JVC

COMPACT VHS CAMCORDER GR-SXM58 GR-SXM48 **GR-FXM38** GR-SX24

GR-FX14



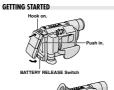
Printed in Japan 1001MKV*UN*VP COPYRIGHT® 2001 VICTOR COMPANY OF JAPAN, LTD

Dear customer,
Thank you for purchasing the JVC Compact VHS camcorder. Before use, please read
"PRECAUTIONS" (☐ pg. 3, 4) to ensure safe use of this product.

AUTOMATIC DEMONSTRATION

onstration takes place when "DEMO MODE" is set to "ON"

• INDEX Battery Pack Blue Filter Fffort Brighten The Image . Brighten The LCD Mo ording, Advanced Features ording, Start/Stop.....ording Format (S-VHS/S-V C Cassette Adapter Charge Marker Charging The Battery Pack Classic Film Effect Clean The Camcorder Connection To a VCR/TV Connection To A PC Counter Memory Retake Rewind The Tape ... Electronic Fog Filter Erase Protection Exposure Control Tape Counter ... Tape Dubbing ... Tape Length Se Tele Macro Time Base Corr Time-Lapse Sho Fast-Forward Tape 5-Second Recording Mode ...pg. 24 h Speed Shutter Mode oad A Tape ...pg. 8 .. pg. 19 ..pg. 24 ..pg. 13pg. 8 ..pg. 9, 10, 17 .. pg. 19 .. pg. 20 .. pg. 23 ual Focus Wide Mode .. Wipe-In/Outpg. 24pg. 24



•AC Adapter
AP-V12EG, AP-V11EG or AP-V10EG

0

0

• CD-ROM (GR-SXM58 only)

CHARGING THE BATTERY PACK

I) Hook the end of the battery pack to the camcorder and push the battery in until it locks in place.

If the battery pack is attached in the wrong position, a malfunction may occur.

position, a malfunction may occur.

2) Set the Power Switch '€ to "OFF". Connect the AC Adapter to the DC IN connector '€, then connect the Power Cord to the AC Adapter.

3) Plug the Power Cord into an AC outlet. The CHARGE lamp '€ blinks to indicate charging becomes the state of the Power Cord into an AC outlet.

To Detach The Battery Pack . . .
... slide BATTERY RELEASE 3 and pull out the

Battery pack	Charging time
BN-V11U*	approx. 1 hr. 30 min.
BN-V12U (optional)	approx. 1 hr. 30 min.
BN-V20U** (optional)	approx. 2 hrs. 20 min.
BN-V400U (optional)	approx. 4 hrs. 30 min.

Snapshot Button [SNAPSH6
 S-Second Recording Button
 [5 SEC. REC]*3

6 S-Video Output Connectors [S]*

Audio Output Connector [A]
 Video Output Connector [V]

O Video Output Conneco...

Battery Release Switch
[BATTERY RELEASE]...

D CI N Connector

Digital Connector [DIGITAL].

Phart/Stop Button ...

Digital Connector [DIGITAL]**
 Recording Start/Stop Button.......
 Power Switch [PM] OFF, M, M]

... 🖙 pg. 12 ... 🖙 pg. 14 ... 🖙 pg. 15

..... 🎞 pg. 15 🖾 pg. 15

.... 🖙 pg. 13

PROVIDED ACCESSORIES













ler to maintain optimum performance of the camcorder, provided cables may be equipped with rr more core filter. If a cable has only one core filter, the end that is closest to the filter should be scled to the camcorder.

USING THE BATTERY PACK
Perform step 1) of "CHARGING THE BATTERY

Connect the AC Adapter to the carncorder (CF step 2) and 3) of "CHARGING THE BATTERY PACK").

*The provided AC Adapter features automatic voltage selection in the AC range from 110 V to 240 V.

Before detaching the power source, make sure that the camcorder's power is turned off. Failure to do so can result in a camcorder malfunction.

malfunction.

REFRESH:
Be sure to fully discharge a battery pack before recharging or storing it for a long period of time, otherwise the battery performance will be reduced. THE BATTERY PACK.

2) Press REFRESH dig for over 2 seconds. The REFRESH tamp @ binks to indicate discharging has started.

3) When discharging is finished, charging automatically starts and the CHARGE lamp (

Charge marker helps you remembe whether the battery pack has been harged or not. Two colours are prov (red and black)—you choose which means charged and which means discharged.

II Recording Mode Indicator

■ Programme AE Indicator

■ Programme AE Indicator

■ Programme AE Indicator

■ Recording Format Indicator

■ Recording Format Indicator (S/S-ET)*

□ Tape Length Indicator

□ Zoom Indicator Bar

⊚ Zoom Level Indicator

⊚ Approximate Zoom Ratio

☑ Recording Indicator

P pg. 15
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 P pg. 15
 P pg. 6
 P pg. 6

Bright Level Indicator
 Instant Title Display ...
 Date/Time Display ...

Record-Standby Mode Indicator

Cassette Indicator

B Focus Indicator Exposure Control Level Counte
 White Balance Mode Indicator.
 S-VHS/S-VHS ET Recording
 Indicator*2

USING AC POWER

SVHSE VHSE

•

Battery pack Viewfinder on LCD monitor on

SAFETY PRECAUTIONS

The rating plate (serial number plate) and safety caution are on the bottom and/or the back of the

caution are on the bottom androughed back of the main unit.
The rating information and safety caution of the AC Adapter are on its bottom.

CAUTIONS This camcorder is designed to be used with PAL-type colour television signals. It cannot be used for playback with a television of a different standard. However, live recording and LCD monitor*/viewfinder playback are possible

anywhere.

- Use the JVC BN-V11U"/V12U/V20U/V400U
battery packs and, to recharge them or to supply
power to the camcorder from an AC outlet, use
the provided multi-voltage AC Adapter. (An
appropriate conversion adapter may be
necessary to accommodate different countries.)



