COMPACT VHS CAMCORDER

GR-SXM58 GR-SXM48 **GR-FXM38** GR-SX24 GR-FX14



JVC

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"

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). Actiant the MENU Wheel **⊕** is existed to present the set of the mode he maintenance of the set of the mode.

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.

Battery Pack Blue Filter Fffort

Brighten The Image . Brighten The LCD Mo

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

Electronic Fog Filter Erase Protection Exposure Control

Fast-Forward Tape 5-Second Recording Mode

h Speed Shutter Mode

ual Focus

•

INDEX ording, Advanced Features ording, Start/Stop.....ording Format (S-VHS/S-V Retake Rewind The Tape ...

Tape Counter ... Tape Dubbing ... Tape Length Se Tele Macro Time Base Corr Time-Lapse Sho

oad A Tape

Wide Mode .. Wipe-In/Out .

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 ❶, then connect the Power Cord to the AC Adapter.

3) Plug the Power Cord into an AC outlet. The CHARGE lamp ❶ blinks to indicate charging

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

...pg. 8

.. pg. 19 .. pg. 20 .. pg. 23

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.

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



PROVIDED ACCESSORIES















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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. I) Perform steps 1) through 3) of "CHARGING THE BATTERY PACK."

2) Press REFRESH and 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 charged or not. Two colours are prov (red and black)—you choose which means charged and which means discharged.

USING AC POWER

•CD-ROM (GR-SXM58 only)

GETTING STARTED

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In order to maintain optimum performance of the carncorder, provided cables may be equipped with one or more core filter. If a cable has only one core filter, the end that is closest to the filter should be connected to the carncorder.

PRECAUTIONS

IMPORTANT

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

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

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

SVHSE VHSE

•

 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 Battery pack Viewfinder on LCD monitor on

purchase a new one.

Perform charging who were.

Perform charging and SPC_20PC to 25PC is the ideal temperature range for charging. If the environment is not could, charging may be into could, charging may be into the country of the charging may be into the country of the charging may be into the charging or discharging:

The following operation stops charging or discharging:

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

John March Scholler Spote Tournament Spo

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 exert into a AC outlet

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.

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.)

CAUTIONS

wobbly, and then plug the large power cord into an 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

SAFETY PRECAUTIONS

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.

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).

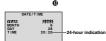
3) Rotate the MENU Wheel
10 to select ">TO SYSTEM MENU and press it to display SYSTEM MENU. Rotate the MENU Wheel
10 to select ">NEXT* and press it to display the next page.

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

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

• Thouse of the section of the sect





instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

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 closin elst, then east 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.

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.

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 corner.

The apparatus shall not be exposed to dripping or splashing.

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

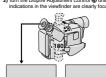
Grip Adjustment

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 (i) and Power Zoom Lever (ii).



/iewfinder Adjustm

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



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).



CAUTION

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.

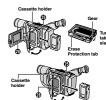
Loading/Unloading A Cassette

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 bath. Some control provided that the stilled has been expended to the provided that the stilled has been expended to the provided that the stilled has been expended to the provided that the provided that the camorder is in the record mode or detached from the power source.

• Applicable models only.

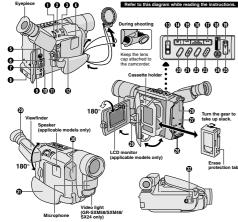


CONTROLS, CONNECTORS AND INDICATORS

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....pg. 24pg. 24



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

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.

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.

Note the cording.

₽ pg. 25 for Warning Indications 9

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. Some place the carrying cast may be carrying cast emains extremely the complete or conjects.

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-

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

6 S-Video Output Connectors [S]*

© 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

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.

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)

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

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

☑ Recording Indicator ... 🖙 pg. 12 ... 🖙 pg. 14 ... 🖙 pg. 15 P pg. 15
 P pg. 15
 P pg. 15
 P pg. 15
 P pg. 6
 P pg. 6 Audio Output Connector [A]
 Video Output Connector [V] 🎞 pg. 15 🖾 pg. 15 Video Output Conneco...
 Statery Release Switch
 BATTERY RELEASE
 DC IN Connector
 Digital Connector [DIGITAL]** Digital Connector [DIGITAL]**
 Recording Start/Stop Button......
 Power Switch [PM] OFF, M, M]...... Bright Level Indicator
 Instant Title Display ...
 Date/Time Display 🖙 pg. 13 B Focus Indicator Exposure Control Level Counte
 White Balance Mode Indicator.
 S-VHS/S-VHS ET Recording
 Indicator*2 Record-Standby Mode Indicator

Cassette Indicator

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

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

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.

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

TBC [Time Base Corrector)
Removes litter from fluctularity video signals to deliver a stable picture even with old tapes. Proceedings of the picture seven with old tapes. To activate freezies the TBC mode, press TBC © during playback for more than 1 second. When the TBC mode is activated, "TBC [Iff is displayed." TTBC indicator [Iff urms green (grey with a cancorder equipped with a blackwhite viewfinder) while TBC is working, and white while TBC is not operativating SIM Playback and STMETCH are not SIM Playback and STMETCH are not solved in the picture in distorted when TBC is not operate working.

