JVC®

ENGLISH

VIDEO CASSETTE RECORDER

HR-S5800AM
HR-S5880AM

G-CODE™ / SHOWVIEW™

Hi-Fi S VHS 525/625 Super VHS ET

INSTRUCTIONS

CONTENTS

EN

LPT0598-001A

Safety Precautions

The rating plate and the safety caution are on the rear of the unit.

WARNING: **DANGEROUS VOLTAGE INSIDE**
WARNING: **TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**

CAUTION
- When you are not using the recorder for a long period of time, it is recommended that you disconnect the power cord from the mains outlet.
- Dangerous voltage inside. Refer internal servicing to qualified service personnel. To prevent electric shock or fire hazard, remove the power cord from the mains outlet prior to connecting or disconnecting any signal lead or aerial.

ATTENTION
1. This recorder can also receive SECAM colour television signals for recording and playback.
2. Recordings made of SECAM television signals produce monochrome pictures if played back on another video recorder of SECAM standard, or do not produce normal colour pictures if played back on another video recorder of PAL standard.
3. SECAM prerecorded cassettes or recordings made with a SECAM video recorder produce monochrome pictures when played back with this recorder.

IMPORTANT

- Please read the various precautions on this page before installing or operating the recorder.
- It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, or artistic work embodied therein.

Caution on Replaceable lithium battery
The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not recharge, disassemble, heat above 100°C or incinerate.
Replace battery with Panasonic (Matsushita Electric), Sanyo, Sony or Maxell CR2025. Danger of explosion or Risk of fire if the battery is incorrectly replaced.
- Dispose of used battery promptly.
- Keep away from children.
- Do not disassemble and do not dispose of in fire.

S VHS 525/625   **G-CODE™ / SHOWVIEW™**

- Cassettes marked "S-VHS" and "VHS" can be used with this video cassette recorder. However, S-VHS recordings are possible only with cassettes marked "S-VHS".
  By using S-VHS ET it is possible to record and play back with S-VHS picture quality on VHS cassettes with this recorder.
- HQ VHS is compatible with existing VHS equipment.
- G-CODE is a trademark of Gemstar Development Corporation and is registered in the following countries: Australia, China, Hong Kong, Japan, South Korea, New Zealand, and Taiwan. SHOWVIEW is a trademark of Gemstar Development Corporation and is registered in the following countries: Austria, Belgium,Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Russia, Slovakia, South Africa, Spain, Sweden and Switzerland. The G-CODE/SHOWVIEW system is manufactured under license from Gemstar Development Corporation.
  G-CODE and SHOWVIEW are different trademarks used to represent the same easy recording feature. However, for simplicity, only the term G-CODE will be used in the instructions. If you use SHOWVIEW system, follow the same steps listed for the G-CODE system.

POWER SYSTEM
This set operates on voltage of AC110 – 240 V∿ (Rating), AC90 – 260 V∿ (Operating), 50/60 Hz with automatic switching.

The STANDBY/ON ⏻/I button does not completely shut off mains power from the unit, but switches operating current on and off. " ⏻ " shows electrical power standby and " I " shows ON.

Video tapes recorded with this video recorder in the LP (Long Play) or EP (Extended Play) mode cannot be played back on a single-speed video recorder.

When the equipment is installed in a cabinet or 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).

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

Failure to heed the following precautions may result in damage to the recorder, remote control or video cassette.

1. DO NOT place the recorder ...
    ...   in an environment prone to extreme temperatures or humidity.
    ...   in direct sunlight.
    ...   in a dusty environment.
    ...   in an environment where strong magnetic fields are generated.
    ...   on a surface that is unstable or subject to vibration.
2. DO NOT block the recorder's ventilation openings or holes.
   (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
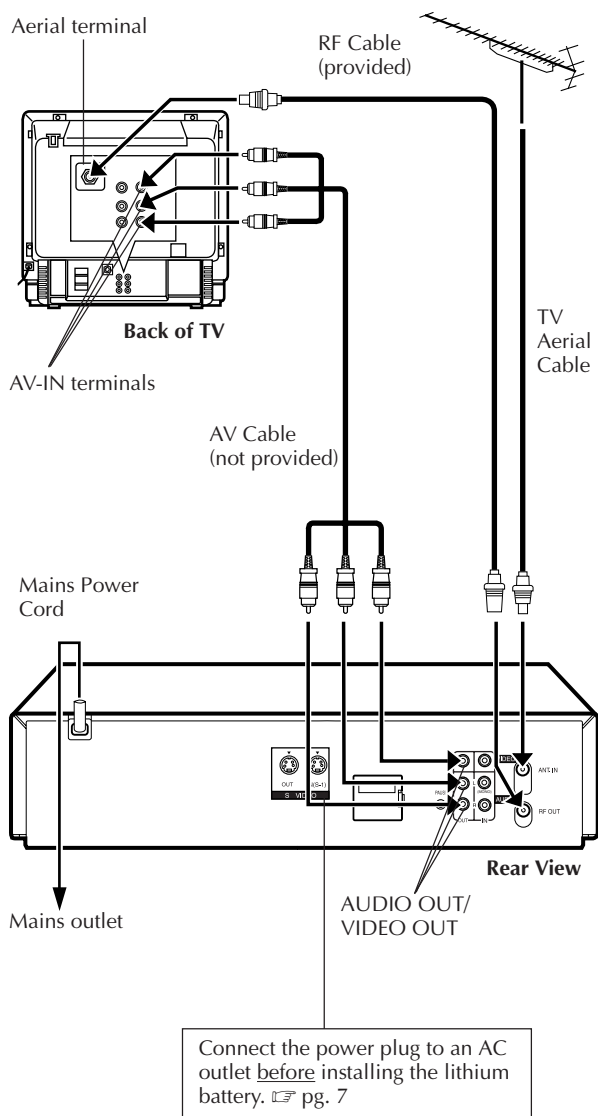**3. DO NOT place heavy objects on the recorder or remote control.**
4. DO NOT place anything which might spill on top of the recorder or remote control.
   (If water or liquid is allowed to enter this equipment, fire or electric shock may be caused.)
5. DO NOT expose the apparatus to dripping or splashing.
6. DO NOT use this equipment in a bathroom 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.
7. DO NOT place any naked flame sources, such as lighted candles, on the apparatus.
8. AVOID violent shocks to the recorder during transport.

MOISTURE CONDENSATION
Moisture in the air will condense on the recorder when you move it from a cold place to a warm place, or under extremely humid conditions—just as water droplets form in the surface of a glass filled with cold liquid. Moisture condensation on the head drum will cause damage to the tape. In conditions where condensation may occur, keep the recorder turned on for a few hours to let the moisture dry.

Basic Connections

Aerial terminal

RF Cable (provided)

Back of TV

AV-IN terminals

AV Cable (not provided)

TV Aerial Cable

Mains Power Cord

Rear View

Mains outlet

AUDIO OUT/ VIDEO OUT

> Connect the power plug to an AC outlet <u>before</u> installing the lithium battery. ☞ pg. 7

It's essential that your video recorder be properly connected. Follow these steps carefully. THESE STEPS MUST BE COMPLETED BEFORE ANY VIDEO OPERATION CAN BE PERFORMED.

1 CHECK CONTENTS

Make sure the package contains all of the accessories listed in "SPECIFICATIONS" (☞ pg. 65).

2 SITUATE RECORDER

Place the recorder on a stable, horizontal surface.

3 CONNECT RECORDER TO TV

The connection method you use depends on the type of TV you have.

RF CONNECTION
● *To Connect To A TV With NO AV Input Terminals . . .*
  a– Disconnect the TV aerial cable from the TV.
  b– Connect the TV aerial cable to the ANT. IN jack on the rear panel of the recorder.
  c– Connect the provided RF cable between the RF OUT jack on the rear panel of the recorder and the TV's aerial terminal.

AV CONNECTION
● *To Connect To A TV With AV Input Terminals . . .*
  a– Connect the aerial, recorder and TV as per "RF CONNECTION".
  b– Connect an optional AV cable between the AUDIO OUT and VIDEO OUT connectors on the rear panel of the recorder and the TV's AV-IN terminals .

4 CONNECT RECORDER TO MAINS

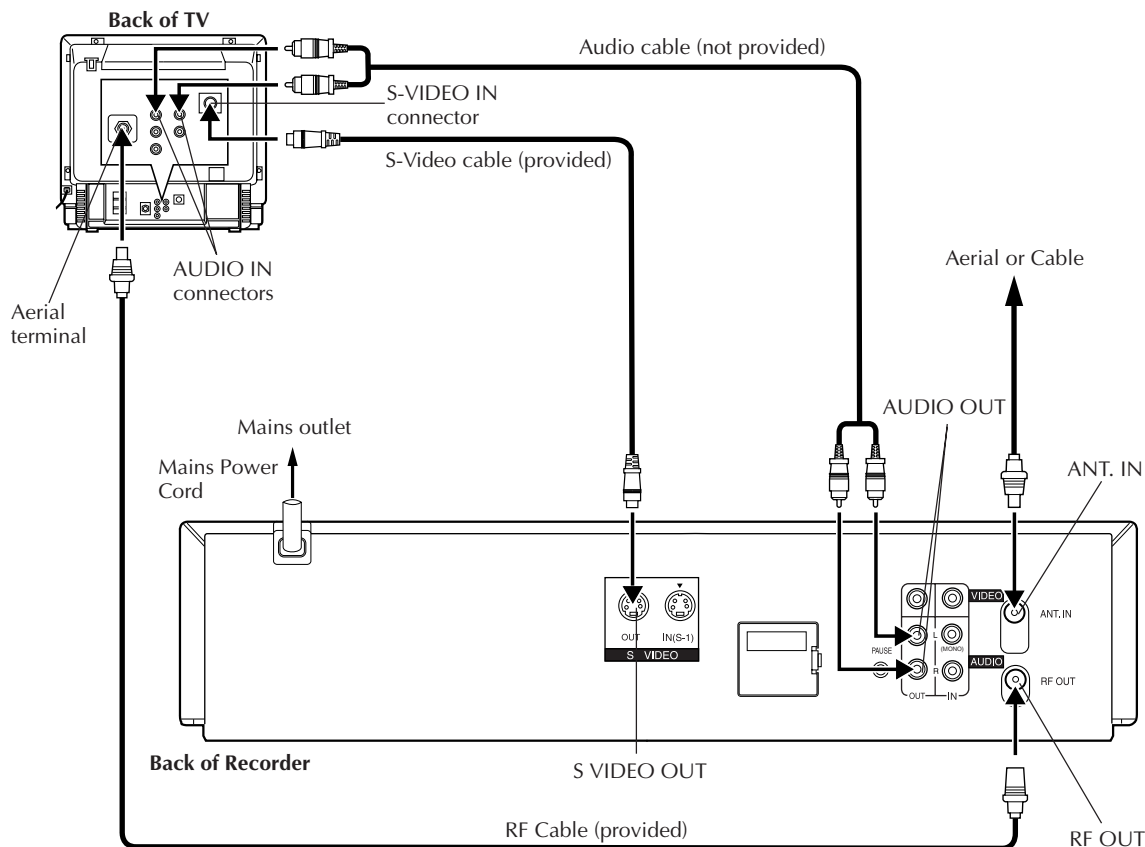Plug the end of the mains power cord into a mains outlet.

NOTE:

Use the conversion plug (not provided in certain areas) depending on the type of your AC wall outlet.

ATTENTION
If you have finished all the necessary connections, go to "Video Channel Set" on page 6, then perform Auto Set Up on page 8; do NOT press the ⏻/I button on the recorder/remote control to turn on the recorder's power before you start Auto Set Up.

S-VIDEO Connection

Back of TV

Audio cable (not provided)

S-VIDEO IN connector

S-Video cable (provided)

Aerial or Cable

AUDIO IN connectors

Aerial terminal

AUDIO OUT

Mains outlet

Mains Power Cord

ANT. IN

OUT   IN(S-1)

S VIDEO

VIDEO

ANT.IN

PAUSE

L (MONO)

AUDIO

RF OUT

R

OUT — IN

Back of Recorder

S VIDEO OUT

RF Cable (provided)

RF OUT

● *To Connect to A TV With S-VIDEO/AUDIO IN Connectors . . .*

1 CONNECT RECORDER TO TV

a– Connect the aerial, recorder and TV as per "RF CONNECTION" (☞ pg. 4).
b– Connect the recorder's S VIDEO OUT connector to the TV's S-VIDEO IN connector.
c– Connect the recorder's AUDIO OUT connectors to the TV's AUDIO IN connectors.

2 CONNECT RECORDER TO MAINS

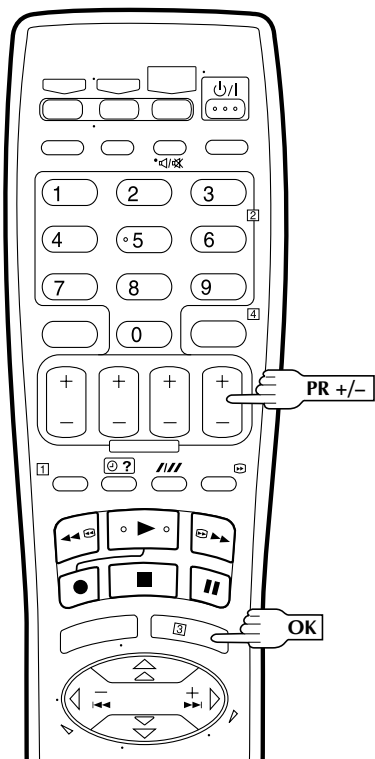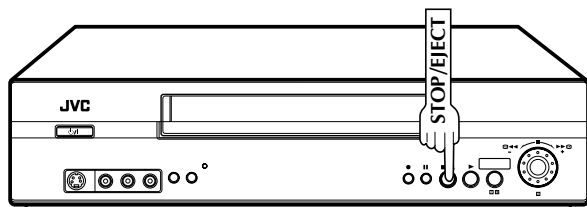Plug the end of the mains power cord into a mains outlet.

NOTES:
● *You can obtain high-quality S-VHS pictures.*
● *If your television is not stereo-capable, use the recorder's AUDIO OUT connectors to connect to an audio amplifier for Hi-Fi stereo sound reproduction. (☞ pg. 46)*
● *To operate the recorder with your TV using the S-VIDEO connection, set your TV to the VIDEO (or AV mode).*
● *For switching the TV's mode, refer to the instruction manual of your television.*
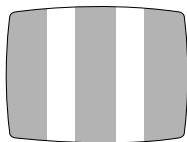
ATTENTION

If you have finished all the necessary connections, go to "Video Channel Set" on page 6, then perform Auto Set Up on page 8; do NOT press the ⏻/I button on the recorder/remote control to turn on the recorder's power before you start Auto Set Up.

Video Channel Set

Video Channel (RF Output Channel) is the channel on which your TV receives picture and sound signals from the video recorder through the RF cable.

If you have connected the video recorder to your TV via the provided RF cable only (RF connection) – Go to "With RF Connection" below.

If you have connected the video recorder to your TV via both the provided RF cable and an AV cable (AV connection), or via the provided RF cable, the provided S-Video cable and an audio cable (S-VIDEO connection) – Go to "With AV Connection or S-VIDEO Connection" on next page.
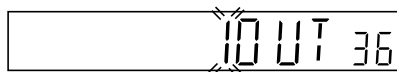
With RF Connection

IMPORTANT:

Before performing the following steps, make sure the recorder's power is off and there is no cassette inserted in the recorder.

1 ACCESS VIDEO CHANNEL SET MODE

Hold down **STOP/EJECT** on the recorder until the display panel shows the following.

| 1 0 U T   3 6 |

2 SELECT TV SYSTEM

Press **PR +/–** to set appropriate TV system that matches the system of TV being used (refer to the table below).

| 2 0 U T   3 6 |

1 : B/G   2 : D/K   3 : I   4 : H   5 : M*

Major Countries	TV System
New Zealand, Kuwait, U.A.E., Indonesia, Singapore, Thailand, Malaysia, Iran, Saudi Arabia, Egypt, Morocco, Lebanon, Iraq	B/G
China, Mongolia, Russia	D/K
Hong Kong	I
Australia	H
U.S.A., Japan, S.Korea, Taiwan	M*

*HR-S5800AM only

PR +/–

OK

TEST SIGNAL

The channel on which the screen to the left appear clearly in step **3** is your Video Channel.

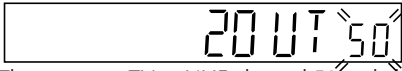**To view picture signals from the video recorder, set your TV to the Video Channel.**

3

SET VIDEO CHANNEL

Set your TV to UHF channel 36.

● If the two vertical white bars appear clearly on the screen as shown in the illustration (☞ "TEST SIGNAL" on page 6), press **OK** and then go to step **4**.
● If the two vertical white bars do not appear clearly, press **OK** and then **PR +/–** to set the video recorder to a vacant channel between 28 and 60 which is not occupied by any local station in your area.

(Ex.) If channel 50 is available in your area

    20 UT 50

Then set your TV to UHF channel 50 and check if the two vertical white bars appear clearly on the screen; if so, go to step **4**. If not, re-set the video recorder to another vacant channel and try again.

NOTES:

● *If you set the video recorder to a channel which is occupied by a local station or has neighbouring channels that are occupied by local stations, the picture reception quality will be affected and some interference noise will appear on the TV screen. Be sure to select a vacant channel which has no broadcast on neighbouring channels.*
● *If you cannot obtain the two vertical white bars clearly with any channel between 28 and 60, consult your JVC dealer.*

4

FINISH VIDEO CHANNEL SET

Press **OK**.

● **If Auto Set Up (☞ pg. 8) or Tuner Set (☞ pg. 54) has not previously been performed, the Language Select screen appears and Auto Set Up function takes place automatically.**

With AV Connection or S-VIDEO Connection

IMPORTANT:

Before performing the following steps, make sure the recorder's power is off and there is no cassette inserted in the recorder.
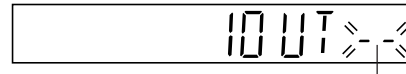
1

ACCESS VIDEO CHANNEL SET MODE

Hold down **STOP/EJECT** on the recorder until the display panel shows the following.

    10 UT 36

2

SET VIDEO CHANNEL

Press **OK**, then press **PR –** until the display panel shows the following.

    10 UT --

Now the video channel is set to off (– –).

3

FINISH VIDEO CHANNEL SET

Press **OK**.

● **If Auto Set Up (☞ pg. 8) or Tuner Set (☞ pg. 54) has not previously been performed, the Language Select screen appears and Auto Set Up function takes place automatically.**

To view picture signals from the video recorder, set your TV to its AV mode.

• •

Be sure to connect the power plug to an AC outlet first before installing the lithium battery; otherwise, the battery's service life will be drastically shortened.
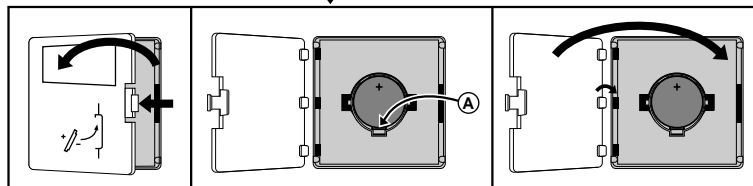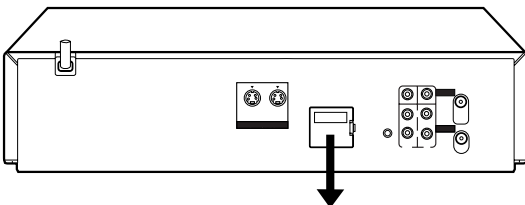
Installing/Removing the lithium battery

1. Make sure that the power plug is connected to an AC outlet and turn off the recorder power.
2. Open the battery cover while pressing the release tab as illustrated.
3. Insert a lithium battery with the plus (+) side up and push it in.
   ● To remove the lithium battery, press the latch Ⓐ downward using a pointed non-metallic object, then pull out the lithium battery.
4. Close the battery cover until it clicks in place.

Auto Set Up

IMPORTANT

- Don't press any buttons on the recorder or remote that are not directly related to the step you are performing while Auto Set Up is in progress.
- If you perform Auto Set Up successfully during installation, there's no need to separately perform the Language Select, Clock Set or Channel Set procedures, but if adjustments become necessary they can be performed as follows:
  – To change the selected language ☞ pg. 11
  – To reset or adjust the time ☞ pg. 12
  – To add/delete channels manually ☞ pg. 55, 56
  – To reset the tuner after moving to a different location ☞ pg. 54
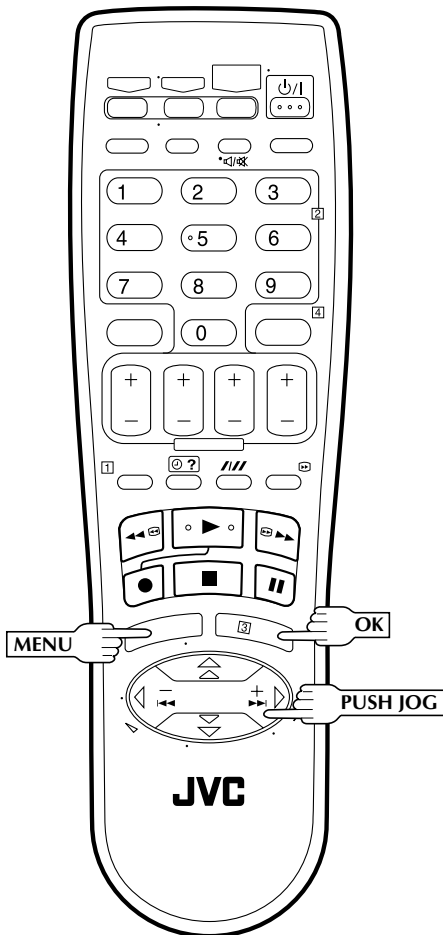
The Auto Set Up function simplifies installation by guiding you through the procedures of setting the language, clock and tuner channels — simply follow the on-screen menus that appear.

Before starting, make sure of the following:
- The TV aerial cable should be connected to the recorder.
- The recorder's mains power cord should be connected to a mains outlet. ☞ pg. 4, 5
- <u>The "Video Channel Set" procedure should be done first</u> and the TV should be set to its AV mode (with AV or S-VIDEO connection ☞ pg. 7) or video channel (with RF connection ☞ pg. 6).
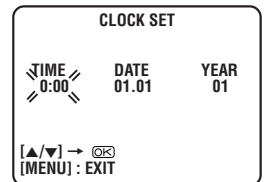
1 SELECT LANGUAGE

Press **PUSH JOG** △▽ to place the pointer next to your desired language (English or Chinese), then press **OK** or **PUSH JOG** ▷.

- The Clock Set screen appears.

2 SET TIME

Press **PUSH JOG** △▽ to set the time, then press **OK** or **PUSH JOG** ▷.

- Press and hold either button to delay or advance the time by 30 minutes.

```
            CLOCK SET

  ╲TIME╱        DATE       YEAR
  ╱0:00╲        01.01       01

  [▲/▼] → ◯ᴋ
  [MENU] : EXIT
```

3 SET DATE

Press **PUSH JOG** △▽ to set the date, then press **OK** or **PUSH JOG** ▷.

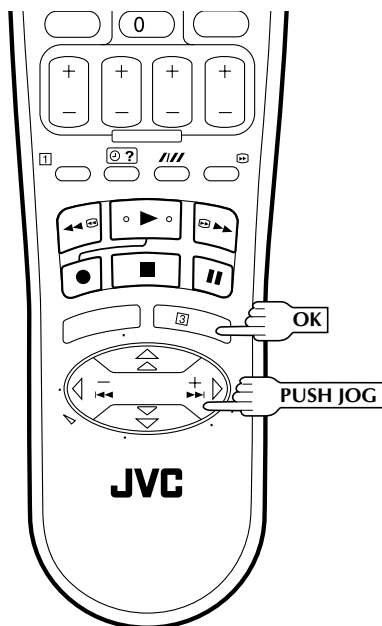- Press and hold either button to change the date by 15 days.

4 SET YEAR

Press **PUSH JOG** △▽ to set the year, then press **MENU**.

Major Countries	TV System
Australia, New Zealand, Kuwait, U.A.E., Indonesia, Singapore, Thailand, Malaysia, Iran, Saudi Arabia, Egypt, Morocco, Lebanon, Iraq	B/G
China, Mongolia, Russia	D/K
Hong Kong	I
U.S.A., Japan, S.Korea, Taiwan	M*

*HR-S5800AM only.

5 SELECT TV SYSTEM

Press **PUSH JOG** △▽ to place the pointer next to the appropriate TV system (refer to the table on the left).

6 START AUTO CHANNEL SET

Press **OK** or **PUSH JOG** ▷.

- The Auto Set Up function scans all the channels that are receivable by your recorder. It then automatically assigns each receivable channels to the **PR +/–** buttons. It skips non-receivable channels.
- As Auto Set Up progresses, the " ■ " mark on the screen moves from left to right. (See below.)

OK

PUSH JOG

JVC

DO NOT press any button on the recorder or remote control while Auto Set Up is in progress.

AUTO CH SET

PLEASE WAIT

START   FINISH

■■■■■■■■■------------
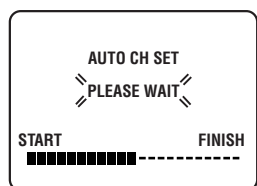
During Auto Set Up
"PLEASE WAIT" blinks on the screen and "Auto" blinks on the front display panel.
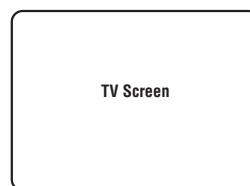
TV Screen

When Auto Set Up is completed, the lowest position number will appear on the front display panel.

NOTES:

- If you perform Auto Set Up when the aerial cable is not connected properly, "SCAN COMPLETED -NO SIGNAL-" appears on the screen. When this happens, make sure of the aerial connection and press **OK**; Auto Set Up will take place again.
- If there is a power cut, or if you press ⏻/l or **MENU** while Auto Set Up is in progress, Auto Set Up will be interrupted; be sure to turn off the recorder power once and try again.
- If you want to set the tuner manually such as to add or skip channels, to swap channel positions, or to fine-tune channels, ☞ pg. 55 – 57.
- If no sound accompanies the picture or the audio sounds unnatural on some channels that have been stored by Auto Set Up, the TV system setting for those channels may be incorrect. Select the appropriate TV system for those channels. ☞ "TV System Selection – When you see the picture but the audio can't be heard or sounds unnatural" on page 57.

