOR indicator lights.
   - To release the Digital Audio Monitor mode, press the D. AUDIO MONITOR button. The D. AUDIO MONITOR indicator goes off.
   - During playback in the Digital Audio Monitor mode, pressing the STOP button releases the Digital Audio Monitor mode as well.

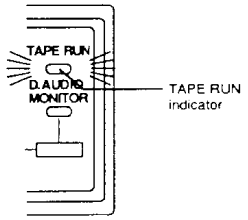
NOTES:

- The Digital Audio Monitor mode cannot be engaged when the REC/PLAY MODE select switch is set to 24H.
- To play back a tape recorded in the 8-hour mode, release the Digital Audio Monitor mode. When this type of tape is played back in the Digital Audio Monitor mode, the audio frequency is changed and checking the sound is impossible.



REWIND AND FAST-FORWARD

- Press REW or FF while in the Stop mode. The TAPE RUN indicator blinks.
- Press STOP/EJECT to stop rewind or fast-forward.



STILL AND FRAME ADVANCE

- Press PAUSE/STILL to view a still picture.
- The TAPE RUN indicator blinks green.
- Press PAUSE/STILL while in the Still mode to advance the picture frame by frame.
- Press PLAY to resume normal playback.

NOTE:

- To protect the tape, the Still or Frame advance mode is automatically canceled after about 5 minutes. The recorder will enter the Stop mode.

SLOW-MOTION PLAYBACK

- Press PAUSE/STILL for more than 2 seconds in the Play mode to engage slow-motion playback.
- Press PLAY to resume normal playback.

NOTE:

- To protect the tape, slow-motion playback is automatically canceled after about 5 minutes. The recorder will enter the Stop mode.

SHUTTLE SEARCH

- Press REW while in the Play mode for high-speed reverse search. (The button can be locked and the TAPE RUN indicator blinks green.)
- Press FF while in the Play mode for high-speed forward search. (The button can be locked and the TAPE RUN indicator blinks green.)
- Press PLAY to resume normal playback.
- Search speeds are as follows:

8-hour-recorded tape	21 times normal speed
24-hour-recorded tape	63 times normal tape

- For brief searching, keep REW or FF depressed for more than 2 seconds; releasing the button resumes normal playback.

PLAYBACK (Continued)

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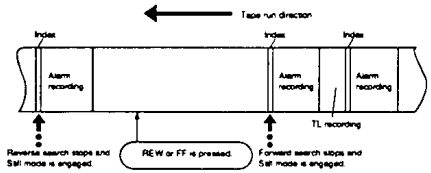

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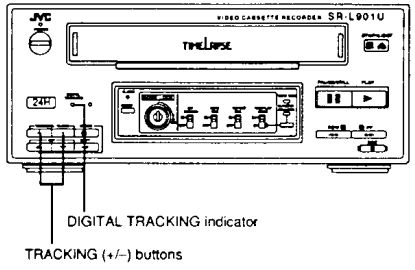
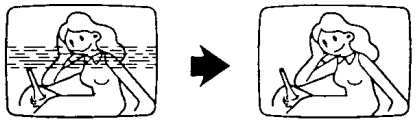
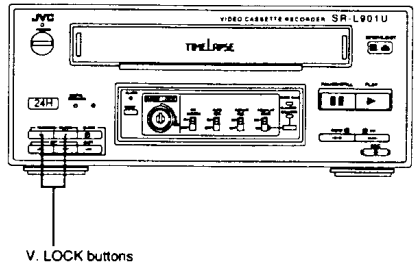




V. LOCK ADJUSTMENT

Vertical dancing in still pictures can be corrected with the V.LOCK buttons.

- Press either V.LOCK button to minimize vertical dancing.