



user guide

Video Recorder

Model: MVH-492 MV-292



Before connecting, operating or adjusting your new VCR,
please read this user guide carefully. Thank you.

Model No. FC921P/FD220P
Part No. 3834RP0088R



Melchioni S.p.A. - Sede: 20135 Milano - Via P. Colletta, 37
e-mail: irradio@melchioni.it

Sito Internet: www.melchioni.it

Contents, safety and cleaning

Please read the following information carefully.

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Safety



- Position your Video Recorder so that no bright light or sunlight falls directly onto it.
- Care should be taken not to expose your Video Recorder to any unnecessary vibration, moisture, dust or heat.
- During electrical storms it is advisable to unplug both the aerial cable and mains plug to prevent accidental damage to your Video Recorder and TV.
- Do not operate your Video Recorder if it is damaged.
- If your Video Recorder still does not operate properly, unplug it and call your dealer. Your VCR should not be repaired by anyone except qualified service personnel.
- Never remove the top cover of your Video Recorder as this can expose you to very high voltage and other hazards.

- Ensure that your Video Recorder is placed in a position to allow a free flow of air.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

CE This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 89/336/EEC, 93/68/EEC and 73/23/EEC.

Cleaning

- 1 Unplug the Video Recorder from the mains supply.
- 2 Clean the cabinet with a soft damp cloth, do not apply liquid cleaners or aerosol cleaners.

Never spray cleaning liquids on or near the Video Recorder.

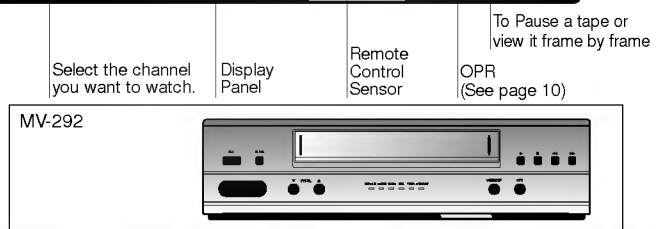
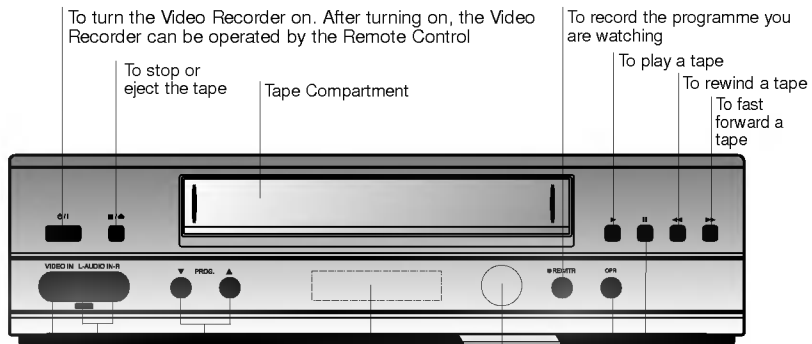
Video head cleaning

Whenever a video cassette is inserted into or ejected from your VCR the video head is automatically cleaned. This should mean that additional head cleaning should not be necessary. However dirt accumulating on the head after a long period of time can cause the playback picture to become blurred or broken up. High quality video cassette tapes will not normally deposit dirt onto the video head, but old or damaged tapes might.

Introducing your Video Recorder and Remote Control

Most of your Video Recorder's functions are accessed using the Remote Control. A summary of the functions of the main buttons are shown below (right), other buttons are described elsewhere in this guide.

Basic functions of your Video Recorder can also be operated using the control panel on the front of your Video Recorder.

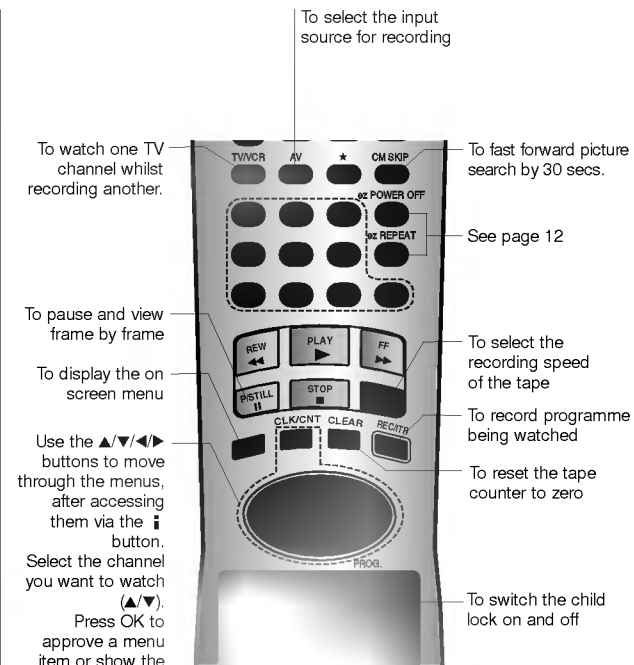


Audio IN
Video IN

MVH-492 Only : Video IN and Audio IN sockets are for connecting devices such as Video Cameras, Games Consoles and other Video Recorders. You will need to connect to them using an Audio Visual cable.

