



**VIDEO CASSETTE RECORDER**  
**HR-J590/J593/J599EU**  
**HR-J290/J293EU**

**SHOWVIEW®**



**INSTRUCTIONS**

LPT0667-001B  
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**SAFETY FIRST**

**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.

**WARNING**

There are two different types of SECAM colour systems: SECAM-L, used in FRANCE (also called SECAM-West), and SECAM-B, used in Eastern European countries (also called SECAM-East).

1. This recorder can also receive SECAM-B colour television signals for recording and playback.
2. Recordings made of SECAM-B television signals produce monochrome pictures if played back on a video recorder of SECAM-L standard, or do not produce normal colour pictures if played back on a PAL video recorder with SECAM-B system incorporated (even if the TV set is SECAM-compatible).
3. SECAM-L prerecorded cassettes or recordings made with a SECAM-L video recorder produce monochrome pictures when played back with this recorder.
4. This recorder cannot be used for the SECAM-L standard. Use a SECAM-L recorder to record SECAM-L signals.

**IMPORTANT**

- Please read the various precautions on page 1 and 2 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.



- Cassettes marked "VHS" (or "S-VHS") can be used with this video cassette recorder, however, only VHS signals can be played back and recorded.
- HQ VHS is compatible with existing VHS equipment.
- SHOWVIEW is a registered trademark of Gemstar Development Corporation. The SHOWVIEW system is manufactured under licence from Gemstar Development Corporation.

**For Italy:**

"It is declared that this product, brand JVC, conforms to the Ministry Decree n. 548 of 28 Aug.'95 published in the Official Gazette of the Italian Republic n. 301 of 28 Dec.'95"

The STANDBY/ON  $\phi/1$  button does not completely shut off mains power from the unit, but switches operating current on and off. " $\phi$ " shows electrical power standby and "1" shows ON.

**For HR-J590/J593/J599EU owners:**

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

**For HR-J290/J293EU owners:**

Video tapes recorded with another recorder in the LP (Long Play) mode cannot be played back on this 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.**

- 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.
- 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.)
- DO NOT** place heavy objects on the recorder or remote control.
- 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.)
- DO NOT** expose the apparatus to dripping or splashing.
- 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.
- DO NOT** place any naked flame sources, such as lighted candles, on the apparatus.
- 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 on 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's power turned on for a few hours to let the moisture dry.

**How to use the remote control**

Before use, insert the batteries in the correct directions as indicated under the battery cover. The remote control can operate most of your recorder's functions, as well as basic functions of JVC TV sets.

- Point the remote control toward the receiving window on the recorder.
- The maximum operating distance of the remote control is about 7.5 m.
- To operate your JVC TV, press the corresponding button: **TV**  $\phi/1$ , **TV AV**, **TV PR +/-**, **TV**  $\triangle$ +/- (TV Volume).

**NOTE:**

*If the remote control does not work properly, remove its batteries, wait for a few seconds, replace the batteries and then try again.*

**Video heads cleaning**

Accumulation of dirt and other particles on the video heads may cause the playback picture to become blurred or interrupted. Be sure to contact your nearest JVC dealer if such troubles occur.

**Usable cassettes**

- Compact VHS camcorder recordings can be played on this recorder. Simply place the recorded cassette into a VHS Cassette Adapter and it can be used just like any full-sized VHS cassette.
- This recorder can record on regular VHS and Super VHS cassettes. However, it will record and play back regular VHS signals only. It is not possible to play back a recorded Super VHS cassette.

**ATTENTION:****To mobile phone users:**

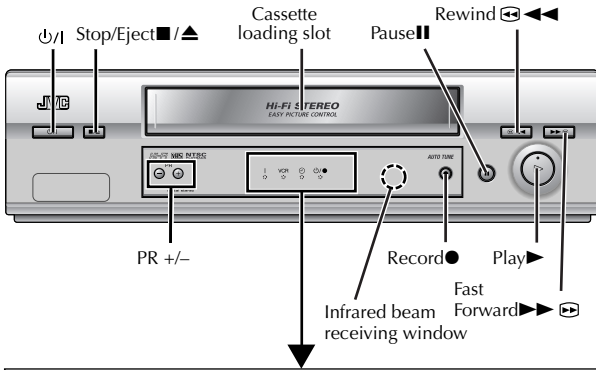
Using a mobile phone in the vicinity of the recorder may cause picture vibration on the TV screen or change the screen to a blue back display.

**On placing the recorder:**

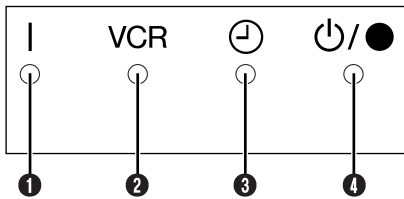
Some TVs or other appliances generates strong magnetic fields. Do not place such appliance on top of the recorder as it may cause picture disturbance.

# Buttons, Connectors and Indicators

## Front Panel



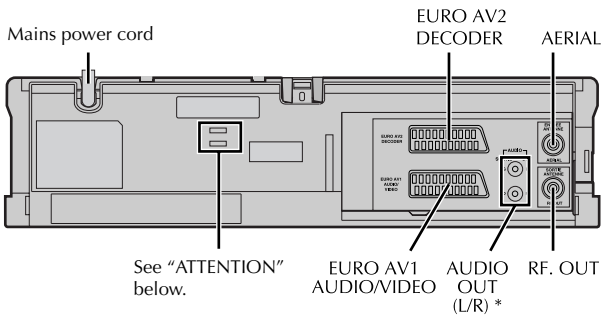
### Display panel



- 1 Power Indicator
- 2 VCR Indicator
- 3 Timer Indicator
- 4 Standby/Record Indicator\*

\* Standby/Record Indicator lights when the recorder is in standby mode or during recording.

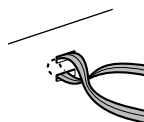
## Rear Panel



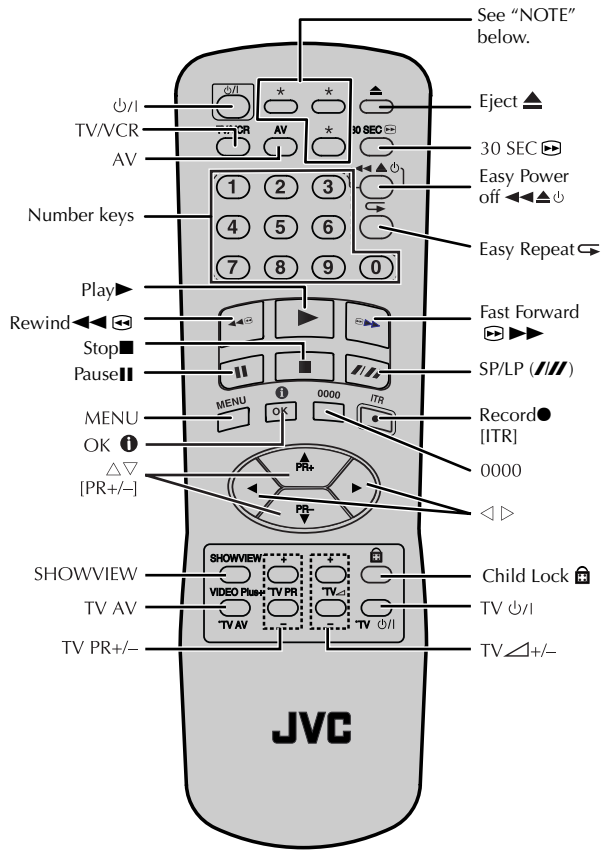
\* HR-J590/J593/J599EU only

### ATTENTION:

Do not drop the tying band for fixing the main power cord into the inside of the recorder. It may cause a malfunction.