On-Screen Displays

Turn on the TV and select the VIDEO channel (or AV mode).
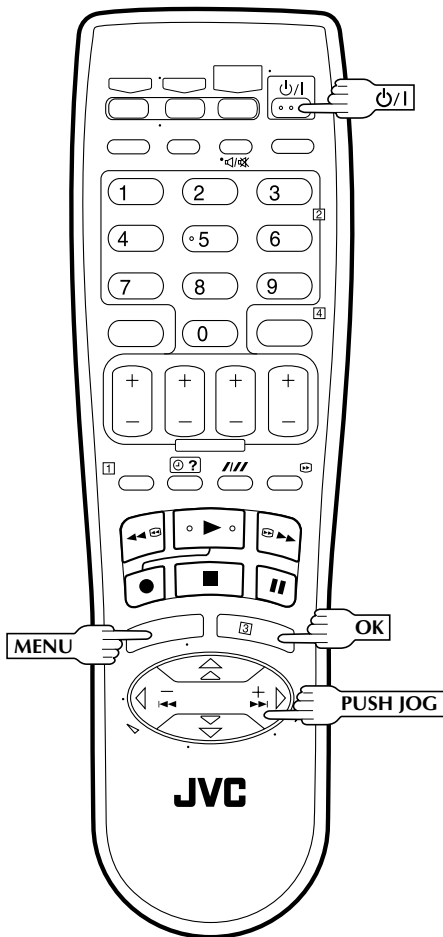
You can choose whether or not to have various operational indicators appear on screen, by setting this function ON or OFF.

1 TURN ON THE RECORDER

Press ⏻/|.

2 ACCESS MAIN MENU SCREEN

Press **MENU**.

3 ACCESS FUNCTION SET SCREEN

Place the pointer next to "FUNCTION SET" by pressing **PUSH JOG** △▽, then press **OK** or **PUSH JOG** ▷.

4 ENABLE/DISABLE ON-SCREEN DISPLAY

The default setting is "ON", so if you want on-screen displays, leave the setting as it is and go to step **5**. If you don't want the displays to appear, press **PUSH JOG** △▽ to place the pointer next to "O.S.D." and press **OK** or **PUSH JOG** ▷ to set to "OFF".

```
         FUNCTION SET
 B. E. S. T.              ON
 PICTURE CONTROL        AUTO
 PAL/MESECAM            AUTO
 NTSC              NTSC3. 58
 AUTO TIMER             OFF
☞O.S.D.                 OFF
  NEXT PAGE
 [▲/▼] → ⏎
 [MENU] : EXIT
```

5 RETURN TO NORMAL SCREEN

Press **MENU**.

NOTES:

● *When you use this recorder as the player for editing, be sure to set "O.S.D." to "OFF" before starting.*
● *During playback, the operation mode indicators may be disturbed depending on the type of tape being used.*

The superimposed indication on the TV screen tells you what the recorder is doing.
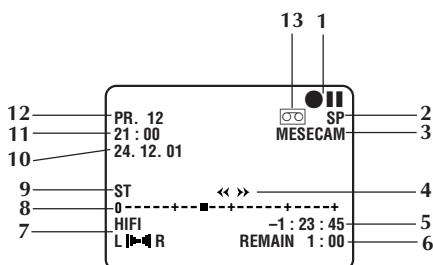
1 – Operation mode indicators
2 – Tape speed SP/LP/EP
3 – Colour system indicator (☞ pg. 52)
4 – Tape direction
5 – Counter display
6 – Tape remaining time indicator
7 – Audio mode display (☞ pg. 18)
8 – Tape position indicator (☞ pg. 18)
9 – Type of Broadcast (☞ pg. 21)
10 – Current day/month/year
11 – Clock display
12 – Channel position number/Aux. indicator (L-1, F-1, S-1 or S-2)
13 – Cassette loaded mark

Select Language

Turn on the TV and select the VIDEO channel (or AV mode).
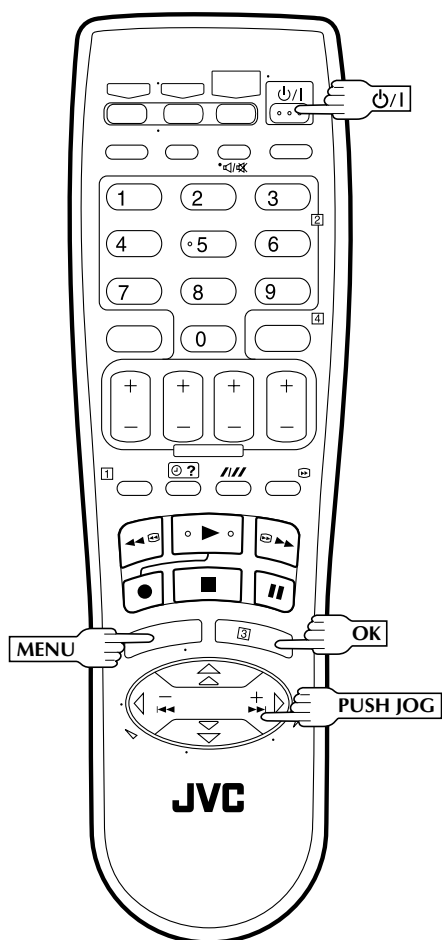
1

TURN ON THE RECORDER

Press ⏻/I.

2

ACCESS MAIN MENU SCREEN

Press **MENU**.

3

ACCESS INITIAL SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "INITIAL SET", then press **OK** or **PUSH JOG** ▷.

```
            MAIN MENU

     PROGRAMME NAVIGATION
     FUNCTION SET
     TUNER SET
   ☞ INITIAL SET


   [▲/▼] → OK
   [MENU] : EXIT
```

4

ACCESS LANGUAGE SELECT SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "LANGUAGE", then press **OK** or **PUSH JOG** ▷.

```
            INITIAL SET

     CLOCK SET
   ☞ LANGUAGE
     G-CODE/SHOWVIEW SETUP


   [▲/▼] → OK
   [MENU] : EXIT
```

5

SELECT LANGUAGE

Place the pointer next to the language of your choice (English or Chinese) by pressing **PUSH JOG** △▽, then press **OK** or **PUSH JOG** ▷.

6

RETURN TO NORMAL SCREEN

Press **MENU**.

MENU

OK

PUSH JOG

⏻/I

JVC

Clock Set

Turn on the TV and select the VIDEO channel (or AV mode).

MENU
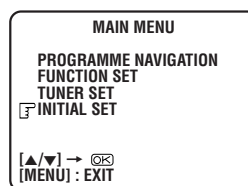
OK

PUSH JOG

JVC

1

TURN ON THE RECORDER
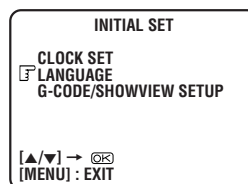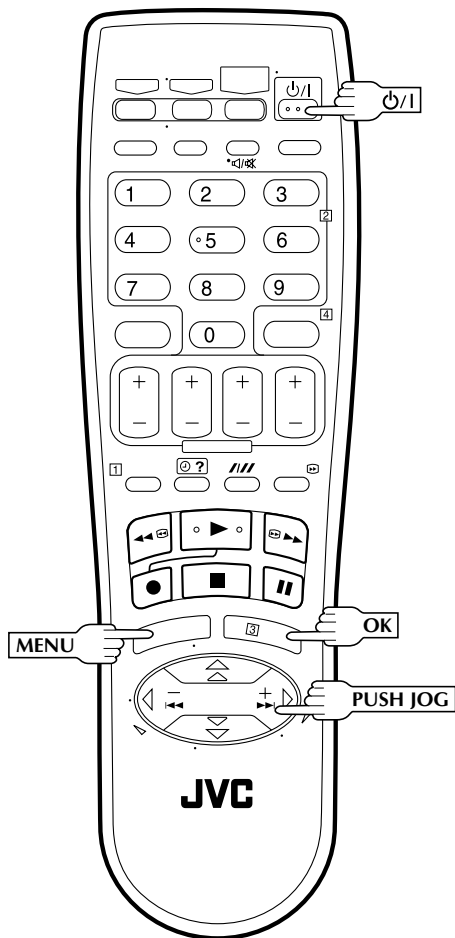
Press ⏻/I.

2

ACCESS MAIN MENU SCREEN

Press **MENU**.

3

ACCESS INITIAL SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "INITIAL SET", then press **OK** or **PUSH JOG** ▷.

```
            MAIN MENU

      PROGRAMME NAVIGATION
      FUNCTION SET
      TUNER SET
    ☞ INITIAL SET


    [▲/▼] → ⦿K
    [MENU] : EXIT
```

4

ACCESS CLOCK SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "CLOCK SET", then press **OK** or **PUSH JOG** ▷. The Clock Set screen appears.

```
      INITIAL SET

    ☞ CLOCK SET
      LANGUAGE
      G-CODE/SHOWVIEW SETUP


    [▲/▼] → ⦿K
    [MENU] : EXIT
```

```
          CLOCK SET

    TIME      DATE      YEAR
    0: 00    01 . 01    01


    [▲/▼] → ⦿K
    [MENU] : EXIT
```

5

SET TIME

Press **PUSH JOG** △▽ to set the time, then press **OK** or **PUSH JOG** ▷.

● Press and hold either button to delay or advance the time by 30 minutes.

6

SET DATE

Press **PUSH JOG** △▽ to set the date, then press **OK** or **PUSH JOG** ▷.

● Press and hold either button to change the date by 15 days.

7

SET YEAR

Press **PUSH JOG** △▽ to set the year.

8

START CLOCK OPERATION

Press **MENU**.

NOTE:

If the year digits are automatically cleared, it is possible that you have input February 29th in a non-leap year. Input the correct data.

Basic Playback

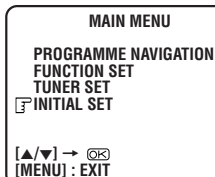Turn on the TV and select the VIDEO channel (or AV mode).

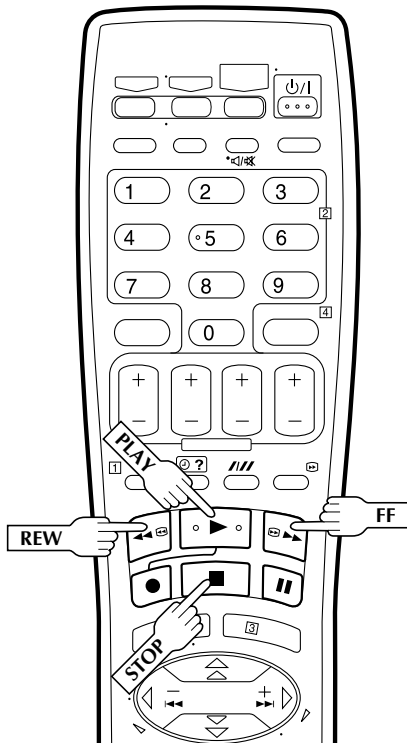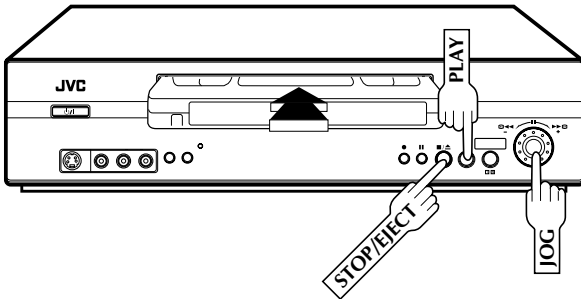The easiest, most basic operation possible with your video recorder is tape playback. Already-recorded signals on a video tape are read by your video recorder and displayed on your TV just like a TV programme.

S-VHS playback is possible only with S-VHS PAL tapes recorded in SP, LP or EP or S-VHS NTSC tapes recorded in the SP mode.

1 LOAD A CASSETTE

Make sure the window side is up, the rear label side is facing you and the arrow on the front of the cassette is point toward the recorder. Don't apply too much pressure when inserting.

● The recorder power comes on automatically.
● Select the appropriate colour system (☞ pg. 52).
● If the record safety tab has been removed, playback begins automatically (☞ pg. 19).
● If the record safety tab is intact, the recorder checks the tape information for Programme Navigation. For details, refer to "Navigation " (☞ pg. 38).

2 FIND PROGRAMME START POINT

If the tape is advanced past the start point, press **REW** or turn the **JOG** dial to the left.
To go forward, press **FF** or turn the **JOG** dial to the right.

3 START PLAYBACK

Press **PLAY**. "BEST" appears blinking in the recorder's display panel during automatic tracking (☞ pg. 24).

4 STOP PLAYBACK

Press **STOP** on the remote or **STOP/EJECT** on the recorder's front panel. Then press **STOP/EJECT** to remove the cassette.

Usable cassettes
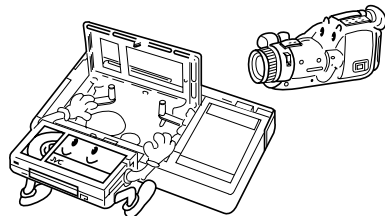
● Compact VHS camcorder recordings can be played on this video recorder. Simply place the recorded cassette into a VHS Cassette Adapter and it can be used just like any full-sized VHS cassette.
● This video recorder can record on regular VHS and Super VHS cassettes. While only VHS signals can be recorded on regular VHS cassettes, both VHS and Super VHS signals can be recorded and played back using Super VHS cassettes.
* *By using S-VHS ET it is possible to record and play back with S-VHS picture quality on VHS cassettes with this recorder (☞ pg. 23).*

Clean the video heads using a dry cleaning cassette--TCL-2UX--when:

● Rough, poor picture appears while a tape is played back.
● The picture is unclear or no picture appears.
● "USE CLEANING CASSETTE" appears on the screen (only with "O.S.D." set to "ON" (☞ pg. 10)).

Playback Features
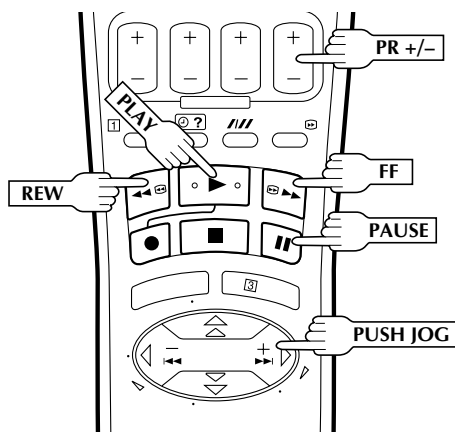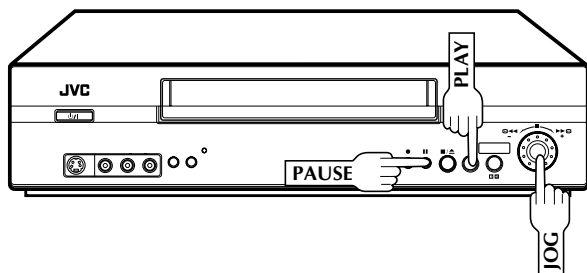
High-Speed Search

1
ACTIVATE HIGH-SPEED SEARCH

During playback, turn the **JOG** dial quickly to the left or right.

OR

During playback or still, press **FF** for forward high-speed search, or **REW** or reverse high-speed search.

To resume normal playback, press **PLAY**.

NOTE:

*For short searches, press and hold **FF** or **REW** for over 2 seconds during playback or still picture. When released, normal playback resumes.*

NOTE:

Refer to the illustrations below as you read the following procedures.
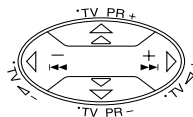
Reverse					Forward
Reverse search 5 steps	Reverse play	Reverse slow motion 2 steps	Slow motion 2 steps	Normal play	Forward search 5 steps

Still Picture/Frame-By-Frame Playback

1
PAUSE DURING PLAYBACK

Push the **JOG** dial.

OR

Press **PAUSE.**

● If there is vertical jitter, use the **PR +/–** buttons to correct the picture.

2
ACTIVATE FRAME-BY-FRAME PLAYBACK

Turn the **JOG** dial to the right for forward frame-by-frame playback, or to the left for reverse frame-by-frame playback.

OR

Press **PAUSE**.

OR

Press **PUSH JOG** ◁ or ▷.

To resume normal playback, press **PLAY** or push the **JOG** dial.

ATTENTION

In the search, still, slow-motion or frame-by-frame playback mode,
● the picture will be distorted.
● the noise bars will appear.
● there may be a loss of colour.

Slow Motion

1 ACTIVATE SLOW-MOTION PLAYBACK

During playback, turn the **JOG** dial to the left for forward slow motion. To play in reverse slow motion, continue to turn the **JOG** dial to the left after selecting all the forward direction slow motion modes.

OR

During still picture, press and hold **PAUSE** for 2 seconds, then release. Press and release again to return to still picture.

OR

During still picture, press and hold **PUSH JOG** ◁ or ▷. Release to return to still picture.

To resume normal playback, press **PLAY**.

NOTE:

Manual tracking is possible during slow motion playback. (☞ pg. 16)

Variable-Speed Search

1 ACTIVATE VARIABLE-SPEED SEARCH

During playback, turn the **JOG** dial to the right for forward variable-speed search, or to the left for reverse variable-speed search.

OR

During playback, press **PUSH JOG** ◁ or ▷.

● The more times you press, the faster the playback picture moves.
● To decrease speed, press the button for the opposite direction.

To resume normal playback, press **PLAY**.

Index Search

Your recorder automatically marks index codes at the beginning of each recording. This function gives you quick access to any one of 9 index codes in either direction.

NOTE:

Before starting, make sure the recorder is in the Stop mode.

▶▶| 2

1 ACTIVATE INDEX SEARCH

Press **PUSH JOG** ◁ or ▷ (|◀◀ or ▶▶|) on the remote control. "|◀◀ 1" or "▶▶| 1" is displayed on screen and search begins in the corresponding direction.

● To access index codes 2 through 9, press **PUSH JOG** ◁ or ▷ repeatedly until the correct index number is displayed.
  Ex.: To locate the beginning of B from the current position, press **PUSH JOG** ◁ twice.
       To locate the beginning of D from the current position, press **PUSH JOG** ▷ once.

Current position

A	B	C	D	E	F
	−2	−1	1	2	3

◀— ◁   ▷ —▶

Index number
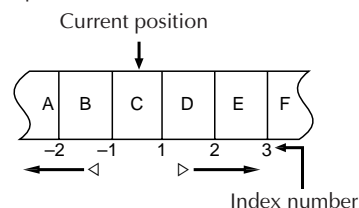
● When the specified index code is located, playback begins automatically.
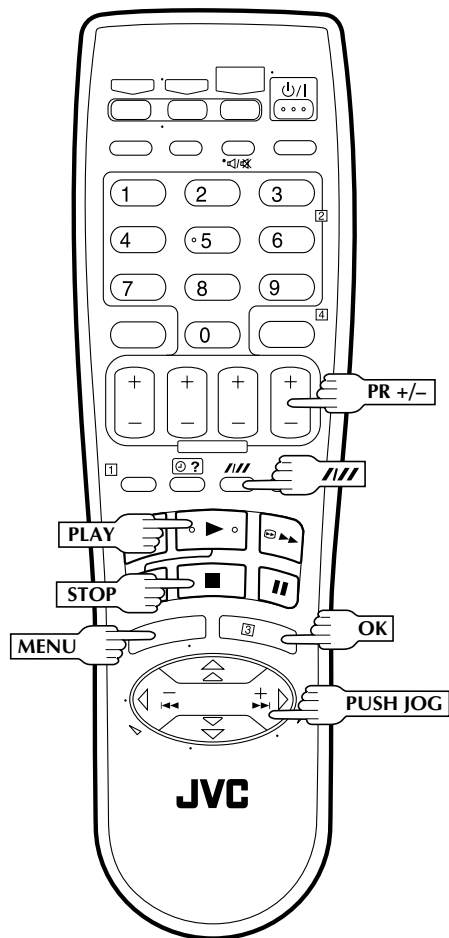
Manual Tracking

Your video recorder is equipped with automatic tracking control. During playback, you can override this and adjust the tracking manually by pressing the **PR +/–** buttons.
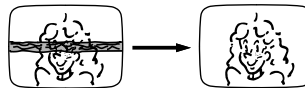
1

OVERRIDE AUTOMATIC TRACKING

Press ▮/▮▮ **(SP/LP/EP)** on the remote control to engage manual tracking.

2

ADJUST TRACKING MANUALLY

Press **PR +/–** to adjust tracking.

● To return to automatic tracking, press ▮/▮▮ (**SP/LP/EP**) on the remote control.

NOTE:

When a new tape is inserted, the recorder enters the automatic tracking mode automatically.

PR +/–

PLAY

STOP

MENU

OK

PUSH JOG

JVC

Repeat Playback

Your video recorder can automatically play back the whole tape 100 times repeatedly.

1 ## START PLAYBACK

Press **PLAY**.

2 ## ACTIVATE REPEAT PLAYBACK

Press **PLAY** and hold for over 5 seconds, then release.

● The Play indicator (▷) on the display panel blinks slowly.
● The tape plays 100 times automatically, and then stops.

3 ## STOP PLAYBACK

Press **STOP** at any time to stop playback.

NOTES:
● *Pressing **PLAY**, **REW**, **FF** or **PAUSE** also stops Repeat Playback.*
● *Repeat Playback is not possible with a PAL tape recorded in EP mode.*

Video Stabilizer

You can automatically correct vertical vibrations in the picture when playing back unstable recordings made on another recorder.
* The default setting is "OFF".

1 ## ACCESS MAIN MENU SCREEN

Press **MENU**.

2 ## ACCESS FUNCTION SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "FUNCTION SET", then press **OK** or **PUSH JOG** ▷.

```
            MAIN MENU

     PROGRAMME NAVIGATION
  ☞ FUNCTION SET
     TUNER SET
     INITIAL SET


  [▲/▼] → ⌧
  [MENU] : EXIT
```
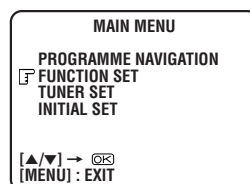
3 ## SELECT VIDEO STABILIZER SET MODE

Press **PUSH JOG** △▽ to place the pointer next to "VIDEO STABILIZER", then press **OK** or **PUSH JOG** ▷ to select "ON" or "OFF".

```
     PREVIOUS PAGE
     PROG. NAVIGATION        ON
     AUTO SP→LP TIMER        OFF
  ☞ VIDEO STABILIZER         ON
     S-VHS                   ON
     S-VHS ET                OFF

  [▲/▼] → ⌧
  [MENU] : EXIT
```
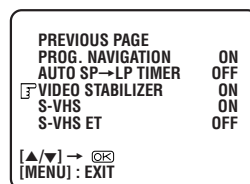
4 ## RETURN TO NORMAL SCREEN

Press **MENU**.

NOTES:
● *When you finish viewing a tape, be sure to set this function to "OFF".*
● *Regardless of the setting, this function has no effect during recording and during special effects playback.*
● *The on-screen display may jitter vertically when this function is set to "ON".*
● *To watch recordings with close-caption, set this function to "OFF".*

Next Function Memory

The Next Function Memory "tells" the recorder what to do after rewinding. Before continuing, ensure that the recorder is in the Stop mode.

a– For Automatic Start Of Playback After Tape Rewind...
...press **REW**, then press **PLAY** within 2 seconds.
b– For Automatic Power Off After Tape Rewind...
...press **REW**, then press ⏻/I within 2 seconds.
c– For Automatic Timer Standby After Tape Rewind...
...press **REW**, then press ⏱ within 2 seconds.

NOTE:

It is not possible to select the Automatic Timer functions if the cassette's record safety tab is removed.

Tape Position Indicator

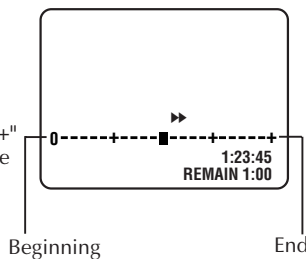The tape position indicator appears on screen when, from the Stop mode, you press **FF**, **REW** or perform an Index Search. The position of "■" in relation to "0" (beginning) or "+" (end) shows you where you are on the tape.
"O.S.D." (☞ pg. 10) must be set to "ON", or the indicator will not appear.

```
▶▶
0-----+-----■-----+-----+
                1:23:45
                REMAIN 1:00
Beginning              End
```

NOTE:

Depending on the type of tape used, there may be times when the indication is not correct.

Skip Search

1 SKIP OVER UNWANTED SECTIONS

Press **30 SEC** 1 to 4 times during playback. Each press initiates a 30-second period of fast-motion playback. Normal playback resumes automatically.

NOTE:

*To return to normal playback during a Skip Search, press **PLAY**.*

Instant ReView

Simply by pressing a single button, the recorder power comes on, rewinds, and begins playback of the last timer-recorded programme. If you have several programmes recorded, you can easily access any of them.

NOTE:

Before starting, make sure that the recorder is off and that the Timer mode is disengaged.

1 ACTIVATE INSTANT REVIEW

Press **REVIEW**. The recorder power comes on and the recorder searches for the index code indicating the start of the last timer-recorded programme. Once it's found, playback begins automatically.

● The front display panel tells you how many programmes have been recorded. If you have, for example, 3 programmes, "REVIEW" and "3" appear and blink. To watch the first of the 3 programmes, press **REVIEW** three times. The recorder searches and begins playback automatically. You can access a programme as far as 9 index codes away from the current tape position.

NOTE:

Instant ReView is not possible while the recorder is in the Timer mode.

Soundtrack Selection

Your video recorder is capable of recording three soundtracks (HI-FI L, HI-FI R and NORM) and will play back the one you select.

