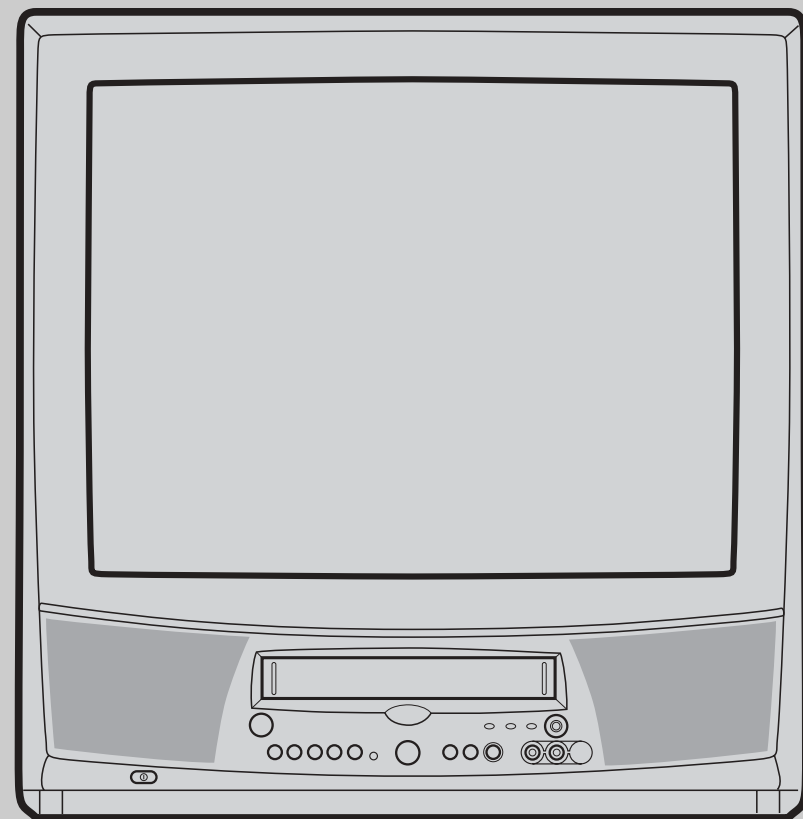


FERGUSON

Instruction Book

FTC2120T **VHS**
PAL



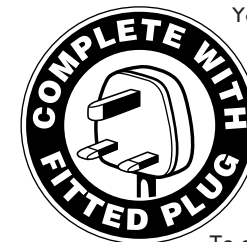
Please read these instructions before attempting to use your combined television and video cassette recorder (TV/VCR)



Never use your TV/VCR if it is damaged in any way. Always place your TV/VCR on a flat level surface avoiding anywhere which may be subject to strong vibration.



Interference - Do not place your TV/VCR on or near appliances which may cause electromagnetic interference (TV or HI-FI speakers). If you do, it may adversely affect the working of the unit, causing erratic playback distorting picture or sound.



Your TV/VCR is supplied with an approved **13 amp** fused mains plug. When replacing the fuse always use a **5 amp** (BS 1362) approved type.

To obtain a replacement fuse contact your store.



Weather - It is advisable to unplug the aerial during an electrical storm.



Temperature - Avoid extremes of temperature, either hot or cold, place your TV/VCR well away from heat sources such as radiators or gas/electric fires.



Do not remove any fixed covers as this may expose dangerous voltages.



Moisture - Do not allow your TV/VCR to be exposed to rain, moisture or dust. If any liquid is spilt into your TV/VCR it can cause serious damage. If you spill any liquid into your TV/VCR switch it off at the mains immediately. Contact your store immediately.

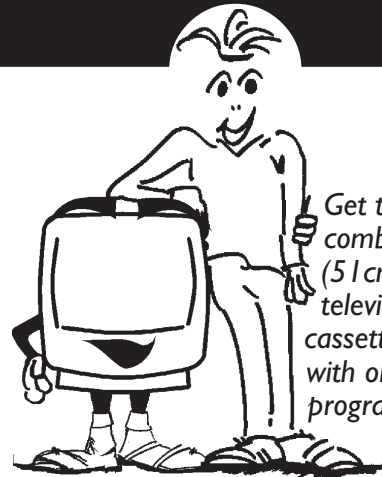


Batteries are easily swallowed by young children. Do not allow young children to play with the remote control unit.

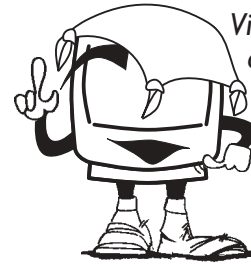


Ventilation - The ventilation holes on the top and sides of your unit prevent it from over heating. Do not block or cover these holes - especially with cloth or paper.

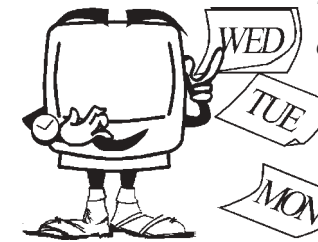
Features of your TV/VCR



Get to know your combined 21" (51cm) colour television and video cassette recorder with on screen programming.

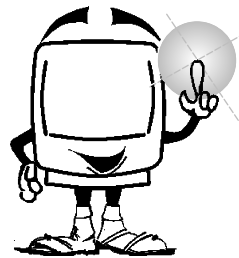


Video index search system automatically records marks on the tape whenever you start a recording. These marks are located by your TV/VCR so that you can go straight to your desired recording without having to keep stopping and viewing your tape.

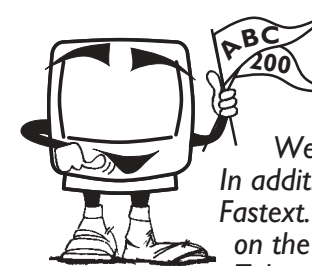
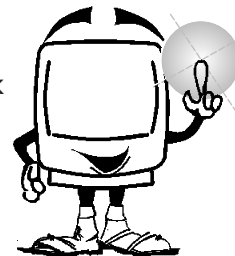


The built-in timer allows automatic unattended recording of up to 8 TV programmes within 1 month. Using the serial facility you can easily record a programme which is broadcast at the same time every day or every week. Timer recordings can be programmed and confirmed on screen.

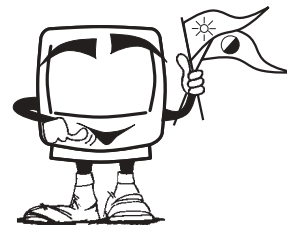
Your TV/VCR marked "HQ" (high quality) incorporates VHS high quality technology. A built-in detail enhancer is used to boost the recorded signal and provide maximum picture quality in playback.



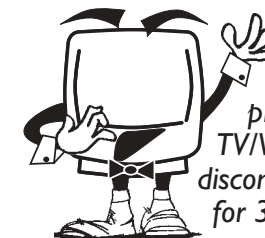
Your TV/VCR is designed to playback NTSC colour tape. (The format usually used in America and Japan)



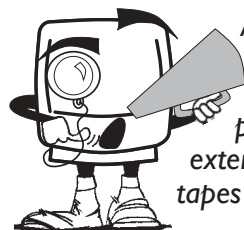
Your TV allows you to access Teletext, the magazine services operated by television companies. A variety of information is available including News, Weather, Financial and Travel information. In addition to Teletext your TV/VCR incorporates Fastext. Using the four coloured Fastext buttons on the remote control you may move around Teletext services with greater ease and speed.



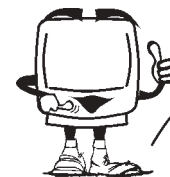
The on screen display allows precise remote control adjustment of brightness, contrast, colour, and sharpness. When you select a channel or make other changes, your TV/VCR will show an indicator on the screen for a few seconds.



Your TV/VCR includes a Security PIN code feature that can prevent unauthorised use of your TV/VCR after it has been disconnected from the mains supply for 30 minutes or longer.



Automatic repeat play system will automatically play back the same tape repeatedly. Your TV/VCR is pre-set to standard play but you may extend the recording time of your video tapes by using the long play feature.



On screen programming allows easy every day use of the functions you are likely to use most often during everyday playback and recording.

Useful background information

If you have any difficulty inserting the batteries in the remote control please refer to your *Quick Start* guide.

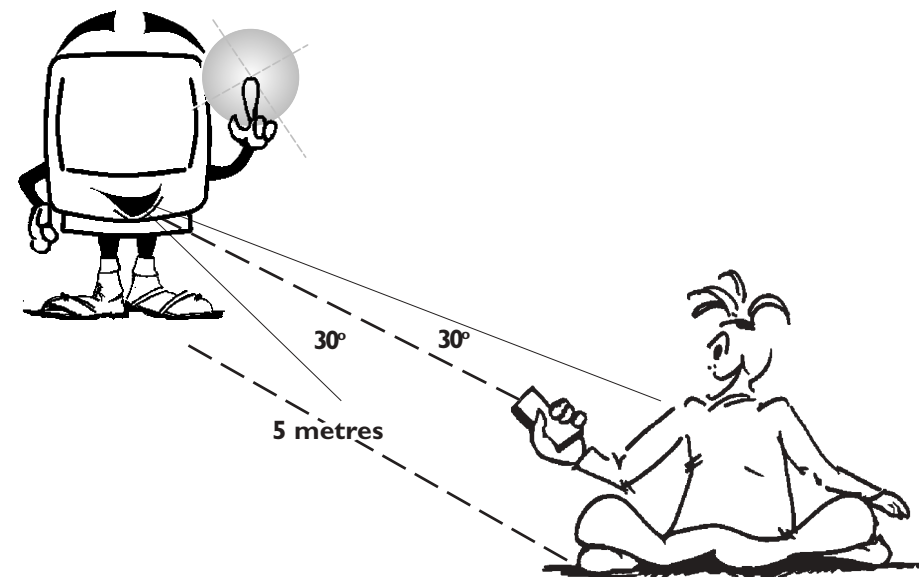


Remote control operation may become erratic: if direct sunlight, fluorescent lamp, standard household lamp (incandescent) or any other strong light source shines on the remote sensor.

When there is an obstacle between your TV/VCR and the remote control.

If you try to operate your TV/VCR from a distance greater than 5 metres.

If you try to operate your TV/VCR away from the normal viewing angle (over 30° either side of the remote sensor).



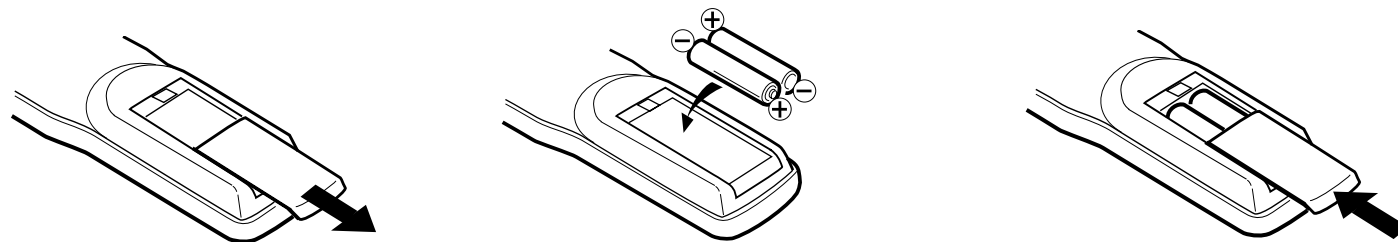
How to insert batteries

Push and slide the **battery cover** on the back of the remote control. Use two AAA / R03 / MN2400 size batteries for the remote control. Insert the batteries according to the polarity illustration inside the battery compartment.

