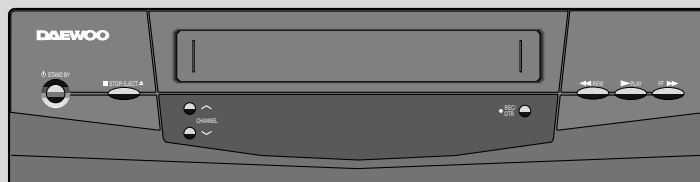


# DAEWOO

**GB**  
English

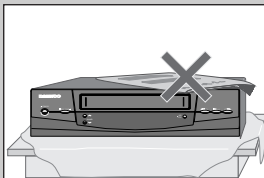
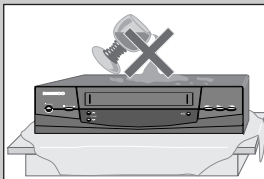
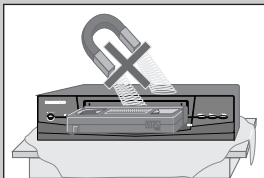
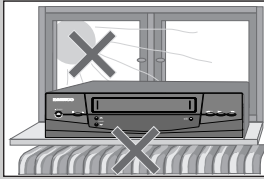
## Instruction manual



**Video recorder  
DV-K280 / K480**



**W A E R T H**  
k n o w i n g



Please keep the video machine's guarantee card and receipt safe for warranty purposes.

## Precautions

- ◆ Read carefully through this manual to familiarize yourself with this high-quality Daewoo video recorder.
- ◆ Make sure the rating of your household electricity supply matches that shown on the back of the video recorder.
- ◆ Refer to this chapter and the "Initial installation" chapter to help you install and adjust your video recorder.

Do not ...

- ... expose the video recorder to high levels of humidity and heat, to avoid the risk of fire and electric shock.
- ... open the video recorder. Have a qualified technician carry out repairs.
- ... connect the video recorder to the power supply if you have just moved it from a cold to warm environment. This can result in condensation inside the recorder and cause serious damage to the machine and cassettes. Wait around two hours to allow it to reach room temperature.

Make sure ...

- ... the recorder is placed on a steady, flat surface.
- ... you place the recorder where there is good ventilation all around.
- ... you clean the recorder only with a soft, lint-free cloth; do not use aggressive or alcohol-based cleaning agents.
- ... you disconnect the power supply if the recorder appears to be working incorrectly, is making an unusual sound, has a strange smell, has smoke emitting from it or liquids have got inside it. Have a qualified technician check the recorder.
- ... you disconnect the power supply and aerial if you will not be using the recorder for a long period or during a thunderstorm.

### For your own safety!



- ◆ There are no components in this video recorder you can service or repair yourself.
- ◆ Do not open the case of the video recorder. Only allow qualified personnel to repair or service your set.



- ◆ This video recorder is designed for continuous operation. Switching it off does not disconnect it from the mains (stand-by). To disconnect it from the mains, you have to unplug it.
- ◆ Recording any copyright protected material may infringe a copyright.

# W O R T H k n o w i n g

Before doing anything with the machine, please read the chapter "Initial installation".

## Contents

### Controls

The remote control unit	2
The machine, On screen display	3

### Initial installation

Connecting up the video recorder, Fitting the remote control's batteries	4
Setting up the video recorder	5

### Playing cassettes

Playing back	6
Still, Variable picture search, Variable slow motion, Accessing new recordings (index scan)	7

### Recording cassettes

Simple recording, One touch recording (OTR)	8
Setting time and date	9

### More functions

Normal timer recording	10
Timer Review – changing and erasing	11
Clock/counter display, Remaining time and cassette length, Resetting the counter to zero, Accessing counter zero position	12
Menu languages, Child lock, Cassettes, and ...	13

### Tuning in new stations

Tuning	14
Station names	15
Sorting programme locations, Clearing programme locations	16

### Connections and copying

To the TV via antenna cable (if you are not using an A/V cable)	17
Copying, Assembling	18

### Appendix

Brief instruction for experienced users	19/20
Before you ask a specialist	21
Index, Technical data	22



- ◆ On the following pages, the pictures show the buttons you press on the remote control to perform the function, and what you should see in the On Screen Display or machine display (if present).


# DAEWOO CONTROLS



max. 7 m.  
30° | 30°



The buttons to use are marked on the following pages.

- ◆ The remote control is the principle means of control, but the main playback and record functions are also available on the front of the machine.
- ◆ Press any button (except ) to turn on the power.