During Playback
Pressing **AUDIO** on the remote control changes the soundtrack being played back as follows:

TRACK		USE
Recorder's Front Panel	On-Screen Display	
▷◁	HI FI L ▶◀ R	For Hi-Fi stereo tapes
▷	HI FI L ▶	For main audio of Bilingual tapes
◁	HI FI ◀ R	For sub audio of Bilingual tapes
NORM	NORM	For audio-dubbed tapes
▷ NORM ◁	HI FI NORM	For audio-dubbed tapes

NOTES:
● *"▷◁" should normally be selected. In this mode, Hi-Fi stereo tapes are played back in stereo, and the NORM track is played back automatically for tapes with only normal audio.*
● *For instructions on recording stereo and bilingual programmes, refer to page 21.*
● *"O.S.D." must be set to "ON" or the on-screen displays will not appear (☞ pg. 10).*

Basic Recording

Turn on the TV and select the VIDEO channel (or AV mode).
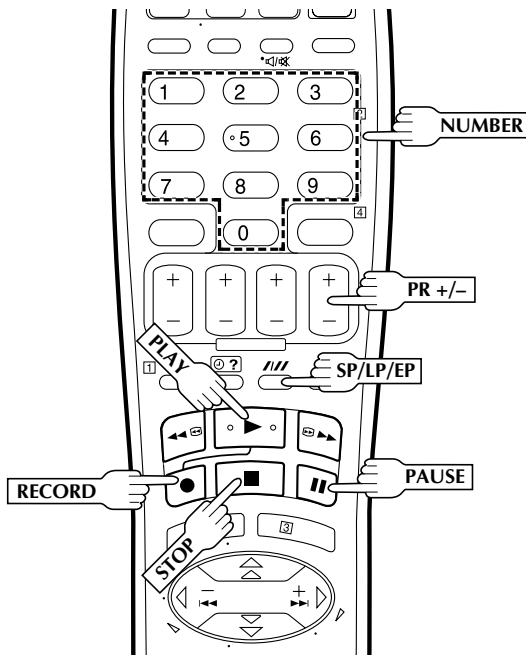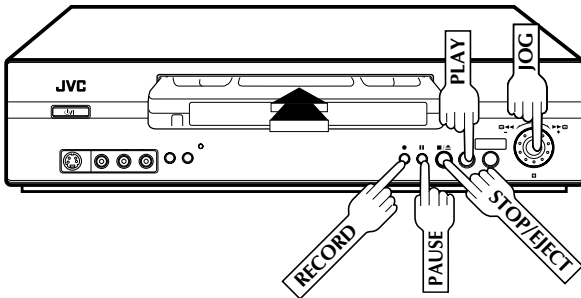
Accidental erasure prevention

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

Record safety tab

TV signals being received by the recorder's built-in tuner can be recorded onto a video tape. You can "capture" a TV programme using your video recorder.
S-VHS recording is possible only for PAL recordings made in the SP, LP or EP mode, or NTSC recordings made in the SP mode.
S-VHS ET recording is possible only for PAL recordings made in the SP mode, or NTSC recordings made in the SP mode.

1 LOAD A CASSETTE
Insert a cassette with the record safety tab intact.

● The recorder power comes on automatically.
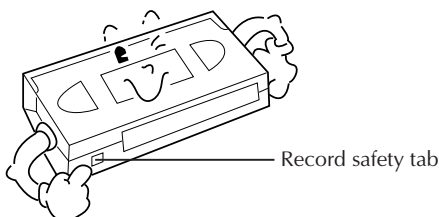● The recorder checks the tape information for Programme Navigation. For details, refer to "Navigation" (☞ pg. 38).
● Select the appropriate colour system (☞ pg. 52).

2 CHOOSE A PROGRAMME
Press **PR +/–** or the **NUMBER** keys. Or push the **JOG** dial and turn it to the left or right to select the channel you wish to record.

3 SET TAPE SPEED
Press **SP/LP/EP** (▐▐▐). Check the SP/LP/EP indicator on the recorder display panel to confirm the selected tape speed.

4 START RECORDING
Press and hold **RECORD** and **PLAY** on the remote control, or press **RECORD** on the recorder.

B.E.S.T. takes place at the beginning of each first SP and first LP (or EP) recording after inserting the cassette (☞ pg. 24).

5 PAUSE/RESUME RECORDING
Press **PAUSE**. Press **PLAY** to resume recording.

6 STOP RECORDING
Press **STOP** on the remote control or **STOP/EJECT** on the recorder. Then press **STOP/EJECT** to remove the cassette.

NOTE:
When recording in NTSC, if EP is selected, recording will always be done in the VHS mode even if an S-VHS cassette is used.

Recording Resume Function

If there is a power outage during recording (or Instant Timer Recording or timer recording), the recording will resume automatically when power is restored to the recorder unless the recorder's memory backup has expired.

Recording Features
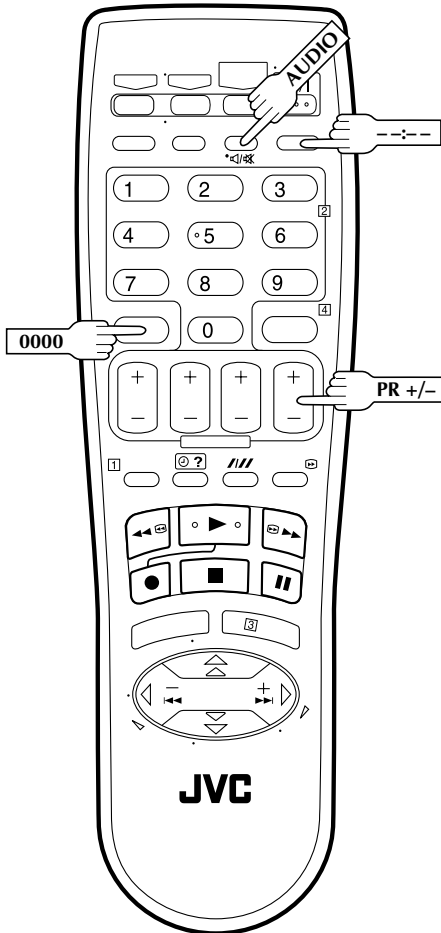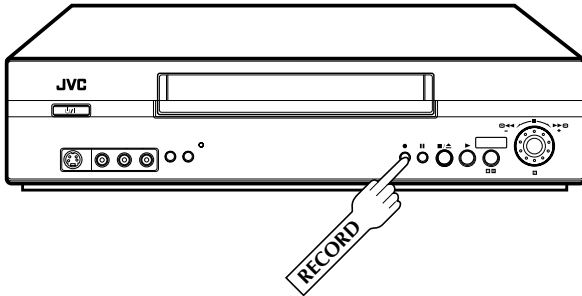
Record One Programme While Watching Another

1 ## SELECT CHANNEL TO WATCH

Once recording is in progress, all you need to do is to set the channel controls on the TV for the station you wish to view.

● The programme selected with the TV's channel controls appears on the TV screen while the one selected with the **PR +/–** buttons is recorded on the tape.

Elapsed Recording Time Indication

You can check the exact time of a recording.

1 ## SET COUNTER DISPLAY

Press **– –:– –** until a counter reading appears on the display panel.

● By pressing the **– –:– –** button, you can change the display to show the counter reading, channel position*, clock time or tape remaining time. *Channel position is not displayed during playback.

2 ## RESET COUNTER

Press **0000** before starting recording or playback.

● The counter is reset to "0:00:00" and shows the exact elapsed time as the tape runs.

Instant Timer Recording (ITR)

This easy method lets you record for from 30 minutes to 6 hours (selectable in 30-min. increments), and shuts the recorder off after recording is finished.

1 START RECORDING

Press **RECORD** on the recorder.

2 ENGAGE ITR MODE

Press **RECORD** again. "○" blinks and 0:30 appears on the front display panel.

3 SET RECORDING DURATION

If you want to record for more than 30 minutes, press **RECORD** to extend the time. Each press extends recording time by 30 minutes.

NOTE:

*You can only perform ITR using the **RECORD** button on the recorder's front panel.*

Tape Remaining Time

1 DISPLAY REMAINING TIME

Press **– –:– –** until the time remaining on the tape appears.

● The display panel shows the tape remaining time with "◺" displayed.
● By pressing the **– –:– –** button, you can change the display to show the counter reading, channel position*, clock time or tape remaining time.
  * Channel position is not displayed during playback.

NOTE:

Depending on the type of tape used, there may be times when the tape remaining time reading may not appear right away, or is not correct. "– –:– –" may sometimes appear, or the display may blink on occasion.

Receiving Stereo And Bilingual Programmes

Your recorder is equipped with a Sound-Multiplex decoder (A2) and a Digital stereo sound decoder (NICAM) as well, making reception of stereo and bilingual broadcasts possible.

When the channel is changed, the type of broadcast being received will be displayed on the TV screen for a few seconds.

Type of Broadcast Being Received	On-screen Display
A2 Stereo	ST
A2 Bilingual	BIL
Regular Monaural	(none)
NICAM Stereo	ST NICAM
NICAM Bilingual	BIL NICAM
NICAM Monaural	NICAM

● To listen to a stereo programme, press **AUDIO** until "▷" and "◁" appear on the front display panel or "HIFI L ▶◀ R" appears on the screen.
● To listen to a bilingual programme, press **AUDIO** until "▷" or "◁" appears on the front display panel, or "HIFI L ▶" or "HIFI ◀ R" appears on the screen (as required).
● To listen to the Standard (regular monaural) audio while receiving a NICAM broadcast, press **AUDIO** until "NORM" appears on the front display panel or on the screen.

NOTE:

"O.S.D." must be set to "ON" or the on-screen displays will not appear (☞ pg. 10).

To Record Stereo And Bilingual Programmes (A2)

● Stereo programmes are automatically recorded in stereo on the Hi-Fi audio track (with the normal audio track recording mixed L and R channel sound).
● Bilingual programmes are automatically recorded in bilingual on the Hi-Fi audio track. The main soundtrack will be recorded on the normal audio track.

To Record NICAM Stereo And Bilingual Programmes

The NICAM audio programme will be recorded on the Hi-Fi audio track, and the Standard audio programme on the normal audio track.

NOTES:

● *If the quality of stereo sound being received is poor, the broadcast will be received in monaural with better quality.*
● *Before playing back a programme recorded in stereo, or a bilingual programme, refer to "Soundtrack Selection" (☞ pg. 18).*

S-VHS (Super VHS), S-VHS ET and VHS

Your recorder can record in S-VHS, S-VHS ET or VHS.

S-VHS allows you to make high quality video recordings with a horizontal resolution of 400 lines. This compares with the 240 lines of resolution of normal VHS recordings. To achieve the highest quality picture we recommend that you record in S-VHS mode.

By using S-VHS ET it is possible to record and play back with S-VHS picture quality on VHS cassettes with this recorder. For details, refer to page 23.

To record in S-VHS;
● perform the steps **1** – **4** below to set "S-VHS" to "ON".
● then, insert a cassette marked "S-VHS", the S-VHS indicator will light on the display panel.
The S-VHS recording mode will be automatically selected.
To record in S-VHS ET on a VHS high grade cassette;
● set "S-VHS ET" to "ON".
☞ "Super VHS ET" on page 23.
To record in VHS;
● insert a cassette marked "VHS".
● set "S-VHS ET" to "OFF".
The VHS recording mode will be automatically selected regardless of the S-VHS mode setting.
To record in VHS on an S-VHS cassette;
● insert the cassette marked "S-VHS", the S-VHS indicator will light on the display panel.
● then, perform the steps **1** – **4** below to set "S-VHS" to "OFF"; the S-VHS indicator will go out.
The VHS recording mode will be selected.

ATTENTION
● S-VHS recording is possible only for PAL recordings made in the SP, LP or EP mode, or NTSC recordings made in the SP mode.
● S-VHS ET recording is possible only for PAL recordings made in the SP mode, or NTSC recordings made in the SP mode.
● When recording NTSC signals in S-VHS or S-VHS ET, be sure to select "AUTO" for "PAL/MESECAM" setting and "NTSC3.58" for "NTSC" setting (☞ pg. 52).

NOTES:
● *When playing back a tape that has been recorded in S-VHS or S-VHS ET, the S-VHS indicator lights on the display panel regardless of the "S-VHS" mode setting.*
● *Tapes recorded in S-VHS or S-VHS ET mode can not be played back successfully on normal VHS recorders.*

1 ## ACCESS MAIN MENU SCREEN
Press **MENU**.

2 ## ACCESS FUNCTION SET SCREEN
Press **PUSH JOG** △▽ to place the pointer next to "FUNCTION SET", then press **OK** or **PUSH JOG** ▷.

```
        MAIN MENU

   PROGRAMME NAVIGATION
 ☞ FUNCTION SET
   TUNER SET
   INITIAL SET


[▲/▼] → ⊙K
[MENU] : EXIT
```

3 ## SELECT S-VHS MODE
Press **PUSH JOG** △▽ to place the pointer next to "S-VHS", then press **OK** or **PUSH JOG** ▷ to select "ON" or "OFF".

```
   PREVIOUS PAGE
   PROG. NAVIGATION      ON
   AUTO SP→LP TIMER     OFF
   VIDEO STABILIZER     OFF
 ☞ S-VHS               ON
   S-VHS ET            OFF

[▲/▼] → ⊙K
[MENU] : EXIT
```

4 ## RETURN TO NORMAL SCREEN
Press **MENU**.

S-VHS ET

This facility allows recording with S-VHS picture quality on VHS cassettes. You can play back those cassettes recorded in S-VHS ET on a recorder equipped with S-VHS ET.

NOTES:

- *To obtain the highest quality recording and playback pictures over a longer period on this model, S-VHS recording on S-VHS tape is recommended.*
- *You can play back S-VHS ET recordings not only on this recorder but also on another VHS recorder equipped with S-VHS ET.*
  * It is recommended to specifically label S-VHS ET recordings so you can easily distinguish them from regular VHS recordings.
- *S-VHS ET recordings can also be played back on an S-VHS recorder or a VHS recorder equipped with SQPB (S-VHS QUASI PLAYBACK) function. However, there may be cases where S-VHS ET playback is not possible on a particular recorder.*
- *Frequent still, frame-by-frame and slow-motion playback may damage the tape and cause picture degradation.*
- *With some tapes, better picture quality may not be obtained even with S-VHS ET recording. It is recommended that you do test record beforehand to make sure whether better results can be obtained.*
- *High Grade tapes are recommended for superior results.*
- *Make sure that "B.E.S.T." is set to "ON" (☞ pg. 24).*
- *During S-VHS ET playback, noise may appear depending on tape quality.*
- *Noise may appear during search, still, frame-by-frame and slow-motion playback.*
- *If the playback picture becomes blurred or interrupted, use a cleaning cassette.*

Super VHS ET

Your recorder is equipped with Super VHS ET that makes it possible to record with S-VHS picture quality on VHS cassettes.

1 ACCESS MAIN MENU SCREEN

Press **MENU**.

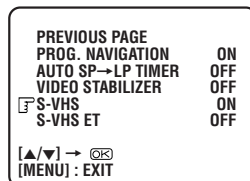### 2 ACCESS FUNCTION SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "FUNCTION SET", then press **OK** or **PUSH JOG** ▷.

```
          MAIN MENU

        PROGRAMME NAVIGATION
      ⌯ FUNCTION SET
        TUNER SET
        INITIAL SET


     [▲/▼] → ⏎
     [MENU] : EXIT
```

3 SELECT S-VHS ET MODE

Press **PUSH JOG** △▽ to place the pointer next to "S-VHS ET", then press **OK** or **PUSH JOG** ▷ to select "ON" or "OFF".
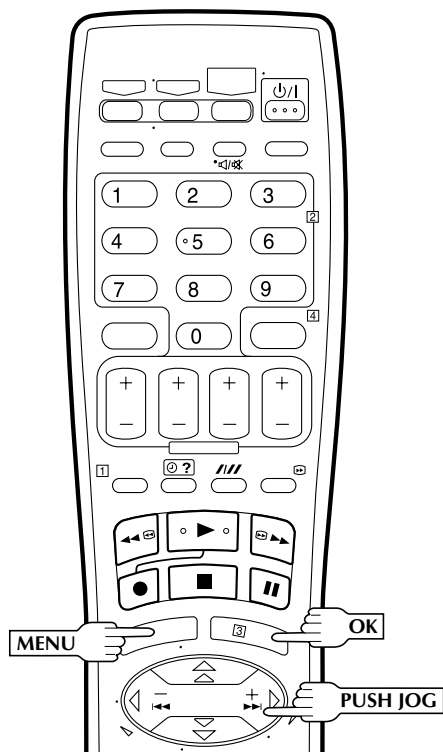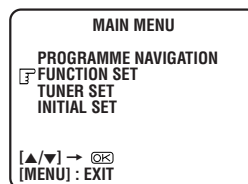
```
     PREVIOUS PAGE
     PROG. NAVIGATION      ON
     AUTO SP→LP TIMER      OFF
     VIDEO STABILIZER      ON
     S-VHS                 ON
   ⌯ S-VHS ET             ON

     [▲/▼] → ⏎
     [MENU] : EXIT
```
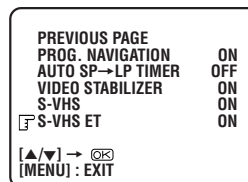
4 RETURN TO NORMAL SCREEN

Press **MENU**.

NOTES:

- *The "S-VHS" indicator lights on the front display panel when "S-VHS ET" is set to "ON".*
- *You cannot activate the S-VHS ET function...*
  ...while recording is in progress.
  ...while timer-recording (incl. Instant Timer Recording ☞ pg. 21) is in progress.
  ...while B.E.S.T. (☞ pg. 24) is in progress.
  ...when the recorder's power is off.
- *S-VHS ET does not work with S-VHS tapes.*

B.E.S.T. Picture System

Turn on the TV and select the VIDEO channel (or AV mode).

The B.E.S.T. (Biconditional Equalised Signal Tracking) system checks the condition of the tape in use during recording and playback, and compensates to provide the highest-possible recording and playback pictures. The default setting for both recording and playback is "ON".
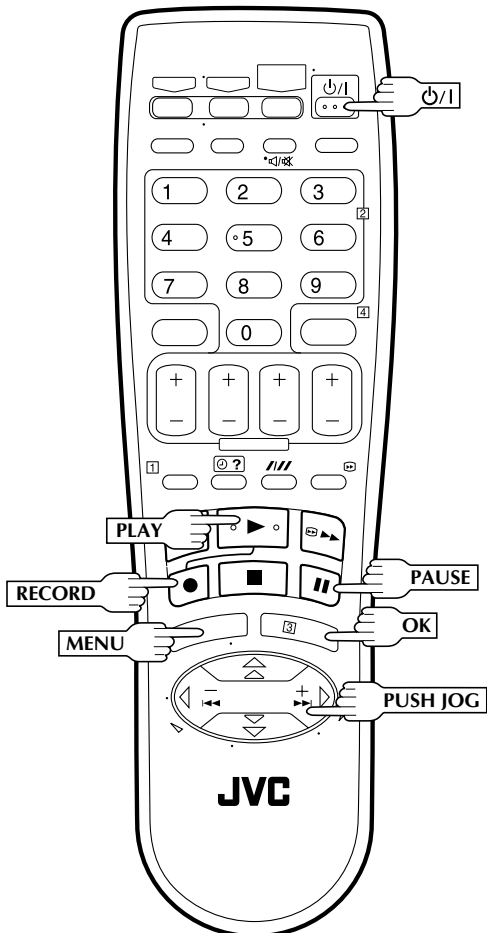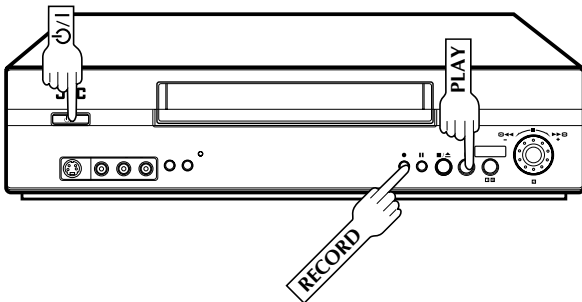
Preparation

1 TURN ON THE RECORDER

Press ⏻/I.

2 ACCESS MAIN MENU SCREEN

Press **MENU**.

3 ACCESS FUNCTION SET SCREEN

Place the pointer next to "FUNCTION SET" by pressing **PUSH JOG** △▽, then press **OK** or **PUSH JOG** ▷.

```
           MAIN MENU

      PROGRAMME NAVIGATION
    ☞ FUNCTION SET
      TUNER SET
      INITIAL SET


    [▲/▼] → ◎Ⓚ
    [MENU] : EXIT
```
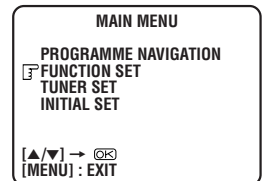
4 SELECT MODE

Place the pointer next to "B.E.S.T." by pressing **PUSH JOG** △▽, then press **OK** or **PUSH JOG** ▷ to set to "ON" or "OFF".

```
          FUNCTION SET
    ☞ B. E. S. T.           ON
      PICTURE CONTROL      AUTO
      PAL/MESECAM          AUTO
      NTSC            NTSC3. 58
      AUTO TIMER            OFF
      O.S.D.                 ON
      NEXT PAGE
    [▲/▼] → ◎Ⓚ
    [MENU] : EXIT
```

5 RETURN TO NORMAL SCREEN

Press **MENU**.

PLAY

RECORD

PAUSE

MENU

OK

PUSH JOG

JVC
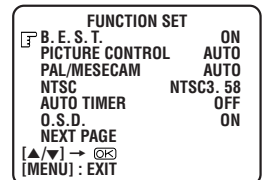
Recording

1 START RECORDING

Press and hold **RECORD** and press **PLAY** on the remote, or press **RECORD** on the recorder.

DURING B.E.S.T.

≡ ≡ ◌ *BEST*

↓

B.E.S.T. COMPLETE

▤ ▮ ◌ *BEST*

● The recorder spends approximately 7 seconds assessing the condition of the tape, then begins recording.

NOTES:
● *The B.E.S.T. system works for both SP and LP or EP modes only after a tape has been inserted and the Record mode is first initiated. It does not work during recording.*
● *In the case of timer recording, the B.E.S.T. system works before recording is initiated.*
● *Once the cassette is ejected, the B.E.S.T. data is cancelled. The next time the cassette is used for recording, B.E.S.T. is re-performed.*
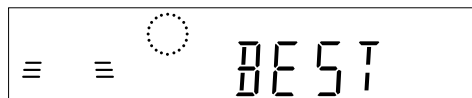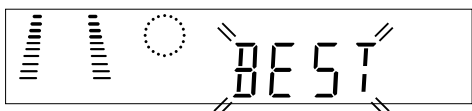● *Pressing the recorder's **RECORD** button while "BEST" is displayed does not start Instant Timer Recording (☞ pg. 21).*

ATTENTION
*Since the B.E.S.T. system works before recording actually starts, there is a delay of approximately 7 seconds after **RECORD** and **PLAY** on the remote are pressed, or **RECORD** on the recorder is pressed. To make sure you record the desired scene or programme in its entirety, first perform the following steps:*
1) *Press and hold **PAUSE** and press **RECORD** to engage the RECORD PAUSE mode.*
  ● *The recorder then automatically checks the condition of the tape and, after approximately 7 seconds, re-enters RECORD PAUSE.*
2) *Press **PLAY** to start recording.*
  ● *If you want to bypass the B.E.S.T. system and begin recording immediately, set "B.E.S.T." to "OFF" in step **4** on page 24.*

Playback

The recorder assesses the quality of the tape once you initiate playback.

1 START PLAYBACK

Press **PLAY**.
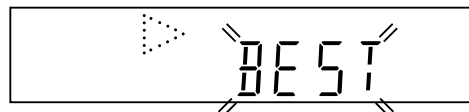
▷ *BEST*

● The recorder adjusts the playback picture quality based on the quality of the tape in use.
● B.E.S.T. is active during Auto Tracking. "BEST" appears blinking on the recorder's display panel.

NOTES:
● *When watching a tape recorded with "B.E.S.T." set to "ON", it is recommended that you leave B.E.S.T. on during playback as well.*
● *When watching a rental tape or one recorded on another video recorder, or when using this recorder as the player for editing, set B.E.S.T. to your preference by performing steps **1** through **5** on page 24.*
● *"BEST" only appears at the beginning of automatic tracking. Even though it doesn't appear after that, the B.E.S.T. function is operative.*

G-CODE™/SHOWVIEW™ System Setup

Turn on the TV and select the VIDEO channel (or AV mode).

INFORMATION

G-CODE and SHOWVIEW are different trademarks used to represent the same easy recording feature, but only the term G-CODE system will be used in the instructions. If you use the SHOWVIEW system, follow the same instructions listed for the G-CODE system.
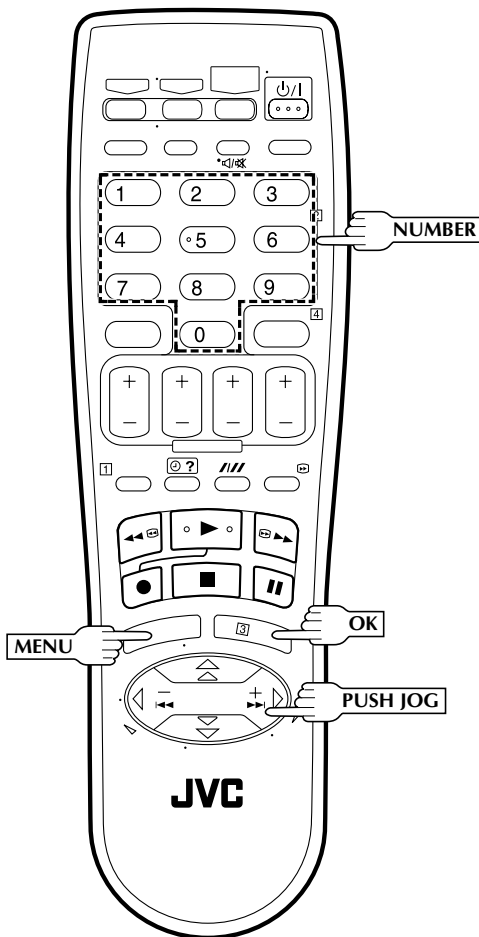
The G-CODE timer programming system eliminates the need to input channel, date, start and stop time data when setting the timer record function. Simply key in the G-CODE number for the TV programme you wish to record (found in most TV listings) and the recorder's timer is automatically programmed.

You have to set "GUIDE PROG" numbers, which are assigned to each station for purposes of G-CODE timer programming, for all the stations stored in your recorder's memory to get proper results.