To avoid electric shock or damage to the unit, first firmly insert the small end of the power cord into the AC Adapter until it its no longer exercit into a AC outlet

Crossed Out Dust Bin Mark

"The Crossed Out Dust Bin Mark on the battery pack indicates that the product complies with Directives 91/157/EEC and 93/86/EEC. Nickel-Cardmium (Ni-Cd) battery pack must be recycled or disposed of properly.

Cd

Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

DONT continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way — switch off, withdraw the mains plug and consult your dealer.

DONT remove any fixed cover as this may expose dangerous voltages.

DONT leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family knows how to do this. Special arrangements may to be made for infilm or handleapped people.

DONT use equipment such as personal stereos or radios so that you are distracted from the requirements of road safety. It is illegal to watch television whilst driving.

DONT obstruct the ventilation of the equipment, for example with curtains or soft turnishings.

DONT use makeshift stands and NEVER fix legs with wood screws — to ensure complete safety and if the manufacturer's approved stand or legs with the fishings provided according to the instructions. instructions.

DON'T allow electrical equipment to be exposed to rain or moisture. BONY a full we decinical equipment to be exposed to lain or inclosure.

NEVER let anyone especially children push anything into holes, slots or any other opening in the case—this could result in a fatal electrical shock;

NEVER guess or take chances with electrical equipment of any kind—it is better to be safe than correct.

bette marked SUISE and VISE can be used used with this camcorder. ever, S-VHS recordings are possible* only with cassettes marked SVISE SXM58/SXM48/SX24 only.

PRECAUTIONS

BE SURE to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

possible shock hazard by mattrement of the mains supply. If this product is not supplied fitted with a mains plug then follow the instructions given below:

DO NOT make any connection to the Larger Terminal

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

Blue to N (Neutral) or Black Brown to L (Live) or Red

IMPORTANT

During charging or discharging, the camcorder cannot be operated.
 Charging and discharging is not possible if the wrong type of battery is used.
 When charging the battery pack for the first time or after a long storage period, the CHARGE lamp @ may not light. Remove the battery pack from the camcorder, then try charging again.
 If a fully-charged battery's operation time remains extremely short, the battery is wom out. Please with the control of the c

purchase a new one.

Perform charging where the temperature is between 10°C and 5°C. 20°C to 25°C is the ideal setween 10°C and 5°C. 20°C to 25°C is the ideal setween 10°C and 5°C. 20°C to 25°C is the ideal is to could charging may be incomplete.

Charging time vertice according to the ambient temperature and the status of the battery pack.

Since the AC adapter processes electricity internally, it becomes warm during use. Be sure to use it only in well-eventilated areas.

The following operation stops charging or discharging:

ine tollowing operation stops charging or discharging:
-Set the Power Switch @ to "@XI", "D" or "@"
-Disconnect the AC Adapter from the camcorder
-Unplug the AC Adapter's power cord from the AC outlet.
-Detach the heart

John March Scholler Spote Tournament Spo

Date/Time Settings

1) Set the Power Switch ⊕ to "₪".

2) Press the MENU Wheel ⊕ in. The Menu Screen appears.

• You can select the language (ENGLISH or RUSSIAN) of messages in menu screens

*You can select the language (ENGLISH or RUSSIAN) of messages in menu screens (i≠ pg. 18, 22 "MENU LANG." in SYSTEM MENU).

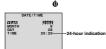
3) Rotate the MENU Wheel
10 to select ">TO SYSTEM MENU and press it to display SYSTEM MENU. Rotate the MENU Wheel
10 to select ">NEXT* and press it to display the next page.

4) Rotate the MENU Wheel
10 to select "DATE"

TIME" and press it. The DATE/TIME Menu appears.

• Thouse of the service of the section of the service of the serv





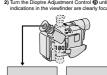
Grip Adjustment

1) Separate the Velcro strip.
2) Pass your right hand through the loop and grasp the grip.
3) Adjust so that your thumb and fingers can easily operate the Recording Start/Stop Button (1) and Power Zoom Lever (2).



/iewfinder Adjustm

r Switch **@** to "**!!!**" or "**!!!**". tre Adjustment Control **@** until the





Tripod Mounting
Align the screw and camera direction stud on the tripod with the tripod mounting socket ❷. Then tighten the screw.

When using a tripod, be sure to open and extend its legs fully to stabilise the camcorder. To prevent damage to the unit caused by failing over, do not use a small-sized tripod.

CAUTION

When the equipment is installed in a cabinet or on a shelf, make sure that it has sufficient space on all sides to allow for ventilation (10 cm or more on both sides, on top and at the rear).

Do not block the ventilation holes. (If the ventilation holes are blocked by a newspaper, or cloth etc. the heat may not be able to get out.)

(if the ventiliation noises are biolosed by a newspaper, or cloin else; the neat may not be able to get out.)

No naked flame sources, such as lighted candles, should be placed on the apparatus.

When discarding batteries, environmental problems must be considered and the local rules or laws governing the disposal of these batteries must be followed strictly.

Do not use this equipment in a partnroom or places with water.

Also do not place any containers filled with water or liquids (such as cosmetics or medicines, flower vases, potted plants, cups etc.) on top of this unit.

(If water or liquid is allowed to enter this equipment, fire or electric shock may be caused.)

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

to be assured.

Do read the operating instructions before you attempt to use the equipment.

Do ensure that all electrical connections (including the mains plug, extension leads and intercon between pleces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

The apparatus shall not be exposed to dripping or splashing.

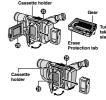
Do not use this equipment in a bathroom or places with wate

Loading/Unloading A Cassette

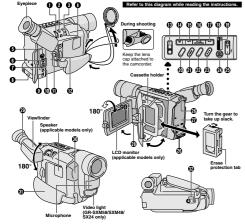
holder until it locks into place. Close the LCD monitor.

• Closing the LCD monitor while the cassettle holder is still open may cause damage to the LCD monitor.

