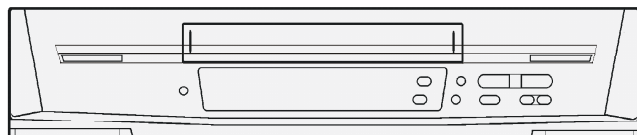


Video Cassette Recorder
Operating Instructions

NV-FJ614 Series (Hi-Fi)

NV-FJ613 Series (Hi-Fi)

NV-SJ216 Series (Mono)



SUPER DRIVE



Model:
NV-FJ614

SHOWVIEW



Model:
NV-FJ613
NV-SJ216

Standard Accessories:
1 remote control
1 RF coaxial cable
1 mains lead
2 batteries, type R6

Panasonic

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OSD = On Screen Display
VCR = Video Cassette Recorder
TV = Television

Please read through all these operating instructions (especially the safety information) before connecting or operating the VCR, or adjusting any settings.

Warning and Important Information

Please observe copyright laws when recording sound tracks and film.

For your own safety and to protect the VCR:

- Do not remove outer cover, to prevent electric shock. There are no serviceable parts inside. Refer all servicing to qualified service personnel.
- Only transport and set up the VCR in a horizontal position.
- Only connect cables when all the parts of the VCR are switched off.
- Only clean the outside of the VCR, using a soft cloth and no cleaning fluid.
- The mains lead must not be used for other equipment.
- In case of rapid temperature changes, do not operate your VCR for minimum 1 hour.

As this equipment gets hot during use, operate it in well ventilated place; do not install this equipment in confined space such as a bookcase or similar unit.

To prevent fire, electric shocks and damage :

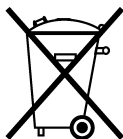
The VCR, the remote control, the mains lead and the cassettes must not be used if it is damaged. Protect them from:

- Insertion of fingers or objects
- Direct sunlight, heat, cold, rain, wetness, soiling and dust
- Shock and mechanical stress (do not bend the mains lead)
- Electric and magnetic fields
- Lightning strikes during thunderstorms (disconnect mains and aerial plugs)

Conserve the environment: See Power save on page 9.

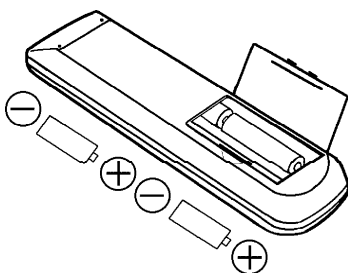
Disposal of old equipment:

Batteries, packaging and old equipment should not be disposed of as domestic waste, but in accordance with the applicable regulations.



Instructions on inserting Remote Control Batteries:

- The lifetime of the battery is about 1 year, depending on the frequency of use.
- Do not use one old and one new battery, or different types of batteries together (e.g. one alkali and one zinc-carbon battery).
- Only insert batteries which contain no toxic materials (such as lead, cadmium, mercury).
- Do not use rechargeable batteries (nickel-cadmium batteries).
- If the remote control will not be used for a long time, remove the batteries and store them in a cool and dry place.
- Do not heat or short-circuit the batteries.
- Remove spent batteries immediately and replace them with type AA, UM3 or R6.
- Observe the ⊕ and ⊖ polarities when replacing the batteries.



Safety Information



This equipment complies with European conformity requirements, in accordance with the conditions of electromagnetic compatibility and product safety.



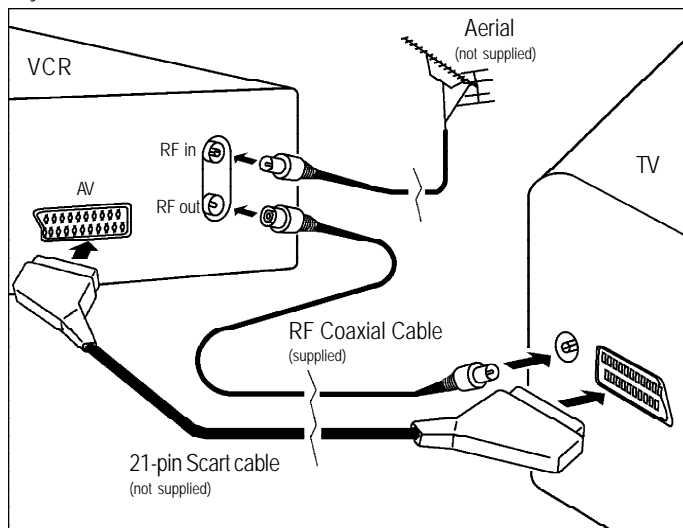
This equipment complies with the requirements of protection class 2.



This equipment complies with the safety requirements of the VDE (German Association of Electrical Engineers).

Connecting and Setting up

Set up the connections shown here, and connect the mains lead (supplied) to your AC mains.



Note:
The RF (radio frequency) coaxial cable must be connected for TV reception, even if the video recorder is already connected with a 21-pin Scart cable.

Automatic Setting

VCR Switch on the VCR and the [Country] setting menu will appear. Use the cursors ▲▼◀▶ on the remote control to select your country. (Operation of cursors see Menu Operation on page 5.)

On Screen Display

Country	Panasonic	VCR
Belgien	Deutschland	
Belgique	Österreich	
België	Portugal	

OK After pressing **OK**, all the TV stations which can be received will be tuned automatically in about 5 minutes.

When the menu [Clock setting] appears, use the cursors ▲▼◀▶ on the remote control to select the Time and Date manually.

Clock setting	Panasonic	VCR
Clock setting : MAN.		
Time : 20:30:24		
Date : 21.03.01		

OK To end this procedure, press **OK**.

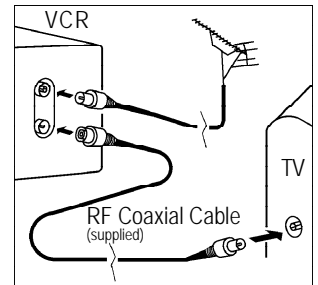
EXIT Press this button to exit the Settings.