Before G-CODE system setup you must have performed the following procedures:
● Tuner setting (☞ pg. 8, 54)
● Clock setting (☞ pg. 12)

IMPORTANT

Perform the following procedure after Auto Set Up on page 8 and/or the channel setting steps on pages 54– 57.
After setting the Guide Program Numbers, channel positions may be incorrect if you stored or skipped channels. In this case, re-perform Guide Program Number setting.

Guide Program Number Set

1 ACCESS MAIN MENU SCREEN
Press **MENU**.

2 ACCESS INITIAL SET SCREEN
Press **PUSH JOG** △▽ to place the pointer next to "INITIAL SET", then press **OK** or **PUSH JOG** ▷.

3 ACCESS G-CODE/ SHOWVIEW SETUP SCREEN
Press **PUSH JOG** △▽ to place the pointer next to "G-CODE/SHOWVIEW SETUP", then press **OK** or **PUSH JOG** ▷.

4 ENTER GUIDE PROG NUMBER
Press **PUSH JOG** △▽ or **NUMBER** keys to enter the Guide Program number for the desired station as shown in the TV listings. Then press **OK** or **PUSH JOG** ▷.

```
     G-CODE/SHOWVIEW SETUP

GUIDE PROG          TV PROG

    ⊱2⊰                5

[0-9] OR [▲/▼]:SELECT → OK
[MENU] : EXIT
```

5
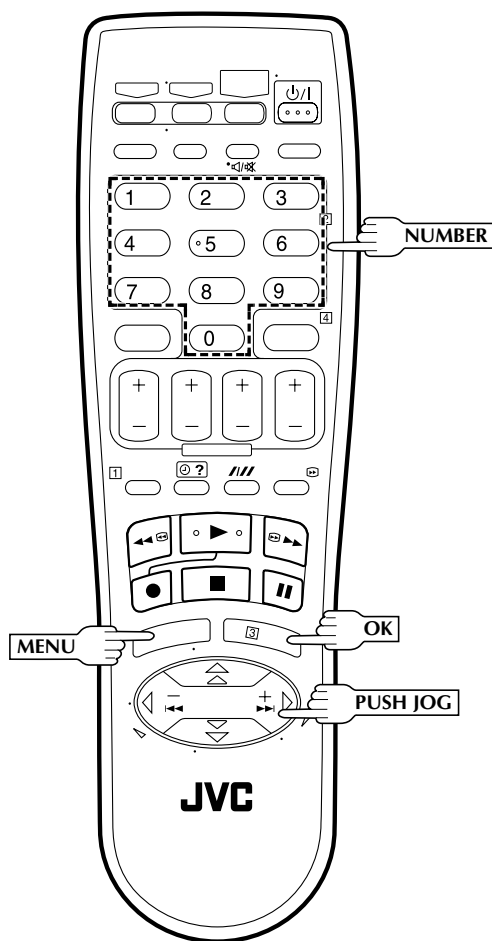
ENTER RECEIVING CHANNEL POSITION NUMBER

Press **PUSH JOG** △▽ or **NUMBER** keys to input the number of the recorder's channel position on which the Guide Program number's broadcast is received. Then press **OK** or **PUSH JOG** ▷.

```
┌─────────────────────────────────┐
│   G-CODE/SHOWVIEW SETUP          │
│                                  │
│ GUIDE PROG      TV PROG          │
│    2              ≈2≈            │
│                                  │
│ [0-9] OR [▲/▼]:SELECT → ⊙⊠      │
│ [MENU] : EXIT                    │
└─────────────────────────────────┘
```
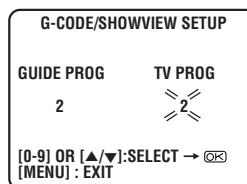
● If the satellite broadcast is received on your recorder's auxiliary channel "L-1", select "L-1" for the channel position.
● Repeat steps **4** and **5** as necessary.

6

RETURN TO NORMAL SCREEN

Press **MENU**.

Guide Program Number

"Guide Program (GUIDE PROG) number" refers to the assigned TV station numbers, according to broadcast area, for G-CODE timer recording. The Guide Program numbers can be found in most TV listings.

NUMBER

MENU

OK

PUSH JOG

JVC

G-CODE™/SHOWVIEW™ Timer Programming

Remember, the clock must be set before you can programme the timer (☞ pg. 12).

INFORMATION

G-CODE and SHOWVIEW are different trademarks used to represent the same easy recording feature, but only the term G-CODE system will be used in the instructions. If you use the SHOWVIEW system, follow the same instructions listed for the G-CODE system.

Before performing G-CODE/SHOWVIEW Timer Programming:
● Be sure to read "G-CODE/SHOWVIEW System Setup" (☞ pg. 26).
● Insert a cassette with the safety tab in place. The recorder will come on automatically.
● Turn on the TV and select the VIDEO channel (or AV mode).
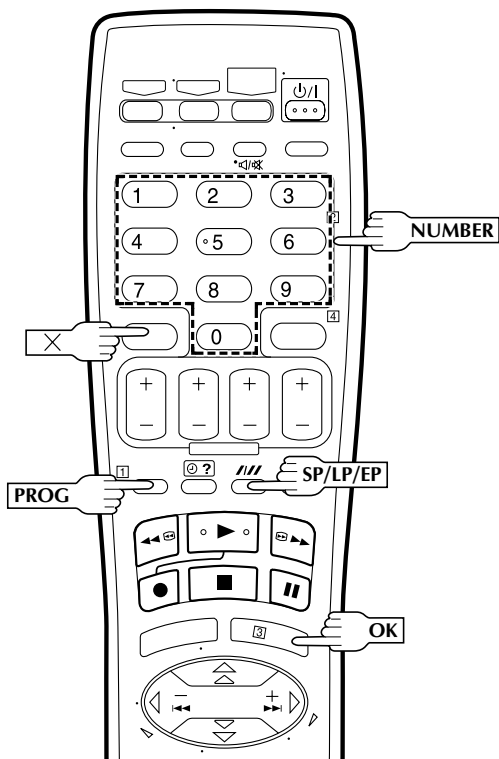● Select the appropriate colour system (☞ pg. 52).

With the G-CODE system , timer programming is greatly simplified because each TV programme has a corresponding code number which your recorder is able to recognise.

1 ACCESS G-CODE/ SHOWVIEW NO. SCREEN

Press **PROG.**

```
G-CODE/SHOWVIEW NO.



[0 – 9] → OK
[+/–] : EXPRESS PROGRAMING
[PROG] : EXIT
```
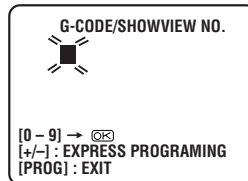
2 ENTER G-CODE NUMBER

Press the **NUMBER** keys to enter the G-CODE number of a programme you wish to record.

● If you make a mistake, press ✕ and input the correct number.

```
G-CODE/SHOWVIEW NO.
  1 2 3 4 5 6 7 8

[0 – 9] → OK
[✕] : DELETE
[PROG] : EXIT
```
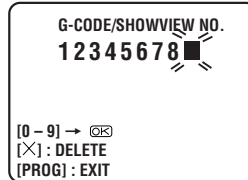
3 ACCESS G-CODE PROGRAMME SCREEN

Press **OK**, and the G-CODE Programme screen appears. (If you're just starting out, "P1" appears.)

```
        – P1 –
NO. 123456789
START          STOP
21:00     →    22:00

               SP

DATE           TV PROG
25.04          1
OK: OK         [1]: TITLE
```
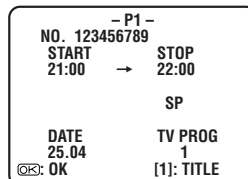
IMPORTANT

Make sure the channel position number you wish to record is displayed; if not, see "G-CODE/SHOWVIEW System Setup" on page 26 and set the Guide Program number for that G-CODE number correctly.

● If the number you entered is invalid, "ERROR" appears on the screen. Press ✕ and input a valid G-CODE number.
● If the "G-CODE/SHOWVIEW SETUP" screen appears, see "ATTENTION – Regarding Guide Program Number Set" on page 29.

4 SET TAPE SPEED

Press **SP/LP/EP** (///) to set the tape speed.

Satellite Tuner Users

To timer-record a satellite broadcast using the G-CODE system:
1 Perform steps **1** – **8**.
2 Set the satellite tuner to the appropriate channel before the selected programme begins.
3 Leave the satellite tuner's power on.

ATTENTION

Regarding Guide Program Number Set

"G-CODE/SHOWVIEW SETUP" appears after performing step **3** if the Guide Program number for the G-CODE number you entered has not been set.

● Press the **NUMBER** keys or **PUSH JOG** △▽ to input the channel position number on which your recorder receives that station, then press **OK** or **PUSH JOG** ▷. The G-CODE program screen appears.

```
G-CODE/SHOWVIEW SETUP

GUIDE PROG     TV PROG

    2            -- 

[0-9] OR [▲/▼]:SELECT → OK
[PROG] : EXIT
```
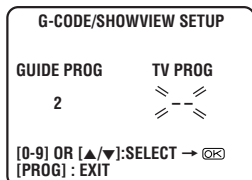
(Ex.) To timer-record a RTR programme with the G-CODE system.
* If your recorder receives RTR on the channel position 2, press **OK** or **PUSH JOG** ▷ after entering "2".

5
ACCESS TITLE EDIT SCREEN

Press the **NUMBER** key "1". The Title Edit screen appears.

● You can access the Title Edit screen only when "PROG. NAVIGATION" is set to "ON". (☞ pg. 38)

```
– P1 –

25.04   21:00  PR.1

[0–9] : SELECT LETTERS
[×] : DELETE
[◄/►] : CURSOR←→
OK : OK     [PROG] : EXIT
```

6
ENTER PROGRAMME TITLE

Press the **NUMBER** keys and **PUSH JOG** ▷ to enter characters, then press **OK** For details, refer to "Entering Character" on page 41.

```
– P1 –

25.04   W■

[0–9] : SELECT LETTERS
[×] : DELETE
[◄/►] : CURSOR←→
OK : OK     [PROG] : EXIT
```

7
RETURN TO NORMAL SCREEN

Press **PROG** or **OK**. "PROGRAM COMPLETED" appears on the screen for about 5 seconds, then normal screen appears. If "PROGRAM OVERLAPPED" appears on the screen and "Err" on the display panel, see page 35.

● Repeat steps **1** – **7** for each additional programme.

8
ENGAGE RECORDER'S TIMER MODE

Press ⏰. The recorder turns off automatically and "⏰" appears on the display panel.

● To disengage the timer, press ⏰ again.

NOTES:

● *To Change The Stop Time . . .*
*. . . press **STOP +/–** after pressing **OK** in step **3**. You can compensate for anticipated programme schedule delays this way.*
● *To Timer-Record Weekly Or Daily Serials . . .*
*. . . after pressing **OK** in step **3**, press **WEEKLY** (**NUMBER** key "9") for weekly serials or **DAILY** (**NUMBER** key "8") for daily serials (Monday – Friday). Either "WEEKLY" or "DAILY" appears on the screen. Pressing the button again makes the corresponding indication disappear.*
● *You can programme this recorder to timer-record as many as 8 programmes. If you try to programme the recorder to record a ninth, "PROGRAM FULL" appears on screen. To record the extra programme, you must first cancel any unnecessary programmes (☞ pg. 34).*
● *It is not possible to timer-record a TV programme with a G-CODE number which starts with "0".*
● *In case of a power failure after programming, the recorder's memory backup keeps your selections (if the lithium battery is not exhausted).*

Express Timer Programming

Remember, the clock must be set before you can programme the timer (☞ pg. 12).

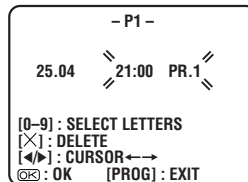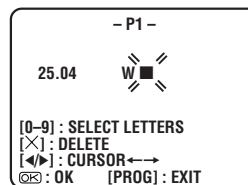Before performing the following steps:
- Insert a cassette with the safety tab in place. The recorder will come on automatically.
- Turn on the TV and select the VIDEO channel (or AV mode).
- Select the appropriate colour system (☞ pg. 52).
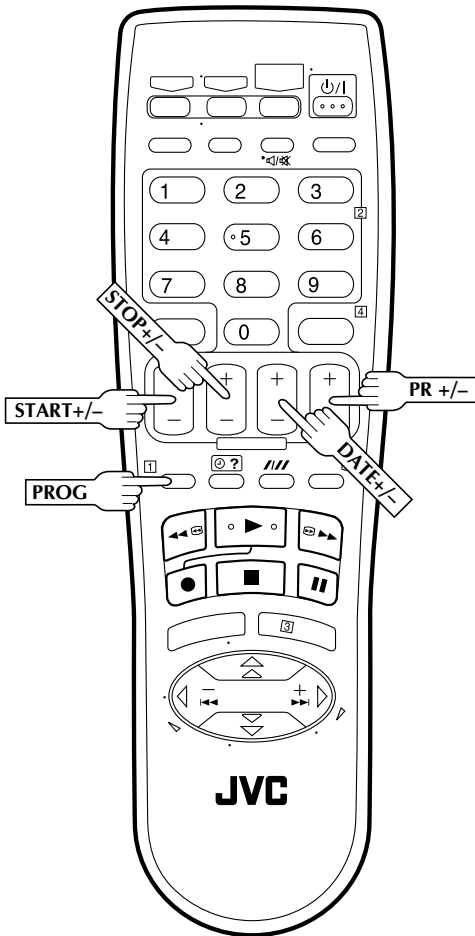
1 ACCESS G-CODE SCREEN

Press **PROG**.

2 ACCESS PROGRAMME SCREEN

Press **START +/–**. (If you're just starting out, "P1" appears.)

```
           – P1 –
    START          STOP
    –:– –    →     –:– –

                   SP

    DATE           TV PROG
    – –.– –         – –
 [+/–] → OK      [1]: TITLE
 [PROG] : EXIT
```

3 ENTER PROGRAMME START TIME

Press **START +/–** to enter the time you want recording to start.

- Press and hold **START +/–** to move in 30-minute increments, or press and release repeatedly to move 1 minute at a time.

```
           – P1 –
    START          STOP
    21:00    →     –:– –

                   SP

    DATE           TV PROG
    – –.– –         – –
 [+/–] → OK      [1]: TITLE
 [PROG] : EXIT
```

4 ENTER PROGRAMME STOP TIME

Press **STOP +/–** to enter the time you want recording to stop.

- Press and hold **STOP +/–** to move in 30-minute increments, or press and release repeatedly to move 1 minute at a time.

5 ENTER PROGRAMME DATE

Press **DATE +/–**. (The current date appears on screen. The date you enter appears in its place.)

6 ENTER CHANNEL POSITION

Press **PR +/–**.

```
           – P1 –
    START          STOP
    21:00    →     22:00

                   SP

    DATE           TV PROG
    25.12           1
 [+/–] → OK      [1]: TITLE
 [PROG] : EXIT
```

STOP +/–

START+/–

PROG

PR +/–

DATE+/–

JVC
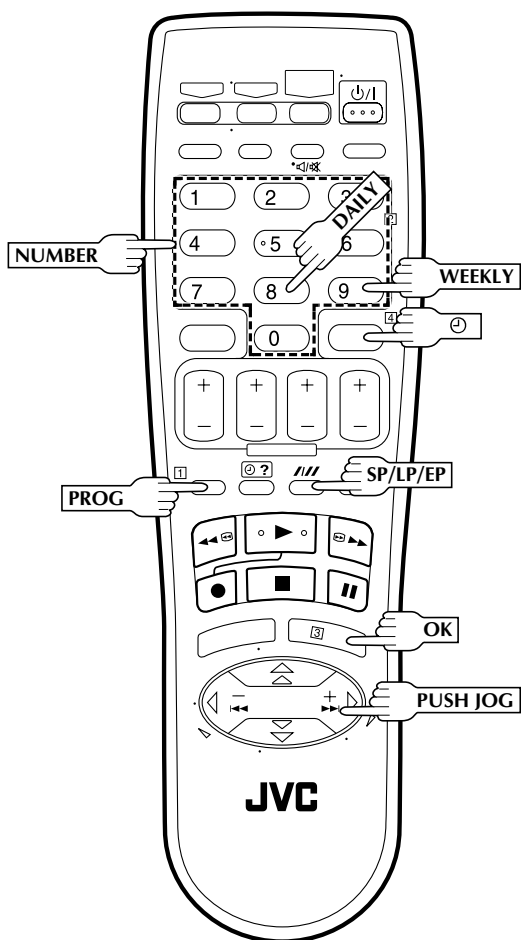
7 SET TAPE SPEED

Press **SP/LP/EP** (❚❚❚❚) to set the tape speed.

8 ACCESS TITLE EDIT SCREEN

Press the **NUMBER** key "1". The Title Edit screen appears.

● You can access the Title Edit screen only when "PROG. NAVIGATION" is set to "ON". (☞ pg. 38)

```
                – P1 –

     25.12    21:00  PR.1

[0–9] : SELECT LETTERS
[✕] : DELETE
[◀/▶] : CURSOR ←→
ⓄⓀ : OK      [PROG] : EXIT
```

9 ENTER PROGRAMME TITLE

Press the **NUMBER** keys and **PUSH JOG** ▷ to enter characters, then press **OK**. For details, refer to "Entering Character" on page 41.

```
                – P1 –

     25.12         W ▮

[0–9] : SELECT LETTERS
[✕] : DELETE
[◀/▶] : CURSOR ←→
ⓄⓀ : OK      [PROG] : EXIT
```

10 RETURN TO NORMAL SCREEN

After confirming all information is correct, press **PROG** or **OK**. "PROGRAM COMPLETED" appears on the screen for about 5 seconds, then normal screen appears. If "PROGRAM OVERLAPPED" appears on the screen and "Err" on the display panel, see page 35.
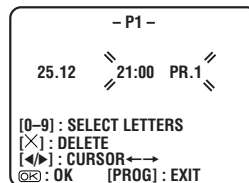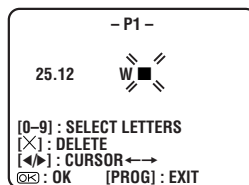
● Repeat steps **1** – **10** for each additional programme.

11 ENGAGE RECORDER'S TIMER MODE

Press ⏲. The recorder turns off automatically and "⏲" appears on the display panel.

● To disengage the timer, press ⏲ again.

NOTES:

● *To Timer-Record Weekly Or Daily Serials . . .*
*. . . anytime during steps **2** through **10**, press **WEEKLY** (**NUMBER** key "9") for weekly serials or **DAILY** (**NUMBER** key "8") for daily serials (Monday–Friday). Either "WEEKLY" or "DAILY" appears on the screen. Pressing the button again makes the corresponding indication disappear.*
● *You can programme this recorder to timer-record as many as 8 programmes. If you try to programme the recorder to record a ninth, "PROGRAM FULL" appears on screen. To record the extra programme, you must first cancel any unnecessary programmes (☞ pg. 34).*
● *In case of a power failure after programming, the recorder's memory backup keeps your selections (if the lithium battery is not exhausted).*

NUMBER

WEEKLY

DAILY

⏲

PROG

SP/LP/EP

OK

PUSH JOG

JVC

24H Express Timer Programming

Remember, the clock must be set before you can programme the timer (☞ pg. 12).

Before performing the following steps:
● Insert a cassette with the safety tab in place. The recorder will come on automatically.
● Select the appropriate colour system (☞ pg. 52).
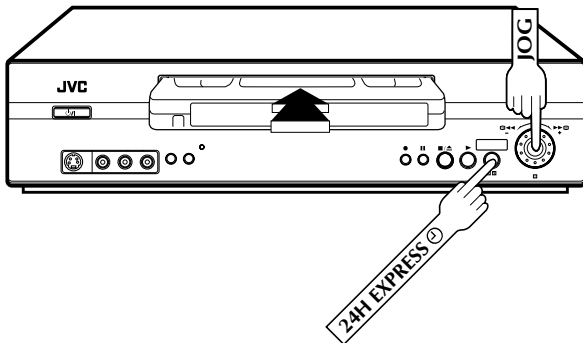
You can programme a timer recording that starts within 24 hours.

1 ACCESS 24HR EXPRESS TIMER PROGRAMME DISPLAY

Push **24H EXPRESS ⏱**. "➡" and start time start blinking on the display panel.

Programme start time indicator

7:46 SP
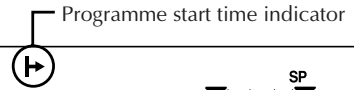
2 SET PROGRAMME START TIME

Turn the **JOG** dial to the left or right. Then, push the **JOG** dial. "➡❙" and start time start blinking on the display panel.

Programme start time indicator

8:00 SP
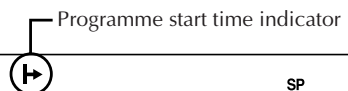
● One click stop of the **JOG** dial changes the time in 5-minute intervals.

3 SET PROGRAMME STOP TIME

Turn the **JOG** dial to the left or right. Then, push the **JOG** dial and channel number will start blinking.

Programme stop time indicator

9:00 SP
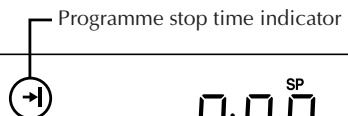
● One click stop of the **JOG** dial changes the time in 5-minute intervals.

4

SET CHANNEL POSITION

Turn the **JOG** dial to the left or right.

```
                                SP
                                 40
```

● You can cancel the setting at any time by pressing and holding the **JOG** dial for more than 3 seconds. Repeat from the step **2**.

5

ENGAGE RECORDER'S TIMER MODE

Press **24H EXPRESS** ⏰.
The recorder turns off automatically and "⏰" appears on the display panel.

NOTES:

● *If "Err" appears on the display panel, repeat the steps again.*
● *When a menu screen is shown, you cannot use 24H Express Timer programming function. Press **MENU** to return to normal screen, and try again.*
● *You can use 24H Express Timer programming function also when the recorder is turned off.*
● *For 24H Express Timer programming function, the program overlap warning display does not appear even if some programs overlap each other.*
● *In case of a power failure after programming, the recorder's memory backup keeps your selections (if the lithium battery is not exhausted).*

NUMBER

STOP+/–

DATE+/–

START+/–

PR +/–

SP/LP/EP

OK

PUSH JOG
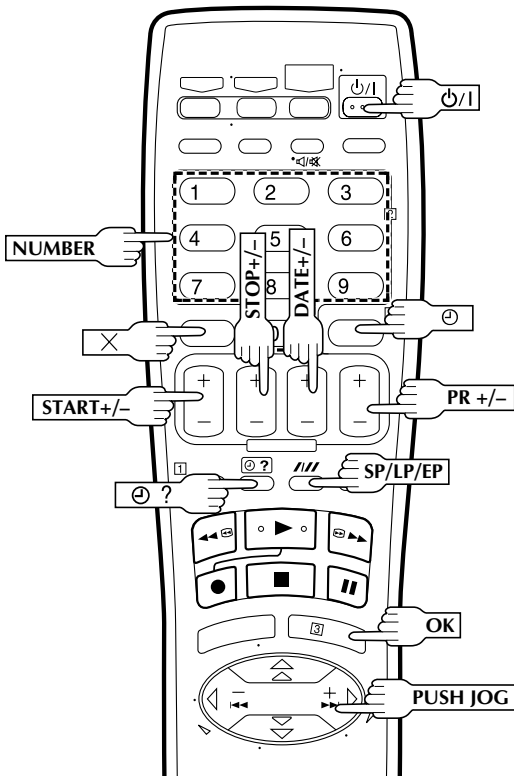
Check, Cancel And Replace Programmes

1 DISENGAGE TIMER MODE

Press ⏱, then press ⏻/l.

2 ACCESS PROGRAMME CHECK SCREEN

Press ⏱?.

```
PR  START  STOP   CH   DATE
1    8:00  10:00   3   24.12
2   10:00  10:45   2   25.12
3   11:30  13:00   1   25.12
4
5
6
7
8
[⏱?] : NEXT
```

3 ACCESS PROGRAMME SCREEN

Press ⏱? again to check more information. Each time you press ⏱?, the next programme's information appears.

```
        – P1 –
START           STOP
 8:00     →     10:00

                 SP

DATE            TV PROG
24:12              3
[1]: TITLE
[⏱?] : NEXT
```

To cancel or replace a programme...

4 CANCEL OR REPLACE A PROGRAMME

Press ✕ to cancel a programme. To replace a programme, press the appropriate button: **START+/–**, **STOP+/–**, **DATE+/–**, **PR+/–**, **SP/LP/EP** (**///**).

● If you do not want to edit the programme title, skip steps **5** and **6**.

5 ACCESS TITLE EDIT SCREEN

Press the **NUMBER** key "1". The Title Edit screen appears.

● You can access the title edit screen only when "PROG. NAVIGATION" is set to "ON". (☞ pg. 38).

```
        – P1 –

24.12    8:00   PR.3

[0–9] : SELECT LETTERS
[✕] : DELETE
[◀/▶] : CURSOR←→
⊙K : OK    [⏱?] : EXIT
```

6 ENTER PROGRAMME TITLE

Press the **NUMBER** keys and **PUSH JOG** ▷ to enter characters, then press **OK**. For details, refer to "Entering Character " on page 41.

```
        – P1 –

24.12      W ■

[0–9] : SELECT LETTERS
[✕] : DELETE
[◀/▶] : CURSOR←→
⊙K : OK    [⏱?] : EXIT
```

7 RETURN TO NORMAL SCREEN

Press ⏱? as many times as necessary. If there are still some programmes remaining, go on to step **8**.

8 RETURN TO TIMER MODE

Press ⏱.