## The remote control unit



power off (standby)



number buttons to select programmes (stations) or to type in numbers



this button is not available for this set.



a button for selecting input sources for recording:  
TV stations – input sockets



remain time and cassette length on-screen display



to reset the counter



to wind the cassette to counter position 0:00:00



clock / counter on-screen display



pause (record), still (playback)



playback start



playback stop



rewinding/fast forwarding a cassette from Stop, or  
picture search backwards/forwards from playback mode



the record or OTR button  
(One Touch Recording means: each time you press the  
button recording is extended by 30 minutes)



to eject the cassette



a button that doubles the maximum recording time for very  
long recordings (only for DV-K480)



the variable slow motion button



the menu controls, programme (station) selection (PR +/-)



to search the beginnings of records (index)




these buttons are not available for this set



these buttons are not available for this set

# DAEWOO CONTROLS

◆ Press any button (except ) to turn on the power.

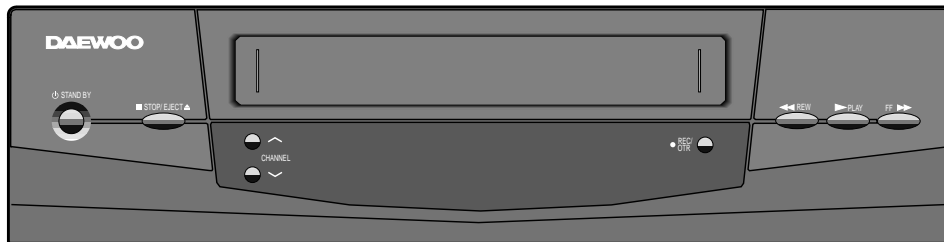
## The machine



power off (standby)



playback stop and ejecting the cassette



programme (station) selection



recording or OTR

(One Touch Recording means: each time you press the button recording is extended by 30 minutes)

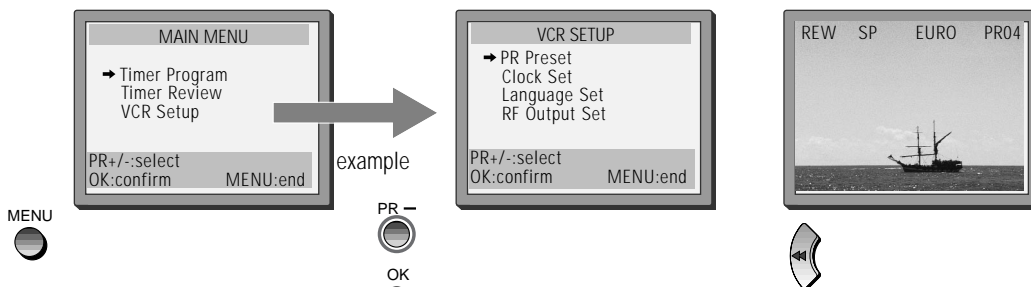


rewinding / fast forwarding a cassette from Stop, or picture search backwards / forwards from playback mode.



playback start

## On screen display



The video's menu system gives you easy-to-understand access to the less used functions such as tuning to stations, clock setting and more.

The menus show you which button to press for the next step.

In addition, some other functions appear on screen temporarily.

# DAEWOO INSTALLATION



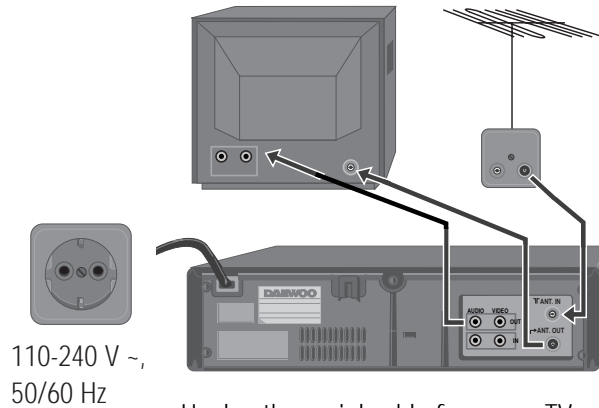
The buttons to use are marked on the following pages.

## Place your video

- ◆ horizontally on a flat, steady base so that air can circulate around it for ventilation.
- ◆ away from humidity and heat, magnetic fields, such as those from loudspeakers etc., and with no heavy objects placed on top.

## Connecting up the video recorder

Switch off all components when connecting or disconnecting cables.



- ◆ Unplug the aerial cable from your TV and plug it into the "ANT. IN" socket of the video.

Plug the short coaxial cable provided into the "ANT. OUT" socket of the video and the aerial socket of the TV.

- ◆ Plug an A/V cable into the "A/V" socket of the video and the A/V socket on the TV if available.

This connection will provide best picture and sound quality.

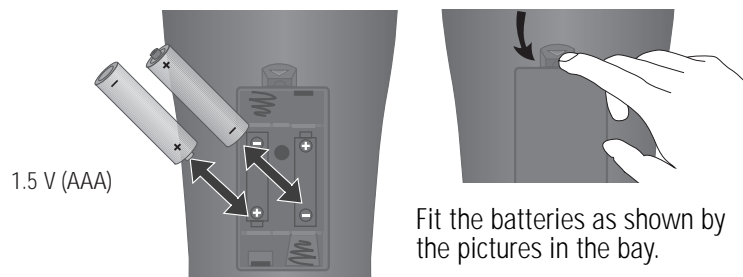
Ask your dealer for an appropriate cable if you do not have one.