MVH-492 Only : Simulcast Recording (With SC mode by pressing AV): Hi-Fi sound only recording using the Audio IN (L/R) sockets on the front of your Video Recorder.

This feature enables you to simulcast sound transmitted by an audio source and the picture transmitted by the TV station.

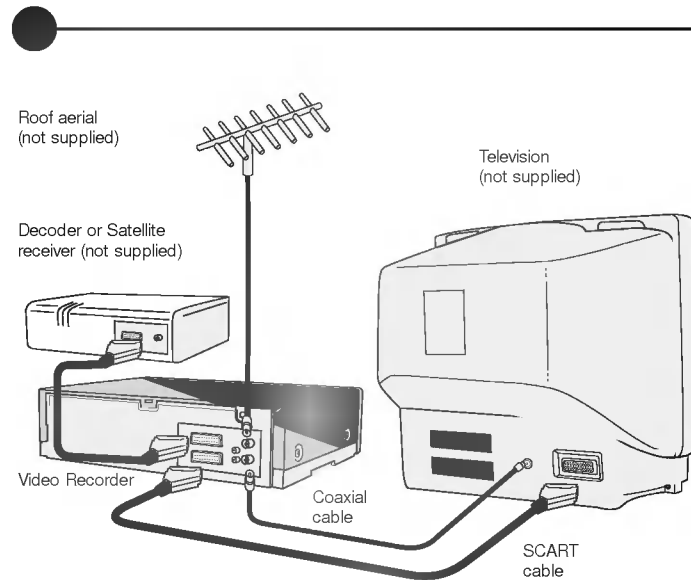


* Feature is not available.

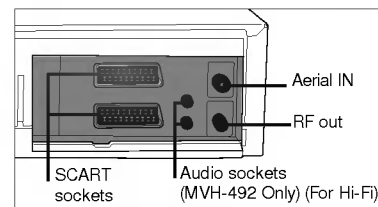
Don't forget to install AAA type two batteries in the Remote Control.

Connecting to a television and decoder or satellite receiver

The information given here refers to the two most common forms of connection. Make sure that all the appliances are unplugged from the mains power, before making any connections to avoid causing damage to your equipment. Using a SCART cable to connect your appliances will give you the best sound and picture quality.



Note : MV-292 has no the EURO AV2 socket.



Connection guide

Roof aerial

Your outside aerial should be connected to the AERIAL socket of your Video Recorder.

Coaxial cable

If you are using the coaxial cable a connection needs to be made from the RF.OUT socket on your Video Recorder to the aerial socket on your television.

SCART socket

If you have a SCART socket connection on your television you can connect the television's SCART socket to the EURO AV 1 socket on the back of the Video Recorder.

Satellite receiver

Your Satellite Receiver should attach using a SCART cable to the EURO AV 2 socket on the back of the Video Recorder.

Decoder (MVH-492 Only)






Some TV broadcasters transmit encoded television signals which you can only see with a purchased or rented decoder. You can connect such a decoder (descrambler) to your Video Recorder.

Tune a video channel

If you are using a SCART connection then the video picture will be shown on the AV channel of your television.

If you are using a Coaxial cable you need to select a TV channel on your Television and tune it to the Video Recorder signal, a bright blue screen. Please consult your Television User Guide for information on how to do this.

If you have trouble attaining a good picture it may be that the output frequency of the Video Recorder (UHF 36) is already in use by your television. To change this:

Press POWER  on the Remote Control to put the Video Recorder on standby then press and hold PROG.  or  on the front of your VCR for more than 4 seconds. RF CHANNEL 36 will appear on your television screen. Press PROG.  or  on the Video Recorder to select another frequency channel. Select any number between 22 and 68. Tune as normal.

You can also set it to "OFF" if there is any interference when your TV is connected to the VCR with a SCART cable.



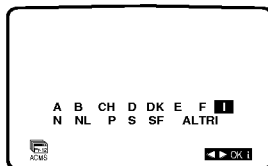
Tuning in TV stations

The first time you use your VCR you will see ACMS (Automatic Channel Memory System) displayed on the screen. This system automatically tunes and stores TV channels. If you want to return to ACMS after your initial set up, access it via the menu.