• Make sure the erase protection tab is in the position that allows recording. Ind. stilled he but. Some control provided the but. Some control provided the stilled the but. Some control provided the but with the but wi



CONTROLS, CONNECTORS AND INDICATORS



LCD Monitor/Viewfinder During Recording EST 1401 REC SP SET 1401 - LCD Monitor/Viewfinder Indication Uuring Playback S 51 55 57 57 50 50 50 TBC S-ET SP TBC 1:23:45' 8W MONOTONE AT | BRIGHT - -----+, | CONGRATULATIONS| | 25.12.01 | 11:45:18| 9 9 VOLUME - ----+1

₽ pg. 25 for Warning Indications 9

Zooming
To produce the zoom in/out effect. Digital circuitry extends the maximum magnification offered by optical zoom. This system is called Digital Zoom.
Side the Power Zoom Lever © Jowands "Ti to Side the Tower Zoom Lever © Jowands "Ti to The Law Comman Comm

Video Light (GR-SXM58/SXM48/SX24 only) To brighten the scene when natural lighting is too

Set LIGHT OFF/AUTO/ON (8) as required: OFF: Turns off the light.

AUTO: Automatically turns on the light when the camcorder senses insufficient lighting on the subject.

ON: Always keeps the light on as long as the camcorder is turned on.

• It is recommended to set M.W.B. (2° pg. 19) to

**A* in CAMERA MENU when you use the video
interval of the battery indicator (□) does not blink
if the battery pack's charge is tow, the camonder
may turn off automatically when you turn on the
video light, or when you start recording with the
video light to when you start recording with the
video light to when you start recording with the
video light to PEF/AUTO/ON ● is set to "AUTO".
**Depending on the lighting conditions, the video
light may keep turning on and off. Set LICHT
OFF/AUTO/ON ● to ON or OFF as required
is engaged, the light is likely to stay on. While
the "Twight" mode is engaged, the light will not
activate. (□° pg. 24. "Programme AE with
Special Effects")

DANCER

The video light can become extremely hot. Do not touch it either while in operation or soon after turning it off, otherwise serious injury may result.

Do not place the camcorder into the carrying cast immediately after using the video light, since it emains extremely hot for some time.

The property of the carrying cast immediately after using the video light, and people or objects.

Do not use near flammable or explosive materials.

materials. • It is recommended that you consult your nearest JVC dealer for replacing the video light.

Outck Review

To check the end of the last recording.

1) Make sure the camcorder is in the RecordStandby mode.

2) Press 44 @ ban f release guidety.

Tape is revound for approx. 1 second and
played back automatically, then pauses in
Record-Standby mode for the next shot.

- Distortion may occur at the start of playback. This
is normal.

Retake

®

To re-record certain segments.

1) Make sure the camcorder is in the Record-

Standby mode.

Press and hold either RETAKE @or @ to reach the start point for new recording. Pressing ▶

© nowards the tape and pressing ★

© start recording.

Start/Stop Button @ to start recording.

Notice hereorities. start recording.
 Noise bars appear and pictures may become monochrome or darken during Retake. This is normal.

playback. To activate Manual Tracking:

1) Press the TRACKING Wheel of for approx.
2 seconds. "MT" appears.

2) Rotate the TRACKING Wheel of so that the noise bars disappear.

To return to Auto Tracking prose the TRACKING.

© Camera Sensor
Be careful not to cover this area; a sensor
necessary for shooting is built-in here.

© Grip Strap Pg. 8
Tripod Mounting Socket Pg. 8

vitate time incomments be arrived and appear. The time in Auto Tracking, press the TRACKING set 10 for approx. 2 seconds or set the Power litch 10 to "OFF" and then "222" again. "AT" 3 ks. When Auto Tracking finishes, the indication blinks. When Auto I I attacking immunos.

*When noise bars appear during playback, the camcorder enters the Auto Tracking mode and "AIT @ appears.

*Manual Tracking may not work with tapes recorded on other VCRs or camcorders.

TBC (Time Base Corrector)

TBC [Time Base Corrector)
Removes litter from fluctularity video signals to deliver a stable picture even with old tapes. Proceedings of the picture of the

Counter Memory

™ appears.
3) After recording or playback, press ■ ①, then
◆ ①. The tape automatically stops at or close to 0:00:00.

4) Press ►/II
to start playback.

•The counter memory functions in the Fast-■ I ne counter memory functions in the Fast-Forward and Rewind modes.
■ To disable the counter memory function, press COUNTER R/M
⑤ for less than 1 second so that

"M" disappears.

Playback Special Effects Allows you to add creative effects to the playback

image, (□ pg. 24, "Digital Effects")

1) Activate "TBC" and Auto "Tracking".

2) Press DIGIFECT ② repeatedly until the desired mode 题 appears.

To cancel the effect, select "OFF".

NEGA POSI, MOSAIC and STRETCH are not available.

Set REC MODE, S-VHS (S-VHS ET)**, TAPE LENGTH and DATE/TIME in SYSTEM MENU. (\mathbb{LP} pg. 18 – 22, "MENU SETTINGS")

RECORDING

. □ r pg. 11

... 🖙 pg. 24 ... 🖙 pg. 24 ... 🖙 pg. 23

.. 🖙 pg. 20 ... 🖙 pg. 11 🖙 pg. 8 .. 🖙 pg. 14

(₹7 pg. 18 – 22, "MENU SETTINGS")

1 Remove the lens cap, Set the Power Switch ⊕ to "D" o" "".

Shooting while using the viewfinder: Make sure the LCD monitor is closed and tocked. Shooting while using the LCD monitor. Make sure the LCD monitor is tuly open. The camcorder enters the Record-Standby mode and "PAUSE" is displayed.

If you tilt the LCD monitor upward to 180 degrees, the viewfinder switches back on and the monitor than the LCD monitor is the viewfinder switches back on and the monitor of the person you shoot can view investifiereset.

2 Press the Recording Start/Stop Button ௵ ∰ Signapears while recording is in progress.

10 stop recording in press the Recording Start/Stop Button ௵ The camcorder re-enters the Record Standby mode.

To Adjust The Brightness Of The LCD Monitor* rotate the BRIGHT Wheel ● until the bright level indiator ⑤ on the display moves and the appropriate brightness is reached.