Make sure + matches + and – matches –.

The batteries may last approximately one year depending on how much the remote control is used. For best performance it is recommended that batteries are replaced on a yearly basis, or when remote control operation becomes erratic. Do not mix old and new batteries or different types.

Weak batteries can leak and severely damage your remote control. Always remove batteries immediately when they become weak, or if your TV/VCR is not to be used for a long time.





Contents

Your instruction book is divided into four sections.

Setting up your combined Television and Video Cassette Recorder

Page

6

This will explain how to set up your **Television** and **Video Cassette Recorder** for all its uses.

Television operation

Page

13

This will explain how to use all the features of the **Colour Television**.

Video Cassette Recorder operation

Page

25

This will explain how to use all the features of the **Video Cassette Recorder**.

Fault finding

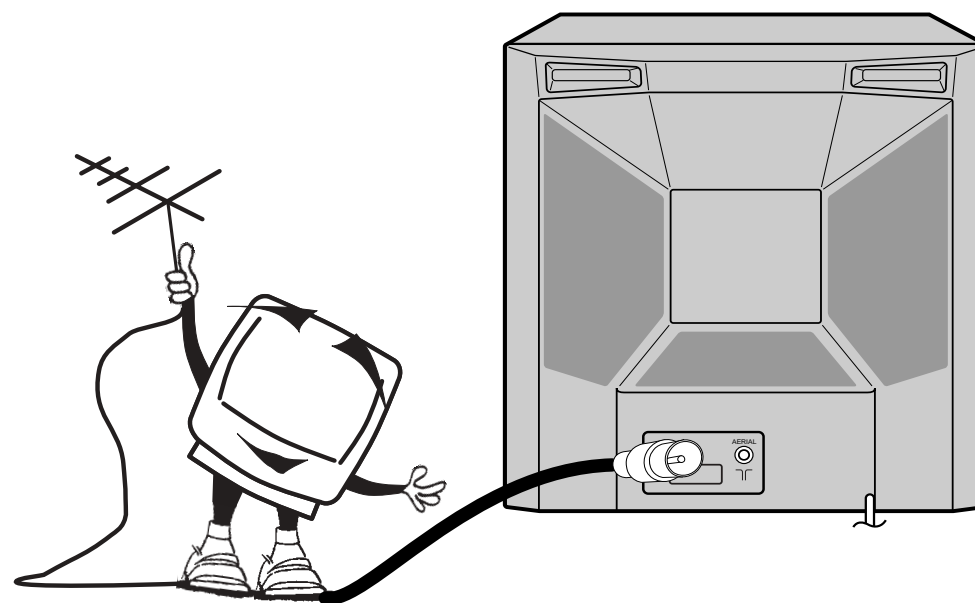
Page

40

If you encounter difficulty using your **Television** and **Video Cassette Recorder** some of the most common problems are explained.

Installing your TV/VCR

To complete your installation you will need to connect your TV/VCR to an aerial^(not supplied).

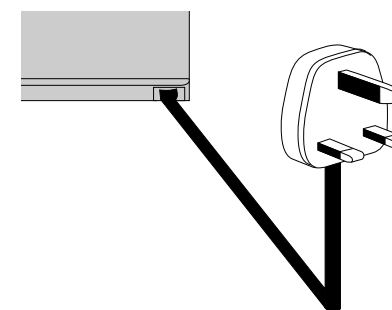


1 Insert the **aerial**^(not supplied) into the **aerial socket** of your TV/VCR.



The type of aerial required depends on the position of your home, its distance from the transmitter and local interference. If you do not have an aerial and you are uncertain of what to buy, you should seek the advice of a local aerial contractor.

2 Plug your TV/VCR into a mains supply (AC).

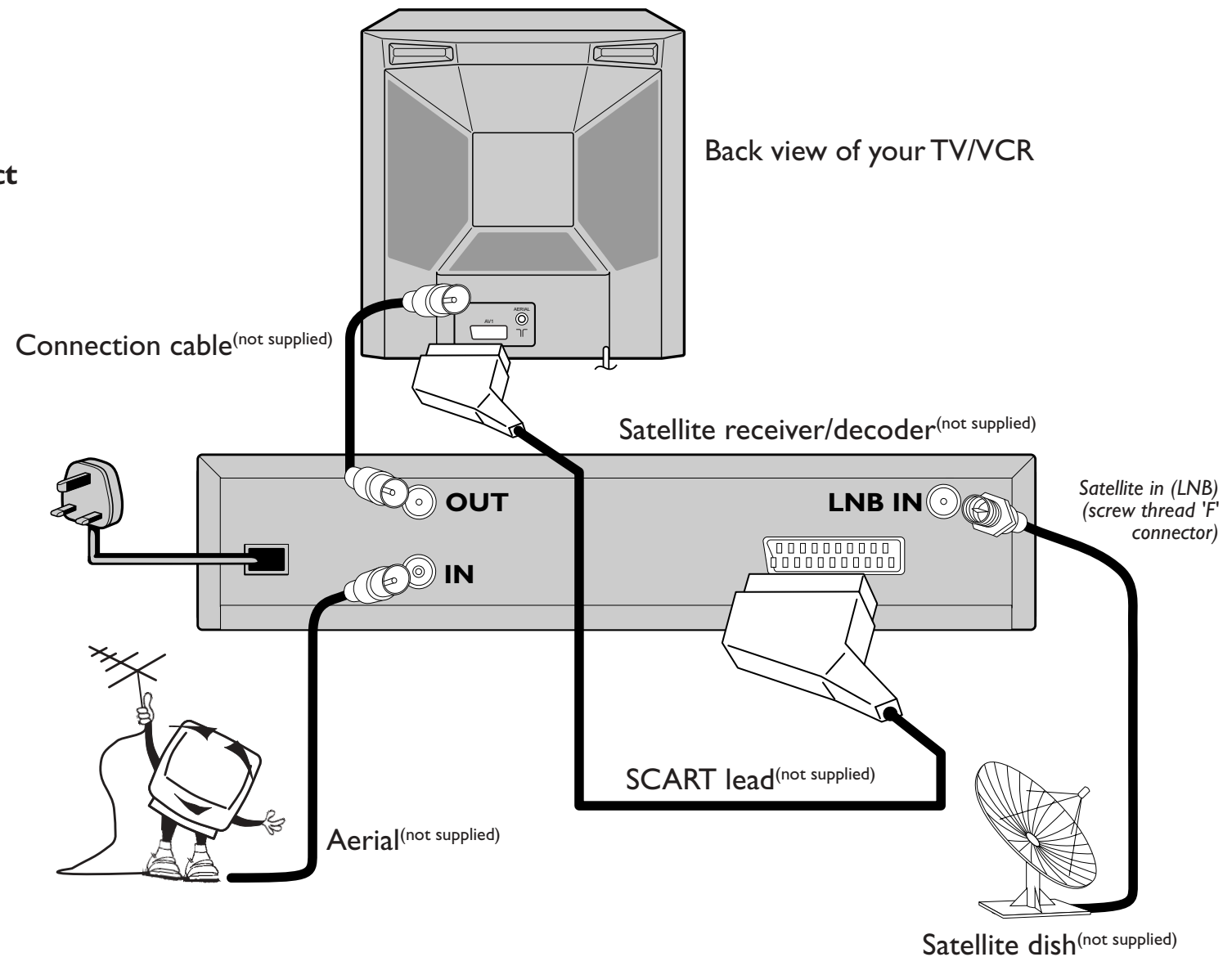


Connecting your TV/VCR to a Satellite system using a SCART lead

Due to the wide variety of satellite receivers, decoders and systems available, the connection diagram given on this page is only a basic guide. If you require a more detailed explanation please refer to your satellite system instructions.

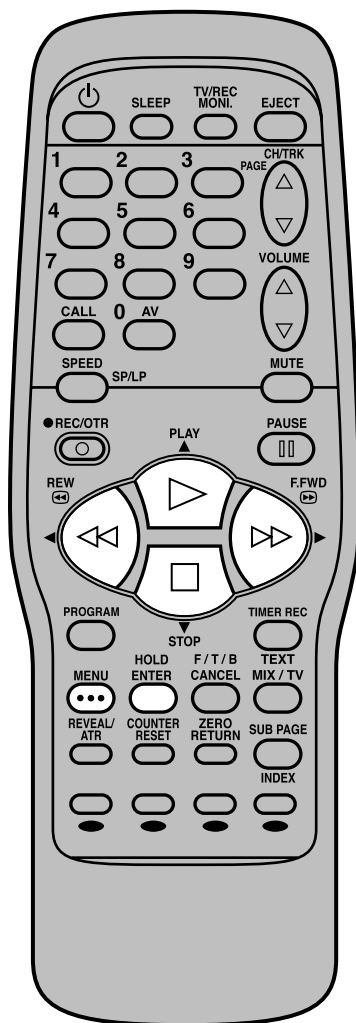
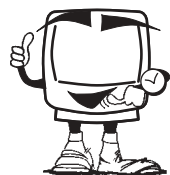
If you wish to view your satellite system using a **SCART** cable you must select the channel marked **AV** by pressing **0/AV** button.

All connections must be made with both your TV/VCR and satellite receiver unplugged from the mains supply.



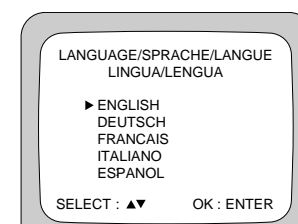
How to set the clock

Your TV/VCR is fitted with a 24 hour clock and a calendar. You will be unable to use your TV/VCR properly unless the time and date are set and keeping time correctly. **Please note that you will be unable to select TIMER REC SET or ON/OFF TIMER SET from the main menu until you have set the CLOCK.**



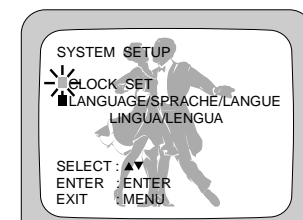
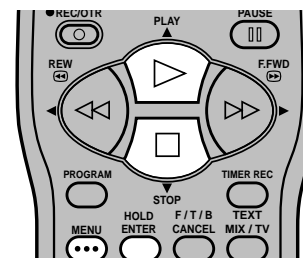
Selecting the language

Press **MENU**; the language screen will be displayed (This will only happen when you first use the menu; normally the main control menu would be displayed).
Select your desired language using **PLAY** or **STOP**, then confirm it by pressing **ENTER**.
If you wish to change the language in the future, you can access the LANGUAGE menu by going through the SYSTEM SETUP screen, selecting LANGUAGE and pressing ENTER.
Then select your desired language as above.