When programmes overlap each other

If "PROGRAM OVERLAPPED" appears, you have another programme overlapping the programme you have just made. The Programme Check screen appears and conflicting programmes will start blinking.
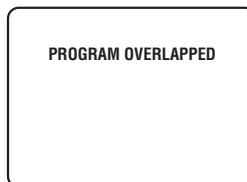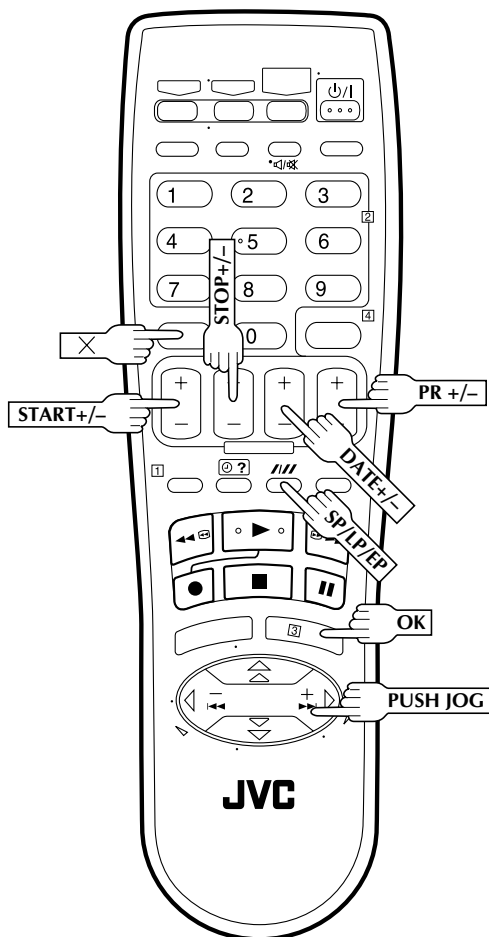
PR	START	STOP	CH	DATE
1	8:00	10:00	3	24.04
2	10:00	10:45	2	25.04
3	11:30	13:00	1	25.04
4	9:00	10:00	92	DAILY
5				
6				
7				
8				

PROGRAM OVERLAPPED

[▲/▼] → ⊙K   [PROG] : EXIT

Example: Programme 1 (you have just made) and Programme 4 overlap each other.

1 CONFIRM THE OVERLAPPING PROGRAMMES

Overlapping programmes blink on the TV screen.

2 SELECT THE PROGRAMME TO MODIFY

Press **PUSH JOG** △▽, then press **OK** or **PUSH JOG** ▷.

● You can only select one of the overlapping programmes.

NOTE:

*If you do not mind this overlap, press **PROG** to finish the timer programme setting. The programme with the lower programme number will be recorded and the other one will not be recorded correctly. If no changes are made for approximately 1 minute, the recorder will return to the normal screen.*

3 CANCEL OR CHANGE PROGRAMME SETTING

To cancel a programme, press ✕ when the Programme screen you do not want is shown. "PROGRAM COMPLETED" appears on the TV screen for about 5 seconds, then the normal screen appears.

To change a programme, press the appropriate button: **START+/–**, **STOP +/–**, **DATE+/–**, **PR+/–** and/or **SP/LP/EP** (▐▐▐) when the Programme screen on which you want to make changes is shown, then press **OK**. "PROGRAM COMPLETED" appears on the TV screen for about 5 seconds, then the normal screen appears.

NOTE:

If the overlap is not yet solved, or another overlap occurs with the timer programme setting after making the last correction on a programme, the conflicting programmes will be shown on the Programme Check screen again. Repeat the above steps again until the overlap is solved.

Auto SP→LP Timer

If, when timer-recording in SP mode, there is not enough tape to record the entire programme, the recorder automatically switches to LP mode (with PAL broadcasts) or EP mode (with NTSC broadcasts) to allow complete recording.

For Example . . .
Recording a PAL-broadcast programme of 210 minutes in length onto a 180-minute tape.

Approximately 150 minutes	Approximately 60 minutes
SP mode	LP mode
Total 210 minutes	

Make sure you set "AUTO SP→LP TIMER" to "ON" at the Function Set screen before the timer-recording starts.

1 ACCESS MAIN MENU SCREEN

Press **MENU**.

2 ACCESS FUNCTION SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "FUNCTION SET", then press **OK** or **PUSH JOG** ▷.

3 SELECT MODE

Press **PUSH JOG** △▽ to place the pointer next to "AUTO SP→LP TIMER", then press **OK** or **PUSH JOG** ▷ to select "ON".

```
              PREVIOUS PAGE
              PROG. NAVIGATION      ON
            ☞AUTO SP→LP TIMER       ON
              VIDEO STABILIZER     OFF
              S-VHS                 ON
              S-VHS ET             OFF

            [▲/▼] → ⊙K
            [MENU] : EXIT
```

4 RETURN TO NORMAL SCREEN

Press **MENU**.

NOTES:

● *If you have programmed the recorder to timer-record 2 or more programmes, the second programme and those thereafter may not fit on the tape if you set "AUTO SP→LP TIMER" to "ON". In this case, make sure the mode is not engaged, then set the tape speed manually during timer programming.*
● *In order to ensure that the recording fits on the tape, this feature may leave a slight non-recorded section at the end of the tape.*
● *There may be some noise and sound disturbance at the point on the tape where the recorder switches from SP to LP (or EP) mode.*
● *The Auto SP→LP Timer feature is not available during ITR (Instant Timer Recording), and the feature will not work properly with any tapes longer than E-180 or with some tapes of shorter lengths.*

Auto Timer

When the Auto Timer is set to ON the timer is automatically engaged when the recorder power is turned off and automatically disengaged when the recorder is powered back on.

1 ACCESS MAIN MENU SCREEN

Press **MENU**.

2 ACCESS FUNCTION SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "FUNCTION SET", then press **OK** or **PUSH JOG** ▷.

```
                   MAIN MENU

              PROGRAMME NAVIGATION
            ☞FUNCTION SET
              TUNER SET
              INITIAL SET

            [▲/▼] → ⊙K
            [MENU] : EXIT
```

3 SELECT MODE

Press **PUSH JOG** △▽ to place the pointer next to "AUTO TIMER", then press **OK** or **PUSH JOG** ▷ to select either "ON" or "OFF".

```
                 FUNCTION SET
            B. E. S. T.            ON
            PICTURE CONTROL      AUTO
            PAL/MESECAM          AUTO
            NTSC             NTSC3. 58
          ☞AUTO TIMER            ON
            O.S.D.                ON
            NEXT PAGE
            [▲/▼] → ⊙K
            [MENU] : EXIT
```

4 RETURN TO NORMAL SCREEN

Press **MENU**.

NOTE:

For safety, when Auto timer is set to "OFF", all other recorder functions are disabled while the Timer mode is engaged. To disengage the timer, press ⏲.

Automatic Satellite Program Recording

This facility allows you to automatically record a satellite program which is timer-programmed on your external satellite receiver. Connect a satellite receiver to the recorder's rear AUDIO/VIDEO IN connectors and program the timer on the satellite receiver; the recorder starts recording when the signals input from the satellite receiver to the rear AUDIO/VIDEO IN connectors, and when there is no input signals the recorder stops recording and the power shuts off.

Before performing the following steps:
• Program the timer on the satellite receiver.
• Insert a cassette with the safety tab in place.

---
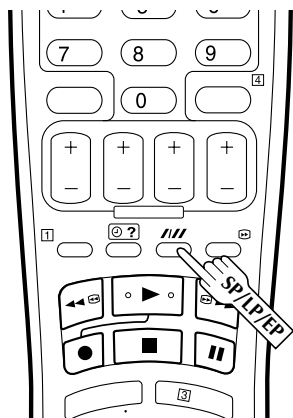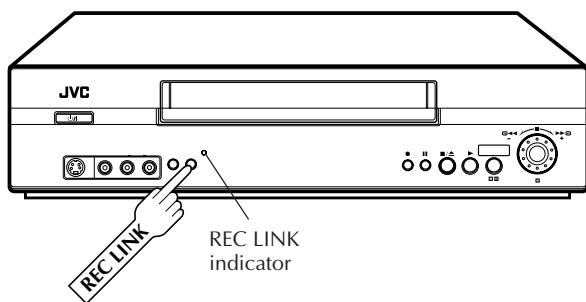
1 SET TAPE SPEED

Press **SP/LP/EP** to set the tape speed.

---

2 ENGAGE AUTO SATELLITE PROG REC MODE

Press and hold **REC LINK** for about 2 seconds. The REC LINK indicator lights up and the recorder turns off automatically.

● To disengage the Auto Satellite Prog Rec mode, press **REC LINK**. The REC LINK indicator goes off.
● If the recorder's power is off, it is not possible to engage the Auto Satellite Prog Rec mode.

REC LINK
REC LINK indicator

ATTENTION

● Be sure not to turn on the satellite receiver before the program is executed; otherwise, the recorder will start recording when the satellite receiver's power is turned on.
● If you have connected another appliance other than a satellite receiver to the rear AUDIO/VIDEO IN connectors, be sure not to engage the Auto Satellite Prog Rec mode; otherwise, the recorder will start recording when the connected appliance's power is turned on.
● Auto Satellite Prog recording and timer-recording cannot be done at the same time.

NOTES:

● *Auto Satellite Prog recording is only possible with the rear AUDIO/VIDEO IN connectors.*
● *When the Auto Satellite Prog Rec mode is engaged or the recorder's power is turned off after Auto Satellite Prog recording is finished, the recorder will not enter the Timer mode even though "AUTO TIMER" is set to "ON".*
● *For timer programming of the satellite receiver, refer to the instruction manual of the satellite receiver.*
● *Auto Satellite Prog recording is not possible if your satellite receiver does not have a timer.*
● *The REC LINK indicator blinks while Auto Satellite Prog recording is in progress.*
● *Pressing the recorder's ⏻/I button while Auto Satellite Prog recording is in progress turns off and recorder's power and disengages the Auto Satellite Prog Rec mode.*
● *If there is more than one satellite program you wish to record with Auto Satellite Prog Recording, it is not possible to set a different tape speed for each; the tape speed selected in step 1 will apply to all the programs for Auto Satellite Prog recording.*
● *The B.E.S.T. (☞ pg. 24) does not work while Auto Satellite Prog recording is in progress.*
● *Depending on the type of satellite receiver, the recorder may not record a short portion at the beginning of the program or may record slightly longer than the actual length of the program.*
● *If you engage the Auto Satellite Prog Rec mode when the satellite receiver's power is on, the recorder will not start Auto Satellite Prog recording even though the button's light blinks. When the satellite receiver shuts off once and is turned back on again, the recorder starts recording.*
● *You can also record a program from your cable system in the same way if the system has a timer and is connected to the recorder's rear AUDIO/VIDEO IN connectors.*
● *When you press the recorder's **REC LINK** button to engage the Auto Satellite Prog Rec mode, if the REC LINK indicator does not light but instead blinks quickly even though your satellite receiver's power is off, Auto Satellite Prog Recording will not work properly with that satellite receiver*.*
  If this is the case, perform "Express Timer Programming" (☞ pg. 30) to timer-record a satellite program.
  * Some satellite receivers output signals even if the power is off. Auto Satellite Prog Recording is not possible with those satellite receivers.
● *After Automatic Satellite Program Recording, the number of recorded programs will not be displayed on the front display panel for the instant Review function (☞ pg. 18).*

Navigation

When you record a TV programme with this recorder, the recorder automatically stores in its memory the recording date, start time and station name. You can store these information for up to 8 programmes on one cassette. At maximum, information for 10 tapes can be stored. You can also enter the programme title when performing "G-CODE/SHOWVIEW Timer Programming" (☞ pg. 28) or "Express Timer Programming" (☞ pg. 32). It is possible to store these information only when "PROG. NAVIGATION" is set to "ON" (default setting).

When inserting a cassette with the record safety tab intact...

| CHECKING TAPE DATA | **The recorder checks the tape information for the Programme Navigation.** |
| REMAIN [3] | If the recorder can store the information for 3 or less tapes, "REMAIN[_]" also appears on the TV screen. |

| CHECKING TAPE DATA | **If the recorder has already stored the information for 10 tapes, "MEMORY FULL" appears.** |
| MEMORY FULL | If you perform new recording, the oldest tape information will be deleted from the recorder's memory. |

| NO TAPE DATA DETECTED | **If the recorder cannot detect the tape information, "NO TAPE DATA DETECTED" appears.** |

NOTE:
If you press any button while "CHECKING TAPE DATA" appears on the TV screen, the operation is canceled.

When inserting a cassette whose record safety tab has been removed ...

Playback begins automatically.
You can use Navigation Playback (☞ right column), but you cannot edit programme title or delete tape data (☞ pg. 40, 41).

Turn on the TV and select the VIDEO channel (or AV mode).

Navigation Playback

This function is useful when you wish to quickly find out what programmes you have recorded on a tape with this recorder. This function allows you to select a programme to watch, and then automatically searches for the start of the programme.

1
LOAD A RECORDED CASSETTE
Insert a cassette recorded on this recorder.

2
ACCESS MAIN MENU SCREEN
Press **MENU**.

3
ACCESS PROGRAMME NAVIGATION SCREEN
Press **PUSH JOG** △▽ to place the pointer next to "PROGRAMME NAVIGATION", then press **OK** or **PUSH JOG** ▷.

```
            MAIN MENU

☞ PROGRAMME NAVIGATION
   FUNCTION SET
   TUNER SET
   INITIAL SET


[▲/▼] → ◯K
[MENU] : EXIT
```

4
SELECT A PROGRAMME
Press **PUSH JOG** △▽ to place the pointer next to the programme you want to watch.

```
   14.06.00   22 : 00      PR.29
   --.--.--   -- : --      PR.  7
☞ 27.02.99   22 : 00      F-1
   25.12.00   WORLD CUP


[▲/▼] → ◯K        [1]: TITLE
[✕] : DELETE      [MENU] : EXIT
```

5
START PLAYBACK
Press **OK**. "SEARCHING" appears on the TV screen. Playback begins automatically after the selected programme is located.
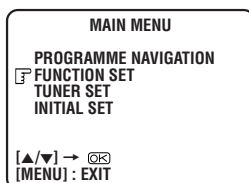
Turn Off Navigation

If you don't want to record information on the programmes, set "PROG. NAVIGATION" to "OFF".
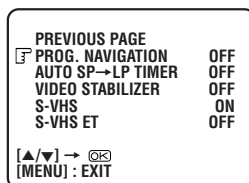
1 ACCESS MAIN MENU SCREEN

Press **MENU**.

2 ACCESS FUNCTION SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "FUNCTION SET", then press **OK** or **PUSH JOG** ▷.

```
          MAIN MENU

      PROGRAMME NAVIGATION
   ☞ FUNCTION SET
      TUNER SET
      INITIAL SET


   [▲/▼] → ◎K
   [MENU] : EXIT
```

3 SELECT PROG. NAVIGATION MODE
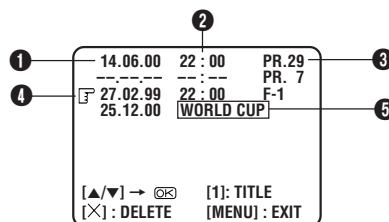
Press **PUSH JOG** △▽ to place the pointer next to "PROG. NAVIGATION", then press **OK** or **PUSH JOG** ▷ to select "OFF".

```
      PREVIOUS PAGE
   ☞ PROG. NAVIGATION      OFF
      AUTO SP→LP TIMER      OFF
      VIDEO STABILIZER      OFF
      S-VHS                 ON
      S-VHS ET              OFF

   [▲/▼] → ◎K
   [MENU] : EXIT
```

4 RETURN TO NORMAL SCREEN

Press **MENU**.

Programme Navigation Screen

```
               ❷
   ❶ ─ 14.06.00  22 : 00    PR.29 ─ ❸
       --.--.--   -- : --    PR.  7
   ❹ ─ ☞ 27.02.99  22 : 00    F-1
       25.12.00  │WORLD CUP│        ─ ❺



   [▲/▼] → ◎K    [1]: TITLE
   [✕] : DELETE  [MENU] : EXIT
```

❶ Recording date
❷ Recording start time*
❸ Station name*
   * After entering the programme title (☞ pg. 40), programme title appears instead of the recording start time and station name.
❹ Currently selected programme
❺ Programme title*
   * Before entering the programme title (☞ pg. 40), recording start time and station name appear instead of the programme title.

NOTES:

● *You cannot edit programme title or delete tape data for the cassette with the record safety tab removed.*
● *Programme Navigation is possible with the cassettes recorded with this recorder only.*
● *Before recording, make sure the recorder's clock is set correctly.*
● *To record the programme information in this recorder's memory, you must continue to record each programme for over the minimum recording time;*
   PAL
   8 minutes for the SP mode
   15 minutes for the LP mode
   23 minutes for the EP mode
   NTSC
   5 minutes for the SP mode
   15 minutes for the EP mode.
● *Programme Navigation may not work properly depending on the tape being used.*
● *The programme information is stored in this recorder's memory. If the memory in this recorder should ever be damaged and the programme information lost, it is impossible to restore that information.*
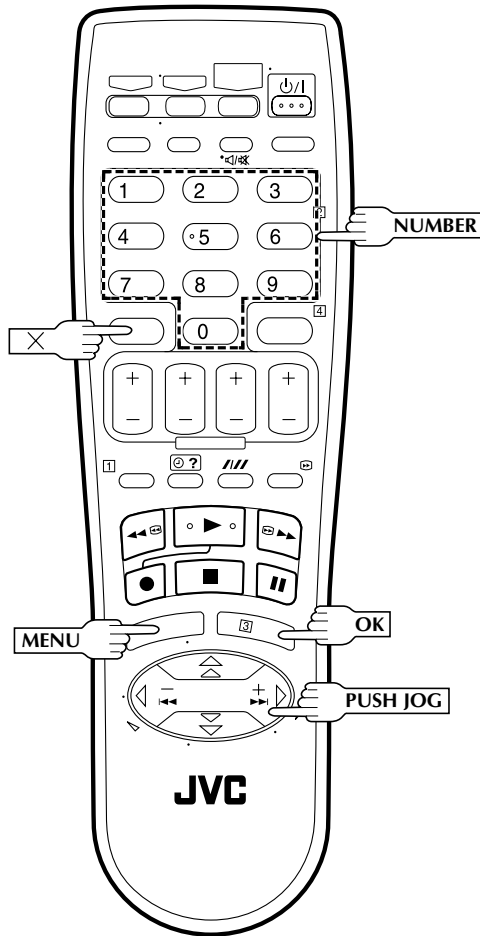
Edit Programme Title

You can edit the the programme titles as you like.

Perform steps **1** to **3** of "Navigation Playback" on page 38 before continuing.

1 SELECT PROGRAMME

Press **PUSH JOG** △▽ to place the pointer next to the programme you want to edit.

```
14.06.00   22 : 00     PR.29
--.--.--   -- : --     PR.  7
27.02.99   22 : 00     F-1
25.12.00   WORLD CUP
```
```
[▲/▼] → ⊙K      [1]: TITLE
[✕] : DELETE     [MENU] : EXIT
```

2 ACCESS TITLE EDIT SCREEN

Press the **NUMBER** key "1". The Title Edit screen appears.

```
            – P1 –

27.02     22:00   F-1
```
```
[0–9] : SELECT LETTERS
[✕] : DELETE
[◄/►] : CURSOR←→
⊙K : OK      [MENU] : EXIT
```

3 ENTER PROGRAMME TITLE

Press the **NUMBER** keys and **PUSH JOG** ▷ to enter characters, then press **OK**. For details, refer to "Entering Character" on page 41.

```
            – P1 –

27.02     W ■
```
```
[0–9] : SELECT LETTERS
[✕] : DELETE
[◄/►] : CURSOR←→
⊙K : OK      [MENU] : EXIT
```

4 RETURN TO NORMAL SCREEN

Press **MENU**.

NUMBER

MENU

OK

PUSH JOG

JVC

Entering Character

Press the appropriate **NUMBER** key, then press **PUSU JOG** ▷ to enter each character.

Refer to the example below.

(Example) Enter "JVC NEWS"

1. Press 5 (JKL) once to enter "J", then press **PUSH JOG** ▷.
2. Press 8 (TUV) three times to enter "V", then press **PUSH JOG** ▷.
3. Press 2 (ABC) three times to enter "C", then press **PUSH JOG** ▷.
4. Press 0 (␣) twice to enter "␣ (space)", then press **PUSH JOG** ▷.
5. Press 6 (MNO) twice to enter "N", then press **PUSH JOG** ▷.
6. Press 3 (DEF) twice to enter "E", then press **PUSH JOG** ▷.
7. Press 9 (WXYZ) once to enter "W", then press **PUSH JOG** ▷.
8. Press 7 (PQRS) four times to enter "S", then press **PUSH JOG** ▷.

NUMBER KEY	CHARACTER
1	. , / − + * ( ) 1
2	A B C 2
3	D E F 3
4	G H I 4
5	J K L 5
6	M N O 6
7	P Q R S 7
8	T U V 8
9	W X Y Z 9
0	0 ␣

NOTES:
- *If you make a mistake, press **PUSH JOG** ◁ ▷ to select the character, then enter the correct character.*
- *If you want to delete a character, press **PUSH JOG** ◁ ▷ to select the character, then press ✕.*

Delete Tape Data

Perform steps **1** to **3** of "Navigation Playback" on page 38 before continuing.

1

DELETE TAPE DATA

Press ✕ for more than 3 second. All the programme data on the tape are deleted, then normal screen appears.

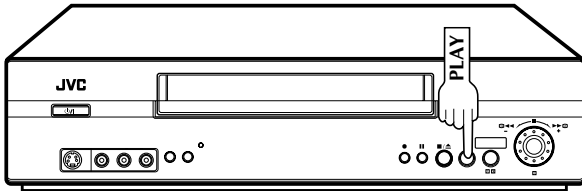- It is impossible to delete each programme information.

```
14.06.00   22 : 00      PR.29
--.--.--   -- : --      PR.  7
27.02.99   22 : 00      F-1
25.12.00   WORLD CUP

[▲/▼] → OK      [1]: TITLE
[✕] : DELETE    [MENU] : EXIT
```

NOTE:
When you delete the tape data, only the tape information is deleted from the recorder's memory. The actual recording on the tape is not erased.

Remote Control Functions

Remote A/B Code Switching

The remote control is capable of controlling two JVC video recorders independently; one set to respond to the remote control's A code control signals and another set to respond to B code control signals. The remote control is preset to send A code signals because your video recorder is initially set to respond to A code signals. You can easily modify your video recorder to respond to B code signals.

1
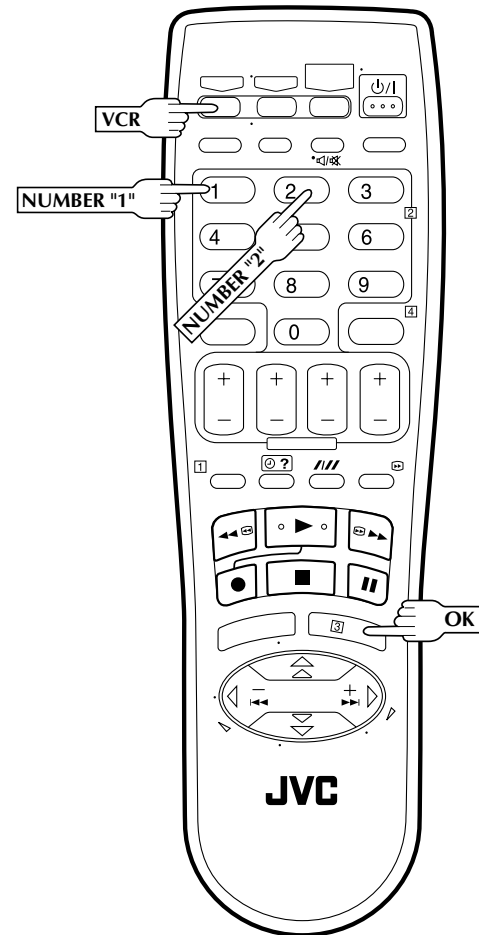
SET REMOTE CONTROL CODE FOR REMOTE CONTROL

1　Press and hold **VCR**.

2　Press the **NUMBER** key "2".

3　Press **OK**, and release **VCR**.

● The remote control now can transmit B code control signals.

2

CHECK REMOTE CONTROL CODE FOR RECORDER

Press and hold **PLAY** on the recorder for more than 5 seconds while the recorder is turned off. The code currently set appears on the display panel.

3

CHANGE CODE FOR RECORDER

Press any key on the remote control. The recorder now responds to B code control signals.
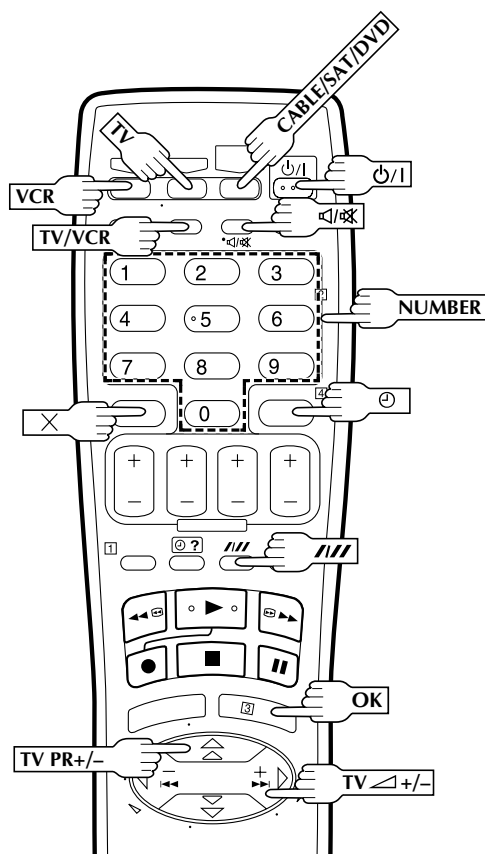
To control two recorders with the same remote control

You can control two JVC recorders by switching the remote control code for the remote control between A and B (☞ step **1**), keeping two recorders to different control codes.

● To change only the remote control code for the remote control, DO NOT perform steps **2** and **3**.

NOTE:

*To set the recorder back to respond to A code signals, repeat the same procedure as shown above except pressing **NUMBER** key "1" instead of "2" in step 2 of **1**.*

TV Multi-brand Remote Control

Your remote control can operate the basic functions of your TV set. In addition to JVC TVs, other manufacturer's TVs can also be controlled.

1 TURN ON TV

Turn on the TV using the Power button on the TV or its remote control.

2 SET TV BRAND CODE

1. Press and hold **TV**.

2. Press the **NUMBER** keys to enter your unit's brand code.

3. Press **OK**, and release **TV**. Check if the TV's power goes off as it should. If it does, try other operations (☞ step **2**).

● Once you have set the remote control to operate the TV, you don't have to repeat this step until you replace your remote control's batteries.
● Some TV brands have more than one code. If the TV does not function with one code, try entering another.