## Remote control



### NOTE:

The buttons with \* do not function with this recorder.

### About $\psi/I$ Button

When you press  $\psi/I$  on the recorder and remote control while the recorder is turned on, each button works differently.

#### On the recorder

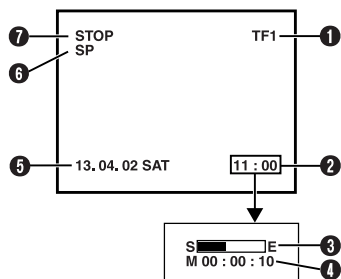
When you press  $\psi/I$ , the recorder is turned off completely.

#### On the remote control

When you press  $\psi/I$ , the recorder enters the standby mode.  $\psi/\bullet$  lights on the display panel. To turn off the recorder completely, press  $\psi/I$  on the recorder.

## On-screen display

If you press **1** (OK) on the remote control when "OSD" is set to "ON" (☞ 5), you can see the current recorder status on the screen. The indications except the clock or time counter disappears in about 5 seconds. To clear the on-screen display completely, press **1** (OK) again. The indications are not recorded even if the recorder is in the recording mode.

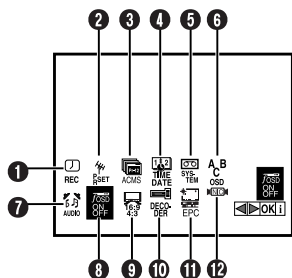


- 1** Channel and auxiliary input
- 2** Clock\*
- 3** Tape position\*
- 4** Time counter\*
- 5** Current day/month/year
- 6** Tape speed
- 7** Recorder operation mode

On-screen display	Description
PLAY	appears when you playback.
REW	appears during rewinding, or blinks during rewinding with Rewind Power Off function. (☞ 10)
FF	appears during fast-forwarding.
EZ REPEAT	appears during Ez repeat playback. (☞ 10)
EJECT	appears when you eject the cassette.
STOP	appears when you stop playback or recording.
RECORD	appears during recording.
RECP	appears in the record pause mode.
SAFE	appears when the recorder enters in child lock mode, or any buttons on the recorder are pressed during child lock mode. (☞ 15)

\* Each time you press **1** (OK), the display shows clock or tape position and time counter alternatively.

## Main Menu



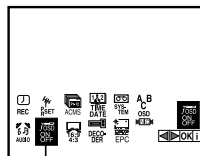
You can perform various operations or change various mode settings on the Main Menu Screen.

- Turn on the recorder and the TV, and set your TV to its AV mode or video channel.
- The procedure shows how to set "OSD" to "ON".

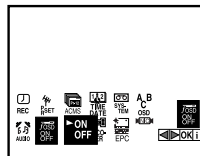
### 1 Access Main Menu screen

Press MENU. Press  $\triangle$   $\square$  to select the icon "OSD", then press OK.

- If you select the icon **1** to **4**, follow the each setting procedure.
- If you select the icon **5** to **12**, go to step **2**.



OSD








### 2 Change setting

Press  $\triangle$   $\nabla$  to set to "ON", then press  $\triangle$  or  $\nabla$ .

### 3 Return to normal screen








Press MENU.

\*The default setting is **bold** in the following table.

Icon	Description
<b>1</b> REC 	Select this icon to timer-record the programme. (☞ 13)
<b>2</b> PR SET 	Select this icon to perform Manual Channel Set. (☞ 8, 9)
<b>3</b> ACMS 	Select this icon to perform Auto Channel Set. (☞ 7) Auto Channel Set automatically assigns all receivable stations in your area.
<b>4</b> TIME DATE 	Select this icon to set clock manually. (☞ 7)
<b>5</b> SYSTEM 	<b>AUTO / PAL / MESECAM</b> You can play back PAL, NTSC and MESECAM tapes, or record PAL and SECAM* signals on this recorder. Select the appropriate colour system. * SECAM signals will be recorded as MESECAM on this recorder; MESECAM is the designation for tapes with SECAM signals that have been recorded on a MESECAM-compatible PAL video cassette recorder. <b>AUTO:</b> Normally select this. The appropriate colour system is selected automatically depending on the playback or recording signals. If "AUTO" does not work correctly, set the following mode manually. <b>PAL:</b> To record PAL signals, or playback a PAL. <b>MESECAM:</b> To record SECAM signals, or play back a MESECAM tape.

#### NOTES: About NTSC Playback

- Some TVs shrink the picture vertically and place black bars at the top and bottom of the screen, or cut off the top and bottom portions of superimposed displays. This is not a malfunction.
- The picture may roll up and down. This can be corrected if your TV has the V-HOLD control function.
- The counter and tape remaining time readings will be incorrect.
- During search, still, or frame-by-frame playback, the picture will be distorted, and there may be a loss of colour.

Icon	Description
<b>6 ABC OSD</b> 	Select this icon to set the language. You can select among 6 languages. (☞ 7)
<b>7 AUDIO</b> 	<b>STEREO / LEFT / RIGHT / MONO</b> (HR-J590/J593/J599EU only) Your recorder is capable of recording four soundtracks (STEREO, LEFT, RIGHT and MONO) and plays back the one you select. <b>STEREO:</b> For Hi-Fi stereo tapes <b>LEFT:</b> For main audio of Bilingual tapes <b>RIGHT:</b> For sub audio of Bilingual tapes <b>MONO:</b> For audio-dubbed tapes
<b>8 OSD</b> 	<b>ON / OFF</b> When this function is set to "ON", various recorder status information (on-screen display) appears on the screen. <b>NOTE:</b> <i>When you use the recorder as the source player for editing a tape, be sure to set this function to "OFF". Otherwise, the recorder status information will be recorded on the edited tape.</i>
<b>9 16:9/4:3</b> 	<b>AUTO / 16:9 / 4:3</b> You can select the aspect ratio of your TV. <b>AUTO:</b> Normally select this. You can play back the 16:9 and 4:3 screen-programme as they are. <b>16:9:</b> You can play back the programme with the 16:9 screen format. <b>4:3:</b> You can play back the programme with the 4:3 screen format. <b>NOTE:</b> <i>Set your TV to its AV mode if the picture is cut off on the screen when you play back the programme with the 16:9 screen format.</i>
<b>10 DECODER</b> 	<b>ON / OFF</b> Set "DECODER" to "ON" when you use a decoder connected to the EURO AV2 DECODER connector.
<b>11 EPC</b> 	<b>OFF / SOFT / SHARP</b> This function helps you to adjust the playback picture quality according to your preference. <b>OFF:</b> Picture quality is not adjusted. <b>SOFT:</b> Reduces image coarseness when viewing overplayed tapes containing much noise. <b>SHARP:</b> Clearer, sharper-edged picture when viewing images with much flat, same-coloured surfaces such as cartoons. <b>NOTE:</b> <i>You can perform EPC setting only during playback.</i>
<b>12 NIC</b> 	<b>AUTO / OFF</b> (HR-J590/J593/J599EU only) Select the appropriate mode. Refer to page 11. <b>AUTO:</b> The recorder detect NICAM broadcasts automatically. <b>OFF:</b> The recorder does not detect NICAM broadcasts.