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Using ACMS

- 1 Press the POWER Button to turn on your Video Recorder.
- 2 Select the video channel you have tuned on your television, refer to your TV user guide if necessary. The ACMS menu screen will appear.
Use or to select country code.
(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, ALTRI: Others)



- 3 Press OK to start the automatic tuning process.
- 4 When the ACMS has finished a screen showing all the channels that have been found and the positions they have been placed in will be displayed.

- 5 Check that the channels correspond to the positions in which you want them. If they are not in the order that you would like they can be moved or deleted. See Changing the order of the television stations and Deleting the television stations.
- 6 Press to store the settings.

Changing the order of the television stations

You will find it useful to have a current television programme guide to hand during this operation.

- 1 Press to access the main menu. Use or to select PR SET then press OK.
- 2 Press again.
- 3 Use either the or buttons to select the programme number that you wish to move. Then press .
- 4 Press or until you reach the position you wish to store the channel in.
- 5 Press OK. The programme will move to the new position.
- 6 Press to leave the menu.

To move other programs repeat the above process.

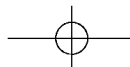
Deleting the television stations

- 1 Press to access the main menu.
- 2 Use or to select PR SET then press OK.

- 3 Press then use or to select the programme number you wish to delete.
- 4 Press , after a short while the selected station will be deleted. The remaining stations are resorted automatically.
- 5 Press to remove the menu. If you wish to delete further stations repeat the above process.

Selecting ACMS

- 1 Turn on your television and your Video Recorder and select the video channel on your television.
- 2 Press to access the main menu. Press or to select ACMS, and then OK.
- 3 Follow the instructions in Using ACMS, at the beginning of this page.



Tuning and adjusting TV stations manually

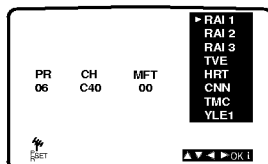
You may prefer to tune your television manually. Manual tuning can be more effective if the television signal in your area is too weak for the ACMS to work properly. You can also fine tune your channels and customise the channel names.

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Manual tuning

- 1 Turn on your television and your Video Recorder. Select the video channel on your television and press **i** to access the main menu.
- 2 Press either **◀** or **▶** to select PR SET then press OK.
- 3 Press **i** again and the television station table will then appear.
- 4 Use the **▲** or **▼** buttons to select the programme number you want to tune then press OK.
- 5 Select the CH section (if not already selected) by using the **◀** or **▶** buttons and then press AV to select C (Standard stations) or S (Cable stations).
- 6 Use the **▲** or **▼** buttons to move through the channel numbers to find the required station.

- 7 The station can be fine tuned to improve picture quality. Select MFT (Manual Fine Tuning) using the **◀** or **▶** buttons. Use the **▲** or **▼** buttons to adjust the picture.
- 8 Select STATION by pressing **▶** you can then name your station.
- 9 Press OK to reveal the television station name list. Use the **▲** or **▼** buttons to select a station name from the list. Press OK to select it.



If the name you require is not on the list see Customising station names opposite (Start from step No. 5).

- 10 To confirm the station placement press **i**.
- 11 Press **i** again to remove the menu.

- 12 The new station has now been stored into your Video Recorder.

If you wish to manually tune other channels you should repeat the above procedure.

To move the manually tuned channel to it's correct position see Changing the order of the television stations on page 5.

If it is necessary for you to tune all the television stations manually you may find it easier if you write the CH numbers down for each station as you find them. You can then select each channel from the main menu and type the CH numbers in directly. Each channel will then be in the correct position so there is no need to change them later.

Customising station names

If the station name you require isn't listed you can insert one manually instead of using the templates.

- 1 Press **i** to access the main menu. Use **◀** or **▶** to select PR SET then press OK.

- 2 Press **i** again then use **▲** or **▼** to select the programme number you wish to customise station name.
- 3 Press OK.
- 4 Press **▶** to go to STATION and then press OK.
- 5 Then press **▶**, a flashing bar appears beneath the first letter.
- 6 Use **▲** or **▼** to select letters and numbers for the new station name up to a maximum of 5.
- 7 Press **◀** or **▶** to move between the characters.
- 8 Press OK.
- 9 To confirm the new position press **i**.
- 10 press **i** again to exit the menu.
- 11 The new station name is now stored in your Video Recorder.



Operating your Video Recorder

The main functions of your Video Recorder can be operated using either the Remote Control or front control panel on the Video Recorder. Before starting, you should ensure that your television and your Video Recorder have been plugged in and switched on and that the video channel on your television is selected.

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Playing a video tape

Press **PLAY ▶**. The television screen will display **PLAY** and **SP** or **LP** depending on whether the recorded tape is Standard Play or Long Play.

Auto tracking

Your Video Recorder will automatically adjust the tracking to give you the best picture quality. **A.TRACKING** will be displayed on screen while this function is in operation.