Press **MENU**. The SYSTEM SETUP menu will appear on your TV screen.

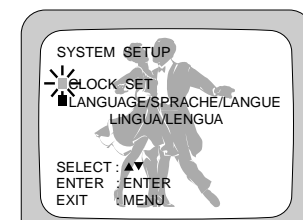
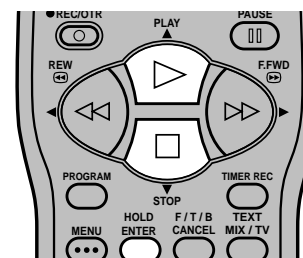
If the main menu appears instead, press **PLAY** or **STOP** until the square next to the "SYSTEM SETUP" starts to flash, then press **ENTER**.



Select the SYSTEM SETUP screen

Press **PLAY** or **STOP** to select "CLOCK SET".

Press **ENTER**, the "CLOCK SET" screen will appear.



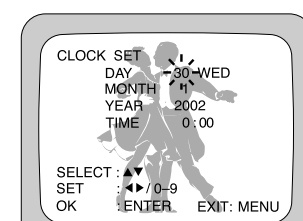
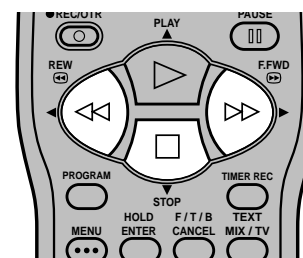
Select the CLOCK SET screen

The *date* digit will flash.
Press **REW** or **F.FWD** until the current date is displayed.

Store the date setting by pressing **STOP**.



Please note that the day of the week setting will not be correct until you have finished setting the date, month and year.



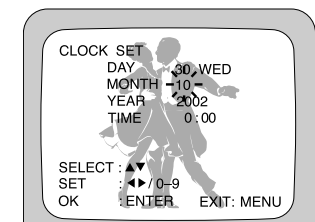
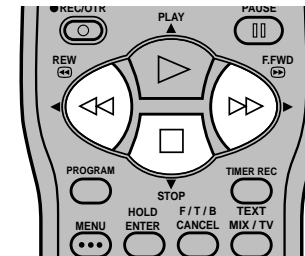
Enter the current date

Your TV/VCR will **NOT** timer record if the clock is not set. After a power failure or being unplugged from the mains the clock and all programmed settings will continue to operate for approximately 30 minutes. **If the power failure lasts for more than 30 minutes all TIMER RECORD, TIMER and CLOCK settings will be lost.**

How to set the clock

The *month* digit will flash.
Press **REW** or **F.FWD** until the current month is displayed.

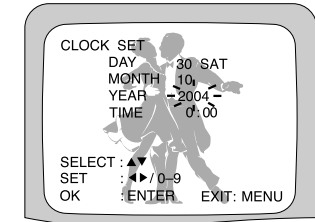
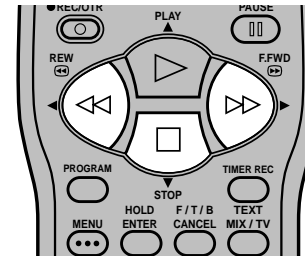
Store the month setting by pressing **STOP**.



Enter the current month

The *year* digit will flash.
Press **REW** or **F.FWD** until the current year is displayed.

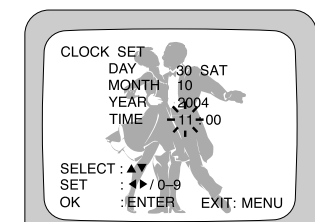
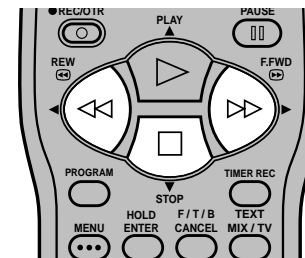
Store the year setting by pressing **STOP**.



Enter the current year

The *hour* digit will flash.
Press **REW** or **F.FWD** until the current hour is displayed.
(Your TV/VCR uses a 24hr clock)

Store the hour setting by pressing **STOP**.

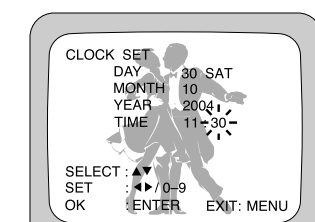
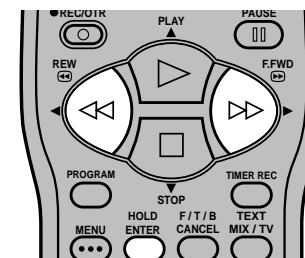


Enter the current hour

The *minute* digit will flash.
Press **REW** or **F.FWD** until the current minute is displayed.

Store your setting by pressing **ENTER**.

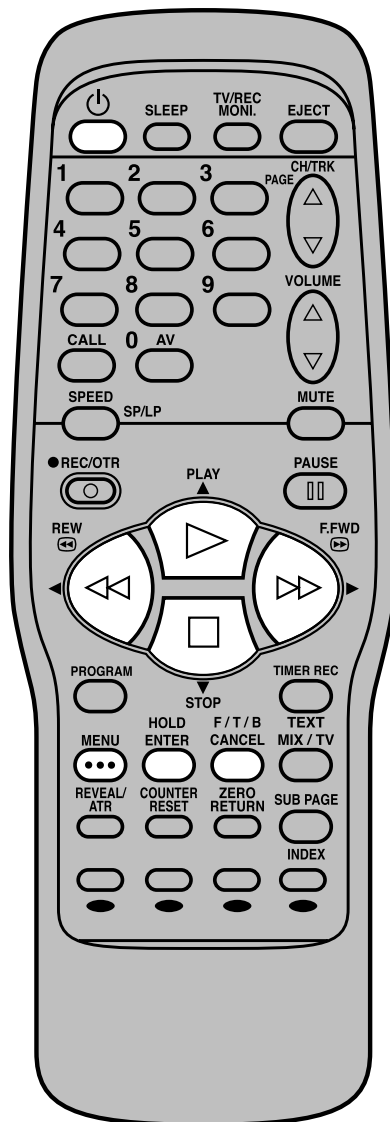
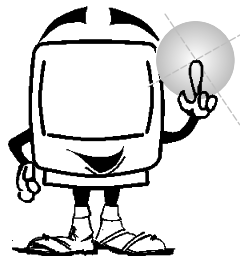
The CLOCK SET screen will disappear and the time and date will be displayed for 5 seconds.



Enter the current minutes

The current date and time is now set in your TV/VCR's memory.


How to tune in television stations

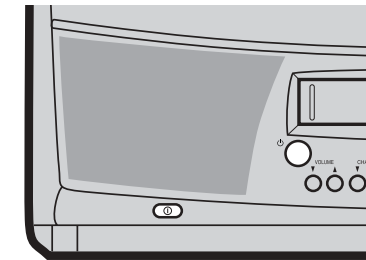
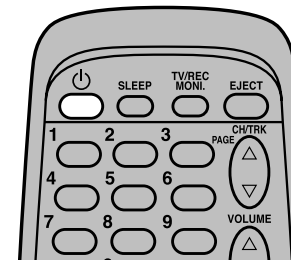


Make sure that your TV/VCR is properly installed.

Press the **MAIN POWER** switch on the **front** of your TV/VCR to the **on** position.

Press the **⏻** button on the **front** of your TV/VCR or the remote control.

 Proceed with **CLOCK SET** first. The **CLOCK** should be set before you proceed with **CH TUNING** (see page 8).



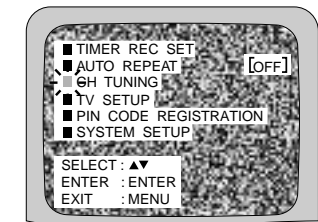
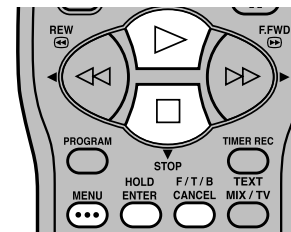
Switch on your TV then press **⏻** on the set or on the remote control.

Press **MENU** on your remote control until the main menu appears on your TV screen.

Press **PLAY** or **STOP** on your remote control until the square next to "CH TUNING" starts to flash.

Please note that you cannot access CH TUNING if the AV channel is selected.

Press **ENTER** on your remote control.

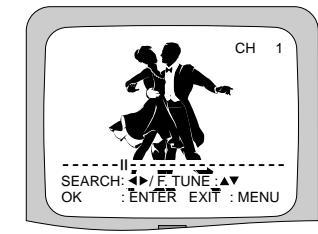
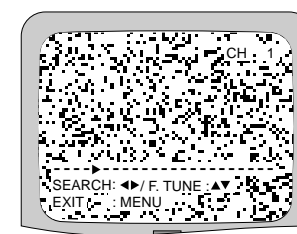
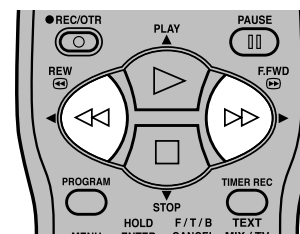


Select **CH TUNING**

Press **F.FWD** to search up the waveband or **REW** to search down the waveband.

Each time a station is found the search will stop.

Press **REW** or **F.FWD** to continue searching until the station you want is found.



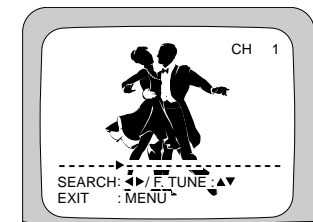
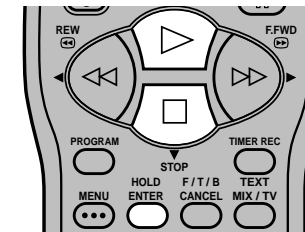
Search for your required station

If you do not press a key within 1 minute your TV/VCR will remove the tuning menu.

How to tune in television stations

Should you need to make the picture even clearer and sharper, press **PLAY** or **STOP**.

When you have a clear crisp picture store this setting by pressing **ENTER**.



Manually fine tune the picture



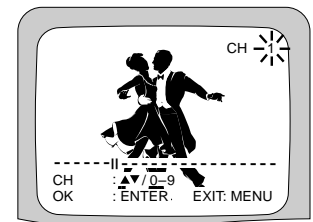
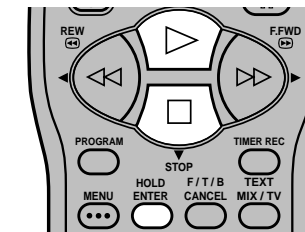
It is highly recommended that you store the stations you tune in the order shown in the table below.

BBC 1	channel 1
BBC2	channel 2
ITV	channel 3
CHANNEL 4	channel 4
CHANNEL 5	channel 5 (if receivable)
SATELLITE	channel 6 (if fitted)

Press **PLAY** or **STOP** to select your required channel number (1~80).

Press **ENTER** to store the channel number.