## Basic Connections

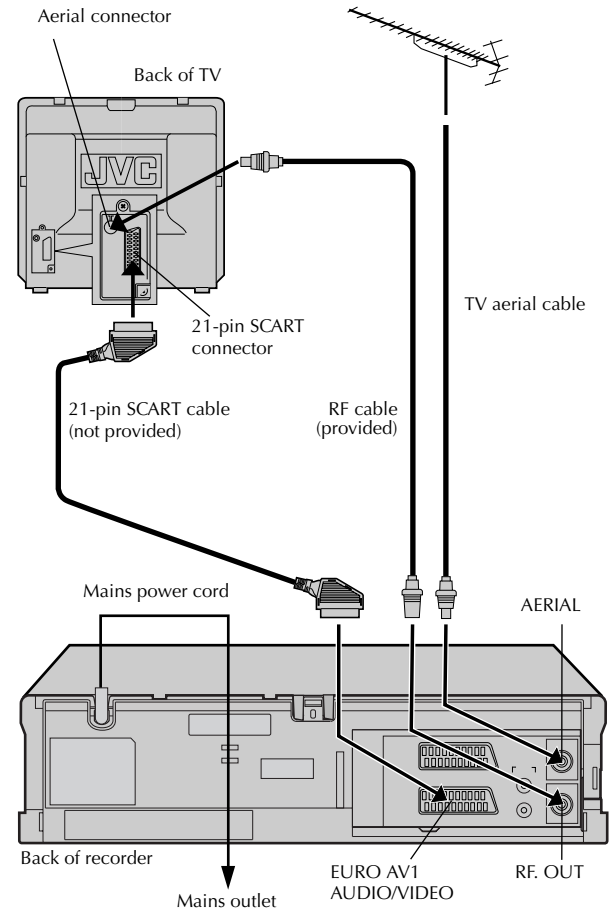
### 1 Check contents

Make sure the package contains all of the accessories listed in "Specifications" (☞ 16).

### 2 Situate recorder

Place the recorder on a stable, horizontal surface.

### 3 Connect recorder to TV



### RF Connection



- 1 Disconnect the TV aerial cable from the TV.
- 2 Connect the TV aerial cable to the AERIAL connector on the rear of the recorder.
- 3 Connect the provided RF cable between the RF. OUT connector on the rear of the recorder and the TV's aerial connector.



### AV Connection

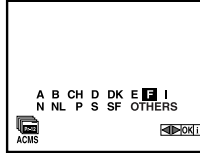
If your TV is equipped with a 21-pin SCART connector, perform AV connection to improve picture quality during tape playback.

- 1 Connect the aerial, recorder and TV as shown in the illustration.
- 2 Connect an optional 21-pin SCART cable between the EURO AV1 AUDIO/VIDEO connector on the rear of the recorder and the TV's 21-pin SCART connector.

## 4 Perform Plug&Play setup

The TV should be set to its AV mode (with AV connection  5) or UHF channel 36 (with RF connection  5).

Plug the mains power cord into a mains outlet. Do not turn on the recorder. The Country Set screen appears. Press   to select your country, then press **OK**. The clock and tuner channels will be set automatically. The time and date can be set automatically by the clock setting data transmitted from one of the regular TV broadcast channels.

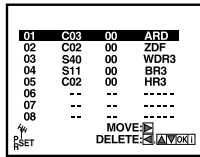
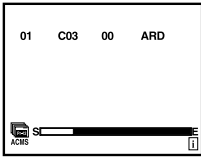


### NOTE:

If you have connected your TV to the recorder with RF connection and the on-screen display appearing on UHF channel 36 looks distorted, perform "Video Channel Set" on the right column.

A	: Austria	I	: Italy
B	: Belgium	N	: Norway
CH	: Switzerland	NL	: Netherlands
D	: Germany	P	: Portugal
DK	: Denmark	S	: Sweden
E	: Spain	SF	: Finland
F	: France	OTHERS	: Other countries

- When Plug&Play is completed, the Confirmation screen appears.



## 5 Return to normal screen

Press **MENU**.

## Initial Settings

### Video Channel Set

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

Perform the following steps only if interference appears in the TV picture after you have moved to a different area or a new station has started broadcasting in your area, or if you change the connection from RF connection to AV connection, or vice versa.

**If you have connected the recorder to your TV via the AV connection, set the video channel to off.**


**If you have connected the recorder to your TV via the RF connection, set the correct video channel.**

Turn on the recorder and TV.

#### 1 Set the channel on TV


Select the vacant position 36 on your TV.

#### 2 Access Video Channel Set mode


Press  on the remote control to enter the standby mode. Press and hold **PR+** or **-** on the recorder for more than 3 seconds.

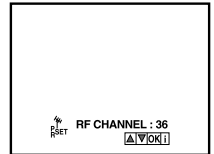
#### 3 Set video channel

##### With AV connection

Press **PR +** or **-** to set the video channel to "OFF". Then press .

##### With RF connection

Press **PR +** or **-** to set the video channel to a vacant position between 22 and 68 which is not occupied by any local station in your area. Then press .



##### With AV connection

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

##### With RF connection

To view picture signals from the recorder, set your TV to the video channel.

## Language Set

You can change the language setting manually as required.

Turn on the recorder and the TV, and set your TV to its AV mode or video channel.

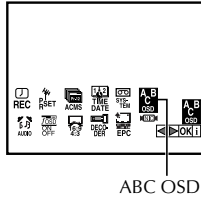
### 1 Access Main Menu screen

Press **MENU**. Press  $\triangleleft \triangleright$  to select the icon "ABC OSD", then press **OK**.

### 2 Select language

Press  $\triangle \nabla$  to select the desired language.

ENGLISH : English  
 DEUTSCH : German  
 FRANCAIS : French  
 ITALIANO : Italian  
 ESPAÑOL : Spanish  
 DUTCH : Dutch



### 3 Return to normal screen

Press **MENU**.

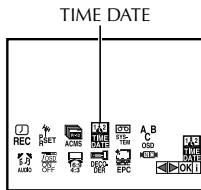
## Clock Set

Perform clock setting only if the clock has not been set correctly by the Plug&Play setting.

Turn on the recorder and the TV, and set your TV to its AV mode or video channel.

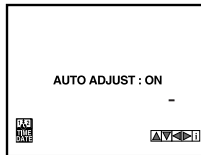
### 1 Access Main Menu screen, then Clock Set screen

Press **MENU**. Press  $\triangleleft \triangleright$  to select the icon "TIME DATE", then press **OK**.



### 2 Set "AUTO ADJUST" mode.

Set to "ON" or "OFF" by pressing  $\triangle \nabla$ , then press **OK**. Normally, set "AUTO ADJUST" to "ON".