If the quality of the recording is poor, repeatedly press **▼** or **▲** on the remote control to manually adjust the tracking until any distortions have been removed. Press numbered **0** on the remote control to switch automatic tracking back on again.

Stopping play

Simply press **STOP ■** to halt video play. The Video Recorder will revert to television mode.

Picture Search

While a video cassette is playing you can search the tape forward and

backward to look for a specific position on the tape.

Press **REW ◀◀** or **FF ▶▶** to make the tape play rapidly forwards or backwards. The picture will be shown at seven times normal play speed.

Fast Forward/ Rewind

To fast forward or rewind at maximum speed, the tape must not be in play mode. Press **STOP ■** then press either **◀◀** for rewind or **▶▶** for fast forward. Whilst you are rewinding or fast forwarding you can view the section you are passing. Press and hold (for a few seconds) either **REW ◀◀** or **FF ▶▶**. Releasing the **FF ▶▶** button or **REW ◀◀** button will return the Video Recorder to normal rewind or fast forward operation.

Slow Motion Playback, Shuttle (MVH-492 Only)

Using the **◀** or **▶** buttons it is possible to adjust playback speed during playing back or still picture. Below is a list of what speeds are accessible and how to reach them.

- ◀ once = slow play
- ◀ twice = still
- ◀ three times = play backwards
- ◀ four times = Reverse play 3x speed
- ◀ five times = Reverse play 7x speed
- ▶ once = 2x forward play
- ▶ twice = 7x forward play

To switch off the slow motion and shuttle, press the desired function.

During slow motion and shuttle, the noise bars may appear on the picture according to the status of tape. If distortions can be seen in the picture, reduce them with **▲** or **▼**.

Pausing a tape

Pressing **P/STILL ■■** will pause play, giving you a still picture on the screen. This picture may display some interference in the form of black and white horizontal lines. This is perfectly normal and does not mean that the video tape or Video Recorder are damaged.

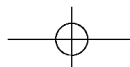
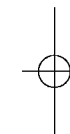
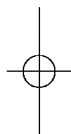
The tape can be paused for up to five minutes. The Video Recorder will then automatically stop playing in order to avoid damaging the tape or your Video Recorder.

Frame Advance (MVH-492 Only)

- 1 Pressing **P/STILL ■■** repeatedly will advance the picture frame by frame.
- 2 You can use the **▲** or **▼** buttons to reduce any vertical movement seen on the still picture.
- 3 Press **PLAY ▶** to continue play from pause.

Removing the Video tape

Press **EJECT ▲** to remove the video cassette from your Video Recorder. If the end of the tape is reached, your Video Recorder will automatically stop, rewind, eject the tape and place itself into Standby mode.



Recording from television programs

There are two methods of recording, Instant Timer Recording (ITR) and Timer Recording.

For all recording methods you should ensure the television channels are tuned and stored correctly and that the clock is set to the correct time.

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Recording from SCART

If you wish to record directly from the SCART socket at the back of your Video Recorder, connect the device you wish to record from using a SCART lead and press AV to display the picture from the device.

Long Play/Standard Play

Your Video Recorder has a Long Play (LP) feature. This means you can record twice the amount of information on each recordable video tape.

For example on a three hour (E180) tape you would be able to record six hours worth of programmes.

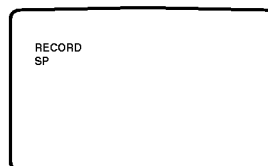
With Long Play picture and sound playback quality are slightly reduced from that of standard play.

Press the LP button if you wish to change to Long Play, press it again to select Standard Play (SP). SP or LP will be displayed on your television screen to let you know which has been selected.

Instant Timer Recording

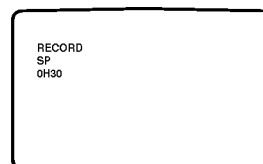
ITR begins recording immediately, either for a set period of time or until the tape runs out.

- 1 Turn on your Video Recorder and television. Insert a video tape into the Video Recorder. Select the AV channel on your television.
- 2 Use the PROG. ▲ or ▼ buttons to select which programme you wish to record. The currently selected programme will be displayed on screen. You can also select the programme number using the Remote Control number buttons.
- 3 Press REC/ITR ● to begin recording. On the first press RECORD SP will appear on the television screen.



The Video Recorder will start recording. It will continue recording until the end of the tape is reached or it is manually stopped.

To set the length of time which you want to record for, press the REC/ITR ● button twice. The television screen will show 0H30. Each subsequent press of the REC/ITR ● button will increase the recording time by thirty minutes to a maximum of nine hours.



You can also interrupt recording to avoid unwanted scenes.

If you press P/STILL II during ITR the Video Recorder will enter the record pause mode and the set period of time is cancelled.

- 1 To pause recording press P/STILL II.
- 2 Press P/STILL II again to continue recording.