Notes:

- More information about the remote control, see page 4-5.
- If the selection for the Country menu does not appear after switching on the VCR, you can restart the Automatic Setting; see VCR Settings on page 8.
- An incorrect setting of Time or Date (observe summer- and wintertime) will influence the Timer recording.
- If you select the country [Suisse] the menu [Power save] will appear. Select the settings with the cursors ▲▼ and store with **OK**. More information see on page 9.

If you want to connect the TV only with a RF Coaxial Cable (supplied), you must ensure that the video output channel is adjusted to the input channel of the TV.

For this purpose, please also read the operating instructions for your TV.



VCR



Switch on the VCR

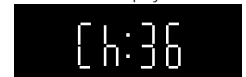
MENU



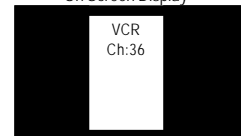
Press the MENU Button for about 7 seconds until the number of the channel appears on the VCR display (the pre-setting is channel 36).

Tune the TV until the test screen appears.

VCR display



On Screen Display



A distorted picture on the **channel** can be reduced, by adjusting the VCR and the TV to another channel.



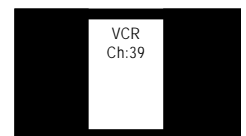
Use this button to select the channel number (e.g. channel 39).



Tune the TV until the test screen appears.

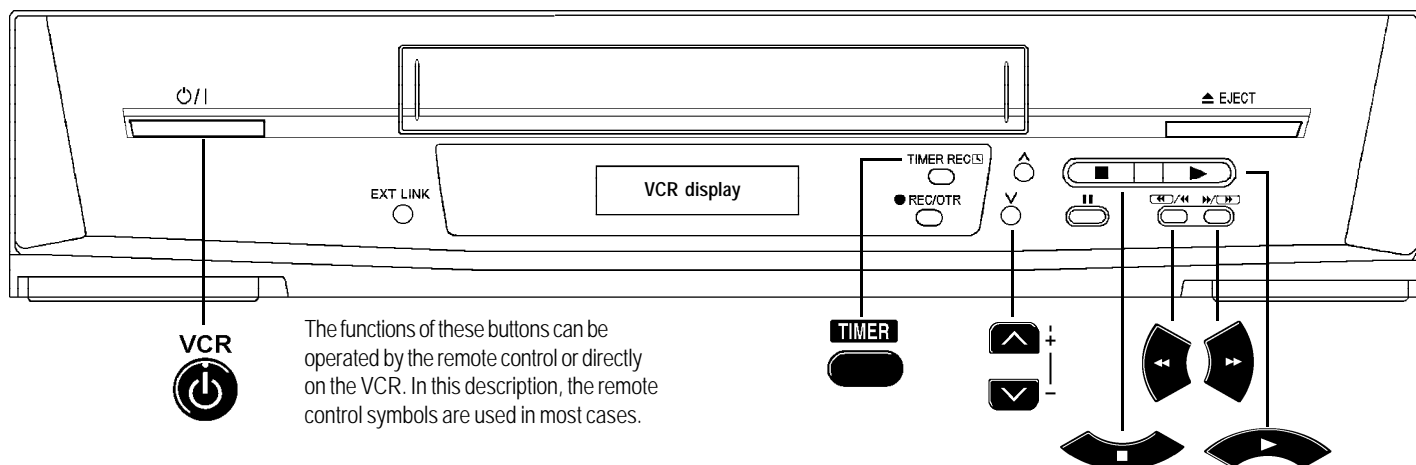


To store this adjustment, press **OK**.

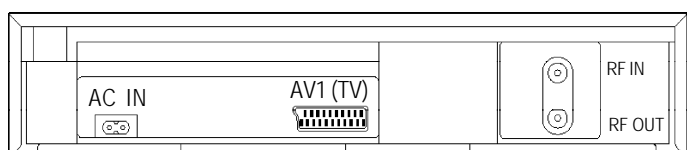


After that, please continue with the **Automatic Setting** with the [Country] setting menu.

Controls and Components



The functions of these buttons can be operated by the remote control or directly on the VCR. In this description, the remote control symbols are used in most cases.



Playback

VCR display



Playback (indicated by = ▷)



Fast Forward and Forward Search (Cue)



Fast Rewind and Backward Search (Review)



- To select Fast Forward or Fast Rewind, press these buttons when the video has stopped.
- To briefly watch the picture during Fast Forward or Fast Rewind, hold down the corresponding button.
- To Search press these buttons briefly during playback, and the search will continue until the Playback Button ▷ is pressed. Two times pressing increases search speed (JET SEARCH).
- If you keep this button pressed, the search function will continue until you release the button.



Stop (indicated by = □)

To stop winding a tape, recording or playback.



Still Playback



- Press this button during playback on the remote control or on the VCR □.
- Resume normal playback by pressing this button again or the Playback Button ▷.



Slow Playback

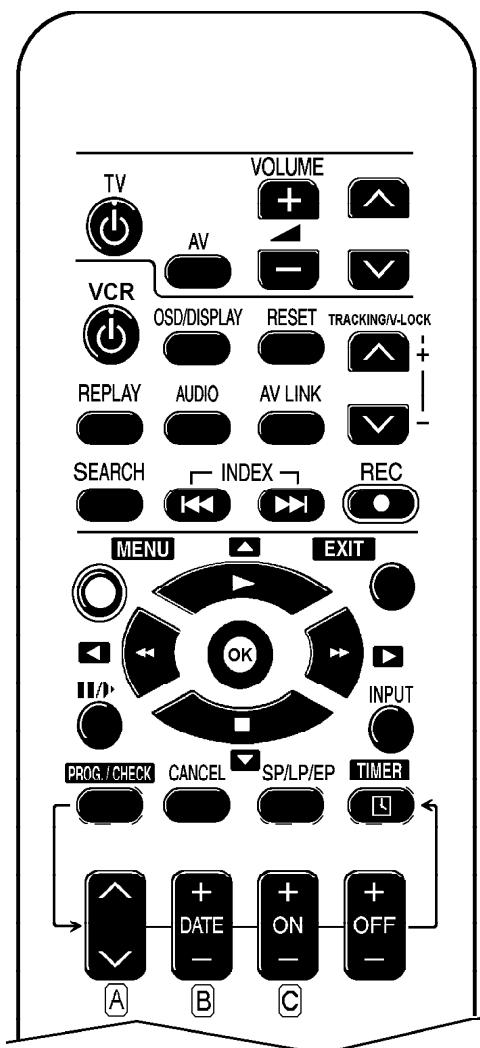


- Keep this button pressed down on the remote control for more than 2 seconds during playback.
- Resume normal playback by pressing the Playback Button ▷.