#### NOTE:

*Auto Adjust may not function properly depending on the reception condition.*

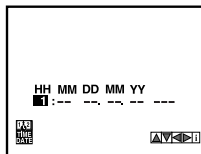
### 3 Set time, date and year

Press  $\triangle \nabla$  until the desired setting appears, then press  $\triangleright$ .

#### OR

Press the appropriate **number keys** for each setting.

- Input "0" before any single number entries.



HH: Hour  
 MM: Minute  
 DD: Day  
 MM: Month  
 YY: Year

### 4 Start clock

Press **MENU**.

## Tuner Set

Perform the following steps only if the tuner has not been set correctly by Plug&Play, or if you have moved to a different area, or if a new station starts broadcasting in your area.

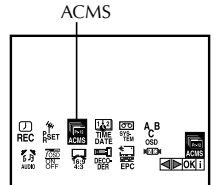
The recorder needs to memorize all necessary stations in your area. Auto Channel Set automatically assigns all receivable stations in your area.

Turn on the recorder and the TV, and set your TV to its AV mode or video channel.

## Auto Channel Set

### 1 Access Main Menu screen, then Auto Channel Set screen

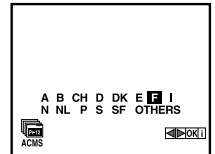
Press **MENU**. Press  $\triangleleft \triangleright$  to select the icon "ACMS", then press **OK**. The Country Set screen appears.



### 2 Select your country

Press  $\triangleleft \triangleright$  to select your country.

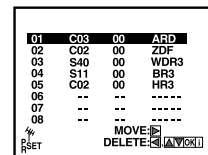
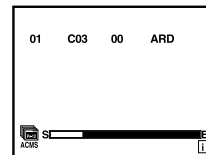
A : Austria  
 B : Belgium  
 CH : Switzerland  
 D : Germany  
 DK : Denmark  
 E : Spain  
 F : France  
 I : Italy  
 N : Norway  
 NL : Netherlands  
 P : Portugal  
 S : Sweden  
 SF : Finland  
 OTHERS : Other countries



### 3 Perform Auto Channel Set

Press **OK**.

- When Auto Channel Set is completed, the Confirmation screen appears.



### 4 Return to normal screen

Press **MENU**.

#### NOTES:

- Depending on reception conditions, the stations may not be stored in order, and the station names may not be stored correctly.
- To delete stations with poor reception condition, refer to "Deleting a channel" (p. 8).

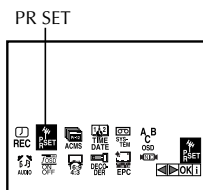
## Manual Channel Set

Store channels that were not stored during Plug&Play or Auto Channel Set.

### 1 Access Main Menu screen, then Manual Channel Set screen

Press **MENU**. Press  $\triangleleft \triangleright$  to select the icon "PR SET", then press **OK**.

- The Manual Channel Set screen of the channel position currently received appears.



### 2 Access Confirmation screen

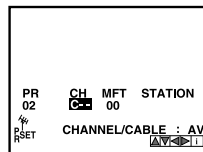
Press **MENU**.

### 3 Select position

Press  $\triangle \nabla$  to select the open channel position, then press **OK**.

### 4 Select band

Press **AV** to select C (regular) or S (cable).



### 5 Input channel

Press the **number keys** or  $\triangle \nabla$  to input the channel number you want to store. Input "0" before any single number entries.

- For fine tuning adjustment, press  $\triangleright$  to select "MFT" setting, then press  $\triangle \nabla$  to perform fine tuning.
- To input the registered station name, press  $\triangleright$  to select "STATION" setting, then press **OK**. Press  $\triangle \nabla$  until the desired station name appears.

### 6 Store new channel

Press **MENU**. The Confirmation screen appears.

- Repeat steps 3 – 6 as necessary.

### 7 Return to normal screen

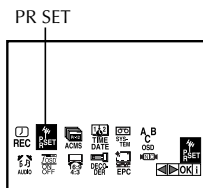
Press **MENU**.

## Deleting a channel

### 1 Access Main Menu screen, then Manual Channel Set screen

Press **MENU**. Press  $\triangleleft \triangleright$  to select the icon "PR SET", then press **OK**.

- The Manual Channel Set screen of the channel position currently received appears.



### 2 Access Confirmation screen

Press **MENU**.

### 3 Select position

Press  $\triangle \nabla$  to select the channel you want to delete.

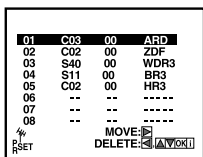
### 4 Delete channel

Press  $\triangleleft$ . The channel directly beneath the cancelled one moves up one line.

- Repeat steps 3 – 4 as necessary.

### 5 Return to normal screen

Press **MENU**.

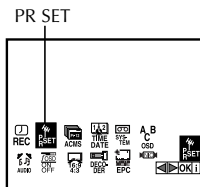


## Changing station channel positions

### 1 Access Main Menu screen, then Manual Channel Set screen

Press **MENU**. Press  $\triangleleft \triangleright$  to select the icon "PR SET", then press **OK**.

- The Manual Channel Set screen of the channel position currently received appears.



### 2 Access Confirmation screen

Press **MENU**.

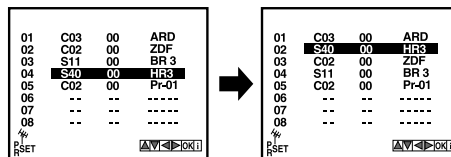
### 3 Select position

Press  $\triangle \nabla$  to select the station you want to move, then press  $\triangleright$ .

### 4 Select new position

Press  $\triangle \nabla$  to move the station to the new position, then press **OK**.

**Example:** If you moved the station in position 4 to position 2, the stations originally in positions 2 and 3 each move down one space.



- Repeat steps 3 – 4 as necessary.

### 5 Return to normal screen

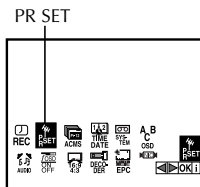
Press **MENU**.

## Changing station name (A)

### 1 Access Main Menu screen, then Manual Channel Set screen

Press **MENU**. Press  $\triangleleft \triangleright$  to select the icon "PR SET", then press **OK**.

- The Manual Channel Set screen of the channel position currently received appears.



### 2 Access Confirmation screen

Press **MENU**.

### 3 Select position

Press  $\triangle \nabla$  to select the channel, then press **OK**.

### 4 Select station name

Press  $\triangleright$  to select "STATION" setting, then press **OK**. Press  $\triangle \nabla$  until the desired station name appears, then press **OK**.

### 5 Check setting

Press **MENU**. The Confirmation screen appears.

- Repeat steps 3 – 5 as necessary.

### 6 Return to normal screen

Press **MENU**.

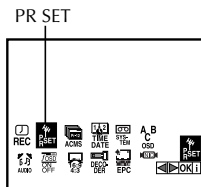


## Changing station name (B)

### 1 Access Main Menu screen, then Manual Channel Set screen

Press **MENU**. Press  $\triangleleft$   $\triangleright$  to select the icon "PR SET", then press **OK**.

- The Manual Channel Set screen of the channel position currently received appears.



### 2 Access Confirmation screen

Press **MENU**.