Tapes can be paused for up to five minutes. RECP will be displayed on the television screen while a tape is paused. After five minutes your Video Recorder will automatically cancel recording to prevent damage to the video tape or your Video Recorder.

To view one channel whilst recording another, press TV/VCR to disappear VCR on the Display panel. Using your TV remote, switch to the channel you want to watch.

Finishing a recording

- 1 Press STOP ■.
- 2 Press EJECT ▲. EJECT will appear on the television screen. If the end of the tape is reached your VCR will automatically stop recording, rewind, stop and eject the tape and place itself into Standby.

Recording using Timer Recording

Allows you to specify a time at which the Video Recorder will start recording.

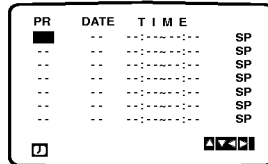
This can be done up to one month in advance with up to seven recordings being pre-programmed.

Ensure the television channels have been tuned and stored correctly and that the clock is set to the correct time.

Timer Recording

Insert a video tape.

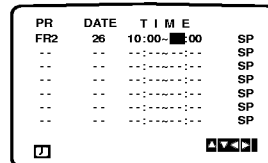
- 1 Press **⏏** for the main menu.
- 2 Use **◀** or **▶** to select REC.
- 3 Press OK. Press OK again to enter the timer record menu.



- 4 To enter the programme number that you wish to record you can scroll through the available options using the **▲** or **▼** buttons or you can enter the numbers directly. When selecting single digit numbers remember to put 0 first. If you wish to record from the SCART socket or RCA socket (MVH-492 Only) press AV.
- 5 Press **▶** and enter the date of the programme that you wish to record. Press OK before entering a date to select one of the automated features. They are DLY (daily) to record every day except Saturday and

Sunday at the set time, or individual days e.g. MO (Monday) to record at the same time every week. Press **◀** or **▶** to select, then press OK to confirm.

- 6 Enter the time of the start and end of the programme that you wish to record. The Video Recorder uses a 24 hour clock.



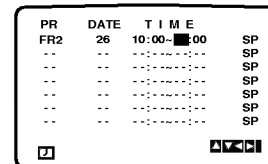
- 7 Press **▶** to select the recording speed. Use the **▲** or **▼** to move among Standard Play, Intelligent Play and Long Play. IP (Intelligent Play) determines how much tape is left and switches speed from SP to LP, if necessary, to complete recording the programme.
- 8 Check that the timer event details are correct, if they are, press **⏏** to save your settings. If PLEASE CHECK is displayed you have entered incorrect information.

Check the details on the television screen and reenter it. If you want to enter more Timer recordings, repeat the above process from point 3. Press **⏏** again to remove the menu.

- 9 Place the Video Recorder on standby by pressing the POWER button **⏏** on the remote control. TIMER will appear in the Video Recorder display to show that it is set to record. The Video Recorder is now set to record at the time you have specified.

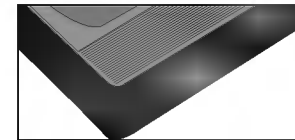
Changing timer events

If you wish at any time to change a recording event press **▲** or **▼** to select the timer slot that you wish to change. Press **◀** to delete or OK to edit that entry.



Use the **◀** or **▶** buttons to select the section you wish to change and the **▲** or **▼** buttons to change those sections.

Protect your recordings



To stop a recording you have made being recorded over, break off the protection tab on the rear of the video tape. To record on a tape that has had its protection strip removed, cover the hole with adhesive tape.

Recording tape to tape

You will need a second Video Recorder for tape to tape copying. Connect using a SCART cable from the back of your Video Recorder or using the AV sockets on the front (MVH-492 Only). Select audio/video mode on the recording Video Recorder by pressing the AV button on the Remote Control. To monitor the recording, connect the recording Video Recorder to your TV using the standard coaxial aerial cable.

Advanced functions on your Video Recorder

Your Video recorder has some advanced operations with features you may find useful.

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CM (Commercial Message) Skip

This enables you to skip past small sections of the video tape, such as commercial messages, television adverts or film trailers.

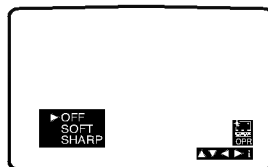
Press the CM SKIP button on the remote control, during play. Each subsequent press of the button increases the amount of the tape which is skipped by 30 seconds, up to a total of three minutes (180 seconds). After the chosen time has passed normal play will automatically resume.

OPR (Optimum Picture Response)

This enhances the picture from the video tape by adjusting to the condition of the video tape. If you feel that the picture needs adjusting you can manually change the OPR setting.

You can only set OPR when a tape is playing in the Video recorder.

- 1 Press **⏏** to enter the main menu.
- 2 Use **◀** or **▶** to select OPR then press OK.