11 may take a few seconds before TBC actually starts working.

12 he picture may be distorted if the TBC mode is activated or deactivated at the edit-in-four points or when normal playback resumes after SIM Playback or Shuttle Search (€" pg. 11).

Counter Memory

RECORDING

. □ r pg. 11

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

(₹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 in the lower than the lcD monitor in the lcD monitor

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

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 VV/CR has a 21-pin connector, use a commercially available

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

PLAYBACK

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

Cassette¹).

2 Set the Power Switch ® to "ŒŒ". To start playhack; press № 10 €.

10 stop playhack temporarily (Still Playhack), press № 10 €.

11 © To thop playhack; press ■ © Press № 6

10 © To think on № 10 to task-howard the laps.

High-speed picture search (Shuttle Search) is possible by pressing ≪ 60 or № 60 during playhack (holding ≪ 60 or № 60 down during playback combines search until released). To resume normal playback, press № 11 ©.

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

For VIDER RECORDING/VIDEO PLAYBACK

The camcorder shuts off automatically after about
5 minutes in the Record Sandyo' of Sice mode.

The camcorder shuts off automatically after about
5 minutes in the Record Sandyo' of Sice mode.

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

"60" and the LCD monitor' is opened at an
angle of 80 degrees or more, the LCD monitor'
switches on and the viewfinder switches off
automatically to save power.

Set to "10" "10" or "10" or "10" or

"10" and the LCD monitor' shut), on the
LCD monitor on a connected VI (4" pp. 91. S).

Connections To A TV/CRT).

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

OSD OUTPUT in SYSTEM MENU.

1 TI TBC (2" pp. 14) is engaged during Still
Playback, noise bars will not appear (GR-SXM58/
SXM48/SX24 only).

Applicable models only.

SNASH CRAURIS Snapshot (GR-SXMA8/SXMA8/SXZ4 only) You can record still images that book like photographs onto a tape. 1) Perform step 1 of "RECORDING" (□ Pg. 11). 2) Press SNASP-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

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

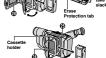
used.

*This function cannot be activated during the

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

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

Fflerte")



5Sec. Rec (5-sec. Recording)

scene transitions like those seen in TV programmes.

1) Make sure the recording mode is set to "SP".
2) During Record-Standby, press SSEC. REC @

15 SIII appears and SSec. Rec is reserved.
3) Press the Recording Stant's by Detromorphic Standby mode automatically.
2) To cancel the SSec. Rec. function, press SSEC. REC @

16 Standby mode automatically.
2) To cancel the SSec. Rec. function, press SSEC. REC @

17 Standby mode automatically.
21 Standby mode automatically.
31 To cancel the SSec. Rec. function, press SSEC. REC @

18 Judgment SSEC. REC @

19 Judgment SSEC. REC @

10 Judgment SSEC.

snake.

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

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 transport of the cassettes in the VCRs AUX and Record*-Parise modes.

AUX and Record mod

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. mode.
4) Engage the VCR's Record-Pause mode and press */II 13.
Repeat steps 2) through 4) for additional editing, then stop the VCR and camcorder when finished.

Tape Dubbing

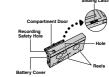
Using The Cassette Adapter

cover.

2 Side 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) Side the latch and the compartment door opens automatically This 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.



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

Interest of the control of the contr

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.

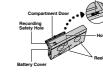
- Use the AC Adapter as the power supply.

When connecting to a Macinitosh...

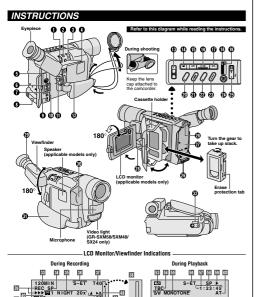
The optional KEYSPAN USA-19 USB PDA Adapter is required.

- Walachinosh is a repistered trademark of Apple

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



(D) D



(I) INT. TIME

☐ pg. 25 for Warning Indications .

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.

MENU SETTINGS

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

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 The TO

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

to the MENU Wheel

to 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 N.W.S. AUTO N.W.S. MAX

OATE/TIME DISP.

DATE/TIME DISP.

▶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

FOCUS

If correct focus cannot be obtained with AUTO

FOCUS, set to MANU to use manual focusing.

A. appears.

To focus on a farther subject, rotate the MENU

Wheel ⊕ upward. * appears and blinks.

Wheel ⊕ outpward. * appears and blinks.

*Wheel ⊕ downward. * * appears and blinks.

*If the lens is smeared or burred, accurate focusing is not possible.