3 OPERATE TV

First, press **TV** to set the remote control to TV mode, then press one of the following buttons: ⏻/I, **TV/VCR**, **TV PR+/–**, ⊄/⊠ (TV Muting), **TV ⊿ +/–** (TV volume), and the **NUMBER** keys.

● For some brands, you must press **OK** after having pressed the **NUMBER** keys to enter a channel number.

IMPORTANT

Although the provided remote control unit is compatible with JVC televisions, as well as many other models, it may not work with your TV, or in some instances, may have limited function capability.

TV BRAND NAME	CODE
JVC	01, 23, 24, 25
AIWA	36
BEIJING	22
CCE	02
CHANGHONG	34
DAEWOO	17, 37
FERGUSON	27
FINLUX	30
FUNAI	32
GRADIENTE	15
GRUNDIG	19
HITACHI	10
ITT	28
JINXING	38
KONKA	40
LG/GOLDSTAR	18
MITSUBISHI	03
MIVER	29
NEC	20
NOBLEX	22
NOKIA	31
PANASONIC	04, 11
PEONY	34, 38, 39
PHILICO	10, 17, 21
PHILIPS	02, 42
SAMSUNG	12, 33, 34, 35
SANYO	13, 16
SHARP	06
SONY	07
TCL	41
THOMSON	26
TOSHIBA	08, 14
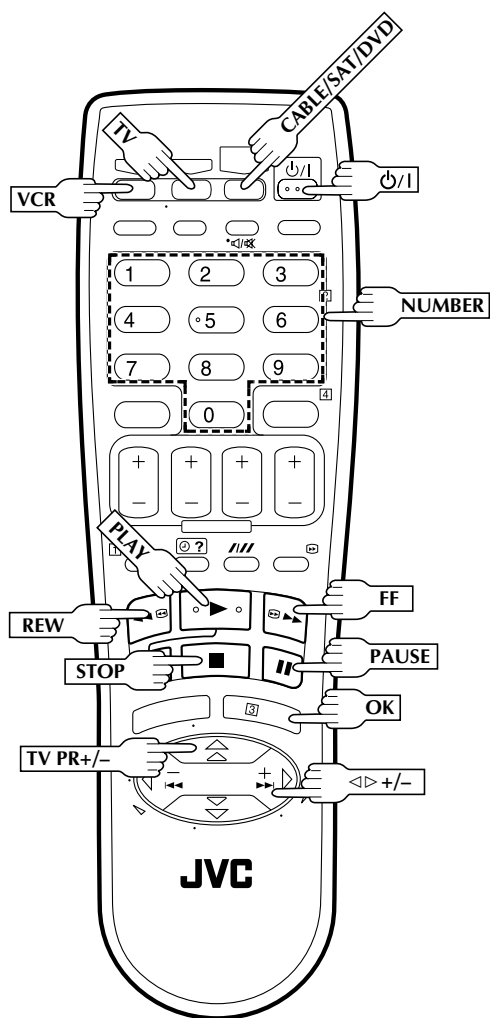
ATTENTION

The remote control can operate not only the video recorder but also some of your TV, cable box, satellite receiver and DVD.
● To operate your video recorder, first press the **VCR** button to set the remote control to the Video mode.
● To operate your TV, first press the **TV** button to set the remote control to the TV mode.
● To operate your satellite receiver, cable box or DVD, first press the **CABLE/SAT/DVD** to set the remote control to the satellite receiver, cable box or DVD mode.

Control Your TV Using Additional Buttons

Use the **NUMBER** keys, and the **/// ** button, ✕ button or ⏱ button to select the TV's channel.
● With televisions under Code 01, 02, 07, 08, 10, 11, 14, 20, 22, 23, 24, 25, 27, 33, 35, 38, 40 or 42, the **/// ** button corresponds to the 1-digit/2-digit entry switching button (often labelled – /– –) of your TV's remote control.
● With televisions under Code 01, 16, 28, 29, 34 or 39, the ✕ button corresponds to the 10 + button, and the ⏱ button corresponds to the 20 + button of your TV's remote control.

NOTE:

The way these buttons are used is determined by your TV. Use these buttons as instructed for your TV's remote control.

Multi-brand Remote Control

For satellite receiver, cable box and DVD

Your remote control can operate the basic functions of your satellite receiver, cable box or DVD.

1

TURN ON UNIT

Turn on the cable box, satellite receiver or DVD using the Power button on the unit or its remote control.

2

SET BRAND CODE

1 Press and hold **CABLE/SAT/DVD**.

2 Press the **NUMBER** keys to enter your unit's brand code.

3 Press **OK**, and release **CABLE/SAT/DVD**. Check if the unit's power goes off as it should. If it does, try other operations (☞ step **2**).

● Once you have set the remote control to operate the unit, you don't have to repeat this step until you replace your remote control's batteries.
● Some brands have more than one code. If the unit does not function with one code, try entering another.

3

OPERATE UNIT

First, press **CABLE/SAT/DVD** to set the remote control to cable box, satellite receiver or DVD mode, then press one of the following buttons:

For satellite receiver and cable box . . .

Φ/I, **TV PR +/–**, **NUMBER** keys.

For DVD. . .

Φ/I, **PLAY**, **STOP**, **PAUSE**, **FF**, **REW**, ◁ ▷ (I◀◀▶▶I) keys.

● For some brands, you must press **OK** after having pressed the **NUMBER** keys to enter a channel number.
● To change the unit's channels, press **TV PR+/–** or the **NUMBER** keys. (The **PR+/–** button can be used to change the recorder's channels only.)

IMPORTANT

Although the provided remote control unit is compatible with JVC satelite receiver and DVD, as well as many other models, it may not work with your unit, or in some instances, may have limited function capability.

NOTES:

● *It's not possible to set the two units at the same time. You can only set the remote control to operate one of these units at a time.*
● *You have to subscribe to a satellite or cable service to receive satellite or cable channels.*

ATTENTION

The remote control can operate not only the video recorder but also some of your TV, cable box, satellite receiver and DVD.
● To operate your video recorder, first press the **VCR** button to set the remote control to the Video mode.
● To operate your TV, first press the **TV** button to set the remote control to the TV mode.
● To operate your satellite receiver, cable box or DVD, first press the **CABLE/SAT/DVD** to set the remote control to the satellite receiver, cable box or DVD mode.

Cable Box or Satellite Receiver Multi-brand Code

CABLE BOX BRAND NAME	CODE
JVC	72, 73
AMSTRAD	60, 61, 62, 63, 92
BT	72
CANAL+	81
CANAL SATELLITE	81
D-box	85
ECHOSTAR	51, 78, 79, 80, 82
FINLUX	68
GALAXIS	69, 88
GRUNDIG	64, 65
HIRSCHMANN	64
ITT	68
JERROLD	01, 04, 06, 11, 12, 15, 28, 75
KATHREIN	70, 71
LUXOR	68
MASPRO	70
NOKIA	68, 87
PACE	67, 86, 92
PANASONIC	13, 14, 74
PFT	69
PHILIPS	66, 84
PHONOTREND	69
SALORA	68
SKYMASTER	69
TPS	83
VIDEOWAY	03, 09, 22, 76, 77
WISI	64

DVD Multi-brand Code

DVD BRAND NAME	CODE
JVC	55
PANASONIC	58
PHILIPS	56
TOSHIBA	57

Connecting/ Using A Stereo System

These instructions enable you to connect your video recorder to your Hi-Fi stereo system (if you have one) and listen to the soundtrack through the stereo.

FM Tuner

CD Player

Stereo Amplifier

AUX IN or TAPE MONITOR

Audio Cable (not provided)

Speaker   Television   Speaker

Mains outlet

OUT   IN(S-1)
S VIDEO

VIDEO
ANT. IN

PAUSE   (MONO)   AUDIO

OUT   IN   RF OUT

Rear View
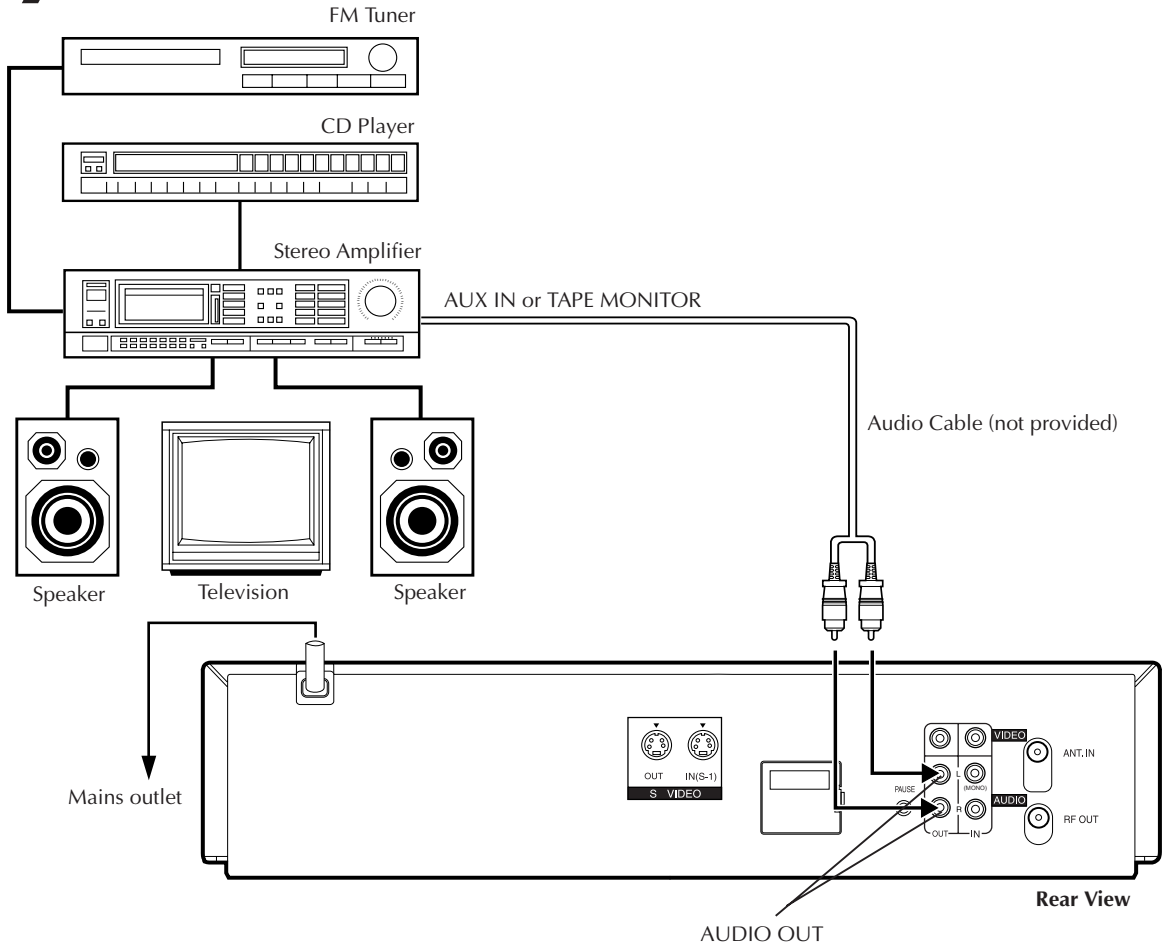
AUDIO OUT

1 MAKE CONNECTIONS

Connect the AUDIO OUT L and R connectors on your video recorder to the AUX IN or TAPE MONITOR terminals on your stereo system's receiver or amplifier.

NOTES:

● *When connecting your recorder's audio output connectors to a stereo amplifier, make sure you connect L and R correctly.*
● *If stereo or bilingual TV broadcasts are receivable in your area, this recorder can record them independently of the TV set and play them back through the connected stereo system.*
● *When listening to sound through the connected stereo system, turn the TV's volume down completely.*

CAUTIONS:

● This recorder has a dynamic range of more than 80 dB with regards to its Hi-Fi audio capability. It is recommended that you check the maximum level if you are going to listen to the Hi-Fi audio signals through a stereo amplifier. A sudden surge in the input level to the speakers may damage them.
● Some speakers and televisions are specially shielded to prevent television interference. If both are of the non-shielded type, do not place the speakers adjacent to the TV set as this can adversely affect the video playback picture.

Preparation For Editing

Turn on the TV and select the VIDEO channel (or AV mode).
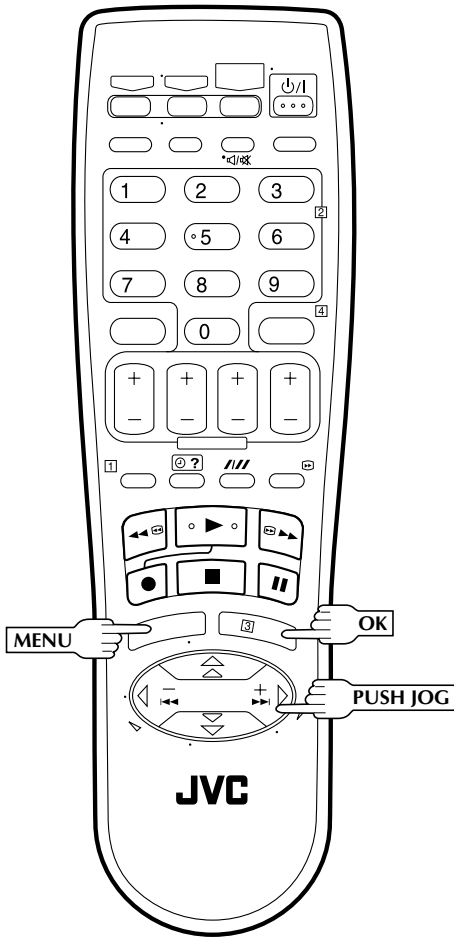
Advantages Of S-VHS Video Recorders

You can edit from VHS to S-VHS, from S-VHS to VHS, or, from S-VHS to S-VHS.
● From VHS to S-VHS: Record VHS playback signals in the S-VHS mode. Although the picture quality is inherently limited by that of the original, the edited tape has better picture quality than those made by VHS-to-VHS editing.
● From S-VHS to VHS: Because the picture quality of the source material is very high, the edited tape has better picture quality than those made by VHS-to-VHS editing.
● From S-VHS to S-VHS: All signals will be transferred without degradation.

Picture Control

This feature helps you to adjust the playback picture quality according to your preference. *The default setting is "AUTO."

1 ### ACCESS MAIN NENU SCREEN
Press **MENU**.

2 ### ACCESS FUNCTION SET SCREEN
Place the pointer next to "FUNCTION SET" by pressing **PUSH JOG** △▽, then press **OK** or **PUSH JOG** ▷.

3 ### SELECT PICTURE CONTROL SET MODE
Place the pointer next to "PICTURE CONTROL" by pressing **PUSH JOG** △▽, then press **OK** or **PUSH JOG** ▷ to select the desired mode.

```
        FUNCTION SET
B. E. S. T.              ON
PICTURE CONTROL        AUTO
PAL/MESECAM           AUTO
NTSC              NTSC3. 58
AUTO TIMER              OFF
O. S. D.                 ON
NEXT PAGE
[▲/▼] → ⊙Ⓧ
[MENU] : EXIT
```

AUTO*: Normally select "AUTO."
It automatically adjusts the picture quality.
* When the B.E.S.T. function is set to "OFF" (☞ pg. 24), you can only select "NORM" instead of "AUTO."
EDIT: Select when you dub tapes.
SOFT: Select when you want to soften the picture.
SHARP: Select when you want to sharpen the picture.

NOTES:
● *When you select "EDIT", "SHARP" or "SOFT", the selected mode will not change until you select again.*
● *When you select "EDIT" to dub tapes, be sure to select "AUTO" (or "NORM" when the B.E.S.T. function is set to "OFF") after you finish dubbing the tapes.*
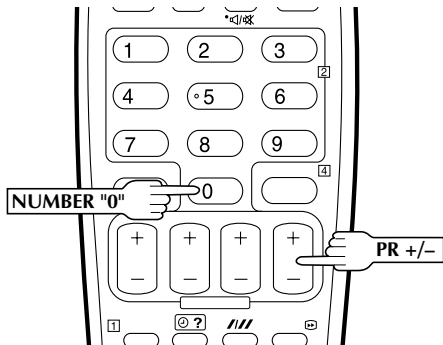
4 ### RETURN TO NORMAL SCREEN
Press **MENU**.

NOTE:
Select EDIT when you are dubbing tapes. Refer to page 48, 49.

Edit From A Camcorder

NOTES:
● *All necessary cables can be obtained from your dealer.*
● *You can also use another video recorder as the player instead of a camcorder.*
● *When you select "EDIT" to dub tapes, be sure to select "AUTO" (or "NORM" when the B.E.S.T. function is set to "OFF") after you finish dubbing the tapes (☞ pg. 47).*

IMPORTANT:
● To edit, both the player and the recorder must be of the same colour system. Select the appropriate colour system (☞ pg. 52).
● PAL, SECAM and NTSC camcorders can be used as a player for editing.
● For more information on multi-system compatibility, ☞ pg. 52.

You can use a camcorder as the source player and your video recorder as the recorder.

1 ## MAKE CONNECTIONS
Ⓐ *If the camcorder has no S-VIDEO output connector...*
... connect the camcorder's AUDIO/VIDEO OUT connectors to the recorder's front panel AUDIO/ VIDEO input connectors.
Ⓑ *If the camcorder has an S-VIDEO output connector...*
... connect the camcorder's S-VIDEO OUT and AUDIO OUT connectors to the recorder's front panel S-VIDEO(S-2) and AUDIO input connectors. The recorder's rear panel S-VIDEO IN and AUDIO IN input connectors are also available.

● When using a monaural camcorder, connect its AUDIO OUT connector to the AUDIO L input connector on your recorder.
● When a Master Edit Control-equipped JVC camcorder is used, the camcorder is capable of controlling the recorder. Refer to the camcorder's instruction manual for operating procedure.

2 ## SET RECORDER'S INPUT MODE
Press **NUMBER** key "0" and/or **PR +/−** to select "F-1" for the AUDIO/VIDEO input connectors, or "S-2" for the AUDIO/S-VIDEO input connectors, depending on the connectors being used.

3 ## SELECT "EDIT" FOR PICTURE CONTROL SET MODE
Follow the "Picture Control" section on page 47, then select "EDIT."
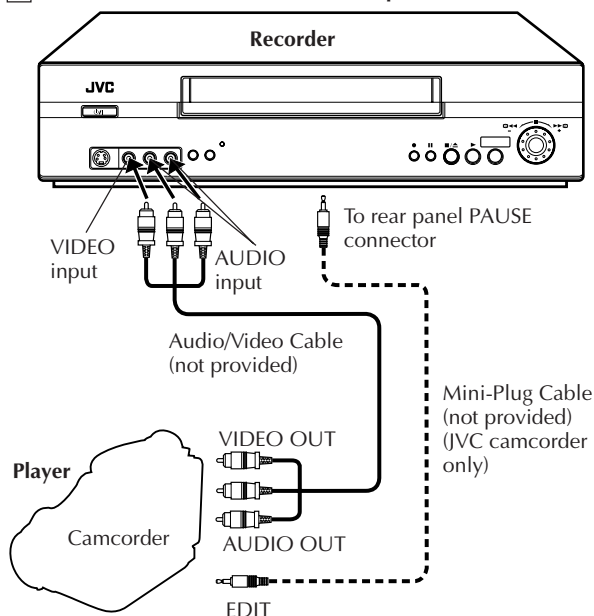
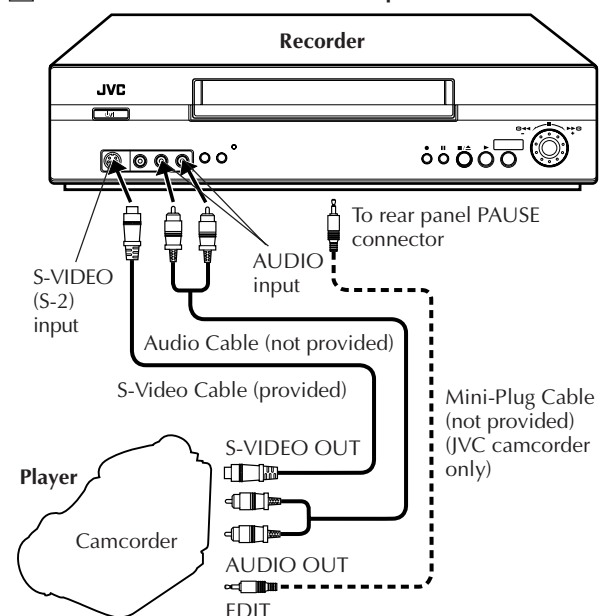**4** ## START CAMCORDER
Engage its Play mode.

5 ## START RECORDER
Engage its Record mode.

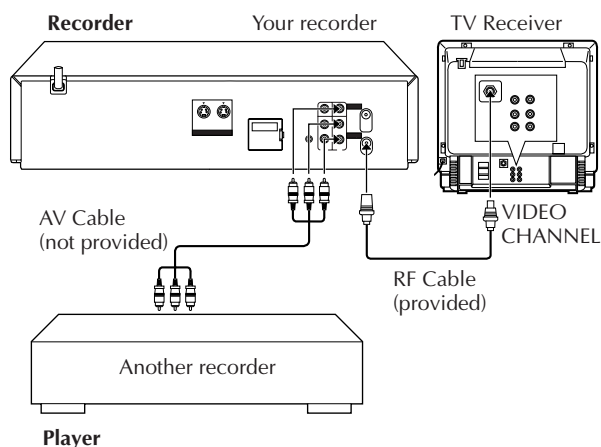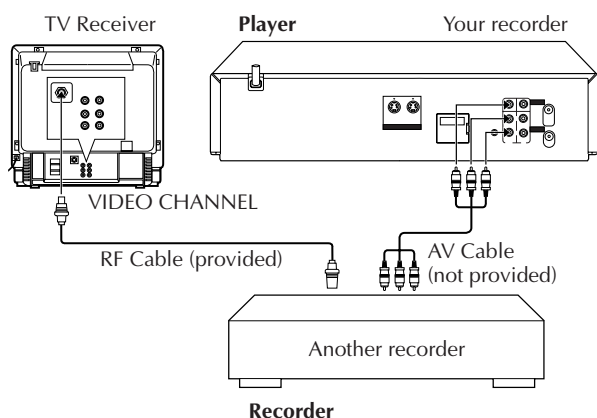---

Ⓐ **If the camcorder has no S-VIDEO output connector...**

Recorder

To rear panel PAUSE connector

VIDEO input

AUDIO input

Audio/Video Cable (not provided)

Mini-Plug Cable (not provided) (JVC camcorder only)

VIDEO OUT

Player

Camcorder

AUDIO OUT

EDIT

Ⓑ **If the camcorder has an S-VIDEO output connector...**

Recorder

To rear panel PAUSE connector

S-VIDEO (S-2) input

AUDIO input

Audio Cable (not provided)

S-Video Cable (provided)

Mini-Plug Cable (not provided) (JVC camcorder only)

S-VIDEO OUT

Player

Camcorder

AUDIO OUT

EDIT

Edit To Or From Another Video Recorder

You can use your video recorder as the source player or the recording deck.

1 MAKE CONNECTIONS

Connect the player's AUDIO/VIDEO OUT connector to the recorder's AUDIO/VIDEO IN connector.

● Use the L connector for monaural connection.

2 SET RECORDING DECK'S INPUT MODE

Set to AUX. With this video recorder, press **NUMBER** key "0" and/or **PR +/–** to select depending on the connector being used — "L-1" for the rear panel VIDEO/AUDIO input connectors, or "F-1" for the front panel VIDEO/AUDIO input connectors.

3 SELECT "EDIT" FOR PICTURE CONTROL SET MODE

Follow the "Picture Control" section on page 47, then select "EDIT."

4 START SOURCE PLAYER

Engage its Play mode.

5 START RECORDING DECK

Engage its Record mode.

TV Receiver   **Player**   Your recorder

VIDEO CHANNEL

RF Cable (provided)

AV Cable (not provided)

Another recorder

Recorder

Recorder   Your recorder   TV Receiver

AV Cable (not provided)

VIDEO CHANNEL

RF Cable (provided)

Another recorder

Player

NOTES:

● *When you use this recorder as the player for editing, be sure to set "O.S.D." to "OFF" before starting (☞ pg. 10).*
● *All necessary cables can be obtained from your dealer.*
● *NTSC tapes being played back in the "NTSC → PAL" mode (☞ pg. 52) cannot be dubbed to another recorder.*
● *When you dub an NTSC tape using your recorder as the playback deck, select "NTSC 3.58" (or "NTSC 4.43") for "NTSC" setting (☞ pg. 52).*
● *When you select "EDIT" to dub tapes, be sure to select "AUTO" (or "NORM" when the B.E.S.T. function is set to "OFF") after you finish dubbing the tapes (☞ pg. 47).*
● *If you are using another recorder with S-Video and Audio input/output connectors, you can connect those connectors to this recorder's S-VIDEO IN/S VIDEO OUT and AUDIO IN/OUT connectors.*
   When Using Your Video Recorder As The Source Player ...
   ... connect its rear panel S VIDEO OUT and AUDIO OUT connectors to the recording deck's S-Video and Audio input connectors.
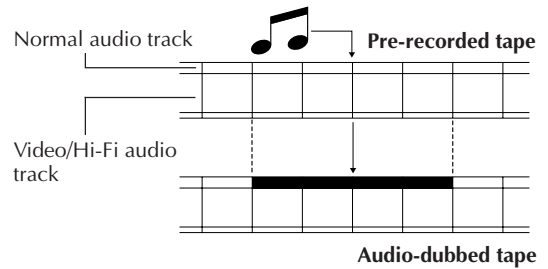   *When Using Your Video Recorder As The Recording Deck ...*
   ... connect its front panel S-VIDEO and AUDIO input connectors to the source player's S-Video and Audio output connectors. Then, set the recorder's input mode to "S-1".

IMPORTANT:
● To edit, both the player and the recorder must be of the same colour system. Select the appropriate colour system. (☞ pg. 52)
● For more information on multi-system compatibility, ☞ pg. 52.

Audio Dubbing

Audio dubbing replaces the normal audio sound of a previously recorded tape with a new soundtrack.