- 3 Use the **▲** or **▼** buttons to select OFF, SOFT or SHARP.
- 4 Press **⏏** to exit the menus.

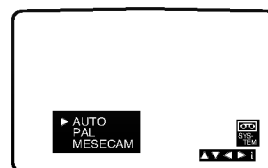
You can also set the OPR by pressing OPR on the front of your VCR.

Colour standards

Your Video Recorder uses dual colour standards, PAL and MESECAM. During play your Video Recorder should select the Colour System automatically, however if you experience problems you may need to do it manually.

- 1 Press **⏏** to enter the main menu.
- 2 Use **◀** or **▶** to select SYSTEM then press OK.

- 3 Use **▲** or **▼** to select the colour system used in your recording.



- 4 Press **⏏** to exit the menus.

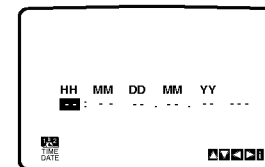
Setting the clock

The Video Recorder uses a 24 hour clock, so that for example 1 pm is represented as 13:00.

Single digit numbers should be entered with a 0 in front for instance, 01.

- 1 Press **⏏** to enter the main menu. Use the **◀** or **▶** buttons to select TIME DATE then press OK.

- 2 Use the numbered buttons on the remote control to enter the the HOURS, MINUTES, DAY, MONTH and YEAR.



The day of the week will appear automatically once the date has been entered. If you make a mistake use **◀** or **▶** to select the item and re-enter the details.

- 3 Once you are satisfied press **⏏** to store your settings.

Advanced functions on your Video Recorder

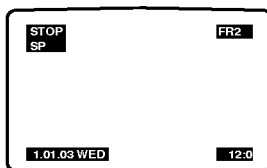
Your Video recorder has some advanced operations with features you may find useful.

11

On screen display (OSD)

This can be used to display the current time, tape counter, tape remaining, day, month and year, day of week, channel and operational mode of your Video Recorder on your television screen. If a recording is taking place, the on screen displays will not be recorded onto tape.

- 1 Press OK to show the OSD.



- 2 Press OK repeatedly to cycle through the display options. The tape counter and amount of tape left will appear if there is a tape loaded.
- 3 After 3 seconds the majority of the OSD will clear leaving only the clock or tape counter and the amount of tape left on the television screen.

- 4 Press OK again to remove all OSD's from the television screen.

To turn off the on screen displays completely.

- 1 Press **⏏** to enter the main menu.
- 2 Select OSD ON OFF using **◀** or **▶** then press OK.
- 3 Select OFF using **▲** or **▼**. Press **⏏** to save the setting.

Energy Save

This feature allows you to conserve energy. If you have programmed the Video Recorder to record a future television programme this feature will not work.

- Press **⏏** on the Control Panel. All indicators in the Display Panel will be off.

To turn off Energy Save.

- Press the POWER button **⏏** (or **⏏**) on the Remote Control or the Control Panel.

Resetting the digital tape counter

The tape counter displays the play or recording time elapsed in hours minutes and seconds. Press CLEAR to reset the counter to 0:00:00.

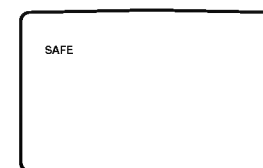
When you press STOP **■** and press REW **◀**, the Video Recorder will stop at 0:00:00, the point where you reset the counter.

Child Lock

You can turn off the buttons on the Control Panel so that your Video Recorder can only be operated using the Remote Control.

- 1 Press the C.LOCK button on the Remote Control. SAFE will appear on the television screen.

None of the buttons on the Control Panel will work apart from STOP **■** and EJECT **▲**.

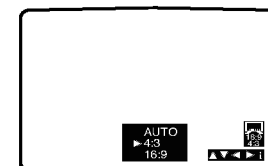


If any other buttons on the front of the VCR are pressed, SAFE will appear on the television screen. To unlock the Child Lock press the C.LOCK button again on the Remote Control.

Wide Screen

For wide screen playback your Video Recorder must be connected to your television using a SCART cable.

- 1 Press **⏏** to enter the main menu.
- 2 Use the **◀** or **▶** buttons to select 16:9/4:3 and press OK.



Advanced functions on your Video Recorder

Your Video recorder has some advanced operations with features you may find useful.

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- 3 Use the ▲ or ▼ buttons. Choose:
 AUTO: automatically chooses the correct format for the content.
 4:3: for playing back and recording in normal format.
 16:9: for playing back and recording in Wide Screen format.


- 4 Press **i** to save your settings.

Sound settings (MVH-492 Only)

Your Video Recorder can record and play back stereo sound. You can select the way sound is played back.