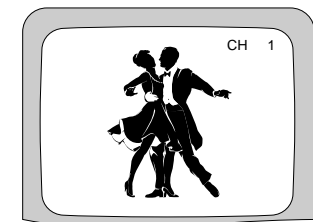
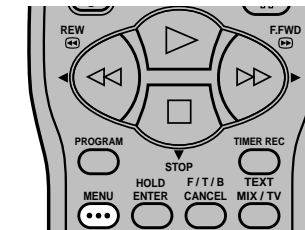
Use the channel guide on the left for guidance.



Select required channel number

Repeat stages 3 - 5 for tuning other channels.

Press **MENU** to remove the *tuning menu* from the screen.



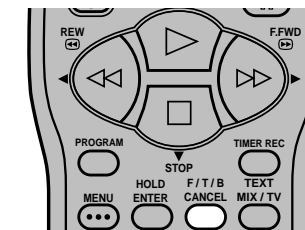
Press MENU to clear the display

If at a later date you wish to skip an unwanted channel when using **CH/TRK up** (▲) or **down** (▼), press **CANCEL** on the remote control.



The channel number will flash when skip is selected for that channel.

To cancel the skip function, type in the channel number i.e. **2** and press **CANCEL**. The channel number will cease to flash.

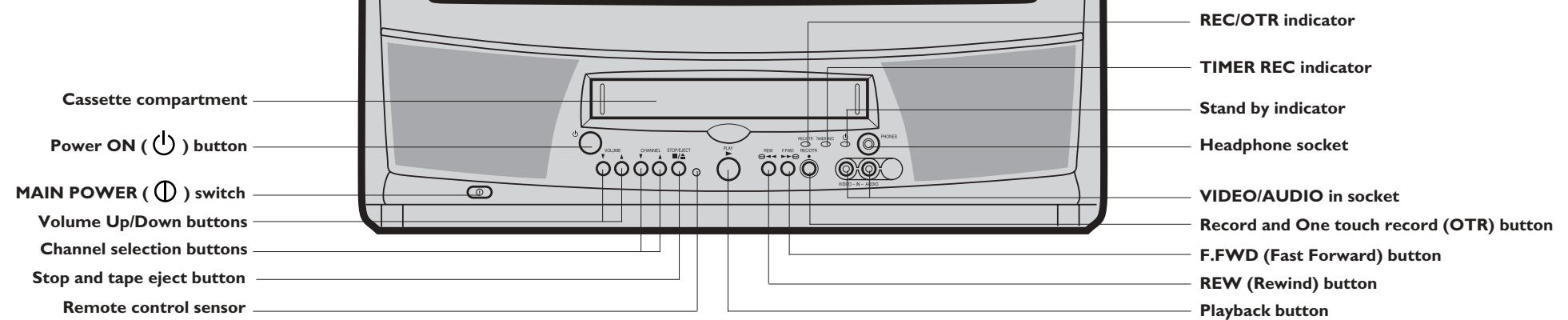


Press CANCEL to skip the channel

Your TV/VCR is now tuned in and ready to watch.

Get to know your TV/VCR

Each button listed in this section has the same function as its corresponding button on the remote control.





Basic TV operation

Selecting a channel	14
Adjusting the sound	15
How to mute sound	15
Call	15
Headphone socket	15

Advanced TV operation

Adjusting the picture	16
ON and OFF Timer	18
Sleep Timer	20

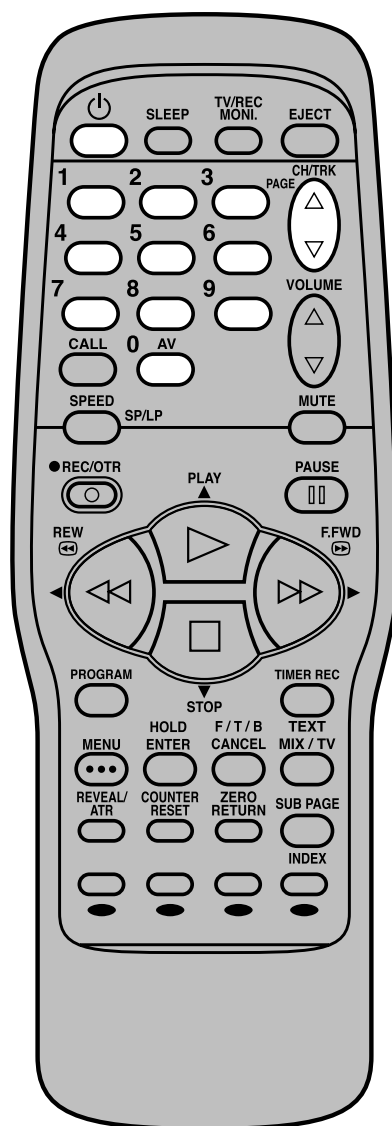
Teletext

How to use teletext	21
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TV operation...

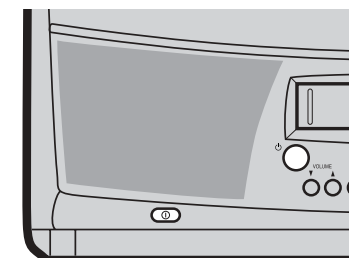
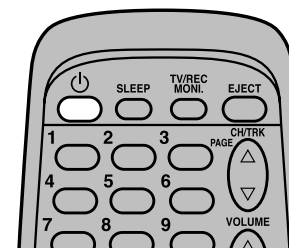
Selecting a channel



Make sure that your TV is properly installed.

Press **MAIN POWER** switch on the front panel - the red standby indicator will light.

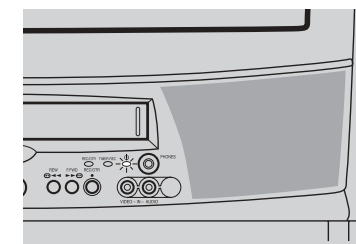
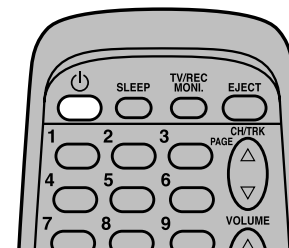
Switch on your television by pressing on the front panel or on the remote control.



Switch on your TV then press on the set or on the remote control

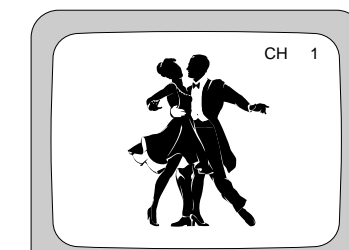
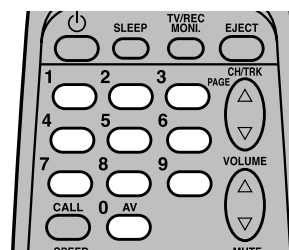
To put your TV into **standby** mode, press on the remote control. The red **STAND BY** indicator will appear.

The button on the remote control doesn't switch the set off completely, it only switches it to **standby** mode. To turn your television off completely, switch off **POWER**.



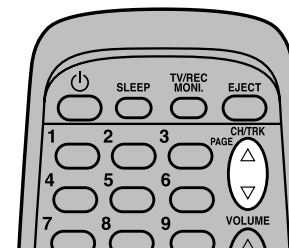
Press the **numbered** buttons to select channels.

When selecting channels, press the numbered buttons. For example, for **channel 3** press **3**, for **channel 25** press **2** then **5**.



When a channel is selected the channel number is displayed in the top right corner of the screen

Press **CH/TRK up** () or down () to select channels in sequence; e.g. 1, 2, 3, 4 etc.



Select channels in sequence using **CH up** or **down**

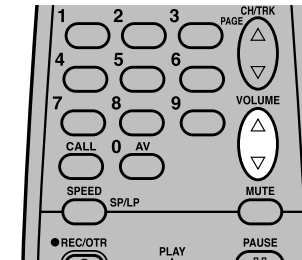
These methods of selection are used for both TV and VCR operation.

Adjusting the volume and call feature



If stereo headphones are used, sound may only be apparent through one speaker. If this happens try a stereo/mono adaptor (not included) or check the operation of your headphones for independent volume or balance control.

Press **VOLUME up** (▲) or **down** (▼) to adjust the sound level.

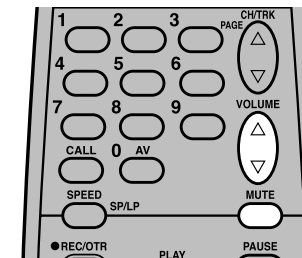


The sound level can be adjusted by using **VOLUME** (▲) and (▼)

Press **MUTE** to switch off the sound.



When the sound is switched off the mute symbol will appear on screen.



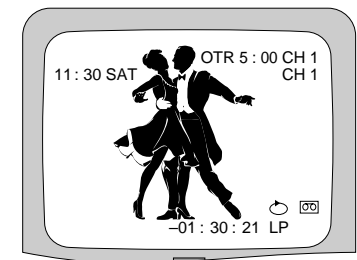
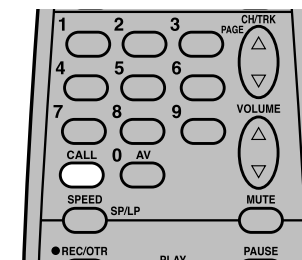
Press **MUTE** a second time or press **VOLUME up** (▲) or **down** (▼) to switch the sound back on.

The sound can be temporarily switched off using **MUTE**

Press **CALL** on the remote control; the TV screen will display the current time, channel and any other information (e.g. tape counter, record sign).



The **CALL** display will not disappear unless you press **CALL** again.

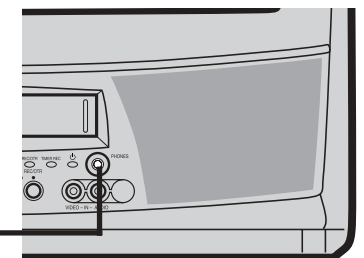


Press **CALL** for channel information

The socket will only accept a jack plug the size of that found on a normal pair of personal cassette player headphones (3.5mm).

When used, the speaker of your TV/VCR will be disconnected.

Always remove the headphones after use for normal viewing.

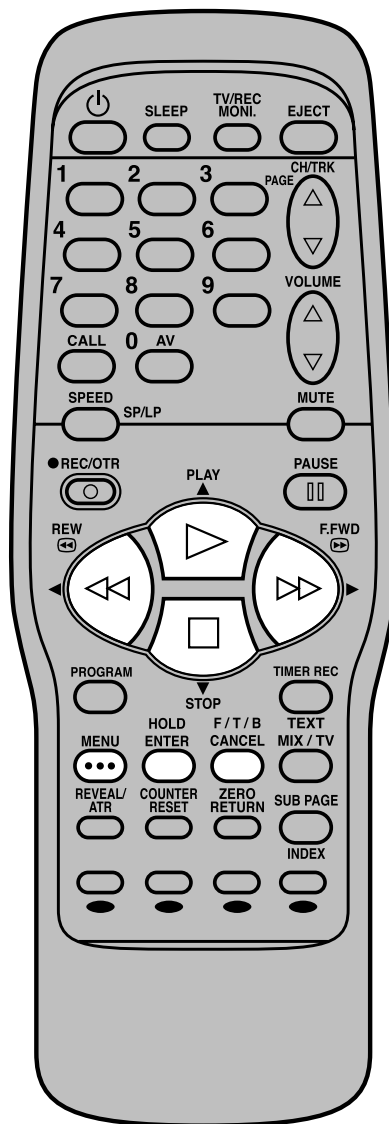
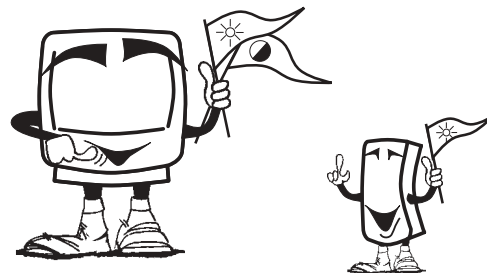


Plug your headphones into the **headphone socket**

The next pages describe in greater detail how to operate your TV.