**Without an A/V cable**, you need to follow the steps described under "If you are not using an A/V cable" (right page and page 17).

- ◆ Make sure the rating of the household mains supply matches the rating shown on the back of the video.

Now plug in the mains lead. The display of the video should now light.

## Fitting the remote control's batteries



1.5 V (AAA)

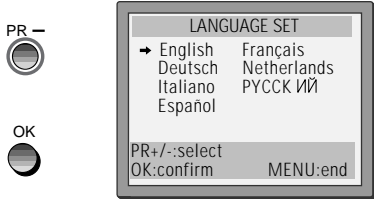
Fit the batteries as shown by the pictures in the bay.

- ◆ Protect your environment by returning used batteries to your dealer. Since batteries contain toxic substances they require special disposal methods.
- ◆ Make sure the batteries are always of the same type and age, and remove them from the remote control if you are not using it for a long period.

# DAEWOO INSTALLATION

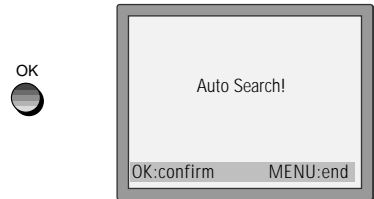
- ◆ You can also start "Auto Search" in the menu "PR Preset" → "Auto Search".
- ◆ To tune in **new stations** (manual tuning) and to enter station names see page 14-16.

## Setting up the video recorder

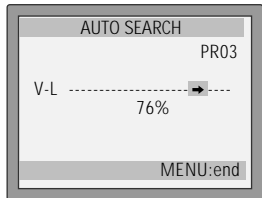


You should see this picture the first time you switch on the TV and video.

Choose your language.



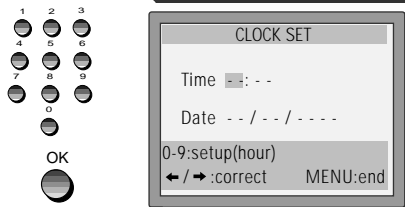
OK for "Auto Search!".



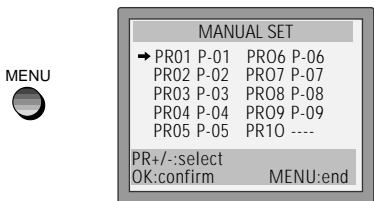
"AUTO SEARCH" tunes in all the stations you can receive in your country and ...



... sorts them in an order common for your country.



Then type in the current time and date.



Should you wish the stations to have the same numbers as those used on the TV, follow the instructions in "Sorting programme locations" on page 16. Else ...

exit the basic installation function and enjoy your video recorder.



- ◆ If you don't see this picture, because **you don't use an A/V cable**, search this picture now (CH 60) with the station tuning functions of your TV set (see its user manual).

- ◆ **RF 60** In case of interference problems on CH 60, type in an other transmission channel between 22 and 69 using the number buttons.

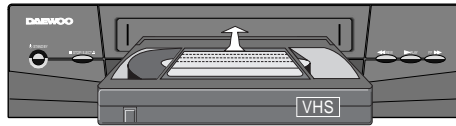


# PLAYING cassettes

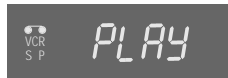


- ◆ Your TV and your video recorder are switched on.
- ◆ To see the picture from your video, press the station button on the TV reserved for video input or the AV (Audio/Video) button.

## Playing back



Load the cassette by pushing it smoothly and squarely into the cassette bay, with its windows pointing up.



Start playback.



Stop playback.



Eject the cassette.



Fast forward or rewind the cassette from stop.



- ◆ When you load a **protected cassette** (e.g. pre-recorded film, see page 13) playback starts automatically.
- ◆ PLAY switches back to **normal playback**.
- ◆ During still, slow or search, you don't hear the **sound**.
- ◆ If the still picture is **jittering**, you can steady it by using the PR +/- buttons.
- ◆ You can reduce horizontal **interference stripes** resulting from inaccurate tracking (when playing tapes of poor quality or recorded on other machines) by using the PR +/- buttons during playback.
- ◆ After approx. 5 minutes in still, the cassette plays back automatically.
- ◆ Clock / Counter / Remaining time – page 12



# PLAYING

## cassettes

### Still



Still picture from playback.

Each press of the button advances the picture one frame.

PLAY switches back to normal playback.

### Variable picture search

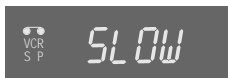


Starting from playback you can control search speed in 2 steps either forwards (▶▶) or backwards (◀◀). Press repeatedly.