Notes:

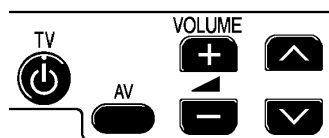
To preserve the video heads, the following functions are switched off automatically after 5 - 10 minutes (Distorted pictures and tape transport noises during these functions are not functional faults):

- Forward Search (Cue)
- Backward Search (Review)
- Jet Search
- Still Playback
- Slow Playback.



For NV-FJ614 Series (Hi-Fi) see page 12.

TV Operation



This part of the remote control is used to operate some Panasonic TV.


TV
To switch the TV on and off.

AV
To select the AV input on the TV.

VOLUME
To operate the TV volume.

To select the TV channel.

VCR Operation

EJECT
To remove the cassette, press the EJECT Button on the VCR or press the Button  for more than 3 seconds on the remote control.

VCR
To switch the VCR on and off

AUDIO
To change the Sound mode, press this button repeatedly.
*This button is only activated for :
NV-FJ614 Series (Hi-Fi), NV-FJ613 Series (Hi-Fi)*
Stereo sound: Display L R
Left channel: Display L
Right channel: Display R
Mono sound: No display appears.

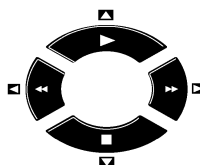
OSD/DISPLAY
To display the time, Tape counter or Remaining tape time
press this button repeatedly.


RESET
To reset the Tape counter
press this button. When inserting a cassette, the counter is reset to 0:00.00 .

INPUT
To change over to VCR AV channel
press this button repeatedly.

REPLAY
To operate REPLAY Function,
press this button while playback

Menu Operation



These buttons are also used as cursors  in order to select items on the menu.

MENU
To display the Main menu.

EXIT
To EXIT a menu.

OK
To select or store a function.

Recording

Switch on the TV to the video output channel, and insert a cassette with an intact erasure prevention tab into the VCR.

- Before **recording**,
select the channel with this button
(select the AV channel if you want to record a programme fed with a 21-pin Scart cable).

VCR display



- Press this button to start recording.
Press the **Stop Button** to stop recording.



- Use this button to interrupt recording.
Restart recording by pressing this button again.
To preserve the video heads, the function will be switched off after 5 minutes.



You can also carry out these functions using the VCR buttons.


REC/OTR OTR Function

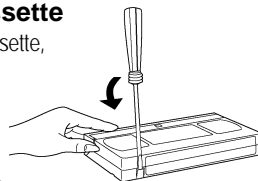
- (OTR = One Touch Recording)
To record for a specific length of time, press this button on the VCR.
You can extend the recording time from **30, 60, 120, 180 to 240 minutes** by pressing the button repeatedly.
The selected length of recording time will appear on the VCR display.

If you want to watch **another TV programme at the same time** as you are recording, select the channel on the TV.

Erasure prevention of a cassette

To prevent the accidental erasure of a cassette, remove the erasure prevention tab.

If you want to record again on a cassette with erasure prevention, and this symbol  is flashing on the VCR display, then cover the hole with adhesive tape.



SP/LP/EP Tape Speed

- This function is only activated for :*
NV-FJ614 Series (Hi-Fi), NV-FJ613 Series (Hi-Fi)
Press this button before recording, in order to select the tape speed for the recording.

The following information appears on the VCR display :

- SP standard recording time: optimum picture quality.
LP double recording time: slightly reduced picture quality.
EP (SUPER LP) triple recording time: slightly reduced picture quality.

Note:

Distorted pictures produced when playing back some cassettes (e.g. type E300) after LP or EP recordings are not functional faults.

Timer Recording

With the **On Screen Menu** you can programme Timer recordings (up to 16 programmes).
Switch on the TV to the video output channel, and insert a cassette with an intact erasure prevention tab into the VCR.



Switch on the VCR

PROG./CHECK



Press this button to display [Timer recording] menu



Set the channel



Set the recording date, day or week.

For example: Sa means that the programme will be recorded every Saturday, or Mo - Sa means that the programme will be recorded every day from Monday to Saturday.

Su=Sunday, Mo=Monday, Tu=Tuesday, We=Wednesday, Th=Thursday, Fr=Friday, Sa=Saturday



Set the start time.

If you keep this button pressed down, the time will change in 30 minute jumps.



Set the stop time.

On Screen Display

Panasonic VCR 1/2					
Timer recording					
Pos	Name	DATE	Start	Stop	
			ON	OFF	
1.	***22	Mo-Sa	13:30	14:00	LP
2.	***22	20/9	15:00	16:00	SP
3.	----	-/-	--:--	--:--	-

SP/LP/EP Set the Tape Speed SP/LP/EP or A (automatic).



This function is only activated for :

NV-FJ614 Series (Hi-Fi), NV-FJ613 Series (Hi-Fi)

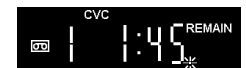
See also the description for Recording.

In the setting A (automatic), the VCR automatically switches (with a short picture distortion) to the slow tape speed LP, to record the programme so long as possible.



In order to preset other recordings, repeat this procedure.

To check the **Remaining tape time**, look at the VCR display REMAIN.

Make sure that the remaining time on the cassette is longer than the time set for recording, otherwise the whole programmes cannot be recorded.



To store the programme, press .

You can use the cursors on the remote control to move around the menu , in order to make changes .