Connections To A TV/VCR

Connections To A TVIVCR

1) Make sure all units are turned off.

2) Connect the camcorder to a TV or VCR. If using both TV and VCR, connect the VCR output to the TV input.

3) Turn on all units. Set the VCR to its AUX input mode, and set the TV to its VIDEO mode.

1-lise the AC Adapter as the power supply.

Else sure to adjust the TV sound volume to its own when the camcorder is turned on.

11 you have a TV or speakers that are not specially shielded, do not place the speakers adjacent to the TV as interference will occur in the camcorder playback picture.

camcorder playback picture.

If your TV/VCR has a 21-pin connector, use the provided Cable Adapter.

The S-Video cable connection can improve the dubbed picture quality. If your TV/VCR has a 21-pin connector use a commercially available.

PLAYBACK

1 Load a tape (□ pg. 8, "Loading/Unloading A Cassette").

Cassette¹).

2 Set the Power Switch **(0** to **(520)**. To start playback, press **>11 (0**.

10 **(1)** To start playback, press **>11 (0**.

10 **(1)** To start playback, press **(0**. Press **(4)**10 to start playback, press **(0**. Press **(4)**10 to rewind, or **(6)** To start playback, press **(5)**11 to the press **(5)**12 to rewind, or **(6)**13 to rewind, or **(6)**14 to rewind, or **(6)**15 to rewind, or **(6)**16 to rewind, or **(6)**17 to resulting search (Shuttle Search) is possible by pressing **(4)**18 to **(7)**19 to

playback confuses search until released). To resume normal playback, press > 11 @C

For VIDER RECORDING/VIDEO PLAYBACK

The camcorder shuts off automatically after about
5 minutes in the Record Sandy or 50cm node.

The camcorder shuts off automatically after about
5 minutes in the Record Sandy or 50cm node.

When the Power Switch @ is set to "11" "8" or

"60" and the LCD monitor is opened at an
angle of 60 degrees or more, the LCD monitor's

without so and the viewfinder switches off

automatically to save power.

LCD monitor or on a connected VI (4" pp. gt. 5".

"Connections To A TV/CRT).

To remove the indications, 2" pp. 2.1, DISPLAY or

OSD OUTPUT in SYSTEM MENU.

To control the speaker volume, slide VOL.

In traction of the speaker volume, slide VOL.

If TBC (2" pp. 14) is engaged during Still

Playback, noise bars will not appear (GR-SXM58/
SXM48/SX24 only).

Applicable models only.

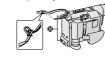
I Connect the camourder and the VCR (CP*Connections To A TV/VCR*), Set the Power State (B to **QET*), turn on the VCR's power, and insert se appropriate cassettes in the same tree appropriate cassettes in the VCR's AUX and Record*-Parise modes.

AUX and Record Parise modes.

mode.
4) Engage the VCR's Record-Pause mode and press **>/II** (a).
• Repeat steps 2) through 4) for additional editing, then stop the VCR and camcorder when finished.

Tape Dubbing

Thread the strap through the eyelet (1), then fold it back and thread it through the buckle. Repeat the procedure to attach the other end of the strap to the other eyelet (2), making sure the strap is not height (1).



5Sec. Rec (5-sec. Recording) NASIL TEALURIS

Snapshot (GR-SXMA8/SXM48/SXZ4 only)

You can record still images that book like photographs onto a tape.

1) Perform step 1 of "RECORDING" (□ Pg. 11).

2) Press SNAP-SHOT ②.

1- There is a momentary camera shutter-type blackout together with the sound effect of a shutter closing.

5-napshot is also available during playback. However, the shutter sound is not heard.

BASIC FEATURES

snake.

• (1), [E] appears blinking if the Stabiliser cannot be used.

*This function cannot be activated during the

*Night-Scope", "CLASSIC FILM", "STROBE" and

"VIDEO ECHO" modes (=> pg. 24, "Digital

Fflerte")

Picture Stabiliser

FICTURE STABILISER

To compensate for unstable images caused b camera-shake, particularly at high magnificati 1) Press P. STABILIZER Ø. Ø., ®. appears.

2) To switch off the Picture Stabiliser, press P. STABILIZER Ø. O., ® disappears.

Accurate stabilisation may not be possible in certain conditions including excessive hand

1

Connection To A Personal Computer

(GR-SXMS only) Vou can transfer image data from the camcorder to a PC using Digital Photo Navigator. When connecting to yeur PC, refer to the instruction manuals of the PC and Setup Guide for the provided software. -Use the AC Adapter as the power supply. When connecting to a Macinitosh... The optional KEYSPAN USA-19 USB PDA Adapter is required. -Walchilds his a repistered trademark of Apple

Macintosh is a registered trademark of Apple Computer, Inc.
 Keyspan is a trademark of InnoSys Inc.

Using The Cassette Adapter

s to play back an S-VHS-C/VHS-C video e recorded with this camcorder on a S-VHS/

cover.

2 Silde the latch to open the compartment door, then insert the cassette and close the compartment door.

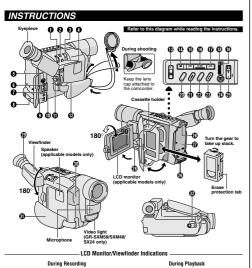
3) Load the cassette adapter into the VCR and play the tape back.

4) Silde the latch and the compartment door opens automatically Tiss may take around 10 seconds. Do not attempt to force the adapter open. Then, insert your finger in the hole, and push up and remove the cassette.

Interest of the control of the contr

(D) D

Available when the Power Switch **⊕** is set to "B" or "B". *Performing any operation during the demonstration stops the demonstration temporarily. If no operation is performed for more than 1 minute after that, the demonstration will resume. **DEMO MODE" remains "ON" even if the camcorder power is turned off. **To cancel Automatic Demonstration, set the Power Switch **⊕** to "B" and press the MENU Wheel **⊕** in while the demo is in progress. This blace you directly to the demo mode's Setting Menu (so you directly have to go through he main them, of Screen). Affoliat his MENU Wheel **⊕** in select "OFF" and press it. NOTES: *When a tape whose Erase Protection tab is in the position that allows recording is loaded in the camcorder, demonstration is not available. *If you do not detach the Lens Cap, you cannot see the actual changes of the Automatic Demonstration activated on the LCD monitor* or viewlinder.