- 1 Press **i** to access the main menu.
- 2 Select AUDIO with the ◀ or ▶ buttons.
- 3 Press OK.
- 4 Use the ▲ or ▼ buttons to choose between:
 STEREO
 LEFT (left channel only)
 RIGHT (right channel only)
 MONO
- 5 Press **i** to exit the menu.

Automatic power off

By pressing the POWER button  while rewinding a tape the Video Recorder will turn off automatically when the tape rewind has completed.

ez Operations

ez Power Off

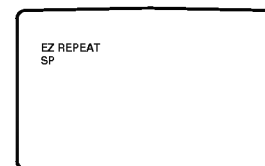
Press the button marked ez POWER OFF during play. The Video Recorder will automatically stop the tape, rewind to the beginning and eject the tape.

It will then turn itself to standby.

ez Repeat

You can select a section of the video tape to repeat twice and then resume play.

- 1 Press and hold the ez REPEAT button. The Video Recorder will automatically rewind for as long as the ez REPEAT button is held.
- 2 Release the button when you want the replay to begin.
- 3 The Video Recorder will then play the selected section twice.

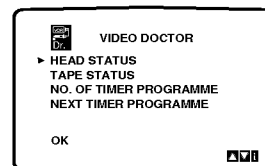


- 4 To resume normal play from any position, press the ez REPEAT button during the first repeat.

Video Doctor

The Video Doctor will show the status of aspects of the Video Recorder.

- 1 Press **i** to access the main menu.
- 2 Select Dr. with the ◀ or ▶ buttons.
- 3 Press OK.



- 4 Use the ▲ or ▼ buttons to check the following features.

HEAD STATUS

PLEASE CLEAN: The tape heads need cleaning.

TAPE STATUS

NOT RECORDABLE: The Cassette in the Video Recorder has had its protection tabs removed, insert a tape suitable for recording.

NO. OF TIMER PROGRAMME
2

Shows the number of timer recording programmed.

NEXT TIMER PROGRAMME

FR2 26 10:00-11:00 SP

Shows the current status of timer recording.

- 5 Press **i** to remove the menu from the television screen.

Advanced functions on your Video Recorder

Your Video recorder has some advanced operations with features you may find useful.

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To set the Decoder (MVH-492 Only)

We have already described, how to connect a decoder for pay-TV station as CANAL+ or PREMIERE on page 4.

For the recording of an encoded station you do not have to control anything. You just select the station and wait shortly until the decoding will start.

- 1 Press **■** to access the main menu.
- 2 Select DECODER with the **◀** or **▶** buttons.
- 3 Press OK.
- 4 Use the **▲** or **▼** buttons to select on when receiving the encoded broadcasts.
The connected decoder will be activated.
- 5 Press **■** to exit the menu.

Language selection

It is possible to change the language that the on screen displays are shown in. You can choose between English, Deutsch, Français, Italiano, Español, Dutch and Portuguese.

- 1 Press **■** to display the main menu.
- 2 Select ABC using the **◀** or **▶** buttons.
- 3 Press OK to reveal the language choice screen.
Select your desired language using the **▲** or **▼** buttons.
- 4 Press **■** to store the settings.

Troubleshooting

If you are having trouble with your Video Recorder please check the following before calling your service centre.

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No picture and no sound

- Check that the Video Recorder plug has been plugged in and switched on at a mains wall socket and that the television has been plugged in and switched on.
- Check the aerial lead is undamaged and securely connected to the correct sockets in both the television and the Video Recorder.
- Check that you have tuned into a video channel on your television.
- If you are using a SCART connection, check that the cable is secure and that the correct AV channel is selected on your television.

No playback or a poor picture

- Try a different video cassette. If the problem is resolved, the problem may have been the cassette itself.
- Try using the tracking buttons ▲ or ▼ to reduce the amount of visible interference.
- If the cassette contains a recording that you have recently

made from the television, the television channels may not be tuned to the Video Recorder correctly.

TV programmes cannot be recorded

- Check the reception on your television set. If you cannot receive a picture through your aerial, the Video Recorder will be unable to record television broadcasts.
- Check the aerial lead is undamaged and securely connected to the correct sockets.
- Check that the Video Recorder has been tuned to the television programmes properly.
- Check the rear of the video cassette to see if the safety tab used to prevent recording has been removed.
- Check that the signal being received by the television is reasonable quality.

A video tape cannot be inserted

- Check that there is not a cassette in the Video Recorder already.

- Is the video cassette the right way round? The windows should be at the top and the arrow should be pointing toward the Video Recorder.

The Remote Control does not work

- Has the Video Recorder been plugged in and switched on?
- Check that the batteries have been inserted correctly into the Remote Control.