PLAY switches back to normal playback.

### Variable slow motion

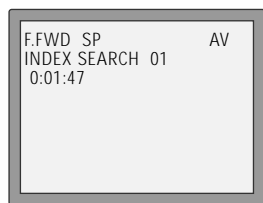


Starting from playback you can control slow motion speed in 6 steps (1/15, 1/10, 1/5, 1/30, 1/25, 1/20, 1/15, ...). Press repeatedly.

PLAY switches back to normal playback.

### Accessing new recordings (index scan)

Access the beginning of recordings in the middle of the tape using the Index + / - function. The video recorder automatically sets an electronic marker (index) at the beginning of each recording. It is these markers which the Index + / - function detects.



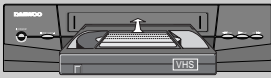
Select INDEX + or INDEX - to search forwards or backwards.

The video will now wind to the beginning of the first recording, play it for about 6 seconds then wind on to the next one.

When you see the recording you want, press PLAY.

# RECORDING

## cassettes



- ◆ The TV stations on the video have been tuned in (page 5).
- ◆ The video is switched on.
- ◆ You can either watch the picture from the video on the TV by pressing the station button reserved for video input or the AV button, watch another TV station or switch off the TV altogether.

### Simple recording



Load a cassette with its safety tab in place (see page 13).

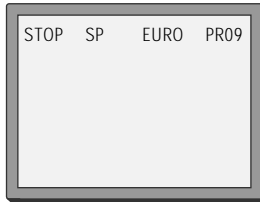
PR +



PR -



SP/LP



Choose the station whose programme you want to record.

If the programme you wish to record is very long, double the possible recording time with "LP" (Long Play).  
(only for DV-K480).

Up to eight hours with an E240 cassette.



Start your recording.

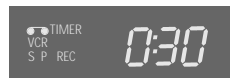


If you wish to interrupt recording briefly - then continue.



Stop your recording.


### One touch recording - OTR



Choose the station you want and press the button once for every 30 minutes of programme you wish to record.

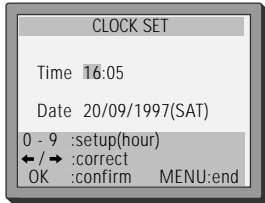
Up to ten hours are possible.



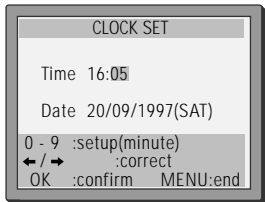
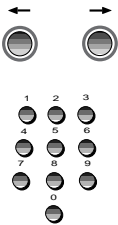
- ◆ If you want to record from a **source connected** to your video see page 18.
- ◆ **To cancel OTR** press the  button (stop) more than 5 seconds.
- ◆ The video stops automatically, if pause exceeds five minutes.
- ◆ Clock / Counter / Remaining time - page 12.

# RECORDING cassettes

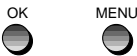
## Setting time and date



Call the video's "MAIN MENU", choose "VCR Setup", then "Clock Set".

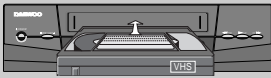


Move to the position you want to change and type in the new values.  
Wait a few seconds after typing an one-digit number.



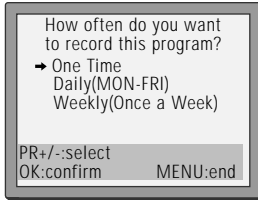
Store and exit.

# MAO WROCE functions



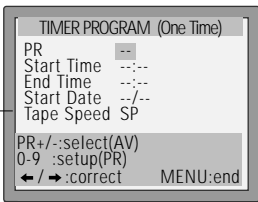
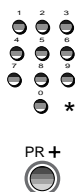
- ◆ For timer recordings, clock, date, and stations must be set correctly.
- ◆ Load a cassette with its safety tab in place (see page 13) and with sufficient free space for the recording.

## Normal timer recording



Call the video's "MAIN MENU", choose "Timer Program".

Decide if you want to record "One Time", "Daily" or "Weekly" ... and confirm.



Type in one after the other:

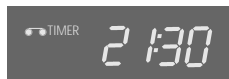
- ◆ The programme location number,
- ◆ the time the broadcast starts,
- ◆ the time the broadcast ends,
- ◆ the day of the broadcast, if it is not today.
- ◆ Select LP if you wish to make a very long recording (*only for DV-K480*).



If you wish to make changes:

Move to the position you want to change using the ←/→ buttons. Change the setting using the PR+/- or number buttons. If all setting are ok, press ← or →, till you see "OK : confirm" in the bottom line.

Confirm.



Switch your video off.