*When shooting a subject close to the lens, zoom out first (£p² g. 31). *Zooming?). If zoomed in in the auto focus mode, the camcorder could automatically zoom out depending on the distance between the camcorder and the subject.

*Early g. 21) in SYSTEM MENU.

*Be sure to focus the lens in the maximum telephoto position when you use the Manual Focus mode. If you focus in on a certain subject in the wide-angle position, sharply focused images cannot be obtained when zoomed in because the depth-of-field is reduced at longer focal lengths.

*When the focus level cannot be adjusted any further or closes, *A* or *A* will blink.

*EXPOSURE**

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.

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. CLOUD : Outdoors on a cloudy day.

5. Valeo light on similar type of surner.

MWB: White balance and the surner day of the company of the company of the surner.

MWB: White balance and the surner day of the surner

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

TITLE

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.

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

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.

Digital Effects

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

To cancel the effect, press DiGIFECT ♠ repeatedly until "OFF" appears.

This function cannot be activated during Night-Scope (I" Pg. 23).

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

like old photos. Combine this with WIDE in SYSTEM MENU for a classic look.

☐ R. FILTER: Recorded scenes have a reddish
field.

MOSAIC: Turns recorded scenes into a mosaid

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.

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.

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.

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.

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

MENU 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.

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 camorder, 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.

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 12 second 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 "OFF" appears.

■ During Night-Scope, the following cannot be activated. "Picture Stabiliser," Programme AE With Special Effects". "Digital Effects" and "SLX" in CAMEETA MEMU (or "20". 19".

■ OAMETA MEMU (or "20". 19".

■ 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.

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 ⊕

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.

Ex FADER: Fades in/out to a black screen

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

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 Night-Scope (pp. 23). ★ SPORTS: High shutter speed clearly captures fast-moving action.

General

Power source

LCD me

SP LP

Dimensions (W x H x D)

SEPIA: Recorded scenes have a brownish tini

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.

SOLARI: The picture is recorded with an effect

STRETCH: Doubles the width of the picture

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.

TROUBLESHOOTING

Before consulting your JVC dealer, please check the following

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.

• 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

Warning Indications

ing to see if you can correct the problem yourself

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 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.

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.

. To avoid hazard . . .

Battery Packs

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

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.

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.

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. 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.

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.

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

CAUTIONS

Cassettes
To properly use and store your cassettes, be sure to re following cautions:

Icollowing cautions:

During use .

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

The aware that recording onto presecorded tapes automatically erreacte the previously recorded video and audio signals.

make sure the assette is positioned properly when inserting.

do not load and unload the cassette

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

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.

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 analysis.

How To Handle a CD-ROM (for applicable

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

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 generalist strong magnetic or election of the subject to section strong magnetic or elec
- strong places generalist strong magnetic str

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.

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.

Iteaning The Camcorder

Weep engity the exterior with a soft cloth. Put cloth is indicated mist capen and wring it well to wipe of the eavy in the way the again with a dy cloth.

Open the LCD monitor' and wipe it gently with a soft cloth and the 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.

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

Avoid using strong cleaning agents such as benzine or alcohol.

78. SPORTS: High shutter speed clearly captures fast-moving active.
ND: ND EFFECT: A black mist darken she 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: 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.
FGF 17. The picture of the lens.
SCH 18. The lens of the lens.
ST 18. The look in the little most of the mode.
SLX and ALITO FOCUS in CAMERA MENU.
(IZP pp. 18. 19) may not work.
SY 512000 (12000 see. High Speed Shutter):
Captures laster action than Sports mode. The screen becomes slightly dark. Use in well-lit situations.

similar to a painting.

NEGA POSI: The colours of a picture are

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

: Auto/Manual adjustmer

SPECIFICATIONS Camcorder

> DC 11 V (Using AC Adapter) DC 6 V (Using battery pack) White balance adjustment LCD monitor (Applicable m only) Speaker (Applicable m only) 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

Connectors

: 1 V (p-p), 75 Ω unbalanced, analogue output (via Video output connector): 300 mV (ms), 1 kΩ analogue output (via Audio output connector): s3.5 mm, 4-pole, mini-head jack Audio

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

Some accessories are not available in some areas.
Please consult your nearest JVC dealer for details on accessories and their availability.

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

m FM recording Converted sub-carrier direct

recording Conforms to VHS standard SWIST / WIST cassette

: 23.39 mm/sec. : 11.70 mm/sec.

0°C to 40°C 35% to 80% -20°C to 50°C

Approx. 910 g

(ĞİR-SXMSSİSXM48 only)
Approx. 901 (GİR-FXMS8 only)
Approx. 880 g. (GİR-SXX24 only)
Approx. 880 g. (GİR-SXX24 only)
200 mm x 112 mm x 118 mm (GİR-SXM58SİSXM48IFSXM58SİSM19)
200 mm x 112 mm x 115 mm (GİR-SX24/FX14 only)
(With the LOD monitor' closed and with the viewfinder fully titled downward)

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