### 3 Select position

Press  $\triangle$   $\nabla$  to select the channel, then press **OK**.

### 4 Select character for station name

Press  $\triangleright$  to select "STATION" setting, then press **OK**. Press  $\triangleright$  until the first letter of the station name begins blinking.

### 5 Enter new character

Press  $\triangle$   $\nabla$  to cycle through the characters, then press  $\triangleright$ . Enter the remaining characters the same way (maximum of 5). After entering all characters, press **OK**.

- The characters available for the station name are A–Z, 0–9, +, -, . (period), \_ (space).
- If you make a mistake, press  $\triangleleft$  until the incorrect character begins blinking. Then enter the correct character by pressing  $\triangle$   $\nabla$ .

### 6 Check setting

Press **MENU**. The Confirmation screen appears.

### 7 Return to normal screen

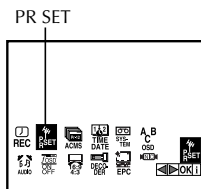
Press **MENU**.

## Fine-tuning channels

### 1 Access Main Menu screen, then Manual Channel Set screen

Press **MENU**. Press  $\triangleleft$   $\triangleright$  to select the icon "PR SET", then press **OK**.

- The Manual Channel Set screen of the channel position currently received appears.



### 2 Access Confirmation screen

Press **MENU**.

### 3 Select position

Press  $\triangle$   $\nabla$  to select the channel you want to tune, then press **OK**.

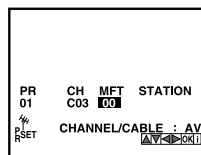
### 4 Perform tuning

Press  $\triangleleft$   $\triangleright$  to select "MFT" setting, then press  $\triangle$   $\nabla$  until the picture is its clearest.

- Repeat steps 3 – 4 as necessary.

### 5 Return to normal screen

Press **MENU** twice.



## TV station and ID list

STATION*	STATION NAME	STATION*	STATION NAME
3SAT	3SAT	RAI2	RAI2
ANT	ANTENA	RAI3	RAI3
ARD	ARD	RETE1	RETE1
ARTE	ARTE	RETE4	RETE4
B1	BERLIN1	RIKIS	Ríkisutvarpid-Sjonvarp (Iceland)
BBC1	BBC1	RTBF1	RTBF1
BBC2	BBC2	RTBF2	RTBF2
BR3	BAYERN3	RTL	RTL
BRTN	BRTN TV1 (Belgium)	RTL2	RTL2
CANAL	CANAL PLUS	RTL4	RTL4
CAN5	CANALE5	RTL5	RTL5
CNN	CNN	SAT.1	SAT1
DR1	DR1	SF1	SF1
DR2	DR2	SFB	SFB
DSF	DSF	SPORT	SPORT
EURO	EURONEWS	SR6	SR6
FILMN	FILM	SVT	SVT
FR2	France2	SVT1	SVT1
FR3	France3	SVT2	SVT2
HR3	HESSEN3	SVT4	SVT4 (Sweden)
HRT	HRT (Croatia)	SWF3	SWF3
ITA-1	ITALIA1	TEL21	TELE21
KABEL	KABEL1	TELE5	TELE5
M6	M6	TF1	TF1
MDR3	MDR3	TMC	TELEMONTECARLO
MTV	MTV	TNT	TNT INT
MTV3	MTV3	TRT	TRT INT
N3	NORD3	TSI	TSI
N-TV	N-TV	TSR	TSR
NDR3	NDR3	TV1	BRTN TV1
NED1	NED1	TV2	TV2
NED2	NED2	TV3	TV3
NED3	NED3	TV5	TV5
NET2	Network 2 (Ireland)	TVE	TVE (Spain TVE 1/2)
NELON	NICKELODEON	TVE1	TVE1
NRK	NRK	VIVA	VIVA
ORB3	ORB3	VOX	VOX
ORF1	ORF1	VTM	VTM
ORF2	ORF2	WDR3	West3
ORF3	ORF3	YLE1	YLE1
PREM.	PREMIERE	YLE2	YLE2
PRO7	PRO7	ZDF	ZDF
RAI1	RAI1		

\* The "STATION" abbreviation is what is shown on-screen in lieu of the station name. The "STATION" abbreviation is listed in the Confirmation screen and is displayed on the screen when the recorder is tuned to a different station.

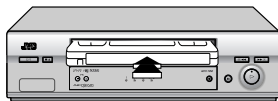
# Playback

## Basic Playback

Turn on the TV and select the AV mode or video channel.

### 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 pointing towards the recorder.



- Do not apply too much pressure when inserting.
- The recorder turns on, and the counter is reset, automatically.
- If the cassette's record safety tab has been removed, playback begins automatically.

### 2 Start playback

Press ►.

- If the tape reaches its end during playback, the recorder stops playback, rewinds the tape and ejects the cassette, then enters the standby mode automatically.

## During playback

### Stop playback

Press ■ on the remote OR Press ■/▲ on the recorder control.

### Pause playback and view still picture

Press II.

- The recorder enters Pause mode after moving 2 or 3 frames.
- If there is vertical jitter, use the PR+/- to correct the picture.
- Press ► to resume normal playback.
- Still picture playback stops automatically after about 5 minutes to protect the heads.

### Pause and Frame-by-Frame playback

Press II to pause, then press II repeatedly.

- Press ► to resume normal playback.

### Slow-motion

#### HR-J590/J593/J599EU

During still picture, press ▷ to start forward slow motion playback. If you press II, still picture resumes.

#### HR-J290/J293EU

During playback or still, press and hold II for 2 seconds, then release it. Press ▷ or II again to resume playback or still picture.

- Slow motion playback stops automatically after about 30 seconds to protect the heads, then normal playback resumes.

### High-Speed Search

Press ◀◀ or ▶▶.

- Press ► to resume normal playback.
- High-speed search stops automatically after about 3 minutes to protect the heads, then normal playback resumes.

### Variable Speed Search (HR-J590/J593/J599EU only)

Press ◁ or ▷ repeatedly.

- Press ► to resume normal playback.
- Each time you press ◁ or ▷, the playback speed changes. To decrease the speed during picture search, press the opposite direction button repeatedly.
- If there is vertical jitter, use the PR+/- to correct the picture.

### ATTENTION:

In the search, still, slow-motion or frame-by-frame playback mode,

- the picture will be distorted
- the noise bars will appear
- there will be a loss of color with an LP-recorded tape (HR-J590/J593/J599EU only)

## Variable Speed Search (HR-J590/J593/J599EU only)

Reverse search 2 steps	Reverse play	Forward slow motion 1 step	Normal play	Forward search 2 steps
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## When the tape is not running

### Rewind/fast-forward at high speed

Press ◀◀ or ▶▶.

- If you press and hold ◀◀ or ▶▶ during rewinding or fast-forwarding, you can see the picture on the screen. Releasing it cancels the picture search and resume rewinding and fast-forwarding.

### Eject the cassette

Press ▲. OR Press ■/▲ on the recorder.

- You can also eject the cassette when the recorder is standby mode.

### Turn off the recorder

Press ⏻/I on the remote OR Press ⏻/I on the recorder. The recorder enters the standby mode. The recorder enters the standby mode.