☐ pg. 25 for Warning Indications .

(I)

INT. TIME

Allows you to set the tape length depending on the tape used: T30=30 minutes, T45=45 minutes, T50=50 minutes, T60=60 minutes. T60=60 minutes correct only if the correct tape length has been selected. DISPLAY FULL: Makes all of the indications appear on the LCD monitor*/viewfinder during playback or

SIMPLE: Makes the following indications disappear from the LCD monitor viewfinder during recording or playback:

1 tape remaining time,

1 tape length (12" pg. 9, 17).

Applicable models only.

Applicable models only.

OSD OUTPUT

TAPE I FNGTH

ON: On-screen indications are displayed.

OFF: On-screen indications are turned off except Date/Time, Instant Title and Warning Indication.

REC TIME
You can shoot a series of pictures, each slightly
different, of the same object for a brief sekected
period of time (Animation). REC MODE should t
set to "SP". Select the desired recording time and press the Recording Start/Stop Button (1) after focusing or

Recording State Goop Co...

Fade- or wipe-in/out cannot be performed.

This function is cancelled when the power is shut off or when the cassette is ejected.

1 Set the Power Switch (10 to "M".
2 Press the MENU Wheel (1) in The Menu Screen appears. Rotate the MENU Wheel (1) to

MENU SETTINGS

Screen appears. Rotate the MENU Wheel

to select the desired function.

To go from CAMERA MENU to SYSTEM MENU,
rotate the MENU Wheel

St oselect

YOUNG THE MENU! and press it. SYSTEM MENU is
composed of 2 pages. To go to the next page,
rotate the MENU Wheel

to the select

NEXT. Totate are included and press it.

•To return to CAMERA MENU from page 2 of SYSTEM MENU, rotate the MENU Wheel
• to select "▶TO CAMERA MENU" and press it.

CAMERA MENU III

AUTO PROPRIES CONTROL III

N.W.S. AUTO NAW, S. AUTO N

▶RETURN 3 Press the MENU Wheel 1 in to display the Setting Menu and rotate it to select the desired

setting.

4 Press the MENU Wheel ① in. The Menu Screen reappears with the highlight bar on "►RETURN". Press the MENU Wheel ① in. The

CAMERA MENU

FOCUS

Manual exposure adjustment is recommended in the following situations:

• When shooting using reverse lighting or when the background is too bright.

• When shooting on a reflective natural background such as at the beach or when sking.

• When the background is overly dark or the subject light.

subject light.

To brighten the image, rotate the MENU Wheel

downward.

To darken the image, rotate the MENU Wheel

sure control level increases/decrea n ±06).

M.W.B.

TITLE If the white balance is correct, all other colours will be accurately reproduced.

AUTO : White balance is adjusted automatically.

FINE : Outdoors on a sunny day.

FINE autorimatically.

3. CLOUD : Outdoors on a surny day.

3. CLOUD : Outdoors on a cloudy day.

4. MALOGEN : A video light one similar type of surner day.

MWB: White balance and surner day of the committed of plan white paper in front of the subject. Adjust zoom or position younger los that the white paper fills the screen. If it is difficult to losu on the white paper adjust focus manually (c≠ FOCUS in CAMETA MENU.) Press the MENU Wheel € in until *MWE begins blinking. When the setting is completed, *MWE stops blinking.

4. White balance cannot be used when the *SEPIA* or *MONOTONE* mode (c≠ pg. 24, *Digital Eflects') is activated.

5. LX |

Effects') is even...

MAX: To record a subject in a darkly lit environment, when it is more convenient to shoot the subject with a brighter image even if the picture becomes slightly coarse.

"A renord a subject in a dimly lit "To renord a subject in sohot to shoot to shoo

NORMAL: To record a subject in a dimly lit environment, when it is more convenient to shoot with a less coarse picture although the subject becomes slightly dark.

ADVANCED FEATURES

Night-Scope (GR-SXM58/SXM48/SX24 only)
Makes dark subjects or areas even brighter than
they would be under good natural lighting.

2) Press NIGH - IS:CUP-E @ repeatedy until the desired mode appears.

■ A NIGHT AUTO: The shutter speed is automatically adjusted (maximum 35 sec.).

■ 1 NIGHT 20X (only when the Power Switch ⊕ is set to "29". The shutter speed is set to 29". The shutter speed is set to 29". The shutter speed is set to 29". The shutter speed is set to 19" as econd to provide 20 times the sensitivity.

■ 2 NIGHT 50X (only when the Power Switch ⊕ is set to "10". The shutter speed is set to 1 second to provide 50 times the sensitivity.

■ 10 cancel the effect, press NIGHT-SCOPE ⊕ repeatedly until "OFP" appears.

■ During Night-Scope, the following cannot be activated. "Picture Stabiliser," Programme AE With Special Effects". "Digital Effects" and "SLX" in CAMERA MEMU (or "20". I) and CAMERA MEMU (or "20". I) US (or "10" or "0". I USHT OFF".

AUTO'ON ⊕ is set to "AUTO" or "ON" (or "9p. 13, "Video Light").

■ During Night-Scope, it may be difficult to bring the camcorder into fous. To prevent this, use of a tripod is recommended.

OFF: Allows you to shoot dark scenes with no picture brightness adjustment.

Allows you to superimpose one of eight preset titles in 2 different languages. Change the language in TITLE LANG. (□ pg. 22) in SYSTEM MENU.

■ shows the selected title which remains until OFF is selected.

NAKES the date/lime appear in the camcorder or on a connected monitor (set DATE/TIME in SYSTEM MENU first [27 pg. 7).

The selected display will be recorded. If you do not want to record the display, select OFF before

not want to record und unapputy com-shooting.