- ◆ Wait a few seconds after typing an **one-digit-number**.
- ◆ If you have made a **mistake**, move to the position you want to change using the ←/→ buttons and change the setting.
- ◆ If programme timings **overlap**, the machine will give an warning message. If you don't adjust the times, the machine will record the first programme completely then continue with the second one.
- ◆ If there is no sufficient free space for the recording on the cassette the video switches **automatically** to "LP" for double recording capacity. (*only for DV-K480*)
- ◆ The recorder will **eject** cassettes which have the safety tab removed (page13).

\* Tape Speed will not be displayed in DV-K280.

# DAEWOO functions

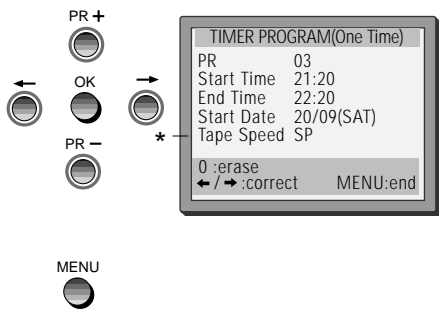
## Timer Review – changing and erasing



Call the video's "MAIN MENU", choose "Timer Review".



Select the programming to change or erase.



**If you want to erase** this programming press button 0, confirm with OK.

**If you wish to make changes:**

Move to the position you want to change using the ←/→ buttons.

Change the settings using the PR +/- or number buttons.

If all setting are ok, press ← or →, till you see "OK: confirm" in the bottom line.

Confirm changes with OK. Exit the menus.

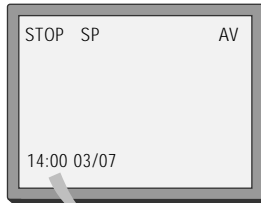
\* Tape Speed will not be displayed in DV-K280.

# MAJORCE functions



- ◆ The counter counts in real time from the point you load the cassette. This does not have to be its beginning! The counter does not count unrecorded parts of the tape.
- ◆ If you rewind beyond the zero position, the counter counts in negative values (e.g. - 0:01:15).

## Clock / counter display

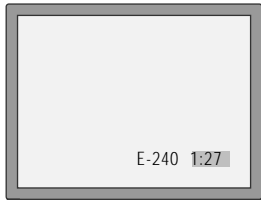


0:00:04

- 1x: Time and date (shortly),
- 2x: Counter (shortly),
- 3x: The counter stays
- 4x: The counter disappears

Counter display is only possible when a cassette is loaded.

## Remaining time and cassette length



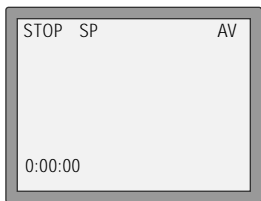
When you want the video to show the time remaining from the current video tape position (to find out if there is sufficient space for a recording, for example).

To ensure the remaining time shown is accurate, select the length of cassette currently loaded by pressing this button several times until you reach the correct length.

After the cassette length display has disappeared, pressing the button once more causes the remaining time display to disappear.

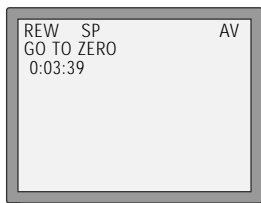
Remaining time display is only possible when the cassette is loaded.

## Resetting the counter to zero



Reset the counter.

## Accessing counter zero position

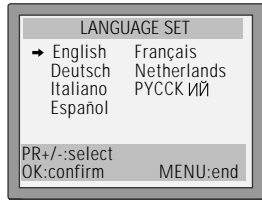


The video will wind to the position 0:00:00 and stop.

# DAEWOO

## functions

### Menu languages



Call the video's "MAIN MENU", choose "VCR Setup", then "Language Set".

Select your language.  
Confirm.

### Child lock



Press the button for about 5 seconds.

Your video can't be operated now, only timer recordings will be performed. Keep your remote control in a safe place.

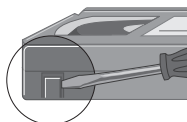
To release child lock, press the button again for 5 seconds.

### Cassettes



Use only good quality tape cassettes with the VHS logo.

- ◆ Keep cassettes away from excessive moisture or dust, magnetic and electrical fields (loudspeakers and computer monitors, for example).
- ◆ Always wind the tape to the beginning when you have finished. Store with the full spool at the bottom and with the cassette in its cover.



You can protect your precious recordings from being wiped by breaking out the safety tab on the side of the cassette (some cassettes have a slide).

Should you wish to re-use the tape after removing the tab, cover the hole with adhesive tape.

### and ...

#### Dimmer

Your video recorder dims its display when switched to stand-by mode.

#### Auto power off

Your video recorder switches to stand-by when no tape is played and no station is received for more than 5 minutes.



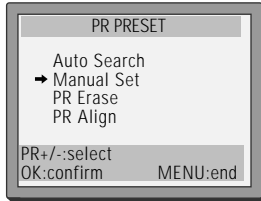
# Tuning in NEW STATIONS



- ◆ The TV and video recorder are switched on.
- ◆ To see the picture from your video, press the station button on the TV reserved for video input or the AV (Audio / Video) button.
- ◆ "AV" should not be selected with the AV button.