Normal audio track — **Pre-recorded tape**

Video/Hi-Fi audio track

Audio-dubbed tape

CD Player etc.

Mixer output

Audio mixer

Original sound

AUDIO OUT

CD Player etc.

AUDIO

NUMBER "0"

PR +/–

PLAY

PAUSE

1 MAKE CONNECTIONS

Connect an audio component to the AUDIO L + R connectors on the recorder's front panel.

● When connecting monaural equipment, use only the recorder's AUDIO L connector.

2 SET INPUT MODE

Press **NUMBER** key "0" and/or **PR +/–** so that "F-1" appears in place of a channel number.

3 LOCATE START POINT

Press **PLAY** to start playback of the tape in your recorder, and press **PAUSE** when you find the point where you want to start dubbing.

4 ENGAGE AUDIO DUBBING

Press **A. DUB**.

● Your recorder enters the Audio Dubbing Pause mode. ("○" blinks, "▷" and "▓" light up on the front display panel.)
● To perform audio dubbing with audio mixing, press **AUDIO** on the remote control to select "▷◁ (L+R)" at this point.
  * Audio dubbing with audio mixing is not possible if you're using a monaural audio component, or if you don't have an audio mixer.
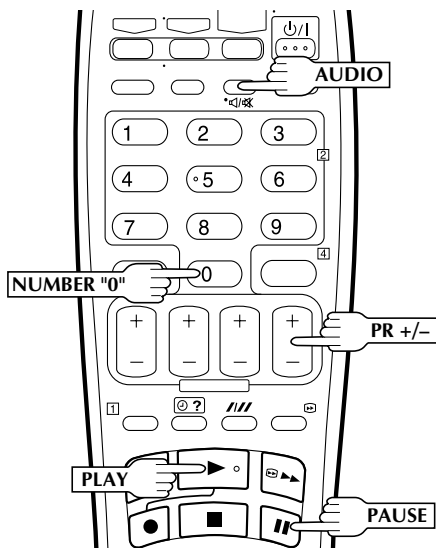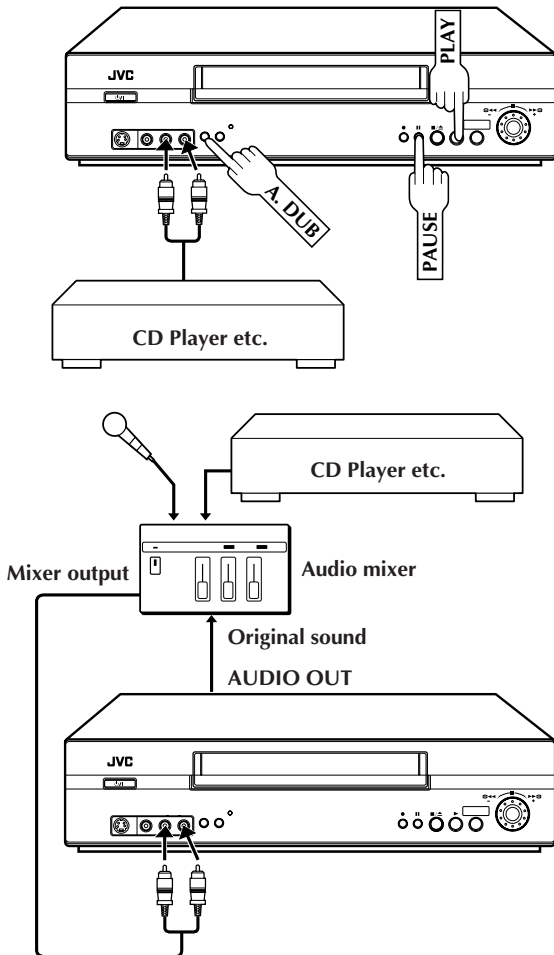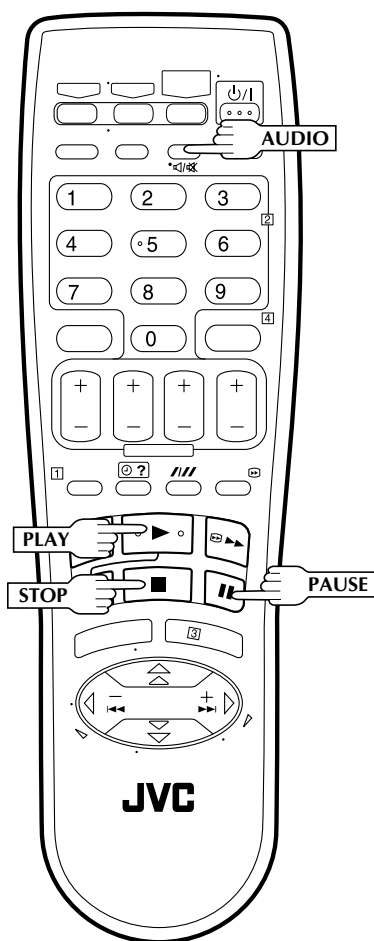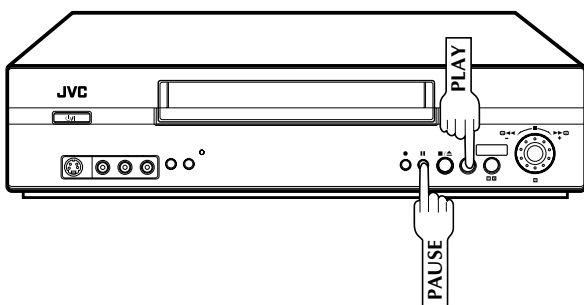
5 START DUBBING

Engage the audio component's Play mode, then press **PLAY** to start the tape in your recorder. Audio dubbing begins at this point.

● "○" blinks and "▷" is displayed on the front display panel.
● To stop dubbing temporarily, press **PAUSE**. Press **PLAY** to resume dubbing.

6 END AUDIO DUBBING

Press **STOP** to stop the tape in your recorder, and engage the audio component's Stop mode.

NOTES:

● *When monitoring the sound during Audio Dubbing, the normal soundtrack is automatically selected. If you wish to hear the mixed sound (Hi-Fi + Normal soundtracks), press **AUDIO** on the remote control to select "▷ NORM ◁ (HI FI + NORM)" (☞ pg. 18).*
● *Audio dubbing stops automatically when the counter reaches "0:00:00", and the recorder enters the Play mode. Check the counter reading before dubbing.*
● *Audio dubbing is also possible using the rear panel AUDIO IN L + R connectors. When using these connectors, make sure to select the correct input mode in step **2**.*
● *Audio dubbing cannot be performed on a cassette that has had its record safety tab removed.*
● *When playing back an audio-dubbed tape, press **AUDIO** on the remote control to select the soundtrack you wish to hear (☞ pg. 18).*

PAL/MESECAM Recording and Playback

Select the appropriate colour system for recording or playback.

1 ACCESS MAIN MENU SCREEN
Press **MENU**.

2 ACCESS FUNCTION SET SCREEN
Press **PUSH JOG** △▽ to place the pointer next to "FUNCTION SET", then press **OK** or **PUSH JOG** ▷.

```
        MAIN MENU

  PROGRAMME NAVIGATION
☞ FUNCTION SET
  TUNER SET
  INITIAL SET


[▲/▼] → ⌨
[MENU] : EXIT
```

3 SELECT PAL/MESECAM MODE
Press **PUSH JOG** △▽ to place the pointer next to "PAL/MESECAM", then press **OK** or **PUSH JOG** ▷ to select the desired mode.
AUTO: Usually set to this mode. The appropriate colour system (PAL or MESECAM) will be selected depending on the playback or recording signals.

```
        FUNCTION SET
  B. E. S. T.          ON
  PICTURE CONTROL    AUTO
☞ PAL/MESECAM        AUTO
  NTSC           NTSC3. 58
  AUTO TIMER          OFF
  O.S.D.               ON
  NEXT PAGE
[▲/▼] → ⌨
[MENU] : EXIT
```

If the "AUTO" mode does not work properly, select either of the following manual modes.
PAL: To record PAL signals, or playback a PAL tape.
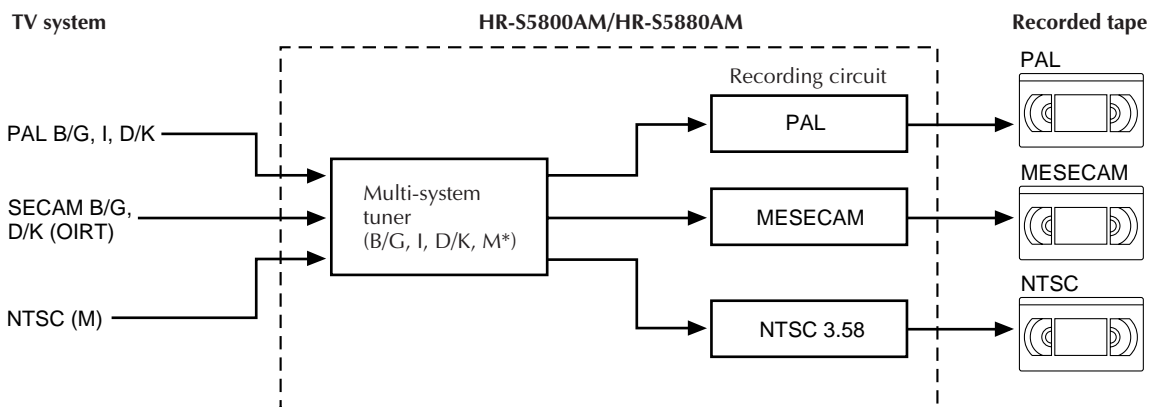**MESECAM**: To record SECAM signals, or playback a SECAM or MESECAM tape.

4 RETURN TO NORMAL SCREEN
Press **MENU**.

NOTES:
- *SECAM signals will always be recorded as MESECAM. Select "AUTO" or "MESECAM" when recording SECAM signals.*
- *When playing back a SECAM tape, select "AUTO" or "MESECAM". The playback picture will always be monochrome.*

NTSC Recording and Playback

To record NTSC signals or playback a NTSC tape, it will be necessary to select the appropriate mode.

1 ACCESS MAIN MENU SCREEN
Press **MENU**.

2 ACCESS FUNCTION SET SCREEN
Press **PUSH JOG** △▽ to place the pointer next to "FUNCTION SET", then press **OK** or **PUSH JOG** ▷.

```
        MAIN MENU

  PROGRAMME NAVIGATION
☞ FUNCTION SET
  TUNER SET
  INITIAL SET


[▲/▼] → ⌨
[MENU] : EXIT
```

3 SELECT NTSC MODE
Press **PUSH JOG** △▽ to place the pointer next to "NTSC", then press **OK** or **PUSH JOG** ▷ to select the desired mode.
NTSC3.58: To record NTSC signals or playback a NTSC tape.
NTSC4.43: To record NTSC4.43 signals or playback a NTSC4.43 tape.
NTSC➙PAL: To playback a NTSC tape on PAL TV.

```
        FUNCTION SET
  B. E. S. T.          ON
  PICTURE CONTROL    AUTO
  PAL/MESECAM        AUTO
☞ NTSC           NTSC3. 58
  AUTO TIMER          OFF
  O.S.D.               ON
  NEXT PAGE
[▲/▼] → ⌨
[MENU] : EXIT
```

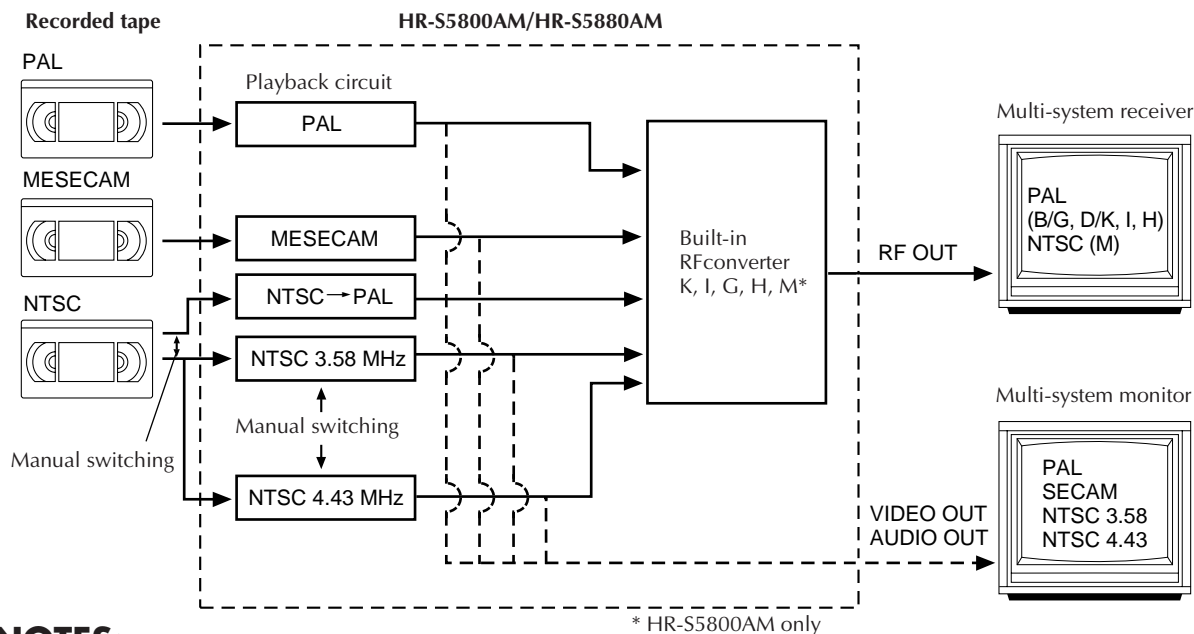### *4* RETURN TO NORMAL SCREEN
Press **MENU**.

NOTES:
- *The "NTSC➙PAL" mode does not work during recording. In this mode, NTSC signals will be recorded as NTSC3.58.*
- *The Menu screen is distorted during playing back a NTSC tape on PAL TV. Stop playback and access the Menu screen again.*
- *In the "NTSC4.43" mode, with some TVs, on-screen displays (Program screen, etc.) may roll up or down and there may be a loss of colour. When this happens, select the "NTSC3.58" mode.*

Off-Air Recording

The built-in multi-system tuner is capable of receiving PAL B/G, I and D/K, and SECAM B/G and D/K and NTSC* broadcasts.

TV system	HR-S5800AM/HR-S5880AM	Recorded tape
PAL B/G, I, D/K	Recording circuit → PAL	PAL
SECAM B/G, D/K (OIRT)	Multi-system tuner (B/G, I, D/K, M*) → MESECAM	MESECAM
NTSC (M)	→ NTSC 3.58	NTSC

NOTE:
This model does not operate in BRAZIL (PAL-M) or ARGENTINA (PAL-N).

* HR-S5800AM only

Playback

This recorder can play back all 3 types of recorded tape.

NOTES:

*When viewing NTSC tapes on a PAL TV set:*
- *The picture may shrink vertically with black bars appearing at the top and bottom of the screen. This is not a malfunction on the part of the video recorder nor the TV.*
- *The picture may roll up or down. This can be corrected using the V-HOLD control found on some TVs. (This cannot be corrected if the TV does not have a V-HOLD control.)*
- *During search, still, or frame-by-frame playback, the picture will be distorted, and there may be a loss of colour.*

ATTENTION:
When this recorder is connected to a multi-system TV, the audio signal may not be heard or may be noisy if the colour system select switch of the TV is adjusted to the AUTO position. In such a case, set the TV's colour system select switch to the appropriate position which corresponds to the TV system you have selected at the TV System Select screen.

Tape-To-Tape Editing

There are 4 different types of recorded tape, depending on the signal recorded.
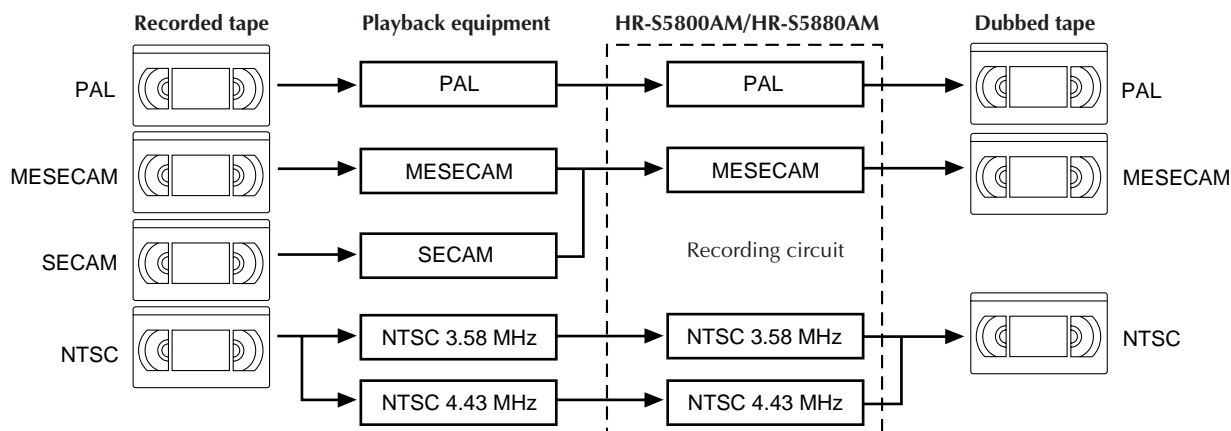
Turn on the TV and select the VIDEO channel (or AV mode).
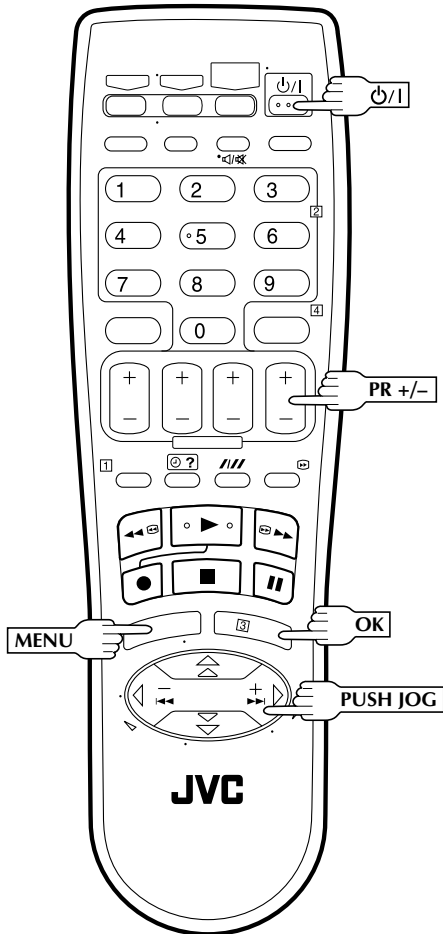
IMPORTANT

Perform the following steps only if auto channel set has not been set correctly by Auto Set Up function (☞ pg. 8) or if you have moved to a different area or if a new station starts broadcasting in your area.

Your recorder needs to memorise all necessary stations in channel positions in order to record TV programmes. Auto Channel Set automatically assigns all receivable stations in your area so that you can call them up with the **PR +/–** buttons without going through any vacant channels.

Auto Channel Set

1 TURN ON THE RECORDER

Press ⏻/I.

2 ACCESS MAIN MENU SCREEN
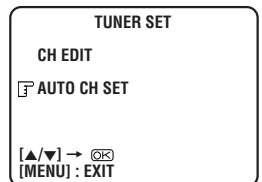
Press **MENU**.

3 ACCESS TUNER SET SCREEN

Press **PUSH JOG** △▽ to place the pointer next to "TUNER SET", then press **OK** or **PUSH JOG** ▷.

```
            MAIN MENU

    PROGRAMME NAVIGATION
    FUNCTION SET
  ☞ TUNER SET
    INITIAL SET


  [▲/▼] → ⓞⓚ
  [MENU] : EXIT
```
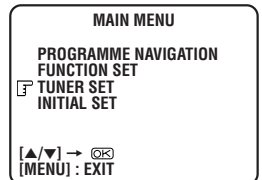
4 SELECT AUTO CH SET MODE

Press **PUSH JOG** △▽ to place the pointer next to "AUTO CH SET", then press **OK** or **PUSH JOG** ▷.

```
            TUNER SET

    CH EDIT
  ☞ AUTO CH SET


  [▲/▼] → ⓞⓚ
  [MENU] : EXIT
```

5 SELECT TV SYSTEM

Press **PUSH JOG** △▽ to place the pointer next to the appropriate TV system, then press **OK** or **PUSH JOG** ▷.

```
        TV SYSTEM SELECT

          ☞ B/G
            D/K
            I
            M

        [▲/▼] → OK
        [MENU] : EXIT
```

● Auto Channel Set will start.
● "M" appears with HR-S5800AM only.
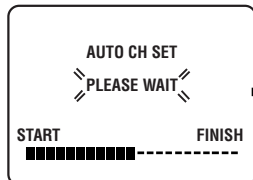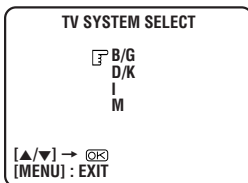
```
                          CH  FRQ  SYS   CH  FRQ  SYS
                          01  150  BG    07  229  BG
     AUTO CH SET          02  165  BG    08  237  BG
                          03  195  BG    09  355  BG
    ⟩ PLEASE WAIT ⟨       04  205  BG    10  365  BG
                          05  213  BG    11  374  BG
  START        FINISH     06  221  BG    12  384  BG
                          [▲/▼] → [✕] : DELETE
  ■■■■■■■■------------     [▲/▼] → OK : EDIT
                          [MENU] : EXIT
```

6 RETURN TO NORMAL SCREEN

Press **MENU**.

NOTE:

If you perform Auto Channel Set when the aerial cable is not connected properly, "SCAN COMPLETED -NO SIGNAL-" appears on the screen in step **5**. *When this happens, make sure of the aerial connection and press* **OK**; *Auto Channel Set will take place again.*

IMPORTANT

● If no sound accompanies the picture or the audio sounds unnatural on some channels that have been stored by Auto Channel Set, the TV system setting for those channels may be incorrect. Select the appropriate TV system for those channels. ☞ "TV System Selection – When you see the picture but the audio can't be heard or sounds unnatural" on page 57.
● Since your video recorder memorizes all detected stations even if the reception condition is poor, some of those stored stations may produce a noisy picture. To delete those stations, ☞ "Delete A Channel" on page 56.

Major Countries	TV System
Australia, New Zealand, Kuwait, U.A.E., Indonesia, Singapore, Thailand, Malaysia, Iran, Saudi Arabia, Egypt, Morocco, Lebanon, Iraq	B/G
China, Mongolia, Russia	D/K
Hong Kong	I
U.S.A., Japan, S.Korea, Taiwan	M*

*HR-S5800AM only

Manual Channel Set

Store channels that were not stored during Auto Set Up (☞ pg. 8) or Auto Channel Set (☞ pg. 54).

1 ACCESS TUNER SET SCREEN

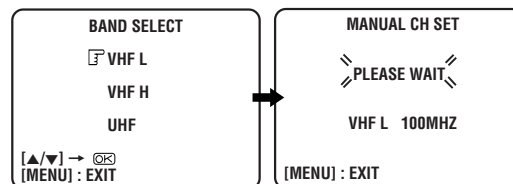Perform steps **1** – **3** of "Auto Channel Set" on page 54.

2 ACCESS CHANNEL LIST

Press **PUSH JOG** △▽ to place the pointer next to "CH EDIT", then press **OK** or **PUSH JOG** ▷.

3 SELECT POSITION

Press **PUSH JOG** △▽ to place the pointer next to an open channel position, then press **OK** or **PUSH JOG** ▷.

4 SELECT BAND

Press **PUSH JOG** △▽ to place the pointer next to the band of your choice, then press **OK** to initiate Manual Channel Set.

```
    BAND SELECT              MANUAL CH SET

    ☞ VHF L              ⟩ PLEASE WAIT ⟨

      VHF H

      UHF                   VHF L   100MHZ

  [▲/▼] → OK
  [MENU] : EXIT            [MENU] : EXIT
```

5 SET DESIRED STATION

The screen to the right appears when a station is detected.
If you do not want to store the detected station...
Press **PUSH JOG** △▽ to place the pointer next to "CONTINUE", then press **OK** or **PUSH JOG** ▷.
Channel search will resume.
If you want to store the detected station...
Press **PUSH JOG** △▽ to place the pointer next to "STORE", then press **OK** or **PUSH JOG** ▷. The Channel List appears again.

```
       ☞ STORE

         CONTINUE

       [▲/▼] → OK
       [MENU] : EXIT
```
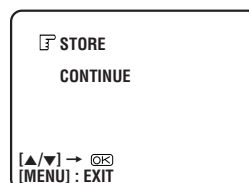
● The blueback screen and the TV picture currently being broadcast appear alternately for 8 seconds each.
● If you want to store another channel, repeat steps **3** – **5**.
● When channel search completes for that band, the Band Select screen appears again. To set channels for other bands, select another band and start Manual Channel Set again (☞ step **4** and **5**).
● For fine tuning adjustment, see "Fine-Tuning Channels" on page 57.

6 RETURN TO NORMAL SCREEN

Press **MENU**.

Delete A Channel

1 ACCESS TUNER SET SCREEN

Perform steps **1** – **3** of "Auto Channel Set" on page 54.

2 ACCESS CHANNEL LIST

Press **PUSH JOG** △▽ to place the pointer next to "CH EDIT", then press **OK** or **PUSH JOG** ▷.

3 SELECT CHANNEL

Press **PUSH JOG** △▽ until the channel you want to delete begins blinking.

```
CH  FRQ  SYS    CH  FRQ  SYS
01  150  BG     07  229  BG
02  165  BG     08  237  BG
03  195  BG     09  355  BG
04  205  BG     10  365  BG
05  213  BG     11  374  BG
06  221  BG     12  384  BG
[▲/▼] → [✕] : DELETE
[▲/▼] → ⊙ɪ : EDIT
[MENU] : EXIT
```

4 DELETE CHANNEL

Press ✕.

● To re-store it, simply press **PUSH JOG** ◁.
● Repeat steps **3** – **4** as necessary.

```
CH  FRQ  SYS    CH  FRQ  SYS
01  ---  --     07  229  BG
02  165  BG     08  237  BG
03  195  BG     09  355  BG
04  205  BG     10  365  BG
05  213  BG     11  374  BG
06  221  BG     12  384  BG
[▲/▼] → [◀] : ADD
[MENU] : EXIT
```

5 RETURN TO NORMAL SCREEN

Press **MENU**.