In the AUTO DATE mode, the camcorder records the date for about 5 seconds when recording is initiated after the date is changed, a cassette is loaded, or AUTO DATE is selected. The date is replaced after 5 seconds with "AUTO DATE" but this is not recorded.

Fade/Wipe Effects

Fade-or wipe-in works at recording start, and fade-or wipe-out works at recording end.

1) Set the Power Switch ⊕ to "⊕".

2) Press FADE/WIPE ⊕ repeatedly until the desired mode appears.

3) Press the Recording Start/Slop Button ⊕ to activate fade-involut or wipe-involut.

- Pressing and holding the Recording Start/Slop Button ⊕ lined button ⊕

Ex FADER: Fades in/out to a black screen

Bi FADER: Fades involut to a black screen.
E MOSAIC (Fader): Gradually turns/returns the picture inlo/from a mosaic pattern.
⊇ SHUTTER (Wipe): A black screen moves in from the top and bottom, closing over the image like a shutter, or a new image pushes open the black screen vertically from the centre.
□ SLIDE (Wipe): A black screen moves in from the left to gradually cover the image, or a new image moves in from right to left.
□ DOOR (Wipe): Wipes in as the two halves of

the left to gradually cover the image, or a new image moves in from right to left.

B DOOR (Wipe): Wipes in as the two halves of a black screen open to the left and right, revealing the scene, or wipes out and the black screen reappears from left and right to cover the scene.

CORNER (Wipe): Wipes in on a black screen right to the lower left corner, receipting the scene, or wipes cut from lower left to read the right of the lower left of the corner in the centre of the screen from the corners from the centre of the screen from the corners to the centre, leaving a black screen.

SYSTEM MENU

REC MODE

REC MODE
Allows you to set the recording mode. "LP" (Long
Play) is more economical, providing twice the
recording time.
If the recording mode is switched during
recording, the playback picture will be blurred at
the switching point.

D. ZOOM

Zooming is possible from 16X (the optical zoom limit), to a maximum of 50X or 700X digital magnification.
When set to "OFF" only optical zoom (maximum 16x magnification) can function.

WIDE WIDE

When set to "ON" black bars will be recorded at the top and bottom of the screen to produce a cinemalike "wide-screen" effect. Not effective with "Snapshot" (GR-SXM58/SXM48/SX24 only, IZ" pg. 12). S-VHS (S-VHS ET)

(GR-SMSSSXM48SX24 only)
ON: With an S-VHS cassette "S" appears and the camcorder records in S-VHS.
With a VHS cassette, "S-E" appears and the camcorder records with S-VHS picture quality, which is called Super VHS ET (Expansion Technology). S-VHS REC appears during recording.

OFF: Records in VHS on a VHS or S-VHS casseτte. •JVC EHG (Extra High Grade) tapes are recom wended for superior results.
Use S-VHS tape for storing recordings for an extended period or for recording important scenes, as it enables higher-quality recording and

to thate state wireten tower research and to obtained.

If the SVHS ET mode or recording format is switched during recording, the playback picture will be blurred at the switching point.

It is recommended that tapes recorded on this camcorder be played back on this camcorder.

Tapes recorded in SVHS OF SVHS ET mode or the state of the switching played back on this camcorder.

be played back not only on this camed also on a Super VHS VCR.

Tapes recorded in S-VHS ET mode

Programme AE With Special Effects
1) Set the Power Switch (P to "@".
2) Press PAE (P) repeatedly until the desired mode

Digital Effects

1) Set the Power Switch ♠ to "@".
2) Press Digital Ect of "prepatedly until the desired mode appears.

To cancel the effect, press Digital Ect of repeatedly until "OFF" appears.

This function cannot be activated during Night-Scope (F* pp. 23).

Picture Stabiliser cannot be activated during the "CLASSIG FILM", "STROBE" and "VIDEO ECHO" mode.

Tapes recorded in S-VHS or S-VHS ET mode cannot be played back correctly on a normal VHS

cannot be played back conecuty w...
VCR.
S-VHS ET does not work with S-VHS tapes.
•To avoid on-screen noise, do not perform Still
Playback or Shuttle Search repeatedly.
•If the picture contains a lot of jitter or noise, us cleaning cassette.

2) Press PAE prepatedly until the desired mo appears.
1o cancel the effect, press PAE prepatedly until 'OFF' appears.
Only one mode can be engaged at a time.
In the "High Speed Shutter" or "Sports" modes, picture colour may be adversely affected if the subject is lift by alternating discharge-type light sources such as flourescent or mercury-vapour lights. ights.

This function cannot be activated during NightScope (pp. 23). ★ SPORTS: High shutter speed clearly captures fast-moving action.

78, \$PORTS: High shutter speed clearly captures fast-moving active.

ND: ND EFFECT: A black mist darkens the picture, as when an ND litter is used. Helps to counter the effects of glare on the subject.

FG: FGC: Makes the picture look mistly while, as when an external fog litter is attached to the lens. Softens the mage and gives it a finalary! look. Softens the mage and gives it a finalary! look.

FG: FOC: Makes the picture look mistly while, as when an external fog litter is attached to the lens.

Softens the mage and gives it a finalary! look.

FG: FOC mode (12° *Digital Effects*) is activated.

2** TMILIGHT: Duck, thelight conerny, fresporks, out., look more natural and dramatic. In this mode, SLX and ALITO FOCUS in CAMERA MENU.

(12° pp. 18, 19) may not work.

*2** STAZONO (12'000 sec. High Speed Shutter): Captures laster action than Sports mode. The screen becomes slightly dark. Use in well-lit situations.

SEPIA: Recorded scenes have a brownish tini like old photos. Combine this with WIDE in SYSTEM MENU for a classic look.

BY MONOTONE: Like black and white films, your footage is shot in B/W. Combine this with WIDE in SYSTEM MENU for a classic look.

☐ R. FILTER: Recorded scenes have a reddish
field. SOLARI: The picture is recorded with an effect similar to a painting.

NEGA POSI: The colours of a picture are

MOSAIC: Turns recorded scenes into a mosaid STRETCH: Doubles the width of the picture

horizontally.