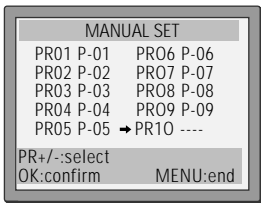
## Tuning

- MENU
- PR -
- OK 2x



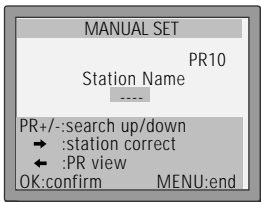
Call the video's "MAIN MENU", choose "VCR Setup", then "PR Preset".

- PR -
- OK



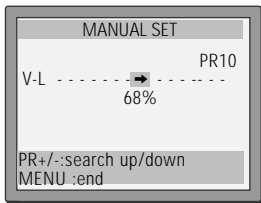
Select "Manual Set".

- PR +
- PR -
- OK



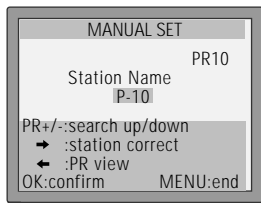
Choose any unused location number "----" or "P-xx" ...  
It's simplest to use the same location number on both the TV and video.  
... and confirm.

- PR +
- PR -



Tune in the station you want.

- ←
- OK



Press ← button to see the picture.  
If it isn't the station you want, or the picture is disturbed, carry on tuning. Once you see the station you want, store it.  
See facing page for station names.

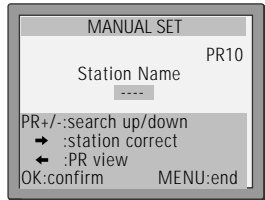
- MENU

Tune in further stations (from step 3 onwards) or exit tuning mode.

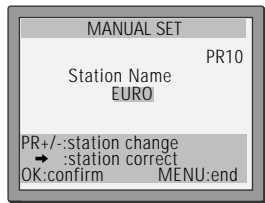
# Tuning in NEW STATIONS

## Station names

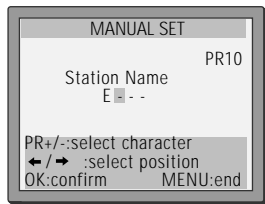
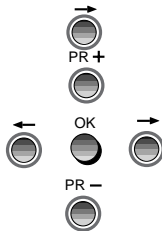
If your video is showing no station name or is showing a station name incorrectly, you can correct this. Select the station.



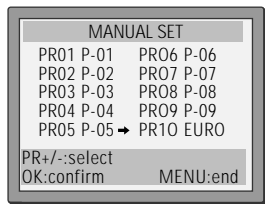
Call this menu (just see the left page), if it isn't displayed.



Select "station correct".  
Either select the name from the stored list ...



... or you select "station correct" again and enter the 4-digits name.  
Change the letters with the PR +/- buttons, move to the next letter with the ←/→ buttons.



Store and exit.



- ◆ The video's automatic tuning system usually produces the best results. In poor reception areas, **fine tuning** may improve reception. Choose the station and tune using the ←/→ buttons. Store, typing in the location number again.
- ◆ Should you wish to **tune in all the channels** available in your region, please refer to page 5.
- ◆ Should you wish to sort or clear stations, please refer to page 16.

# Tuning in NEW STATIONS



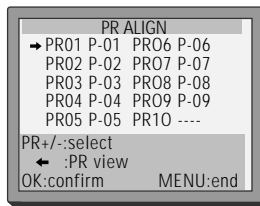
## Sorting programme locations

**MENU** If the location numbers used for programmes stored in your TV and video are different, you can change them on the video.  
**PR -** To do this, move the stations to the right numbers, until they are arranged the way you want.

**OK** 2x  
**PR -**   
**OK**

Call the video's "MAIN MENU", choose "VCR Setup", then "PR Preset" then "PR Align".

**PR +**   
**OK**   
**PR -**   
**OK**



Select the programme to swap. Confirm.

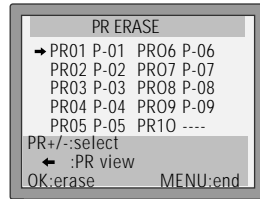
Move the station to the desired location number. Confirm.

## Clearing programme locations

**MENU**   
**PR -**   
**OK** 2x  
**PR -**   
**OK**

Call the video's "MAIN MENU", choose "VCR Setup", then "PR Preset" then "PR Erase".

**PR -**   
  
**OK** 2x



Select the station (location number) you want to clear.

Review the picture.

Clear.

# CONNECTIONS and copying

- ◆ **If you are using an A/V cable**, select the AV input on the TV to see the picture from the video.
- ◆ **If you are not using an A/V cable**, select the button number on the TV reserved for video input to see the picture from the video.