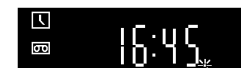
TIMER



Switch the VCR to Standby mode



for **Timer recording**.

Make sure that the VCR display  appears.



Timer Recording

TIMER To cancel Standby mode for Timer recording;


 press this button and the VCR display  will disappear.
Now you can playback a cassette or make a recording.

After that, you must press the button again to switch the VCR to the Standby mode for Timer recording.

PROG./CHECK To check the Timer recording

 press this button to display the [Timer recording] menu.

EXIT

 Press this button to exit.

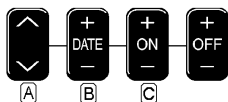
PROG./CHECK To delete or change a Timer recording,

 press this button to display the [Timer recording] menu.

Use   to select the entry to be changed.

CANCEL


 Press this button to delete the Timer recording.



Use the relevant function buttons to change the entries.

 Press this button to store these changes.

EXIT

 Press this button to exit.

Programme List

The List of the Timer recordings are stored if:

- the recordings are longer than 15 minutes (EP mode 25 minutes)
- the cassette was not removed of the VCR.

SEARCH Press this button to display the [Programme List].


Programme List				Panasonic VCR
Pos	Name	Date	Start	
1.	***01	27/10	17:44	
2.	***01	28/10	15:00	

Select the programme  .

By pressing the SEARCH Button again, the VCR will wind the tape to the selected programme and start to playback.

If you select another programme, press the SEARCH Button again, the playback will stop and the [Programme List] will appear.

EXIT

 Press this button to exit.

Note:

If you have removed the cassette, or the power supply was interrupted, the Intro Jet Scan will be activated when pressing the SEARCH Button (see Other VCR Functions on page 8).



Other VCR Functions

- When a cassette is inserted, the VCR switches on automatically.
- When a cassette without an erasure prevention tab is inserted, the VCR will automatically start playback.
- The cassette will automatically be rewound when reaching the tape end.
- The CVC System (Crystal View Control) ensures optimum picture quality.

Repeat Playback Function

Press the **Playback Button** ▷ for more than 5 seconds when the VCR is on stop mode (the letter **R** will appear on the OSD). The VCR will keep replaying the cassette until the end of the recorded part. Press the **Stop Button** □ to exit this function.

Child Lock Function

To deactivate the buttons on the VCR and the remote control, press the  and  buttons at the same time until this display appears.



This display will also appear if attempts are made to operate the VCR when this function is activated, to inform that the VCR cannot be operated.

To cancel the **Child Lock Function**, press the same buttons until the display disappears.

If the power supply of the VCR is disconnected, the Child Lock Function is cancelled after about 60 minutes.

Playback Off Timer Function

To stop the playback after a preset time, press the **Playback Button** ▷ on the **VCR** for more than 3 seconds during playback.

You can extend the playback time from **30, 60, 120, 180 to 240 minutes** by pressing the button repeatedly. The selected length of playback time will appear on the VCR display.

Intro Jet Scan Function

You can playback the beginning of each recording with the **Intro Jet Scan Function**.

Press the **SEARCH Button**.

The VCR will rewind to the start of the tape, and play with high speed for 10 seconds the beginning of each recording (which is longer than 15 minutes).

Once you have found the recording, press the **Playback Button** ▷.

To cancel the search function, press the **Stop Button** □.

Note:

For more explanation of the **SEARCH Button**, see Programme List on page 7.

VHS Index Search System

To quickly find the beginning of a programme, press fast forward **INDEX Button** ►►, or press backward **INDEX Button** ◀◀. This function only works on playback mode or in stop mode.





Depending on how many times you press these **INDEX Buttons** (up to a maximum of 20 times), the VCR will search through the tape to find the start of the programme, and will automatically start playback (for each programme which is longer than 5 minutes). For example, if you press the **INDEX Button** three times, the VCR will search for the third programme.

To cancel the Index Search System, press the **Stop Button** □.

VCR Settings




Language setting

- Press **MENU**
- Select [Other settings] ▼
- Access by pressing 
- Select [Language] ▼
- Select the input field ►
- Select the setting ▲▼
- Store by pressing 
- Press **EXIT**

Main menu	Panasonic	VCR
Timer recording		
Tuning		
Clock setting		
Other settings		

Other settings	Panasonic	VCR
Tape length	: AUTO (◀E-240)	
SQPB	: AUTO	
Power save	: OFF	
VCR display	: DIMMED	
OSD	: 4:3	
AV	: TV / EXT	
TV system	: PAL	
Language	: English	
Country	: others	




Restart Automatic settings

- Press **MENU**
- Select [Tuning] ▼
- Access by pressing 
- Select [Auto - Setup Restart] ▼
- Press 
- Confirm by pressing 

Main menu	Panasonic	VCR
Timer recording		
Tuning		
Clock setting		
Other settings		

Tuning	Panasonic	VCR
Manual		
Auto - Setup Restart		
Shipping condition		



Restoring the original settings of the VCR (Shipping condition)

- Press **MENU**
- Select [Tuning] ▼
- Access by pressing 
- Select [Shipping condition] ▼
- Press 
- Confirm by pressing 

Main menu	Panasonic	VCR
Timer recording		
Tuning		
Clock setting		
Other settings		

Tuning	Panasonic	VCR
Manual		
Auto - Setup Restart		
Shipping condition		



Clock setting

- Press **MENU**
- Select [Clock setting] ▼
- Access by pressing 
- Set the Time and Date ▲▼◀▶
- Store these settings by pressing 
- Press **EXIT**

Main menu	Panasonic	VCR
Timer recording		
Tuning		
Clock setting		
Other settings		



Clock setting	Panasonic	VCR
Clock setting	: MAN.	
Time	: 20:30:24	
Date	: 21.03.01	

MESECAM setting

- Press **MENU**
- Select [Other settings] ▼
- Access by pressing 
- Select [TV system] ▼
- Select the input field ►
- Set [MESECAM] ▲▼
- Store by pressing 
- Press **EXIT**