© CLASSIC FILM*: Makes your footage look like a classic movie by shooting in black and white, with a strobing effect, and black bars added at the top and bottom. STROBE*: Your recording looks like a series

of consecutive snapshots.

W VIDEO ECHO*: Adds a "ghost" to the subject, giving your recording a "fantasy" feeling. Zoom magnification of over 10X is not available.

GR-SXM58/SXM48/SX24 only.

: 1/6" format CCD : F1.6, f = 3.9 mm to 62.4 mm, 16:1 power zoom lens with auto iris and macro control, filter diameter 40.5 mm : Electronic viewfinder with 0.5" black/white CRT

2.5" diagonally measured, LCD panel/TFT active matrix system

: 1 V (p-p), 75 Ω unbalanced, analogue output (via Video output connector) : 300 mV (ms), 1 kΩ analogue output (via Audio output connector) : ø3.5 mm, 4-pole, mini-head jack

: Auto/Manual adjustmer

TROUBLESHOOTING

hearest VV dealer for head dealing of replaceme
The tape stops during fast-forward or rewind.

- The Counter Memory Function has been activated
(E'rp g. 14, "Counter Memory").

The date and time displays disappear.

If you remove the power source from the camcorde
while the power is on, all settings and selections are
erased. Make sure to turn the camcorder's power o
before disconnecting the power source.

The tape will not eject.

• The battery pack is running low.

• If the LCD monitor is not open over 60 degrees, the EJECT switch ❷ does not function.

The camoorder is a microcomputer-controlled device External noise and interference (from a TV, a radio, set.) might prevent it from functioning properly. In suc cases, first disconnect its power supply unit (battery pack, AC Adapter, etc.); and then re-connect it and proceed as usual from the beginning.

Before consulting your JVC dealer, please check the following ing to see if you can correct the problem yourself

Vertical white lines appear when shooting a very bright object.

This sometimes occurs when the contrast between the back-ground and the object is great. It is not a defect of the camcorder.

Bright, crystal-shaped spots appear in the LCD monitor and the viewfinder.

Sunlight is directly entering the lens. This is not a defect of the camcorder.

• Surlight is directly entering the lens. This is not a defect of the camconter. Of the camconter of the camconter of the camconter of the viewfinder.
• The LCD monitor of the Viewfinder are made with high-precision technology However, black spots or bright.
• The LCD monitor of the Viewfinder are made with high-precision technology However, black spots or bright.
• The LCD monitor or in the Viewfinder. These spots are not recorded on the tape. This is not due to any defect of the unit. (Effective docts: more than 99.99 %.)
• Animation or Time-Lapse is not available.
• Lapse is not

The TV has not been set to its VIDEO/TV Switch has not been set to its VIDEO/TV Switch has not been set to its VIDEO/TV Switch has not been set to VIDEO.

Warning Indications

You can record sequentially at preset time spans. Leaving the camcorder aimed at a specific subject you can record subtle changes over an extended period of time, (Time-Lapse). REC MODE should be set to "SP".

VOLUME - ----- +1

Select the desired interval time and press the Recording Start/Stop Button **①**.

Fade- or wipe-in/out cannot be performed.

*This function is cancelled when the power is shut off or when the cassette is ejected.

TELE MACRO When set to "ON", you can shoot a subject as large as possible at a distance of approx. 60 cm.
Depending on the zoom position, the lens may go out of foois

MENU LANG. MENU LANG.

Allows you to select the language (ENGLISH or RUSSIAN) of messages only in menu screens (CAMERA MENU, SYSTEM MENU or their sub-

TITLE LANG. Allows you to select the language (ENGLISH, FRENCH, RUSSIAN or UKRAINIAN) of TITLE in CAMERA MENU. After selection, the TITLE setting menu ((27 p. 19) appears automatically.

Allows you to set the current date and time.

Video Light (for applicable models) DANGER:

The video light becomes extremely hot. Do not touch it either while in operation or soon after turning it off, otherwise serious injury may result.

Do not place the camcorder into the carrying case immediately after using the video light, since it remains extremely hot for some time.

General Battery Precautions
If the cassette adapter is not functioning even if it is being operated correctly, the batteries are exhausted. Replace th with fresh ones.

reas or explores.

6. Do not dispose of the batteries in a fire.

7. Remove the batteries from the unit if it is to be stored for an extended period to avoid battery leakage which can cause malfunctions.

The battery packs are nickel-cadmium or nickel metal-hydride batteries. Before using the supplied battery pack or an optional battery pack, be sure to read the following

Battery Packs

. To avoid hazard . . .

extremely not for some time.

When operating, keep a distance of about 30 cm between the video light and people or object.

Do not use near flammable or explosive materials. It is recommended that you consult your nearest J for replacing the video light.

DATE/TIME

DEMO MODE

®

Demonstrates certain functions automatically. Available when the Power Swint-® is set to "To" or "B" and "DEMO MODE" is set to "CN" (factory-preset). Performing any operation during the demonstration stops the demonstration stemporarily, Set to OFF to stop completely. In the position that allows recording is loaded in the camocride, demonstration is not available.

If you do not detach the Lens Cap, you cannot see the actual changes of the Automatic Demonstration is not Automatic Demonstration activated on the LCD monitor' or viewfinder.

CAUTIONS

Use only the specified batteries D* pg. 2 "PROVIDED ACCESSORIES" Please make note of the following rules for battery use. Wher misused, the batteries can leak or explode. Cassettes
To properly use and store your cassettes, be sure to re following cautions: misused, the batteries can leak or explode.

1. When replacing batteries, read the cassette adapter (C-P6U/C-P7U) instructions.

2. Do not use any different size of batteries from those specified.

Icollowing cautions:

During use ...

make sure the cassette bears the S-VHS-C or VHS-C make.

WHS-C make.

De aware that recording onto prescorded stapes automatically enases the previously recorded video and suido signatis.

I make sure the cassette is positioned properly when tracefully.

fingerprints and dusk.