## Playback Features

### Adjusting tracking condition

#### Automatic tracking adjustment

When a new cassette is loaded, the recorder enters the automatic tracking mode.

#### Manual tracking adjustment

If automatic tracking cannot eliminate noises well during playback, adjust the tracking manually.

Press and hold PR + or - to eliminate the noises.

### Selecting Soundtrack (HR-J590/J593/J599EU only)

Your recorder is capable of recording four soundtracks (STEREO, LEFT, RIGHT and MONO) and plays back the one you select. Set "AUDIO" to the appropriate mode. (ⓘ 5)

### NOTE:

Set "OSD" to "ON" to display the indications on the screen.

(ⓘ 5)

### Rewind Power Off

When the tape is not running, press ◀◀, then press ⏻/I. "REW" blinks on the screen. The recorder enters the standby mode automatically after rewinding the tape.

### Ez (Easy) Power Off

During playback, press ◀◀▲⏻. The recorder stops playback, rewinds the tape and ejects the cassette, then enters the standby mode automatically.

### Playing back selected scene repeatedly

#### — Ez (Easy) Repeat Playback

During playback, press and hold ⇄. The recorder starts the reverse search. Release this button at the point you want repeat playback to start. The recorder repeats the selected scene twice.

- During Ez repeat playback, "EZ REPEAT" appears on the screen.

### Skipping unwanted portions

#### — Skip Search

Press 30 SEC ⏮ once to 6 times during playback. Each press initiates a 30-second period of high-speed playback (up to 3 minutes). When the specified portion of the tape is skipped, normal playback resumes automatically. To return to normal playback during Skip Search, press ►.

## Recording

### Accidental erasure prevention

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



## Basic Recording

Turn on the TV and select the AV mode or video channel.

### 1 Load a cassette

Make sure the record safety tab is intact. If not, cover the hole with adhesive tape before inserting the cassette.

- The recorder turns on, and the counter is reset, automatically.

### 2 Select recording channel

Press **PR+/-** or the **number keys**.

- You can select channel in the stop mode or recording pause mode.

### 3 Set tape speed (HR-J590/J593/J599EU only)

Press **SP/LP** (//). The current setting for the tape speed appears on the screen for about 3 seconds. Press **SP/LP** (//) again to change the setting while tape speed is displayed.

### 4 Start recording

Press **●**.

- If the tape reaches its end during recording, the recorder stops recording, rewinds the tape and ejects the cassette, then enters the standby mode automatically.

### During recording

#### Pause recording

Press **II**.

- Press **II** to resume recording.
- You can select channel in the recording pause mode.
- There will be a loss of color, or the picture will be distorted where the channel is changed.

#### Stop recording

Press **■** on the remote **OR** Press **■/▲** on the recorder control.

## Recording Features

### Tape Position/Time Counter

Press **⓪ OK** repeatedly to display the tape position and time counter on the screen. To reset the time counter, press **0000**.

#### NOTES:

- Set "OSD" to "ON" to display the indications on the screen. (☞ 5)
- Depending on the type of tape used, the tape position may not appear right away.

### Memory Stop Facility

The recorder stops automatically when rewinding the tape and the counter reaches "M 0:00:00". If you set the counter to "M 0:00:00" before the playback or recording, you can easily access the pre-selected position by using the time counter.

- 1 Press **OK** repeatedly to display the counter on the screen.
- 2 Press **0000** to reset the counter before playback or recording.
- 3 Start playback or recording.
- 4 Press **◀◀** after playback or recording. The tape rewinds and stops automatically when the counter reaches to "M 0:00:00".

## Watching one programme while recording another

If your recorder is connected to the TV via the AV connection, press **TV/VCR**.

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 screen while the one selected with the **PR+/-** is recorded on the tape.

- If a decoder is connected to the recorder, you can select a scrambled channel as well with the TV channel controls.

## Specifying recording length

### — Instant Timer Recording (ITR)

During recording, press **●** (ITR) repeatedly until the desired recording length appears on the screen.

- Each time you press the button, recording length increases in 30-minute intervals (up to 9 hours).
- The recorder enters the standby mode after recording is finished.
- To cancel an ITR, press **■** on the remote control or **■/▲** on the recorder.

## Receiving stereo and bilingual programmes (HR-J590/J593/J599EU only)

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.

- To listen to a stereo programme, set "AUDIO" to "STEREO". (☞ 5)
- To listen to a bilingual programme, set "AUDIO" to "LEFT" or "RIGHT". (☞ 5)
- To listen to the standard (regular monaural) audio while receiving a NICAM broadcast, set "AUDIO" to "MONO". (☞ 5)

#### NOTE:

Set "OSD" to "ON" to display the indications on the screen. (☞ 5)

### 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 is recorded on the normal audio track.

### To record NICAM stereo and bilingual programmes

The NICAM audio programme is recorded on the Hi-Fi audio track, and the standard audio programme on the normal audio track.

#### NOTES:

- Set "NIC" to "AUTO". (☞ 5)
- If the quality of stereo sound being received is poor, the broadcast may be received in monaural with better quality.
- Before playing back a programme recorded in stereo, or a bilingual programme, set "AUDIO" to the appropriate mode. (☞ 5)

## Timer Recording

Up to 7 timer recording programmes within a month can be made.

### Before starting:

- Set the clock properly. (☞ 7)
- Set "SYSTEM" to the appropriate mode. (☞ 4)
- Load a cassette with the record safety tab intact.

### NOTES:

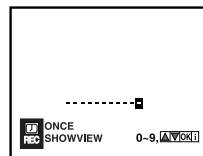
- If all the 7 programmes have already been set, "PROGRAM FULL" appears on the screen.
- If there is a conflict in the timer schedule and one programme overlaps with another, the programme starting earlier will be recorded. If the start times are the same, the programme made most recently will be recorded.
- If you wish to stop timer recording which has already started, press  $\psi/1$ .
- After timer recording is completed, the recorder enters the standby mode automatically.
- If the tape reaches its end during timer recordings, the recorder stops recording, rewinds the tape and ejects the cassette, then enters the standby mode automatically.
- You can programme the timer recording while a regular recording is in progress; the menu screens will not be recorded.

## SHOWVIEW® Timer Programming

The SHOWVIEW numbers are the numbers next to the programme in most TV listing.

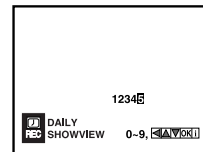
**1** Press **SHOWVIEW** to access the SHOWVIEW number screen.

- Press  $\triangle/\nabla$  to select "ONCE" (once), "DAILY" (Monday–Friday) or "WEEKLY" (weekly serials).



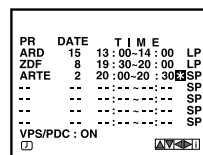
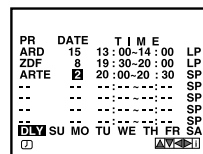
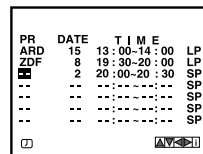
**2** Press the appropriate **number keys** to input the SHOWVIEW number, then press **OK**. The program list appears.