Other settings	Panasonic	VCR
Tape length	: AUTO (E-240)	
SQPB	: AUTO	
Power save	: OFF	
VCR display	: DIMMED	
OSD	: 4:3	
AV	: TV / EXT	
TV system	: MESECAM	
Language	: English	
Country	: others	

Tape length setting

- Press **MENU**
- Select [Other settings] ▼
- Access by pressing 
- Select the input field ►
- Set [Tape length] ▲▼
- Store by pressing 
- Press **EXIT**

Other settings	Panasonic	VCR
Tape length	: E - 195	
SQPB	: AUTO	
Power save	: OFF	
VCR display	: DIMMED	
OSD	: 4:3	
AV	: TV / EXT	
TV system	: PAL	
Language	: English	
Country	: others	

VCR Settings

To change the order of the Channel positions and the names of the TV station

- Press **MENU**
- Select [Tuning] ▼
- Access by pressing **OK**
- Access [Manual] by pressing **OK**
- Select the Channel to be changed ▲▼
- Access by pressing **OK**
- Select the input field for [POS] ►
- **Input the Channel position** ▲▼
- Store the setting by pressing **OK**
- Select [Name] ▼
- Select the input field ►
- **Input the name of the TV station** selecting the first letter ▲▼
- Select the next letter ►
- Select the next letter ▲▼.
- To input an empty character, select the blank character between Z and * .
- Store the setting by pressing **OK**
- Press **EXIT**

Main menu			Panasonic	VCR
Timer recording				
Tuning				
Clock setting				
Other settings				

Tuning			Panasonic	VCR
Manual				
Auto - Setup Restart				
Shipping condition				

Tuning			Panasonic	VCR
Pos	Name	Ch		
1	***01	2		
2	***02	3		
3	***03	8		

Pos	: 1
Name	: ***01
Channel	: 2
Fine tuning	: AUTO
Video system	: PAL

Note:
Distorted pictures, you can adjust with [Fine tuning] and [Video system] .

Setting a new Channel Add / Delete / Move a Channel on the list

- Press **MENU**
- Select [Tuning] ▼
- Access by pressing **OK**
- Access [Manual] by pressing **OK**
- Search for an unused Channel position ▲▼
(for rapid search, keep the cursor button pressed down), or [Add] between other Channels using the DATE Button **B** and add by pressing **OK**
- Access by pressing **OK**
- Select the **new Channel** ▲▼
- Store by pressing **OK**
- Select [Tuning] menu by pressing **MENU**
- Select the **Channel to be deleted** ▲▼
- Select [Delete] by pressing the button **A**
- Delete by pressing **OK**
- Select the **Channel to be moved** ▲▼
- Select [Move] by pressing the ON Button **C**
- Move the Channel to the new position ▲▼
- Store this new position by pressing **OK**
- Press **EXIT**

Tuning			Panasonic	VCR
Pos	Name	Ch		
33	***33	125		
34	----	---		
35	***35	23		

Pos	: 34
Name	: ----
Channel	: 2
Fine tuning	: AUTO
Video system	: PAL

Pos	: 34
Name	: ----
Channel	: 2
Fine tuning	: AUTO
Video system	: PAL

Tuning			Panasonic	VCR
Pos	Name	Ch		
33	***33	125		
34	----	---		
35	***35	23		

A Delete	B Add	C Move
----------	-------	--------

Commands

Setting of On Screen Displays (OSD)

- Press **MENU**
- Select [Other settings] ▼
- Access by pressing **OK**
- Select [OSD] ▼
- Select the input field ►
- Select the settings ▲▼
- Store by pressing **OK**
- Press **MENU**

Main menu			Panasonic	VCR
Timer recording				
Tuning				
Clock setting				
Other settings				

Other settings			Panasonic	VCR
Tape length	: AUTO (◀E-240)			
SQPB	: AUTO			
Power save	: OFF			
VCR display	: DIMMED			
OSD	: 4:3			

4:3 displays are on the edge of the screen
(the displays are not visible during playback in 16:9 format)

16:9 displays are on the edge of the screen in 16:9 format
(the displays are in the centre of the screen in 4:3 format)

OFF No On Screen Displays

Setting of SQPB (S-VHS Quasi Playback)

- Press **MENU**
- Select [Other settings] ▼
- Access by pressing **OK**
- Select [SQPB] ▼
- Select the input field ►
- Select the settings ▲▼
- Store by pressing **OK**
- Press **EXIT**

Other settings			Panasonic	VCR
Tape length	: AUTO (◀E-240)			
SQPB	: AUTO			
Power save	: OFF			
VCR display	: DIMMED			
OSD	: 4:3			
AV	: TV / EXT			
TV system	: PAL			
Language	: English			
Country	: others			

SQPB settings:

AUTO VCR automatically recognises types of recordings

ON Playback of S-VHS recordings

OFF Only VHS recordings should be played

Note:
Distorted pictures during these playback function are not functional faults.

Settings of Power save and the Brightness of the VCR display

- Press **MENU**
- Select [Other settings] ▼
- Access by pressing **OK**
- Select [Power save] or [VCR display] ▼
- Select the input field ►
- Select the settings ▲▼
- Store by pressing **OK**
- Press **EXIT**

Other settings			Panasonic	VCR
Tape length	: AUTO (◀E-240)			
SQPB	: AUTO			
Power save	: ON			
VCR display	: OFF			
OSD	: 4:3			
AV	: TV / EXT			
TV system	: PAL			
Language	: English			
Country	: others			

Power save (when the VCR is switched off):

OFF The VCR is in normal operating mode

ON The VCR display is not illuminated (the VCR is saving power)

To switch ON the VCR use **⏻ / I** button on the VCR

Adjust the Brightness of the VCR display:
(only when the Power save function is set to OFF)