Store cassettes...
away from heaters or other heat sources.
out of direct sunlight.
where they won't be subject to unnecessary shock or

vibration.

where they won't be exposed to strong magnetic fields (such as those generated by motors, transformers or magnets).

vertically, in their original cases.

Main Unit 1. For safety, DO NOT

... warety, UU NOT ... open the camcorder's chassis.
disassemble or modify the unit.
disassemble or modify the unit.
away from metallic objects when not in use.
allow inflammables, water or metallic objects to enter the
unit.
remove the battlern part or and or metallic objects to enter the

unit.

remove the battery pack or disconnect the power supply while the power is on.

leave the battery pack attached when the camcorder is n in use.

Avoid a subject to touco
- in places subject to sood or steam such as neastove.

- in places subject to sood or steam such as neastove.

- in places subject to sood or steam such as neastove.

- near splanices goes generalist strong magnetic or elec
- near splanices generalist strong magnetic strong mag

periods. direct the eyepiece of the viewfinder at the sun. carry it by holding the viewfinder or the LCD monitor sure to hold the main unit with both hands or use to "Applicable models only, swing it excessively when using the shoulder strap LCD Monitor (for applicable models)

1. To prevent damage to the LCD monitor,
DO NOT...

push it strongly or apply any shocks.
place the camcorder with the LCD mo To prolong service life . . .
 avoid rubbing it with coarse cloth.

Be aware of the following phenomena for LCD moni-use. These are not malfunctions:

While using the camcorder, the surface around the LCD monitor and/or the back of the LCD monitor may heat up.

If you leave power on for a long time, the surface around

How To Handle a CD-ROM (for applicable

models)

*Take care not to soil or scratch the mirror surface (opposite to the primed surface). Do not write anything or put a sticket greatly support of the primed surface) and the surface and the surface of the sur

If malfunctioning occurs, stop using the unit im and consult your local JVC dealer.

For Your Maintenance

1. After Use

① Set the Power Switch to "OFF" to turn off the camoorder.

Open the LCD monitor* to an angle of over 60 degrees Slide EJECT to open the cassette holder, then remove the cassette

the cassette.

Glose and lock the cassette holder by pressing the Glose button.

Joec and lock the LCD monitor*.

Slide BATTERY RELEASE to remove the battery pack.

Attach the provided lens cap to the camcorder's lens.

Attach the provided lens cap to the concorder's lens.

| Satisch the provided lens cap to the camcorder's lens.

| Iteaning The Camcorder

| Wipe gently the exterior with a soft cloth. Put cloth in lint, there wise again with a dy cloth.

| Open the LCD monitor' and wipe it gently with a soft cloth as careful not to damage the monitor. Close the LCD monitor'.

Blow the lens with a blower brush, then wipe it gently with lens cleaning paper. Turn the eyepiece counterdockwise and pull it out. Permove dust from the viewfinder using a blower brush. Re-attach the eyepiece and turn it clockwise. Upplicable models only.

Avoid using strong cleaning agents such as benzine or alcohol. alcohol.

Cleaning should be done only after the battery pack has been removed or other power units have been disconnected whould may form if the lens is left dirly.

When using a cleaner or chemically treated cloth, refer to the caulions that came with it.

When removing the eyepiece, be sure to hold the viewlinde General Power source DC 11 V (Using AC Adapter) DC 6 V (Using battery pack)

Camcorder

4.0 W (GR-SXM58/SXM48/FXM38 only) 3.7 W (GR-SX24/FX14 only) 4.5 W (GR-SXM58/SXM48/FXM38 only) 3.0 W LCD me

m FM recording Converted sub-carrier direct

recording Conforms to VHS standard SWIST / WIST cassette : 23.39 mm/sec. : 11.70 mm/sec.

SP LP 0°C to 40°C 35% to 80% -20°C to 50°C

Approx. 910 g Dimensions (W x H x D)

(ĞİR-SXMSSİSXM48 only) Approx. 909 (GİR-FXMS8 only) Approx. 880 g. (GİR-SXL24 only) 200 mm x 112 mm x 118 mm (GİR-SXMSSİSXM48IFSXMS8 only) 200 mm x 112 mm x 115 mm (GİR-SXZ4/FX14 only) (With the LOD monitor' closed and with the viewfinder fully titled downward)

SPECIFICATIONS

White balance adjustment LCD monitor (Applicable m only) Speaker (Applicable m only)

Connectors

Audio

Battery Packs BN-V12U, BN-V20U, BN-V400U
Compact S-VHS (SVISI) Cassettes SE-C45/30
Compact VHS (WISI) Cassettes EC-60/45/30
Active Carrying Bag CB-V7U
Cassette Adapter C-P7U Some accessories are not available in some areas.
Please consult your nearest JVC dealer for details on accessories and their availability.

Digital : α3.5 mm, 4-pole, mini-neau μα (GR-SXM58 only)

Q-Video : Y : 1 V (p-p), 75 Ω, analogue αντουτ

AC Adapter

: AC 110 V — 240 V 50 Hz/60 Hz : DC 11 V — , 1 A

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

mm (high) - me-- (exhausted): Displays the battery remaining power level. As the battery power comes lose to nil, the battery indicator blinks (battery power warming). When the battery power is exhausted, power

rums or automaticasy.

1021 : Bilinks when no cassettie is loaded, or when the erase protection tab is not in the position that allows recording TAPE END. Appears when the tape ends during recording, playback or fast-forward.

LENS CAP: Appears for 5 seconds after power is turned on if the lens cap is attached.

LENS CAP. Appears for 5 seconds after power is turned on if the lens cap is attached.

@CONDENSATION OPERATION PAUSED PLEASE WITH These 2 warnings appear alternately every 3 second if condensation occurs. In this case, all functions except tape eject and power oriof are disabled. Remove the tape, in the suit of levil wholivoir removing the power apply), what is well minutels for the warnings to clear, and turn if on agin OHEAD CLEANING RECURRED USE CLEANING CASSETTE: These 2 warnings appear alternately every 3 varning remarks after cleaning, consult by oriented to the control of the c