## To the TV via antenna cable (if you are not using an A/V cable)

If you are not using an A/V cable, your video can transmit pictures and sound to the TV via the coax aerial cable. Just tune the TV to the video's transmitting channel (factory set to UHF CH 60). Tune the TV carefully to ensure the best pictures and sound.

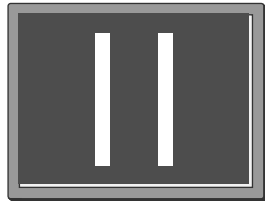
Once you have carried out the steps in "Connecting up the video recorder" (page 4), switch on your TV.

Press the OK button of the video's remote control longer than 3 seconds to call the video's test picture.

Tune the TV to the test picture using the channel pre-set functions of your TV as described in its manual.

When you have found the test picture, store it under the button number on your TV for video input.

Press the OK button of the video's remote control again longer than 3 seconds to release the test picture.



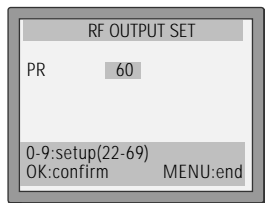
OK  
3 sec.

If the **quality of the test picture** transmitted to the TV is poor due to interference caused by a station transmitting on channel 60, you can tune the video to a different transmitting channel. Find a free channel between 22 and 69 on your TV.

Call the video's "MAIN MENU" choose "VCR Setup" then "RF Output Set".

Type in the free channel.

Store and exit.



- ◆ If the quality of the test picture transmitted to the TV is poor, fine-tuning on the TV may help (refer to the TV manual).

# CONNECTIONS and copying



- ◆ Switch off all components when connecting or disconnecting cables.

## Copying



To copy to your video **from another video machine**, connect the two machines with a cable between their A/V sockets and select as programme "AV" using the AV button.

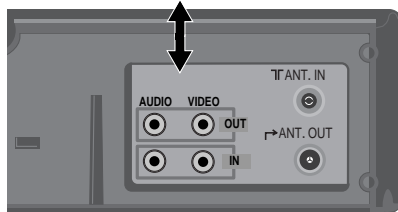
Set the other video machine to playback and your Daewoo machine to record.

To copy **to another video machine** from your video, connect the two machines by means of their A/V sockets.

On the other video, select its AV input and set the machine to record.

Switch your video to play back at the position you want copying to start.

TV  
(other VCR)



## Assembling

Should you wish to assemble your own film, from camcorder footage for example, use the assembly technique for smooth edit points:



- ◆ Move the tape to the position at which the new scene is to be added using the play functions (pages 6/7).



- ◆ Wind back slightly before the edit point and put the machine into pause using the button (do not press STOP!).



- ◆ Now go directly into record.

For the best results, the source cassette from which you are recording should already be playing back when you start recording.

# BRIEF INSTRUCTION

## for experienced users

### Playing back

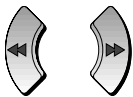
- ◆ Your TV and your video recorder are switched on.
- ◆ To see the picture from your video, press the station button on the TV reserved for video input or the AV (Audio/Video) button.



Start playback.



Stop playback.



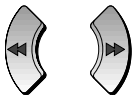
Fast forward or rewind the cassette from stop.



Still picture from playback.

Each press of the button advances the picture one frame.

PLAY switches back to normal playback.



Starting from playback you can control search speed in 2 steps either forwards (▶▶) or backwards (◀◀). Press repeatedly.

PLAY switches back to normal playback.



Starting from playback you can control slow motion speed in 6 steps (1/15, 1/10, 1/5, 1/30, 1/25, 1/20, 1/15, ...). Press repeatedly.

PLAY switches back to normal playback.



Select INDEX + or INDEX – to search forwards or backwards.

The video will now wind to the beginning of the first recording, play it for about 6 seconds then wind on to the next one.

When you see the recording you want, press PLAY.

### Simple recording

- ◆ The TV stations on the video have been tuned in (page 5).
- ◆ The video is switched on.
- ◆ You can either watch the picture from the video on the TV by pressing the station button reserved for video input or the AV button, watch another TV station or switch off the TV altogether.

Load a cassette with its safety tab in place (see page 13).



Choose the station whose programme you want to record.



If the programme you wish to record is very long, double the possible recording time with "LP" (Long Play).

(only for DV-K480)

Up to eight hours with E240 cassette.



Start your recording.



If you wish to interrupt recording briefly – then continue.



Stop your recording.

### One touch recording – OTR



Choose the station you want and press the button once for every 30 minutes of programme you wish to record.

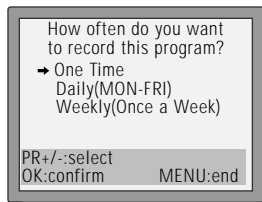
Up to ten hours are possible.