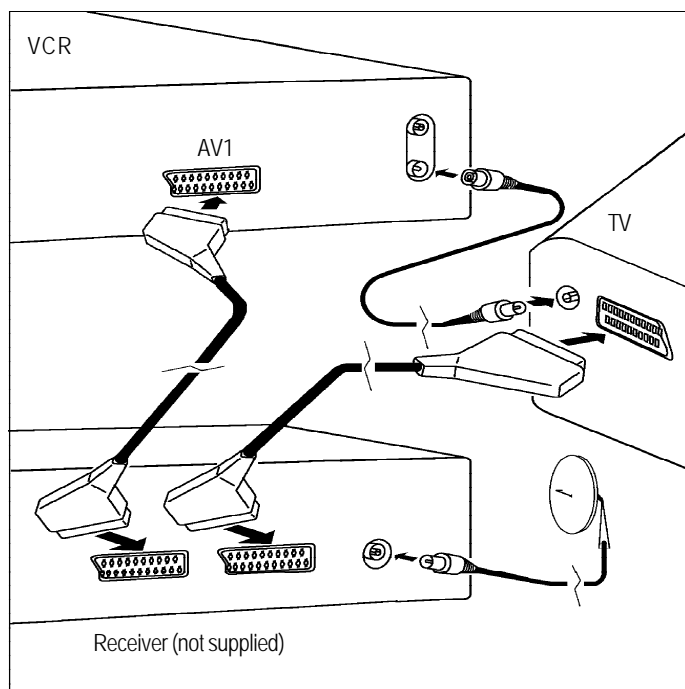
ON The VCR display is brightly illuminated

DIMMED The VCR display is dimmed

OFF The VCR display is not illuminated

Satellite- or Digital Receiver

With some Satellite- or Digital Receivers it is possible to start a Timer recording, with a 21-pin Scart cable (not supplied) by using EXT LINK function. (Please read the operating instructions for your Satellite- or Digital Receiver for further information).

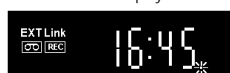


Controls for external recordings

- Press **MENU**
- Select [Other settings] ▼
- Access by pressing **OK**
- Select [AV] ▼
- Select the input field ►
- Select the settings ▲▼
- Store by pressing **OK**
- Press **EXIT**

Other settings	Panasonic	VCR
Tape length	: AUTO (◀E-240)	
SQPB	: AUTO	
Power save	: OFF	
VCR display	: DIMMED	
OSD	: 4:3	
AV	: EXT LINK 2	
TV system	: PAL	
Language	: English	
Country	: others	

VCR display



After you have preset the recording in the Satellite- or Digital Receiver, set the VCR on Standby Recording by pressing **EXT LINK** on the VCR.

As long as a video picture is being transmitted by the Satellite- or Digital Receiver, the VCR will record it. This notice is displayed on the screen.

In order to delete this notice, press **OK**. To stop the recording, press the **EXT LINK** Button on the VCR.

VCR now recording
this programme

EXT LINK2 To control external recording with some Satellite- or Digital Receiver.

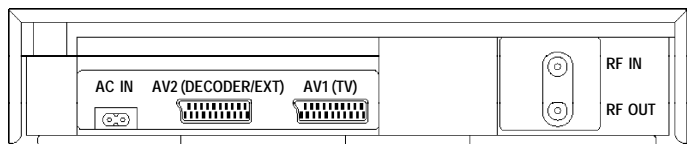
EXT LINK1 For a Digital Receiver which transmits a special control signal for recordings, for example the F.U.N. Receiver (TU-DSF30/S3).

TV / EXT To connect an external equipment (e.g. TV), the **EXT LINK** Button on the VCR is not activated.

Note:

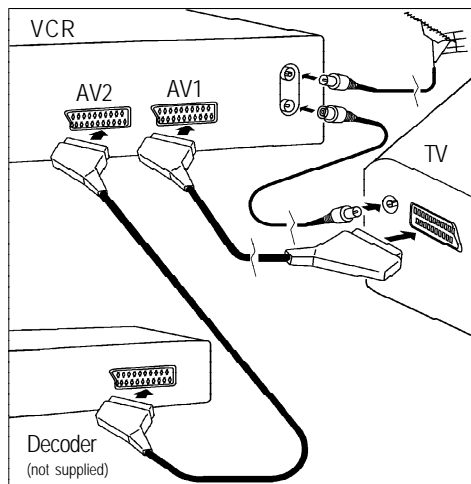
The programmes to be recorded on your VCR should not overlap with the recordings of the Satellite- or Digital Receiver.

Functions of the NV-FJ613 EC/ECM/ECN/ECY Series (Hi-Fi)



Connecting a Decoder

with a 21-pin Scart cable (not supplied) to AV2 of the VCR.



Set **AV2** to Decoder:

- Press **MENU**
- Select [Other settings] ▼
- Access by pressing **OK**
- Select [**AV2**] ▼
- Select the input field ►
- Select the settings ▲▼
- Store by pressing **OK**
- Press **EXIT**

Panasonic VCR	
Other settings	
Tape length	: AUTO (◀E-240)
SQPB	: AUTO
Power save	: OFF
VCR display	: DIMMED
OSD	: 4:3
AV2	: DECODER
TV System	: PAL
Language	: English
Country	: others

DECODER For connecting a Decoder.

EXT LINK2 To control external recording with some Satellite- or Digital Receiver.

EXT LINK1 For a Digital Receiver which transmits a special control signal for recordings, for example the F.U.N. Receiver (TU-DSF30/S3).

EXT To connect an external equipment (e.g. second VCR), the EXT LINK Button on the VCR is not activated.

Setting the sound system

The NV-FJ613 EC/ECM/ECN/ECY Series (Hi-Fi) can receive transmissions which are broadcast with **NICAM sound**.

This is a sound system with two sound channels which broadcasts either stereo sound or two separate mono channels (M1 and M2).

- Press **MENU**
- Select [Tuning] ▼
- Access by pressing **OK**
- Access [Manual] by pressing **OK**
- Select the channel ▲▼
- Access by pressing **OK**
- Select [Mono] ▼
- Select the input field ►
- Select the sound setting [ON] or [OFF] ▲▼
- Store by pressing **OK**
- Press **EXIT**

Pos	: 33
Name	: ***33
Channel	: 124
Fine tuning	: AUTO
Decoder	: OFF
Video system	: PAL
Mono	: ON

Select the setting [Mono] to [ON] if you want to record a normal mono sound on the Hi-Fi tracks of the VCR, for example, if the stereo sound is distorted through the reception conditions.