The top of the video picture is unstable

- The video cassette may be damaged. Insert another video cassette and check the picture from it.
- Try adjusting the horizontal control on your television, you should consult your television user guide on how to do this.
- Check the aerial lead is undamaged and securely connected to the correct sockets.
- Ensure that the television has been correctly tuned to your Video Recorder.

No Hi - Fi sound (MVH-492 Only)

- In the Audio menu check that the STEREO option has been selected.
- Check your television user guide to see if you have a stereo feature on your television.

Autoplay does not work

- If the safety tab has not been removed from the video cassette this function will not work.

Technical specifications

Specifications are correct at time of printing.

Specifications

General	
Power	200-240V~, 50Hz
Power consumption	Approx. 12 Watts (Energy Saving mode: 3 Watts)
Video Head System	Double azimuth 4 heads, helical scanning (MVH-492) Rotary 2 heads, helical scanning (MV-292)
Tape speed	23.39 mm/sec (SP mode) 11.69 mm/sec (LP mode)
Tape Format	Tape width 12.7mm (0.5 inch)
Max. recording time	4 hours (SP mode, E-240 Tape) 8 hours (LP mode, E-240 Tape)
Rewind time	Approx. 65 (±10) secs (E-180 tape) (MVH-492) Approx. 180 (±30) secs (E-180 tape) (MV-292)
Dimensions	360 x 94 x 272mm (W x H x D)
Weight	3.4 kg
Operating temperature	5° C - 35° C
Operating humidity	Less than 80%
Timer	24 hours display type
Video	
Television system	CCIR standard (625 lines, 50 fields) PAL/SECAM colour signal
Recording format	PAL/MESECAM
RF reception	PAL B/G, SECAM B/G
RF OUT	PAL G
Input level	VIDEO IN (SCART, RCA) 1.0 Vp-p, 75 Ohm unbalanced
Output level	VIDEO OUT (SCART) 1.0 Vp-p, 75 Ohm unbalanced
Signal to noise ratio	More than 43 dBm
RF modulator	UHF channels 22-68 (adjustable)
Audio	
Input level	AUDIO IN (SCART, RCA) SCART: - 6.0 dBm, more than 10 kohms RCA: - 6.0 dBm, more than 47 kohms
Output level	AUDIO OUT (SCART, RCA) SCART: - 6.0 dBm, less than 1 kohms RCA: - 6.0 dBm, less than 1 kohms
Track	Mono track & Hi - Fi Track
Frequency response	Normal : 100 Hz - 10 kHz (-6/+3 dBm) Hi - Fi : 20 Hz - 20 kHz (-3/+3 dBm)
Signal to noise ratio	Hi-Fi : More than 70 dB (JIS A filter)
Dynamic range	Hi-Fi : More than 85 dB (JIS A filter)

GUARANTEE CERTIFICATION

(to fill in when purchasing)

Model: MVH-492/MV-292 Serial number:.....

Purchase receipt number (to be attached).....

Customer's name:

Address:

Town and post code:

CONDITIONS OF GUARANTEE

The appliance is covered by guarantee for the first user on the basis of the legislative regulations in force.

Any components that are found to be defective as a result of proven manufacturing faults will be replaced free of charge by our **authorised assistance centres during the guarantee period.**

MELCHIONI SpA, European concessionaire of IRRADIO, reserves the right in certain cases to replace the appliance found to be defective with an identical or similar product.

This guarantee will be considered as valid in the other member states of the European Union for all the repairs carried out in the authorised assistance centres or by authorised retailers of IRRADIO.

This product will in no circumstances be considered as defective as a result of material or manufacturing faults if it has been adapted, altered or adjusted to bring it into line with the safety regulations or techniques in force at national or local level in a country other than the one for which it was originally designed and manufactured.

Home repairs or checks on presumed defects are not covered by the guarantee.

The guarantee does not include the aerial or mains power supply systems, and it will lose its validity if the appliance has been tampered with, has been incorrectly installed damaged as a consequence of being dropped or during transport, or due to any causes that cannot be attributed to manufacturing defects or defects caused by factors outwith the control of the concessionaire, including, merely by way of example, lightning, flooding, fire, public disorder, incorrect ventilation, incorrect power supply or inverted polarity.

The guarantee does not cover professional uses of the product.

This guarantee does not involve any compensation for direct or indirect damage of any kind caused to persons or property due to the period during which the appliance operates incorrectly.

Any extensions granted or assured by the retailer will be the responsibility of this latter.

For any factors not taken into consideration in this certificate, our General Sales Conditions will apply.

This certificate should always accompany the appliance when returned for repairs, and it is valid only if produced together with the purchase receipt or invoice.

For information on the authorised assistance centres in Italy, contact:

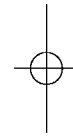
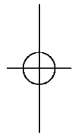
Free phone number 800 213 290

Or our web site www.melchioni.it

The Irradio products are distributed by:

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