# BRIEF INSTRUCTION

## for experienced users

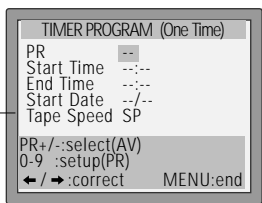
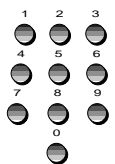
### Normal timer

- ◆ For timer recordings, clock, date, and stations must be set correctly.
- ◆ Load a cassette with its safety tab in place (page 13) and with sufficient free space for the recording.



Call the video's "MAIN MENU", choose "Timer Program".

Decide if you want to record "One Time", "Daily" or "Weekly"...  
... and confirm.

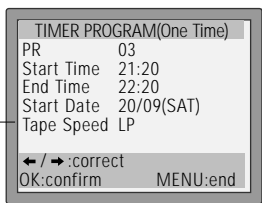


Type in one after the other:

- ◆ The programme location number,
- ◆ the time the broadcast starts,
- ◆ the time the broadcast ends,
- ◆ the day of the broadcast, if it is not today.
- ◆ Select LP if you wish to make a very long recording (only for DV-K480).



If you wish to make changes:  
Move to the position you want to change using the <- / -> button.  
Change the setting using the PR+/- or number buttons.



If all setting are ok, press <- or ->, till you see "OK:confirm" in the last line.

Confirm.



Switch the video off.

# DAEWOO

## APPENDIX

### Before you ask a specialist

#### Mains supply

the video's display does not light

- The mains lead is not connected to the wall socket.

the video doesn't work

- condensation may have formed when moving the video recorder from a cold to a warm room. Wait until the video (and cassette!) reach room temperature.

#### Recording

doesn't start

- Is a cassette loaded?

the cassette starts playback or is ejected

- the safety tab may be missing. Cover the hole with adhesive tape (page 13).

#### Playback

no picture

- Are the TV stations tuned in on the video (page 5)?
- Is there a recording on the video tape?

poor picture quality

- Use PR. -/+ buttons to adjust tracking if horizontal stripes appear.
- Is the cassette of poor quality or worn out? Test with another cassette.
- If you are not using an A/V cable, have you tuned the location for video input on the TV properly? pages 5/17.
- Try a different cassette. The video head drum may need cleaning - ask your dealer.

poor still picture

- Press **PAUSE** (pause) several times. Adjust with the PR +/- buttons until you get the best picture.

#### Remote control doesn't work

- are the batteries run down?
- is the distance between remote control and video more than 7 meters?
- is there an object blocking the direct line between remote control and video?

#### General

a cassette won't load

- is there a cassette already loaded? If so, the video's display will indicate it.

the cassette won't rewind, fast forward, play or record mode

- the cassette is already fully wound back or to the end.

timer is recording incorrectly

- is the clock set correctly (page 5/9)?

a loud noise when left in Stop mode

- if no play or record function is used for about five minutes when left in Stop mode, the video switches its motor off to conserve the mechanism.

"ERR" occurs in the display

- Your video has detected abnormal conditions. Release this mode with any button on the RCU, your video then safely switches to stand-by.



# DAEWOO

# APPENDIX

## Index

<b>Aerial</b> .....	4	<b>Protected cassette</b> .....	13
<b>Assembling recordings</b> .....	18	<b>Remaining time</b> .....	12
<b>AV</b> .....	4/18	<b>RF out</b> .....	5/17
<b>Cassette length</b> .....	12	<b>SP (Standard Play)</b> .....	8/10
<b>Channel</b> .....	17	<b>Stand-by</b> .....	Precautions
<b>Child lock</b> .....	13	<b>Station</b> .....	14-16
<b>Condensation</b> .....	Precautions	<b>Still frame adjustment</b> .....	7
<b>Cleaning</b> .....	Precautions	<b>Test picture</b> .....	5/17
<b>Counter</b> .....	12	<b>Tracking</b> .....	6
<b>Fine-tuning</b> .....	15		
<b>Location number</b> .....	14-17		
<b>LP (Long Play)</b> .....	9-10		
<b>Mains</b> .....	4		
<b>Menu</b> .....	3		
<b>OTR</b> .....	8		

## Technical data

### Dimensions

W x H x D	360 x 90 x 288 mm
Weight	4.1 kg

### Power supply

Voltage	AC 110-240V~,50/60 Hz
Power consumption	14 watt

### System

Video	PAL - I/I
Channel range	VHF 2 - 12, UHF 21 - 69, CATV S1 - S41, x, y, z (Hyperband)
Channel locations	99 + AUX
RF Out	UHF CH 22 - 69 (60)

### Video

System	VHS
Speeds	SP / LP (for DV-K480) SP (for DV-K280)

### General

Temperature range	5 - 35° C
Humidity range	< 80 %
Timer	8 events 1 month

Subject to technical alterations without notice.