Adjusting the picture

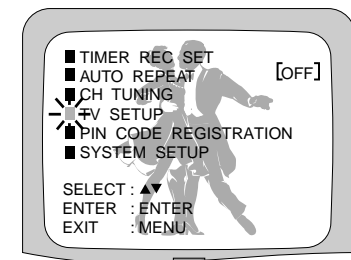
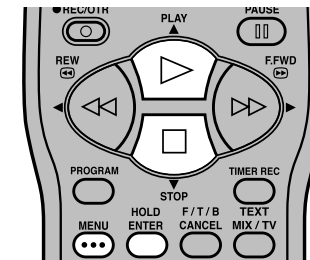
The picture settings have been adjusted by the factory under optimum signal reception conditions. However, conditions may not be the same in your area. After turning on your television, allow it to warm up for a few minutes before making any adjustments. Should you wish to reset picture controls back to factory settings press **CANCEL** (When picture adjustment bar is on the screen).



Press **MENU** on your remote control until the main menu appears on your TV screen.

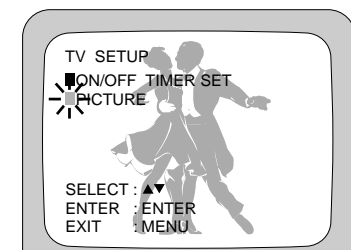
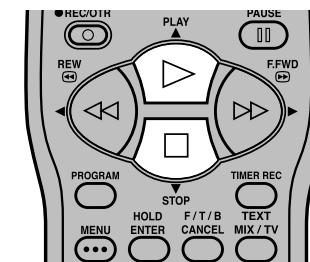
Press **PLAY** or **STOP** on your remote control to highlight "TV SETUP".

Press **ENTER** on your remote control.



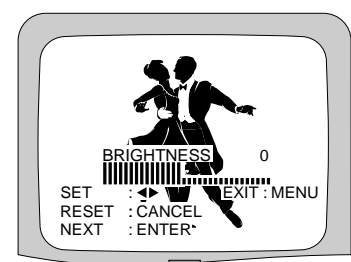
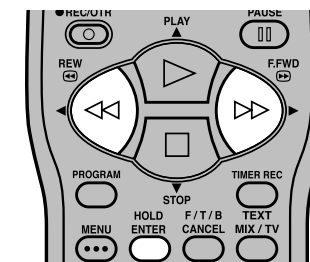
Press **MENU** for the on screen display

Press **PLAY** or **STOP** to highlight "PICTURE".



Select the **picture** features

Press **ENTER** to display the **brightness** bar; press **REW** or **F.FWD** to adjust the brightness of the picture.



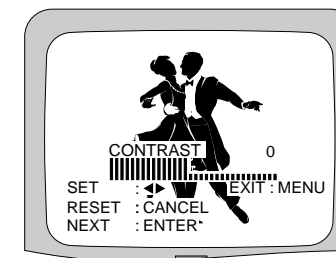
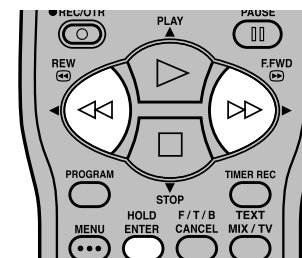
Press the **REW** or **F.FWD** button to adjust the brightness of the picture

Adjusting the picture

Press **ENTER** to display the **contrast** bar; press **REW** or **F.FWD** to adjust the contrast of the picture.

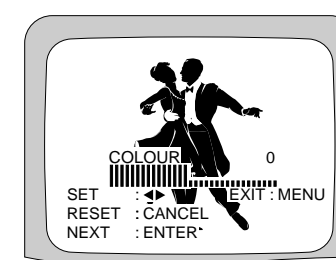
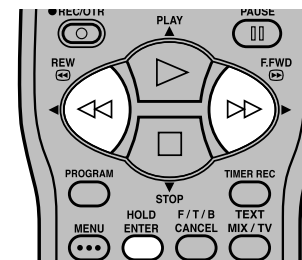


Pictures appear sharpest in the daytime by increasing the contrast. In the evening (when surroundings are darker) try reducing the contrast to obtain the best picture.



Press the **REW** or **F.FWD** button to adjust the contrast of the picture

Press **ENTER** to display the **colour** bar; press **REW** or **F.FWD** to adjust the colour of the picture.

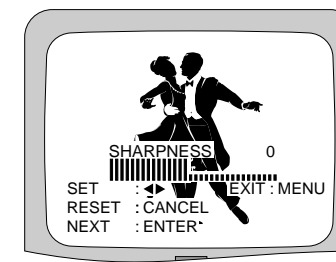
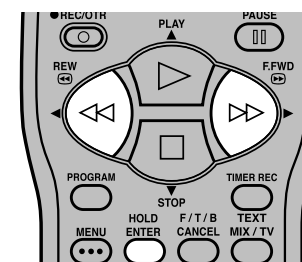


Press the **REW** or **F.FWD** button to adjust the colour of the picture

Press **ENTER** to display the **sharpness** bar; press **REW** or **F.FWD** to adjust the sharpness of the picture.



In weak reception areas, the picture may appear more pleasing when **sharpness** is set at a lower level.

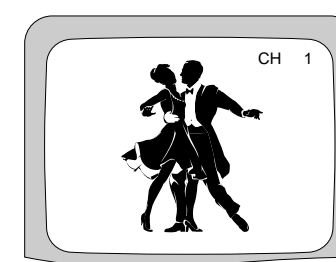
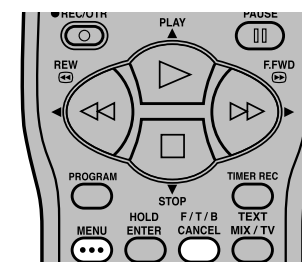


Press the **REW** or **F.FWD** button to adjust the sharpness of the picture

Press **MENU** to clear the display.



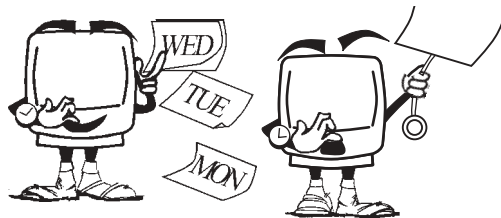
Memorised factory settings can be reset by pressing the **CANCEL** button when any of the picture adjustment bars are on screen.



These methods of adjusting the picture are used for both TV and VCR operation.

Timer functions

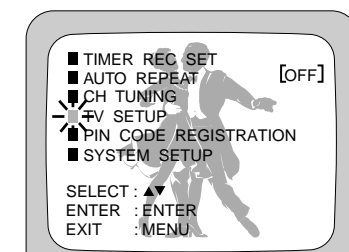
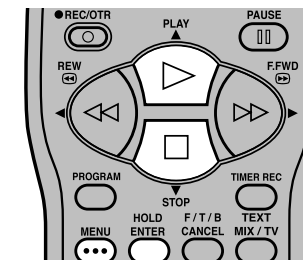
The **on timer** feature allows you to automatically turn on your TV/VCR at a set time. The **on timer** will turn on your TV/VCR everyday at the same time and select the same channel.
The **off timer** allows you to turn off your TV/VCR at a set time. You can set the **off timer** in conjunction with the **on timer**. Please note the **on/off timer** is **NOT** the same as the **video timer record** feature.



Press **MENU** on your remote control until the main menu appears on your TV screen.

Press **PLAY** or **STOP** on your remote control to highlight "TV SETUP".

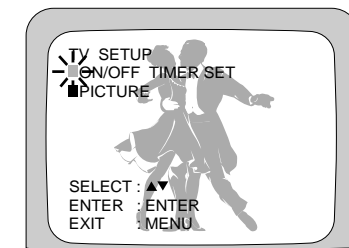
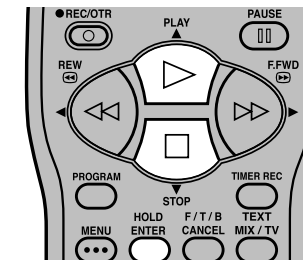
Press **ENTER** on your remote control.



Select the TV SETUP menu

Press **PLAY** or **STOP** until the square next to "ON/OFF TIMER SET" starts to flash.

Press **ENTER** to display the timer menu.

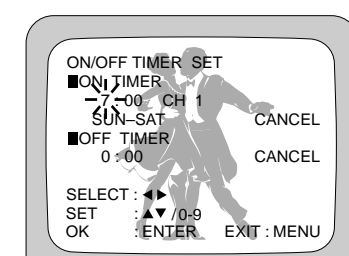
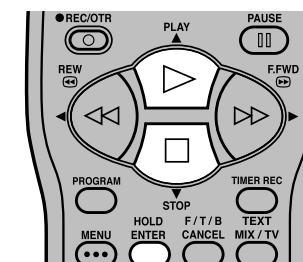


Select the on/off timer set menu

The square next to "ON TIMER" will flash.
Press **ENTER** to select the **on timer**. The **hour** digit will flash.

Press **PLAY** or **STOP** to enter the hour at which you want your TV/VCR to automatically switch on.

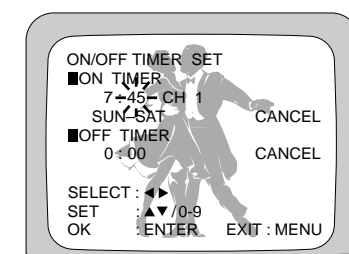
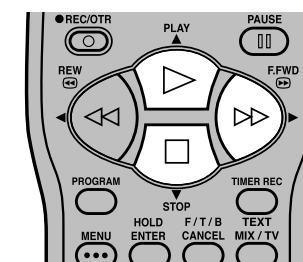
Remember your TV/VCR uses a 24 hour clock.



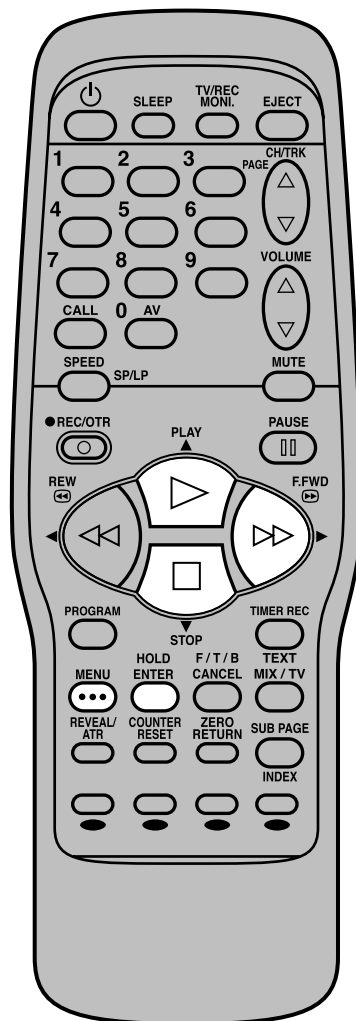
Enter the hour

Press **F.FWD**. The **minute** digit will flash.