Set the Channel to Decoder

- Press **MENU**
- Select [Tuning] ▼
- Access by pressing **OK**
- Access [Manual] by pressing **OK**
- Select the encoded channel ▲▼
- Access by pressing **OK**
- Select [**Decoder**] ▼
- Select the input field ►
- Select the Decoder to [ON] ▲▼
(the picture in the background should become clear)
- Store change by pressing **OK**
- Press **EXIT**

Panasonic VCR		
Tuning		
Pos	Name	Ch
33	***33	124
34	PREMI	87
35	***35	123

Pos	: 34
Name	: PREMI
Channel	: 87
Fine tuning	: AUTO
Decoder	: ON
Video system	: PAL
Mono	: OFF

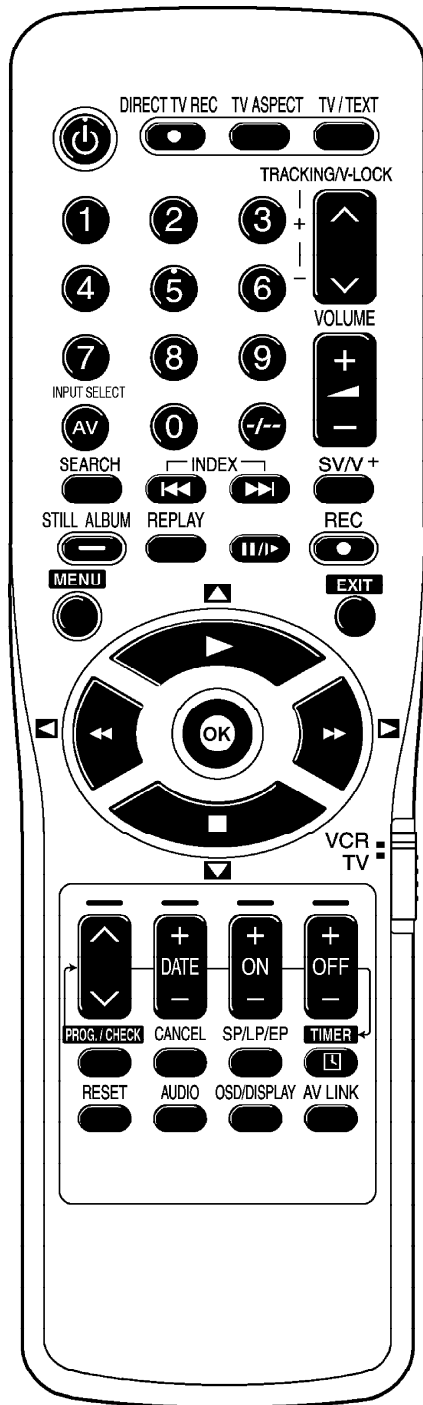
AV LINK Function

You can select the TV or video reception with the **AV LINK** button.

This button is only activated with this model.

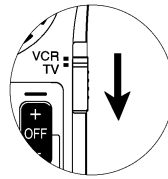
If video reception has been selected, the VCR display will indicate VCR.

Functions of the NV-FJ614 Series (Hi-Fi)



TV Operation

With this remote control you can operate some Panasonic TV. Please also read the operation instructions for your TV.



To set the remote control to TV operation.



To switch the TV on and off.



To select the AV input on the TV.



To operate the TV volume.



To select the TV channel.

TV ASPECT

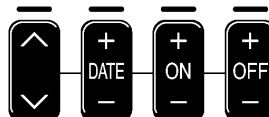


To switch the screen format between the wide screen and other formats.

TV / TEXT



To switch to teletext mode.



To operate the teletext menu.

To select the channel use the Numeric buttons.

Sample: 18 =

Notes:

This buttons are not used on this VCR:

- DIRECT TV REC
- STILL ALBUM
- AV LINK

Explanation for Playback, VCR Operation and Menu Operation see pages 4 - 5.

Functions of the NV-FJ614 Series (Hi-Fi)

Timer Recording with ShowView

Switch on the TV to the video output channel, insert a cassette with an intact erasure prevention tab into the VCR and set the remote control to VCR operation ▲ .



Press this button.

Enter the ShowView number.

For correction use ◀ .



To access [Timer recording], press OK .

Select your Channel [Pos] ▲▼ and store with OK (only necessary the first Timer recording for each Channel).

The [Name] of the Channel you can set manually (see page 9).

Set the Tape Speed SP, LP, EP (SUPER LP) or A (automatic).

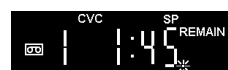
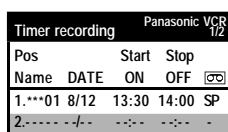
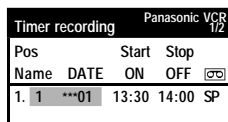
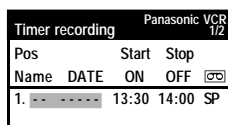
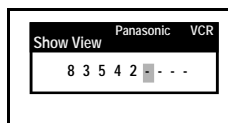
In the setting A the VCR switches automatically (with a short picture distortion) to the slow tape speed LP, to record the programme so long as possible.



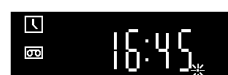
To store the programme, press OK .

In order to preset other recordings repeat this procedure.

To check the **Remaining tape time**, look to the VCR display Remain. Make sure that the remaining time on the cassette is longer than the time set for recording, otherwise the whole programmes cannot be recorded.



Switch the VCR to Standby mode for **Timer recording**. Make sure that the VCR display □ appears.



Notes:

- You can use the cursors on the remote control to move around the menu ◀▶, in order to make changes ▲▼.
- SHOWVIEW is a trademark of Gemstar Development Corporation. The SHOWVIEW system is manufactured under licence from Gemstar Development Corporation.