- If the number you entered is invalid, "PLEASE CHECK" appears on the screen. Input a valid SHOWVIEW number, then press **OK**.
- If the number you entered is invalid, press  $\triangle/\nabla$ , then input a valid SHOWVIEW number.



**3** Check the settings.

- If "- -" is displayed on the channel position, press  $\triangle/\nabla$  to select "- -", then press the **number keys** or  $\triangle/\nabla$  to select the channel position you want to record manually. This channel position is registered to the recorder.
- To change the channel position, press  $\triangle/\nabla$  to select the "PR" setting, then press the **number keys** or  $\triangle/\nabla$  to select the channel position you want to record manually.
- To change the date, press  $\triangle/\nabla$  to select the "DATE" setting, then press the appropriate **number keys** or  $\triangle/\nabla$ .
- To change the daily or weekly serials, press  $\triangle/\nabla$  to select the "DATE" setting, then press **OK**. Press  $\triangle/\nabla$ , then press **OK**.
- To change the stop time, press  $\triangle/\nabla$  to select the stop time. Press the appropriate **number keys** or  $\triangle/\nabla$ .
- To set VPS/PDC, press  $\triangle/\nabla$  to select the space between the stop time and the tape speed, then press  $\triangle/\nabla$ . If you set "VPS/PDC" to "ON", "\*" appears.
  - ☞ "VPS/PDC Recording" on page 13.
- **HR-J590/J593/J599EU only**
  - To set the tape speed (SP/LP/IP), press  $\triangle/\nabla$  to select the tape speed, then press  $\triangle/\nabla$ .
  - ☞ "Intelligent LP Recording (HR-J590/J593/J599EU only)" on page 13.



**4** Press **MENU**. Press **MENU** again to return to normal screen.

**5** Press  $\psi/1$ . The recorder enters timer standby mode. The timer indicator and standby/record indicator light on the display panel.

- If a cassette has not loaded when the recorder enters the timer standby mode, the timer indicator blinks on the display panel.

To timer-record a satellite broadcast using the SHOWVIEW system:

- 1 Perform steps **1** – **5**. In step **3**, set the channel position to "AV2".
- 2 Set the satellite receiver to the appropriate channel before the selected programme begins.
- 3 Leave the satellite receiver's power on.

## Timer Programming

**1** Press **MENU**. Press  $\triangleleft$ / $\triangleright$  to select the icon "REC", then press **OK**. The programme list appears.

**2** Press **OK**.

**3** Press the appropriate **number keys** to set the channel, date, start time and stop time. Input "0" before any single number entries.

• To time-record daily (Monday–Friday) or weekly serials, press  $\triangleleft$ / $\triangleright$  to select the "DATE" setting, then press **OK**. Press  $\triangleleft$ / $\triangleright$ , then press **OK**.

• To set VPS/PDC, press  $\triangleleft$ / $\triangleright$  to select the space between the stop time and the tape speed, then press  $\triangle$ / $\nabla$ . If you set "VPS/PDC" to "ON", "\*" appears.  $\square$  "VPS/PDC Recording" below.

### HR-J590/J593/J599EU only

To set the tape speed (SP/LP/IP), press  $\triangleleft$ / $\triangleright$  to select the tape speed, then press  $\triangle$ / $\nabla$ .  $\square$  "Intelligent LP Recording (HR-J590/J593/J599EU only)" on the right column.

**4** Press **MENU**. Press **MENU** again to return to normal screen.

**5** Press  $\psi$ /I. The recorder enters timer standby mode. The timer indicator and standby/record indicator light on the display panel.

• If a cassette has not loaded when the recorder enters the timer standby mode, the timer indicator blinks on the display panel.

To timer-record a satellite broadcast using Timer Programming:

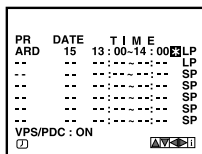
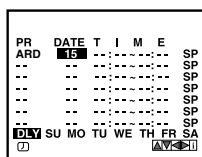
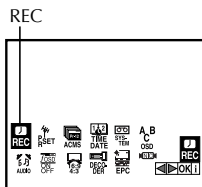
- 1 Perform steps **1** – **5**. In step **3**, set the channel position to "AV2".
- 2 Set the satellite receiver to the appropriate channel before the selected programme begins.
- 3 Leave the satellite receiver's power on.

## VPS/PDC Recording

Now available from some TV stations, PDC (Programme Delivery Control) and VPS (Video Programme System) are service designed to assure safe, accurate timer recording. With this system, your recorder will start and stop recording when the preset TV programmes actually start and end — even if the broadcast time of a preset TV programme is changed.

### NOTES:

- PDC recording is not possible in Central and Eastern Europe.
- It is not possible to set the tape speed to "IP" with "VPS/PDC" set to "ON".
- When you use Timer Programming, set the start time (VPS or PDC time) exactly as advertised in the TV listing.



## Intelligent LP Recording (HR-J590/J593/J599EU only)

When you set the tape speed to "IP", the recorder automatically switches to LP mode to allow complete recording if there is not enough tape to record the entire programme while timer-recording in SP mode.

**For example**, recording a programme of 210 minutes in length onto a 180-minute tape.

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

### NOTES:

- If you have programmed the recorder to timer-record 2 or more programmes, do not use this function, but change the tape speed manually during timer programming.
- There may be some noise and sound disturbance where the tape speed switches from SP to LP mode on the tape.
- This function is not available during ITR (Instant Timer Recording), and will not work properly with any tapes longer than E-180 or with some tapes of shorter lengths.
- It is not possible to set the tape speed to "IP" with "VPS/PDC" set to "ON".

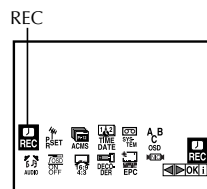
## Checking, canceling or changing programme settings

### 1 Disengage timer recording standby mode

Press  $\psi$ /I.

### 2 Access Main Menu screen

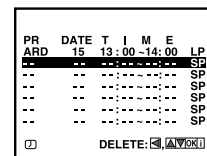
Press **MENU**. Press  $\triangleleft$ / $\triangleright$  to select the icon "REC", then press **OK**. The programme list appears.



### 3 Cancel or change programme setting

**To cancel a programme**, press  $\triangle$ / $\nabla$  to select the programme you want to delete, then press  $\triangleleft$ .

**To change a programme**, press  $\triangle$ / $\nabla$  to select the programme, then press **OK**. Press  $\triangleleft$ / $\triangleright$  to select the item you want to change, then press the **number keys** or  $\triangle$ / $\nabla$  to change the settings. After confirming all information is correct, press **MENU**.



### 4 Return to normal screen

Press **MENU**.

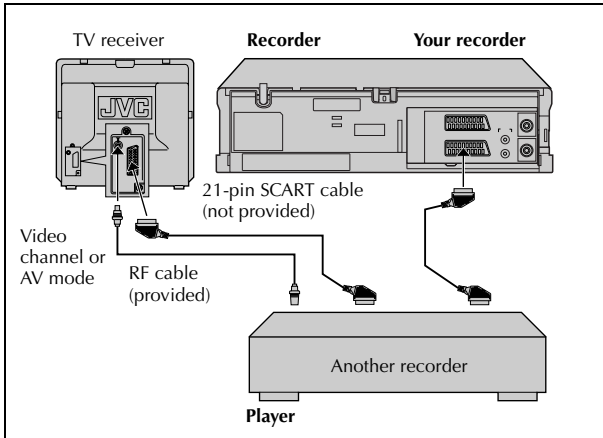
### 5 Re-engage timer recording standby mode

Press  $\psi$ /I. The recorder enters timer standby mode. The timer indicator and standby/record indicator light on the display panel.