Press **PLAY** or **STOP** to enter the minute at which you want your TV/VCR to automatically switch on.
Confirm your selection by pressing **F.FWD**.



Enter the minutes

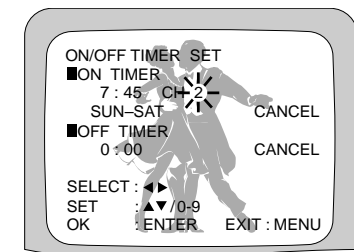
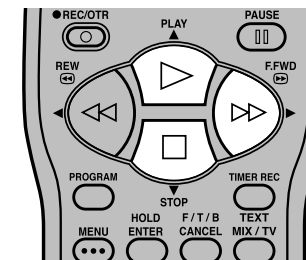


Remember if you are to leave your TV/VCR unattended for a long period of time then for safety reasons you must unplug your unit from the mains supply.

Timer functions

The **channel** digit will flash.

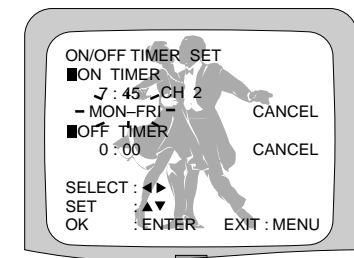
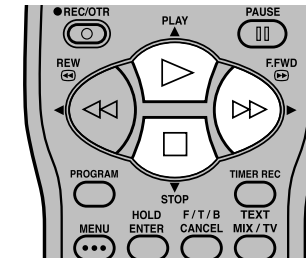
Press **PLAY** or **STOP** to enter the channel you wish to display when your TV/VCR switches on.
Confirm your selection by pressing **F.FWD**.



Enter the **channel**

The **date** digit will flash.

Press **PLAY** or **STOP** to select either the every day or every week options.
Confirm your selection by pressing **F.FWD**.



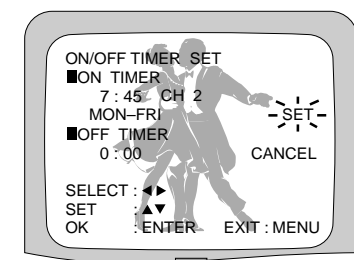
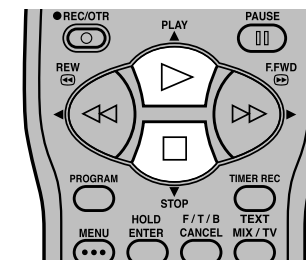
Enter the **date**



If you make a mistake during setting the on/off timer, press **REW** or **F.FWD** to select the information you want to change and then press **PLAY** or **STOP** to change it.

Press **PLAY** or **STOP** to activate your **on timer**. The word "CANCEL" will change to "SET" when the timer is activated.

If you wish to cancel the **timer on** function press **PLAY** or **STOP** again until the word "CANCEL" is displayed.



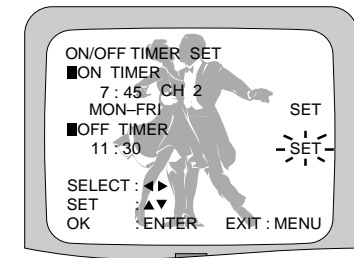
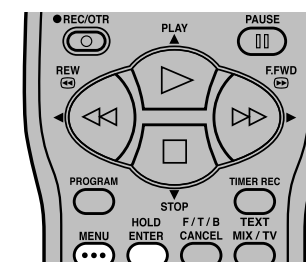
Set the **on timer**



If no **off time** is set approximately 1 hour after the timer turns on your TV/VCR your unit will turn off again, this prevents your unit from playing continuously. If you wish to continue viewing after automatic switch on, press any button on the remote control.

If you wish to set the **off timer** press **ENTER** and repeat stages 3 - 7.

Once you have set the timer(s) press **MENU** three times then switch your TV/VCR to **standby** by pressing the **⏻** button on the remote control.

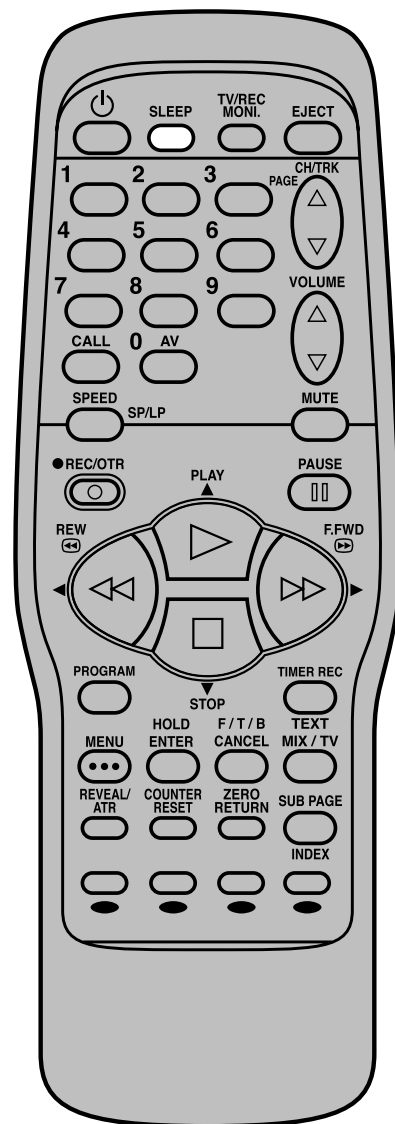
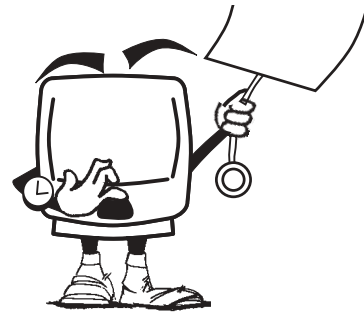


You may set the **off timer**

The automatic switch on and off functions will only operate the TV.

Sleep function

The sleep function allows you to automatically switch your television into standby after a preset amount of time (up to 120 minutes). In addition should you fall asleep or leave your TV/VCR unattended it will automatically switch into standby 30 minutes after the end of transmissions.



To set the **sleep timer** press **SLEEP**.

"SLEEP 120" will appear on screen.

The display will clear in five seconds and your TV/VCR will switch off automatically after **120** minutes.



Press **SLEEP** to set the sleep timer

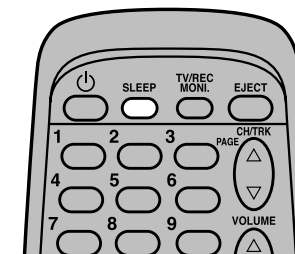
Repeated presses of **SLEEP** will decrease the sleep timer in 10 minute intervals from 120 minutes to 10 minutes.

1st press 120 minutes.

2nd press 110 minutes.

...etc. 100, 90, 80.

When you have set the sleep timer your TV/VCR will return to a normal picture and automatically switch off after the preset sleep time.



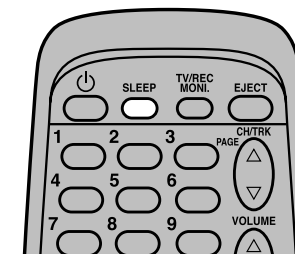
Each press of **SLEEP** will decrease the sleep timer

To **cancel** the **sleep timer** set the sleep timer to **0**.

The display will clear in five seconds and your TV/VCR will **not** switch off automatically.



The **sleep** function will not affect any TV/VCR record settings, **only the picture will shut off after the sleep time passes.**

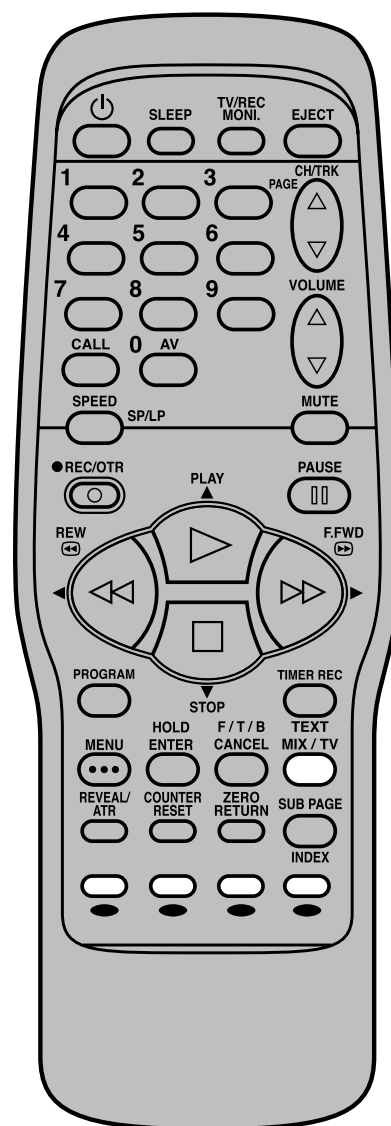


To cancel sleep timer press **SLEEP** until "SLEEP 0" is displayed

Use **power** on the remote control to switch your TV/VCR on after sleep timer has switched it off.

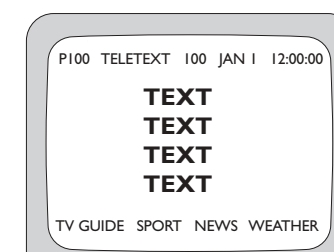
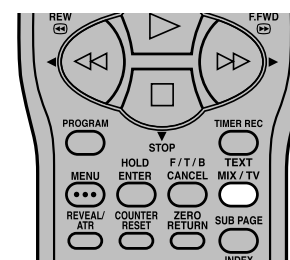
Teletext feature

Teletext is the name given to the magazine services operated by television companies. A variety of information is available including News, Weather, Financial and Travel information. Teletext is normally transmitted whenever a station is on air. In addition to Teletext your television also incorporates Fastext. Using the four coloured Fastext keys you may move around Teletext services with greater ease and speed.