Swap Channel Positions

Example: To swap CH03 and CH09.

1 ACCESS TUNER SET SCREEN

Perform steps **1** – **3** of "Auto Channel Set" on page 54.

2 ACCESS CHANNEL LIST

Press **PUSH JOG** △▽ to place the pointer next to "CH EDIT", then press **OK** or **PUSH JOG** ▷.

3 SELECT POSITION (e.g. 03)

Press **PUSH JOG** △▽ until the section of CH "03" begins blinking, then press **OK** or **PUSH JOG** ▷.

● Only "03" will blink.

```
CH  FRQ  SYS    CH  FRQ  SYS
01  150  BG     07  229  BG
02  165  BG     08  237  BG
03  195  BG     09  355  BG
04  205  BG     10  365  BG
05  213  BG     11  374  BG
06  221  BG     12  384  BG
[0 – 9]: INPUT CH
⊙ɪ : FINE TUNING
[MENU] : EXIT
```

4 SELECT POSITION (e.g. 09)

Press **NUMBER** keys to input "0" and "9".

● The two selected channels will be swapped.
● To cancel the channel swapping, press **PUSH JOG** ◁.

```
CH  FRQ  SYS    CH  FRQ  SYS
01  150  BG     07  229  BG
02  165  BG     08  237  BG
03  355  BG     09  195  BG
04  205  BG     10  365  BG
05  213  BG     11  374  BG
06  221  BG     12  384  BG
[◀]: CANCEL
⊙ɪ : OK
[MENU] : EXIT
```

5 STORE NEW POSITIONS

Press **OK** or **PUSH JOG** ▷.

● Repeat steps **3** – **5** as necessary.

6 RETURN TO NORMAL SCREEN

Press **MENU**.

Fine-Tuning Channels

1 ### ACCESS TUNER SET SCREEN

Perform steps **1** – **3** of "Auto Channel Set" on page 54.

2 ### ACCESS CHANNEL LIST

Press **PUSH JOG** △▽ to place the pointer next to "CH EDIT", then press **OK** or **PUSH JOG** ▷.

3 ### SELECT CHANNEL TO FINE-TUNE

Press **PUSH JOG** △▽ until the channel you want to tune begins blinking, then press **OK** twice.

● The "FRQ" number for that channel starts blinking.

```
CH  FRQ  SYS    CH  FRQ  SYS
01  150  BG     07  229  BG
02  165  BG     08  237  BG
03  195  BG     09  355  BG
04  205  BG     10  365  BG
05  213  BG     11  374  BG
06  221  BG     12  384  BG
[▲/▼] : FINE TUNING
OK : SELECT SYSTEM
[MENU] : EXIT
```

4 ### PERFORM TUNING

Press **PUSH JOG** △▽ until the picture becomes clearer, then press **OK** or **PUSH JOG** ▷.

● Repeat steps **3** and **4** as necessary.

5 ### RETURN TO NORMAL SCREEN

Press **MENU**.

TV System Selection – When you see the picture but the audio can't be heard or sounds unnatural

1 ### ACCESS TUNER SET SCREEN

Perform steps **1** – **3** of "Auto Channel Set" on page 54.

2 ### ACCESS CHANNEL LIST

Press **PUSH JOG** △▽ to place the pointer next to "CH EDIT", then press **OK** or **PUSH JOG** ▷.

3 ### SELECT CHANNEL

Press **PUSH JOG** △▽ until the channel you want to change its TV system begins blinking, then press **OK** three times.

● The "SYS" display for that channel starts blinking.

```
CH  FRQ  SYS    CH  FRQ  SYS
01  150  BG     07  229  BG
02  165  BG     08  237  BG
03  195  BG     09  355  BG
04  205  BG     10  365  BG
05  213  BG     11  374  BG
06  221  BG     12  384  BG
[▲/▼] : SELECT SYSTEM
OK : OK
[MENU] : EXIT
```

4 ### SELECT TV SYSTEM

Press **PUSH JOG** △▽ to select the appropriate TV system (BG → DK → I → M*). Then press **OK** or **PUSH JOG** ▷.

● Repeat steps **3** and **4** as necessary.
* "M" appears with HR-S5800AM only.

**5** ### RETURN TO NORMAL SCREEN

Press **MENU**.

Before requesting service for a problem, use this chart and see if you can repair the trouble yourself. Small problems are often easily corrected, and this can save you the trouble of sending your video recorder off for repair.

POWER

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. No power is applied to the recorder.	● The mains power cord is disconnected.	Connect the mains power cord.
2. The clock is functioning properly, but the recorder cannot be powered.	● "☉" is displayed on the display panel with Auto Timer set to "OFF".	Press the ☉ button to turn the "☉" indicator off.
3. The remote control won't function.	● The batteries are discharged. ● Timer is on. ● Remote control A/B code is wrong.	Replace the dead batteries with new ones. Press ⏻ on the remote control. Reset A/B code (☞ pg. 42).

TAPE TRANSPORT

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. The tape does not run during recording.	● "▦" is displayed on the display panel.	Press **PLAY** to turn the "▦" indicator off.
2. The tape will not rewind or fast-forward.	● The tape is already fully rewound or fast-forwarded.	Check the cassette.

PLAYBACK

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. The playback picture does not appear while the tape is running.	● If you're using the RF OUT connection . . . . . . the TV receiver's channel selector is not set to the VIDEO channel. . . . the recorder's VIDEO channel has not been correctly set. ● If you're using the AV or S-VIDEO connection, the TV receiver is not set to the AV mode.	If you are using the RF OUT connection . . . . . . set the TV receiver to the VIDEO channel. (☞ pg. 6) . . . Perform "Video Channel Set". (☞ pg. 6) If you are using the AV or S-VIDEO connection, set the TV to its AV mode.
2. Noise appears during visual search.	● This is normal.	
3. Noise appears during normal playback.	● The automatic tracking mode is engaged.	Try manual tracking. (☞ pg. 16)
4. Noise appears during slow-motion playback.	● The automatic tracking mode is engaged.	Try manual tracking. (☞ pg. 16)
5. Noise appears during still playback.		Press **PR +/−** few times to remove the noise bars from the screen.
6. Breaks are noticeable in Hi-Fi soundtrack.	● Automatic tracking is engaged.	Engage and adjust tracking manually. (☞ pg. 16)
7. The playback picture is blurred or interrupted while TV broadcasts are clear. Or "USE CLEANING CASSETTE" appears on the screen.	● The video heads may be dirty.	The heads must be cleaned. Use a dry cleaning cassette –TCL-2UX– or consult your JVC dealer.
8. Playback picture has a loss of colour.	● The wrong colour system is selected for the tape being played back. ● The wrong colour system was selected during recording.	Select the correct colour system (☞ pg. 52) Once recorded, the signal cannot be corrected. Be sure to choose the correct setting before recording.
9. No sound accompanies the playback picture.	● The TV system you have selected at the TV System Select screen is incorrect.	Set it to the correct position for the TV broadcast system used in your area. (☞ pg. 57)

RECORDING

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. Recording cannot be started.	● There is no cassette loaded, or the cassette loaded has had its Record Safety tab removed.	Insert a cassette, or using adhesive tape, reseal the slot where the tab was removed.
2. TV broadcasts cannot be recorded.	● "L-1", "F-1", "S-1" or "S-2" has been selected as the input mode.	Set to the desired channel.
3. Tape-to-tape editing is not possible.	● The source (another video recorder, camcorder) has not been properly connected. ● All necessary power switches have not been turned on. ● The input mode is not correct.	Confirm that the source is properly connected. Confirm that all units' power switches are turned on. Set the input mode to "L-1", "F-1", "S-1" or "S-2".
4. Camcorder recording is not possible.	● The camcorder has not been properly connected. ● The input mode is not correct.	Confirm that the camcorder is properly connected. Set the input mode to "L-1", "F-1", "S-1" or "S-2".

TIMER RECORDING

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. Timer recording won't work.	● The clock and/or the timer have been set incorrectly. ● The timer is not engaged.	Re-perform the clock and/or timer settings. Press ⏰ and confirm that "⏰" is displayed on the display panel.
2. On-screen timer programming is not possible.	● Timer recording is in progress.	Timer programming can't be performed while a timer recording is in progress. Wait until it finishes.
3. "⏰" and "▭▭" on the display panel won't stop blinking.	● The timer is engaged but there's no cassette loaded. ● The loaded cassette has had its Record Safety tab removed.	Load a cassette with the Record Safety tab intact, or cover the hole using adhesive tape. Remove the cassette and cover the hole with adhesive tape, or insert a cassette with the Record Safety tab intact.
4. "⏰" blinks for 10 seconds and the Timer mode is disengaged.	● ⏰ has been pressed when there are no programs in memory, or the timer record information has been programmed incorrectly.	Check the programmed data and re-program as necessary, then press ⏰ again.
5. The power shuts off and "⏰" and "▭▭" won't stop blinking.	● The end of the tape was reached during timer recording.	The programme may not have been recorded in its entirety. Next time make sure you have enough time on the tape to record the entire programme.
6. The G-CODE/SHOWVIEW system does not timer-record properly.	● The recorder's channel positions have been set incorrectly.	Refer to "G-CODE/SHOWVIEW System Setup" and re-perform the procedure. (☞ pg. 26)

OTHER PROBLEMS

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. Whistling or howling is heard from the TV during camcorder recording.	● The camcorder's microphone is too close to the TV. ● The TV's volume is too high.	Position the camcorder so its microphone is away from the TV. Turn the TV's volume down.
2. When scanning channels, some of them are skipped over.	● Those channels have been designated to be skipped.	If you need the skipped channels, restore them. (☞ pg. 55)
3. The channel cannot be changed.	● Recording is in progress.	Press **PAUSE** to pause the recording, change channels, then press **PLAY** to resume recording.
4. Channel settings that were made manually seem to have changed or disappeared.	● After the manual settings were made, Auto Channel Set was performed.	Perform manual setting again.
5. No channels are stored in the recorder's memory.	● The TV aerial cable was not connected to the recorder when Auto Set Up was performed.	Connect the TV aerial cable to the recorder properly and turn off the recorder power once, then turn the recorder power back on again. The recorder will try Auto Set Up again. (☞ pg. 8)
6. "– –:– –" is displayed on the front display panel after a power outage.	● The lithium battery is exhausted.	Replace the lithium battery with a new one. (☞ pg. 7)

PLAYBACK

Q. What happens if the end of the tape is reached during playback or search?

A. The tape is automatically rewound to the beginning.

. . . .

Q. Can the video recorder indefinitely remain in the still mode?

A. No. It stops automatically after 5 minutes to protect the heads.

. . . .

Q. When returning from multi-speed search to normal playback, the picture is disturbed. Should I be concerned about this?

A. No, it is normal.

. . . .

Q. Other than preventing further recording, what effect does removing the Record Safety tab have?

A. It disables marking of index codes.

. . . .

Q. Sometimes, during Index Search, the video recorder can't find the programme I want to see. Why not?

A. There may be index codes too close together.

. . . .

RECORDING

Q. When I pause and then resume a recording, the end of the recording before the pause is overlapped by the beginning of the continuation of recording. Why does this happen?

A. This is normal. It reduces distortion at the pause and resume points.

. . . .

Q. Can the video recorder indefinitely remain in the Record-Pause mode?

A. No. The video recorder goes to its Stop mode automatically after 5 minutes to protect the heads.

. . . .

Q. What happens if the tape runs out during recording?

A. Recording stops and ⊚⊚ on the front display panel blinks.

. . . .

TIMER RECORDING

Q. "✪" and "⏱" remain lit on the display panel. Is there a problem?

A. No. This is a normal condition for a timer recording in progress.

. . . . .

Q. Can I program the timer while I'm watching a tape or a TV broadcast?

A. You won't see the picture as it is replaced by the on-screen menu, but the audio from the program or tape you're viewing can be heard.

. . . .

ATTENTION:
This recorder contains microcomputers. External electronic noise or interference could cause malfunctioning. In such cases, switch the recorder off and unplug the mains power cord. Then plug it in again and turn the recorder on. Take out the cassette. After checking the cassette, operate the unit as usual.

FRONT VIEW
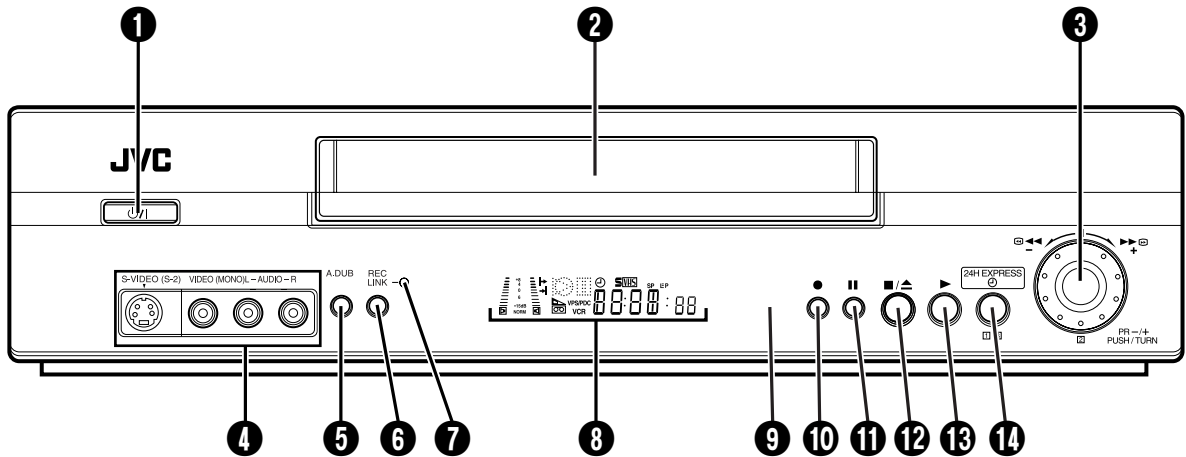
① STANDBY/ON ⏻/I Button ☞ pg. 10
② Cassette Loading Slot
③ Advanced JOG Dial ☞ pg. 13, 14, 15, 19
④ S-VIDEO(S-2)/VIDEO/AUDIO Input Connectors
  ☞ pg. 48
⑤ A. DUB [Audio Dubbing] Button ☞ pg. 50
⑥ REC LINK Button ☞ pg. 37
⑦ REC LINK Indicator ☞ pg. 37

⑧ Display Panel ☞ pg. 63
⑨ Infrared Beam Receiving Window
⑩ RECORD Button ☞ pg. 19
⑪ PAUSE Button ☞ pg. 14
⑫ STOP/EJECT Button ☞ pg. 13
⑬ PLAY Button ☞ pg. 13
⑭ 24H EXPRESS ⏱ Button ☞ pg. 32

REAR VIEW
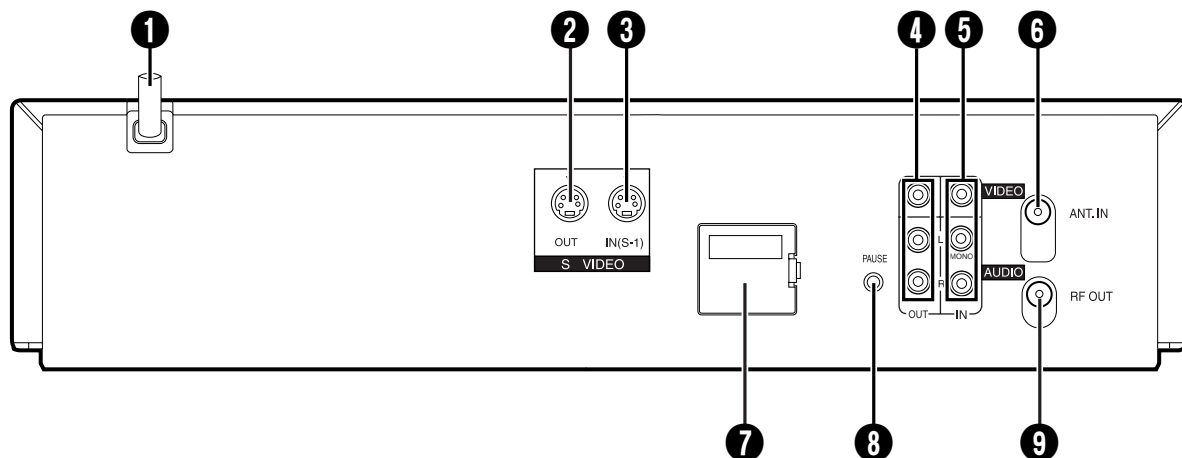
❶ Mains Power Cord ☞ pg. 4, 5
❷ S VIDEO OUT Connector ☞ pg. 5
❸ S VIDEO IN(S-1) Connector ☞ pg. 48
❹ AUDIO/VIDEO OUT Connectors ☞ pg. 4, 5, 49
❺ AUDIO/VIDEO IN Connectors ☞ pg. 49

❻ ANT. IN Connector ☞ pg. 4, 5
❼ Lithium Battery Compartment ☞ pg. 7
❽ Remote PAUSE Connector ☞ pg. 48
❾ RF OUT Connector ☞ pg. 4, 5

DISPLAY PANEL
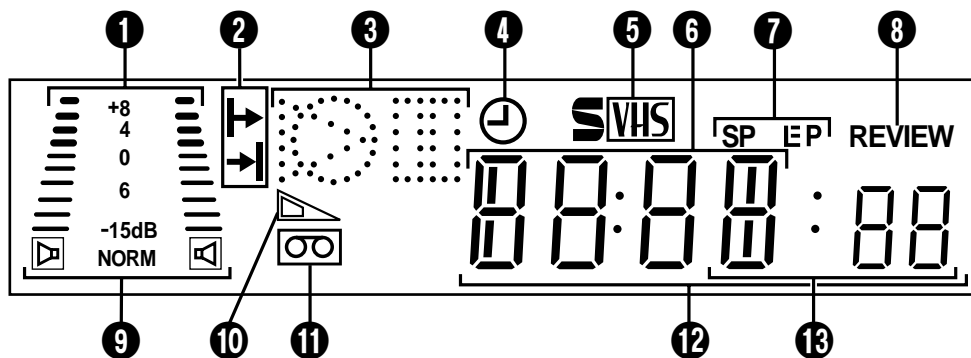
❶ B.E.S.T. Picture System Display ☞ pg. 24
  Audio Level Indicator
❷ Programme start time and stop time indicators
  ☞ pg. 32
❸ Symbolic Mode Indicators

PLAY: FF/REW VARIABLE SHUTTLE SEARCH:	▷	STILL: SLOW:	▷▥
		RECORD:	○
		RECORD PAUSE:	○▥
AUDIO DUBBING:			☀
AUDIO DUBBING PAUSE:			☀▥

❹ "Timer" Indicator ☞ pg. 29, 31, 33
❺ S-VHS Indicator ☞ pg. 22
❻ Channel Display
  Clock Display
❼ Tape Speed Indicators ☞ pg. 19
❽ Instant REVIEW Indicator ☞ pg. 18
❾ Audio Mode Indicator ☞ pg. 18
❿ Tape Remaining Time Indicator ☞ pg. 21
⓫ "Cassette Loaded" Mark
⓬ Counter Display
⓭ Mode Display (L-1, F-1, S-1 or S-2)

REMOTE CONTROL
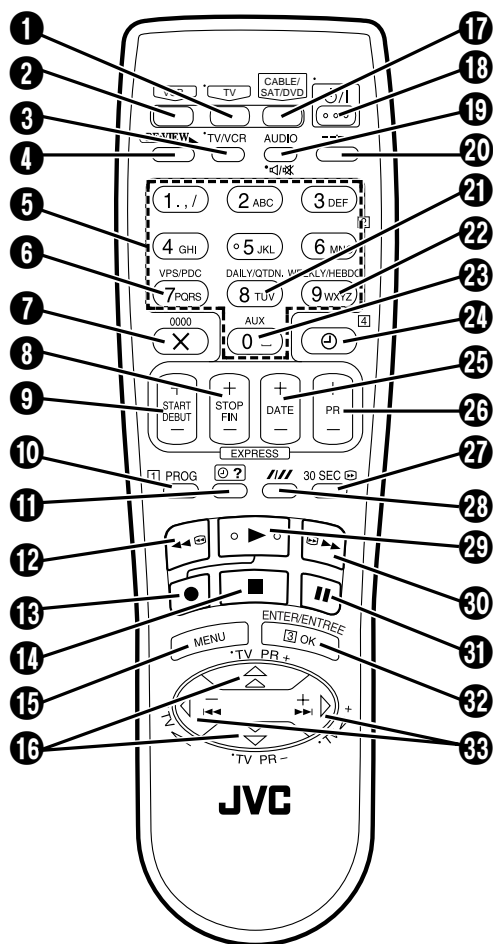
Buttons with a small dot on the left side of the name can also be used to operate your TV ☞ pg. 43.

❶ TV Button ☞ pg. 43
❷ VCR Button ☞ pg. 43
❸ TV/VCR Button ☞ pg. 43
❹ REVIEW Button ☞ pg. 18
❺ NUMBER Keys ☞ pg. 19
❻ VPS/PDC Button ☞ (no function)
❼ ✕ Button ☞ pg. 34
　　0000 Button ☞ pg. 20
❽ STOP +/– Button ☞ pg. 30
❾ START +/– Button ☞ pg. 30
❿ PROG Button ☞ pg. 28, 30
⓫ ⊙? Button ☞ pg. 34
⓬ Rewind [REW] Button ☞ pg. 13, 14
⓭ RECORD Button ☞ pg. 19
⓮ STOP Button ☞ pg. 13
⓯ MENU Button ☞ pg. 8
⓰ PUSH JOG △▽ Button ☞ pg. 8, 10
　　TV PR +/– Button ☞ pg. 43
⓱ CABLE/SAT/DVD Button ☞ pg. 43
⓲ STANDBY/ON ⏻/I Button ☞ pg. 10
⓳ AUDIO Button ☞ pg. 18
　　◁/◁✕ (TV Muting) Button ☞ pg. 43
⓴ ––:–– Button ☞ pg. 20
㉑ DAILY Button ☞ pg. 29, 31
㉒ WEEKLY Button ☞ pg. 29, 31
㉓ AUX Button ☞ pg. 48
㉔ ⊙ Button ☞ pg. 29, 31
㉕ DATE +/– Button ☞ pg. 30
㉖ PR +/– Button ☞ pg. 19, 30
㉗ 30 SEC Button ☞ pg. 18
㉘ Tracking Button ☞ pg. 16
　　SP/LP/EP Button ☞ pg. 19
㉙ PLAY Button ☞ pg. 13
㉚ Fast Forward [FF] Button ☞ pg. 13, 14
㉛ PAUSE Button ☞ pg. 14
㉜ OK Button ☞ pg. 6
　　ENTER/ENTREE Button
㉝ PUSH JOG ◁▷ (|◀◀ ▶▶|) Button ☞ pg. 14, 15
　　TV ⊿ +/– Button ☞ pg. 43

How To Use

The remote control can operate most of your video recorder's functions, as well as basic functions of TV, cable box, satellite receiver and DVD sets of JVC and other brands. ☞ pg. 43–45.
● Point the remote control toward the sensor window.
● The maximum operating distance of the remote control is about 8 m.

NOTES:

● *When inserting the batteries, be sure to insert in the correct directions as indicated under the battery cover.*
● *If the remote control doesn't work properly, remove its batteries, wait a short time, replace the batteries and then try again.*

ATTENTION

The remote control can operate not only the video recorder but also some of your TV, cable box, satellite receiver and DVD.
● To operate your video recorder, first press the **VCR** button to set the remote control to the Video mode.
● To operate your TV, first press the **TV** button to set the remote control to the TV mode (☞ pg. 43).
● To operate your satellite receiver, cable box or DVD, first press the **CABLE/SAT/DVD** to set the remote control to the satellite receiver, cable box or DVD mode (☞ pg. 44).

GENERAL

Power requirement
Rating	: AC 110 V – 240 V∿, 50 Hz/ 60 Hz
Operating	: AC 90 V – 260 V∿, 50 Hz/ 60 Hz
Power consumption	: 20 W
Temperature	
Operating	: 5°C to 40°C
Storage	: –20°C to 60°C
Operating position	: Horizontal only
Dimensions (WxHxD)	: 400 mm x 94 mm x 278 mm
Weight	: 3.4 kg
Format	: S-VHS/VHS standard

Maximum recording time
(SP)	: 240 min. with E-240 video cassette (PAL/MESECAM)
	: 160 min. with T-160 video cassette (NTSC)
(LP)	: 480 min. with E-240 video cassette (PAL/MESECAM)
(EP)	: 720 min. with E-240 video cassette (PAL/MESECAM)
	: 480 min. with T-160 video cassette (NTSC)

VIDEO/AUDIO

Signal system	: PAL-type colour signal and CCIR monochrome signal, 625 lines/50 fields
	: NTSC colour and EIA monochrome signals, 525 lines/60 fields
Recording system	: DA-4 (Double Azimuth) head helical scan system
Signal-to-noise ratio	: 45 dB
Horizontal resolution	: 400 lines (S-VHS) 250 lines (VHS PAL/ MESECAM) 220 lines (VHS NTSC)
Frequency range	: 70 Hz to 10,000 Hz (Normal audio) 20 Hz to 20,000 Hz (Hi-Fi audio)
Input/Output	: RCA connectors (IN x 2, OUT x 1) S-Video connectors (IN x 2, OUT x 1)

TUNER/TIMER

TV channel storage capacity	: 99 positions (+AUX position)
Tuning system	: Frequency synthesized tuner
Channel coverage	: VHF (Low) 42 – 175 MHz (High)175 – 470 MHz UHF 470 – 870 MHz
Aerial output	: UHF channels (Adjustable E28 – E60)
Memory backup time	: Approx. 6 months Estimated figure based on supplied fresh battery; actual performance may differ.

ACCESSORIES

Provided accessories	: RF cable, S-Video cable, Infrared remote control unit, "R6/UM-3" battery x 2, Lithium battery CR2025

Specifications shown are for SP mode unless otherwise specified.
Design and specifications subject to change without notice.

MEMO

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