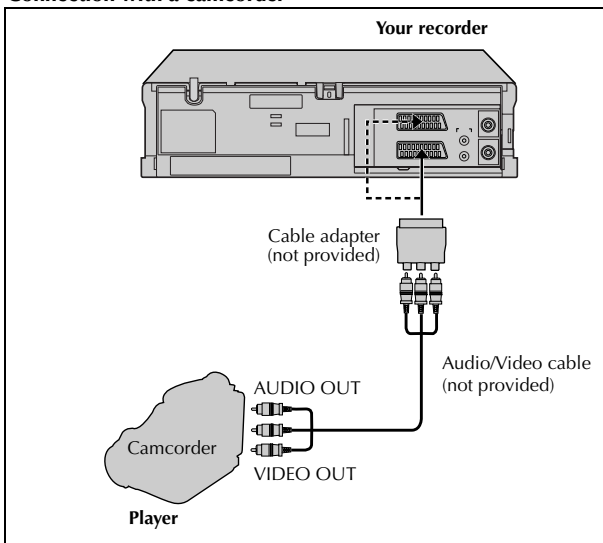
## Editing with another video recorder or a camcorder

You can use your recorder as the source player or the recording deck. You can use a camcorder as the source player and your recorder as the recording deck. Refer also to the other components' instruction manuals for connection and its operations.

### Connection with another video recorder



### Connection with a camcorder



### 1 Make connections

#### Connection with another video recorder

Connect EURO AV1 AUDIO/VIDEO or EURO AV2 DECODER connector to another video recorder.

#### Connection with a camcorder

Connect the camcorder's AUDIO/VIDEO OUT connectors to the recorder's EURO AV1 AUDIO/VIDEO or EURO AV2 DECODER connector via a cable adapter.

### 2 Load cassettes

Insert the playback cassette into the source player and the cassette to be recorded on into the recording deck.

### 3 Select input mode on recording deck

Select the correct external input on the recording deck. On this recorder, press **AV** and/or **PR+/-**.

Select "AV1" for the EURO AV1 AUDIO/VIDEO connector, or "AV2" for the EURO AV2 DECODER connector.

### 4 Select edit mode

Select the appropriate edit mode for the components if such a mode is equipped.

### 5 Start playback

Engage the Play mode of the source player.

### 6 Start recording

Engage the Record mode of the recording deck.

## System Connections

### Connecting to a satellite receiver

Connect the decoder to the satellite receiver's connector if you have a decoder, EURO AV1 AUDIO/VIDEO connector to TV's connector, and EURO AV2 DECODER connector to the satellite receiver's connector. Then connect the satellite receiver and TV.

- To record a programme via the satellite receiver, set the input mode to "AV2" by pressing **AV** and/or **PR+/-**.
- To receive a scrambled broadcast, descramble the signal with the decoder.
- For details, refer to the instruction manual for the satellite receiver and decoder.

### Connecting/Using a decoder

You can enjoy the variety of programming that is available through scrambled channels.

- 1 Set "DECODER" to "ON". (ⓘ 5)
- 2 Connect the recorder's EURO AV2 DECODER connector to the decoder's 21-pin SCART connector using a 21-pin SCART cable.


### Connecting/Using a stereo system (HR-J590/J593/J599EU only)

You can listen to the soundtrack through your stereo system. Connect the AUDIO OUT L and R connectors on the recorder to the AUX IN or TAPE MONITOR connectors on your stereo system's receiver or amplifier.

- When listening to sound through the connected stereo system, turn the TV's volume down completely.

## Subsidiary Settings

### Child Lock

You can disable the recorder's operations. While the recorder is turned on, press . "SAFE" appears on the screen.

To release the child lock, press  on the remote control until the power indicator blinks on the display panel.

- If any buttons on the recorder are pressed, "SAFE" appears on the screen and the power indicator blinks on the display panel.

#### NOTES:

- When the child lock function is in use, keep the remote control out of the children's reach.
- Timer recording programs will be performed even if the child lock function is activated.

# Specifications

## GENERAL

Power	: 200 V – 240 V~, 50 Hz/60 Hz
Power consumption	
Power on	: Approx. 12 W
Standby mode	: 3.0 W
Video Head system	
HR-J590/J593/ J599EU	: DA4 (Double Azimuth) head helical scan system
HR-J290/J293EU	: Rotary two-head helical scan system
Tape speed	
(SP)	: 23.39 mm/sec
(LP)*	: 11.69 mm/sec
* HR-J590/J593/J599EU only	
Tape format	: Tape width 1/2" (12.7 mm high density VHS tape)
Maximum recording time	
(SP)	: 240 min. with E-240 video cassette
(LP)*	: 480 min. with E-240 video cassette
* HR-J590/J593/J599EU only	
Rewind time	: Approx. 180 sec. with E-180 cassette
Dimensions (W x H x D)	: 360 mm x 94.5 mm x 270 mm
Weight	: 4.0 kg
Operating temperature	: 5°C to 35°C
Operating humidity	: Less than 80 %
Timer	: 24 hours display type

## VIDEO

Signal system	: PAL-type colour signal and CCIR monochrome signal, 625 lines 50 fields
Recording Format	: PAL/MESECAM
RF reception	: PAL (B/G)/SECAM (B/G)
RF OUT	: PAL G
RF modulator	: UHF channels 22 – 68 (Adjustable)
Input level	: VIDEO IN (SCART type) 1.0 Vp-p, 75 ohm, unbalanced
Output level	: VIDEO OUT (SCART type) 1.0 Vp-p, 75 ohm, unbalanced
Signal-to-noise ratio	: More than 43 dBm

## AUDIO

Input level	: AUDIO IN (SCART type) –6.0 dBm, more than 10 kΩ
Output level	
HR-J590/J593/ J599EU	: AUDIO OUT (SCART, RCA type) –6.0 dBm, less than 1 kΩ
HR-J290/J293EU	: AUDIO OUT (SCART type) –6.0 dBm, less than 1 kΩ
Audio track	
HR-J590/J593/ J599EU	: Mono track and Hi-Fi track
HR-J290/J293EU	: Mono track
Audio frequency response	
Normal audio	: 100 Hz to 10,000 Hz (–6/+3 dBm)
Hi-Fi audio*	: 20 Hz to 20,000 Hz (–3/+3 dBm)
* HR-J590/J593/J599EU only	
Audio signal to noise ratio [HR-J590/J593/J599EU only]	
Hi-Fi audio	: More than 70 dB (JIS A filter)
Audio dynamic range [HR-J590/J593/J599EU only]	
Hi-Fi audio	: More than 85 dB (JIS A filter)

## ACCESSORIES

Provided accessories	: RF cable, Infrared remote control unit, "R3" battery x 2
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Specifications shown are for SP mode unless specified otherwise.  
E. & O.E. Design and specifications subject to change without notice.