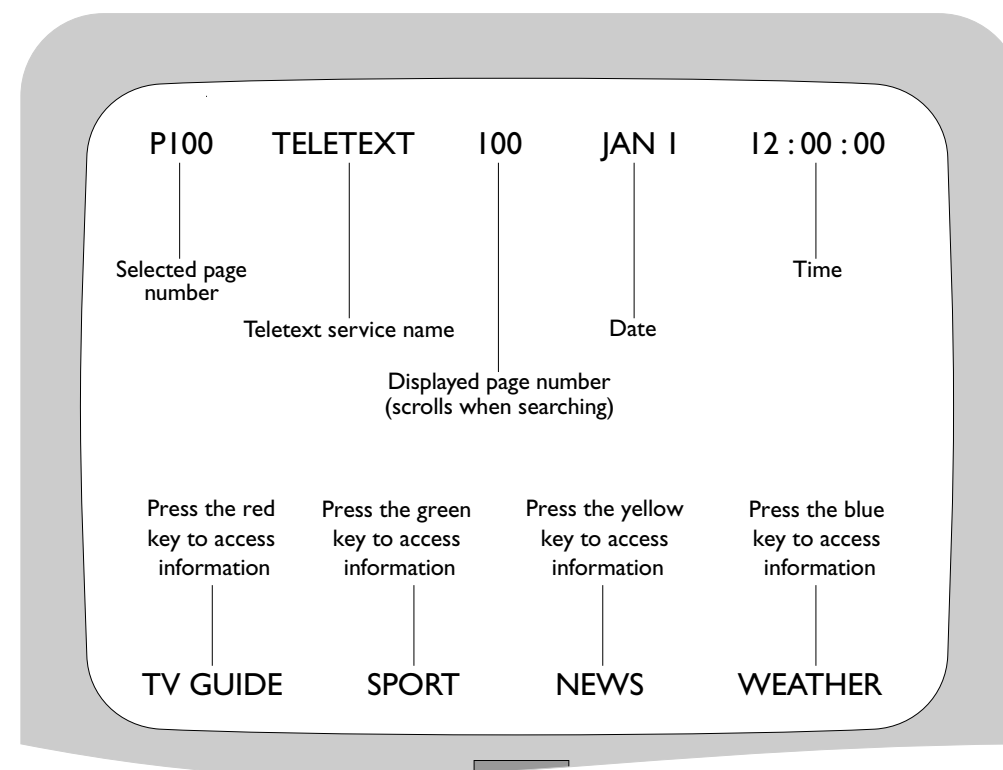
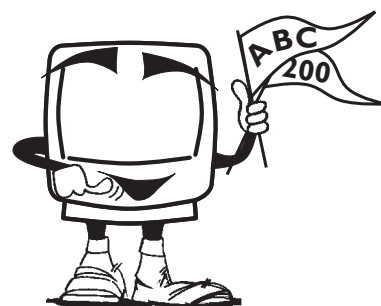
To view Teletext press **TEXT/MIX/TV**.

1st pressText only
2nd pressText and TV picture
3rd pressTV picture



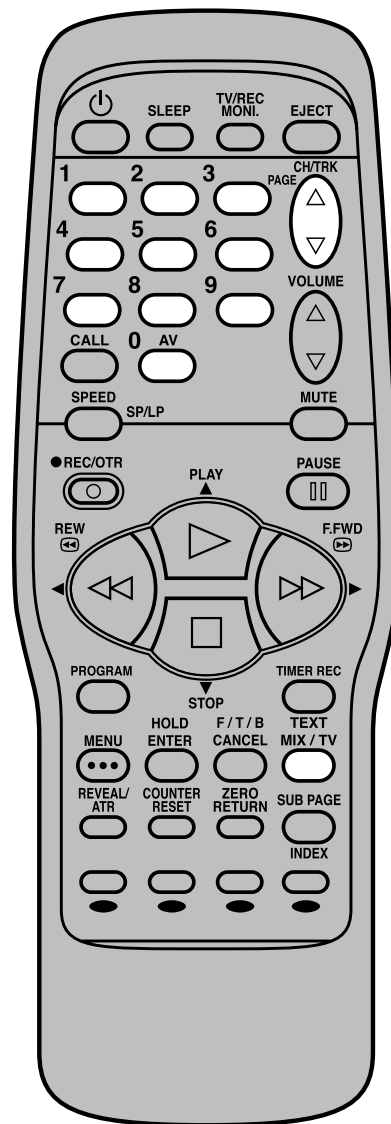
Select text, text and TV or TV

2
An index page will be displayed. The top and bottom lines of the page may look like this example:



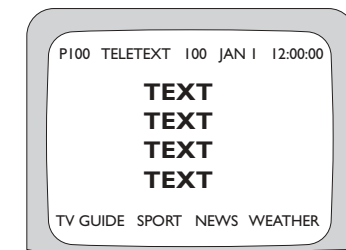
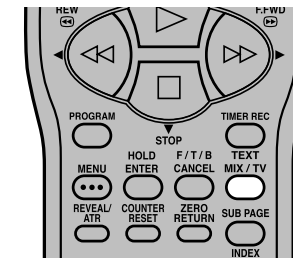
Teletext feature

In order to use Teletext the control codes must be transmitted by the broadcasting authorities - its operation is therefore dependent on these codes being transmitted.



1 Select the TV channel for the desired Teletext service.
To view Teletext press **TEXT/MIX/TV**.

1st pressText only
2nd pressText and TV picture
3rd pressTV picture

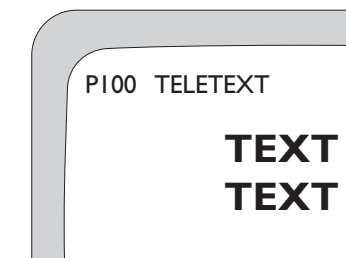
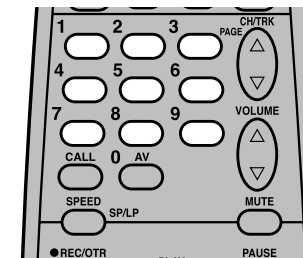


Select text

2 All Teletext pages are three digit numbers e.g. to select page 100, press **1**, then **0**, then **0**.

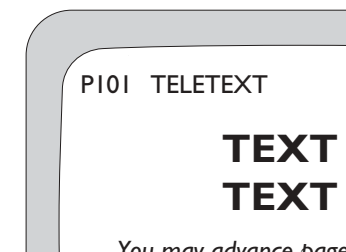
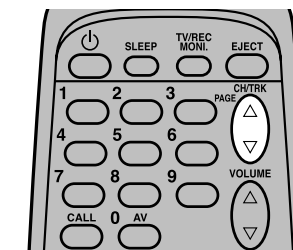


If you accidentally press a wrong button, complete the sequence with any three numbers, then re-enter the correct number.



Select the page you wish to view

Press **PAGE up** (▲) or **down** (▼) to advance pages sequentially up or down.

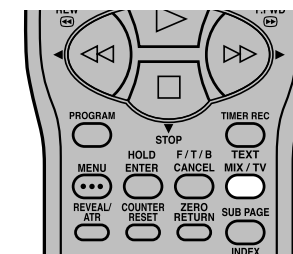


You may advance pages sequentially up or down

3 To switch from one Teletext service to another press **TEXT/MIX/TV** until TV picture is displayed.

Select another TV channel.

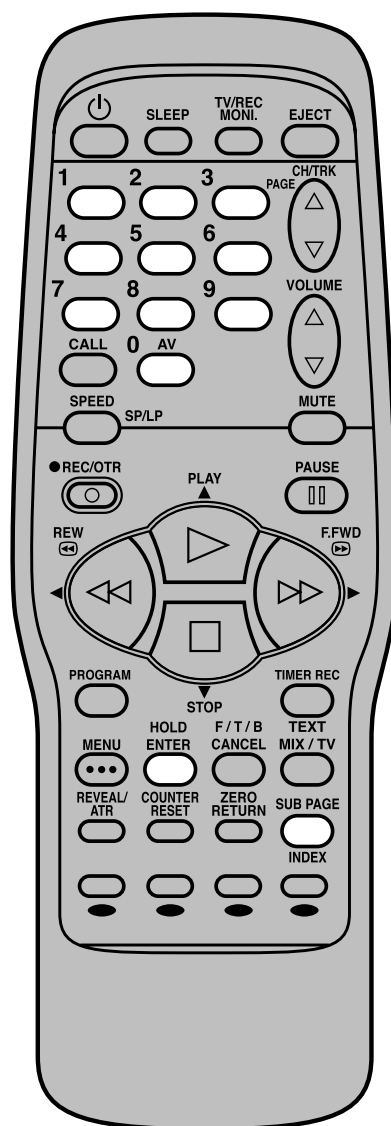
Press **TEXT/MIX/TV** to revert to Teletext.



Select another TV channel to view another Teletext service

Teletext feature

Some Teletext pages contain too much information to be displayed on a single page, when this occurs sub-pages are transmitted. Sub-pages are identified by an additional numbering sequence, e.g. 1/3, where the first number indicates the sub-page number and the second indicates the number of available sub-pages.



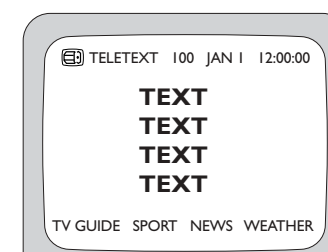
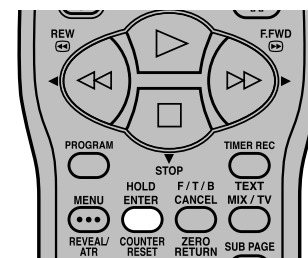
Press **HOLD** to freeze a page.

The hold symbol will appear in the top left corner of the screen.

Press **HOLD** a second time to release page.



Pages and sub-pages are transmitted in sequence with an adequate pause for reading each page. You may freeze a page which is of particular interest and hold it on screen. Information **can not** be updated when page/sub-page is held using **HOLD**.

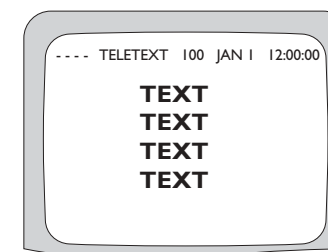
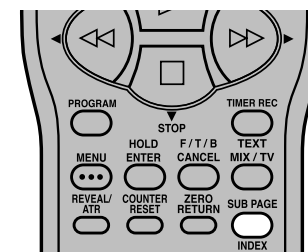


You may hold and view a selected page.
(information **can not** be updated)

Press **SUB PAGE** to view a sub-page.



4 dashes will appear; if you do not enter any numbers they may only be removed by pressing **SUB PAGE**.

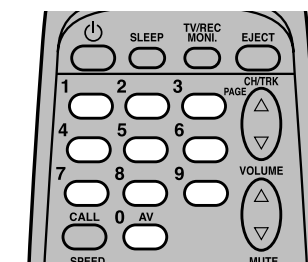


The display will show 4 hyphens.
Select your desired sub-page

Select the desired sub-page number, e.g. sub page number 2 press **0 0 0 2** by pressing the direct channel entry buttons.