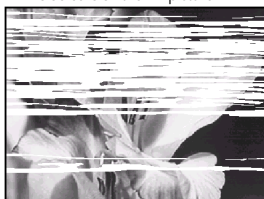
Troubleshooting

Adjusting the Playback picture

If the picture is distorted with noise bars, press the TRACKING / V-LOCK Button in the (+) or (-) direction during Playback, Still Playback or Slow Playback.



Noise bars on the TV picture



For automatic adjustment, press (+) and (-) at the same time.

Note:

The tracking cannot be adjusted on certain cassettes. This is not a functional fault of the VCR.

The meaning of some On Screen Displays

Please use tape with unbroken recording tab !

The REC Button or REC/OTR Button was pressed to record, but the cassette's erasure prevention tab has been broken off.

- In order to record, use a video cassette with an intact erasure prevention tab (see page 6).

This action is not possible before time and date are set

The PROG./CHECK Button or SV/V+ Button was pressed without a date and time being set on the VCR.

- Set the date and time (see page 8).

No timer programmes to be done !

The TIMER Button was pressed, but no timer recording was programmed.

- Programme a timer recording (see pages 6-7, 13).

Please put VCR into stop mode first

An attempt was made to change the programmed data while a timer recording was still in progress.

- You must stop the recording first by pressing the TIMER Button before you can change the programming.

Troubleshooting

Before Requesting Service

The VCR display is not illuminated:

The mains lead is not connected.

- Check the connection.

The VCR is set to Power save mode.

- Settings can be changed (see page 9).

The VCR display is set to OFF.

- Settings can be changed (see page 9).

Safety devices are operating.

- Disconnect the VCR from AC mains for one minute, then check if the VCR can be operated.

The VCR display is illuminated, but the VCR cannot operate:

The VCR is in Timer recording Standby mode.

- Cancel Standby mode by pressing the TIMER Button.

The child lock is activated.

- Settings can be changed (see page 8).

The picture or the sound is distorted:

The TV reception is not adjusted to the VCR.

- Readjust the reception (see page 3).

The tracking is not set correctly.

- Adjust the tracking manually (see page 14).

Picture distortion can be caused by using E300 cassettes which were recorded with a slow tape speed (LP or EP).

- You are advised not to use E300 cassettes.

The cassette is recorded in a tape speed, colour or video standard which is not corresponding to the VCR setting.

- Check which standard was used when the video cassette was recorded. Setting of PAL or MESECAM can be adjusted manually (see page 8). The Playback from NTSC is not possible.

The aerial cable or scart cable is not correctly connected or is defective.

- Check the connections, aerial signal and cables (replace cables if necessary).

Setting for SQPB (S-VHS Quasi Playback) is not correct.

- Setting can be changed (see page 9).

The playback picture is distorted when you record the tape on EP mode using MESECAM system. (This is not a functional fault).

- We recommend PAL system for recording on EP mode.

The video heads are soiled or worn out.

- Please contact service center for assistance. Head cleaning by a service center is not covered by warranty.

The remote control does not work correctly

The signal from the remote control does not reach the VCR's window, or the distance is too long.

- Remove obstructions between the VCR and the remote control (its transmitting distance is about 7 metres).

The batteries in the remote control are exhausted, or the batteries have not been inserted with the correct polarity.

- Check the batteries and if necessary insert new batteries (see page 2).

The VCR is set to Power save mode.

- Settings can be changed (see page 9).

The recording function does not work correctly

The VCR display  is flashing when you try to record.

- In order to record, use a video cassette with an intact erasure prevention tab (see page 6).

The Programmed recording function does not work.

- The time and date must be set correctly (see page 8).

The VCR does not record, even though the recording has been programmed.

- Set the start time and the time to stop recording correctly, and set the VCR on Standby Recording by pressing the TIMER Button (see pages 6-7).

Tape transport noise

During JET SEARCH the tape transport noise will increase.

- These is not a functional fault.

If problems occur which you cannot deal with yourself,
consult a service center (see the Guarantee Information).

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Specifications

Power supply:	220-240 V AC, 50/60 Hz
Power consumption in operation:	19 W NV-FJ613/614 Series: 21 W
Consumption in Standby mode:	Approx. 3 W in Power save
Video recording system:	2 rotary heads, helical scanning system
Video heads:	2 heads NV-FJ613/614 Series: 4 heads
Hi-Fi Audio heads on the NV-FJ613/614 Series:	2 heads
Tape speed:	SP: 23.39 mm/s
Special feature on the NV-FJ613/614 Series:	LP: 11.7 mm/s
Record/ playback time:	SP: 240 min with E 240 cassette
Special feature of the NV-FJ613/614 Series:	LP: 480 min with E 240 cassette
Fast forward or fast rewind time:	approx. 60 s with E180 video cassette
Video TV Colour system:	PAL colour signal
Video input level:	AV1/AV2*: 1.0 V peak-to-peak, 75 Ohm, terminated
Video output level:	AV1/AV2*: 1.0 V peak-to-peak, 75 Ohm, terminated
Audio Input level:	RF modulated: UHF channel (21-69), 75 Ohm
Audio Output level:	AV1/AV2*: -6 dBV, more than 10 kOhm
	AV1/AV2*: -6 dBV, less than 1 kOhm
Horizontal resolution:	Colour: more than 240 lines (SP)
Signal-to-noise ratio:	Video: more than 43 dB (SP)
Dynamic range:	Audio: more than 43 dB (SP)
Special feature of the NV-FJ613/614 Series:	Audio: more than 90 dB (Hi-Fi sound tracks)
Audio frequency response:	80 Hz to 8 kHz
Special feature of the NV-FJ613/614 Series:	20 Hz to 20 kHz (Hi-Fi sound tracks)
Operating temperature / humidity:	5°C to 40°C / 35-80% relative humidity
Weight (approximate value):	3.3 kg
Dimensions (approximate value):	430 (width) x 87 (height) x 282 mm (depth)

AV2 * : only for NV-FJ613 EC/ECM/ECN/ECY Series (Hi-Fi)

Weight and dimensions shown are approximate.

These specifications are subject to change without notice.

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