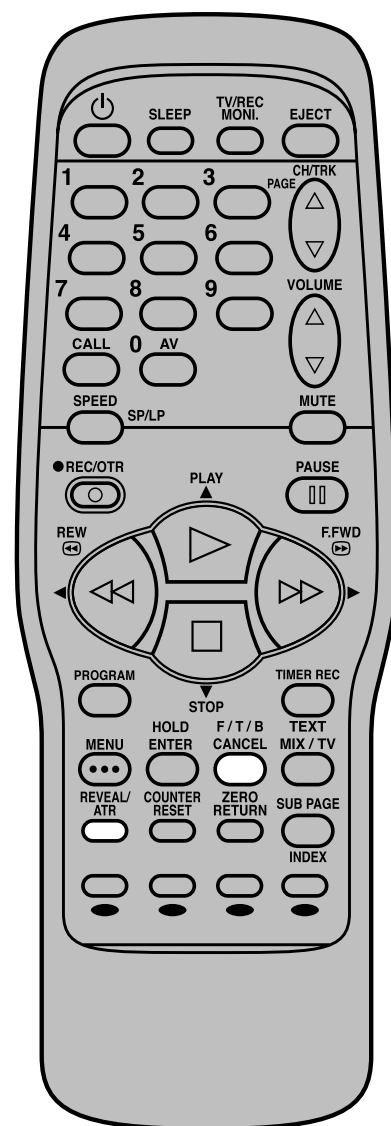


It is essential to enter four numbers. Using **SUB PAGE** you may view and hold a page or sub-page; as information is received from the transmitter the screen will be updated, e.g. a page of share prices.



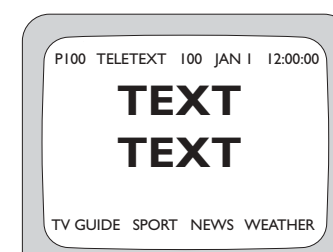
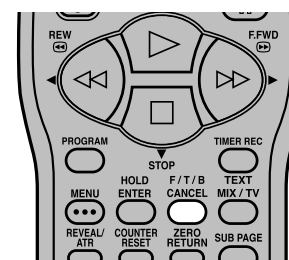
Teletext feature

In order to use Teletext the control codes must be transmitted by the broadcasting authorities - its operation is therefore dependent on these codes being transmitted.



Press **F/T/B** to increase the size of the characters on screen.

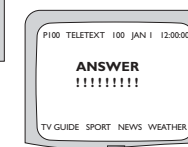
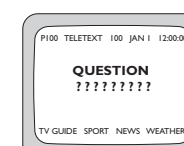
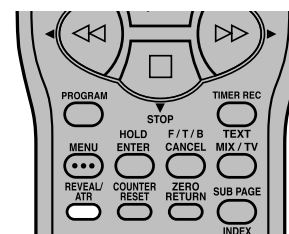
1st pressView the top of the page
2nd pressView the bottom of the page
3rd pressReturn to full view of full page (text normal size)



You may increase the size of the characters on screen

Press **REVEAL** to display hidden text.

Some pages contain hidden text, e.g. a quiz page with concealed answers.



Display Teletext items which contain concealed answers



Basic video operation

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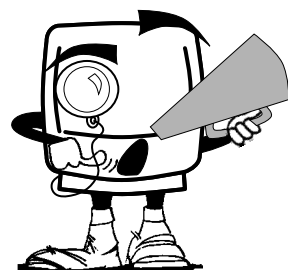
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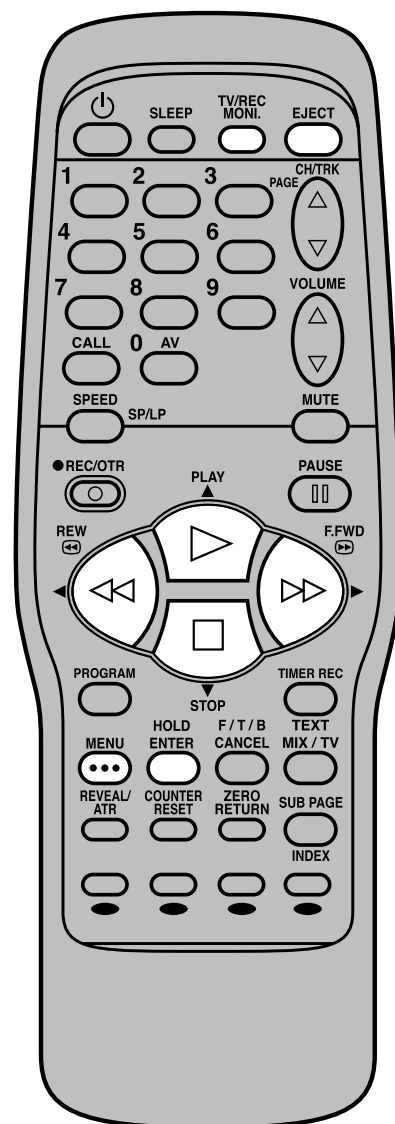
Video operation...

How to play a video cassette

Only use VHS video cassette tapes.



Your TV/VCR can playback video tapes recorded in the NTSC Colour System (TV system usually used in America and Japan) on a PAL TV set (TV system used in the United Kingdom) if it has PAL 60 Hz compatibility. To play an NTSC tape, just press PLAY as normal. Your VCR will playback video tapes recorded using NTSC Standard play, Long play (LP) and Extended play (EP). However there will be a deterioration in **sound quality** in the **Long play** and **Extended play** modes.



Make sure your TV/VCR is properly installed and switched on.

Insert a pre-recorded cassette.

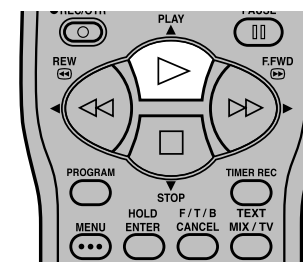
When you insert a video cassette with the record protection tab removed (for example a pre-recorded cassette from a video hire shop) playback will start straight away.

Press **PLAY**.



The tape will start playing and the play symbol will appear on the TV/VCR screen.

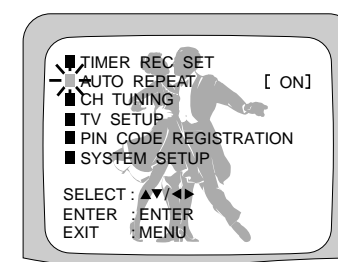
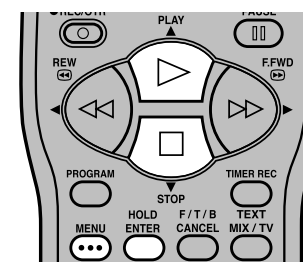
If you wish to view the TV station you were watching before you started playing a tape press **TV/REC MONI**. To return to viewing your tape press **TV/REC MONI** again.



If you wish your TV/VCR to rewind to the beginning of a tape once it has finished playing and start to play again.

Press **MENU** to select the main menu. Press **PLAY** or **STOP** until the square next to "AUTO REPEAT" starts to flash.

Press **ENTER** to select "ON" or "OFF". Press **MENU** to clear the screen.



If you do not press **STOP** the tape will continue until it reaches the end.
The **auto rewind** facility will automatically rewind the tape to the beginning.
Your TV/VCR will then automatically eject the cassette.

How to play a video cassette

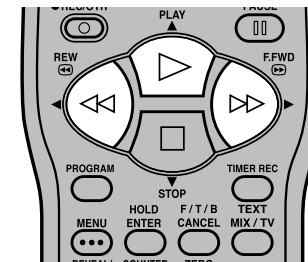
To visually rewind or fast forward the tape (picture search) the tape must be playing; press either **REW** or **F.FWD** during playback.

The speed of the search time depends on the speed used during recording, either Standard play (**SP**) or Long play (**LP**).

1st press 5 times normal speed (NTSC 3 times)
2nd press 7 times normal speed (NTSC 5 times)

1st press 7 times normal speed
2nd press 13 times normal speed

Return to normal playback by pressing **PLAY**.

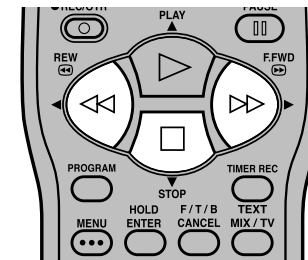


The sound is muted during **picture search**. During **picture search** you may see white lines across the screen or a distorted picture. This is quite normal and does not mean there is anything wrong with the tape or your TV/VCR.

To rapid rewind or fast forward the tape, press **STOP**; then press either **REW** or **F.FWD**.



If you wish to see the tape programme during rewind or forward mode, press and hold **REW** or **F.FWD**. The backward or the forward visual search picture will be seen on the screen. Release it to return to the rewind or forward mode.



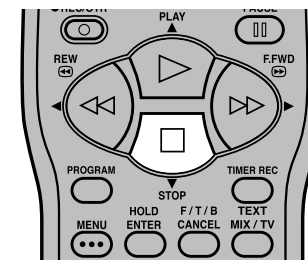
You will not be able to view the contents of the cassette during rapid **rew** or **f.fwd**

Press **STOP** to stop playing your video cassette.



The tape will **stop** and the TV channel you viewed via your TV/VCR before you started to play your video cassette will be displayed on the TV.

Press **EJECT** on the front of your TV/VCR or on the remote control and your tape will be ejected.



Tape will **stop** and TV will revert to displaying a TV channel

The next page will explain some more useful features of your TV/VCR's operation.

VCR features

Your TV/VCR is equipped with useful features to enhance your viewing.

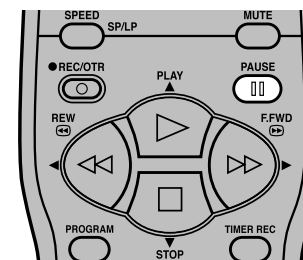
When playing a tape, press **PAUSE** to view a still picture.

The still picture will advance by one frame each time you press the button.



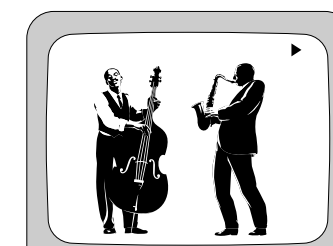
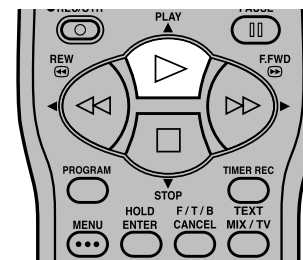
*The sound is muted during **pause**.*

Pause is automatically changed to **play** after being held for 5 minutes to prevent damaging the tape.

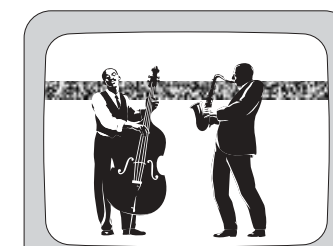


*The picture may have white lines across it when **paused***

Press **PLAY** to resume playback.



When a tape is played, the digital auto tracking system automatically adjusts the tracking to obtain the best possible picture.

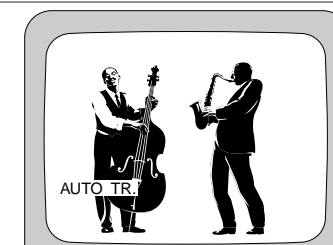
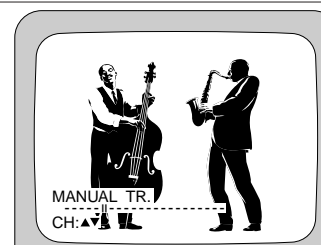


The presence of white lines on the screen is an indication of poor tracking

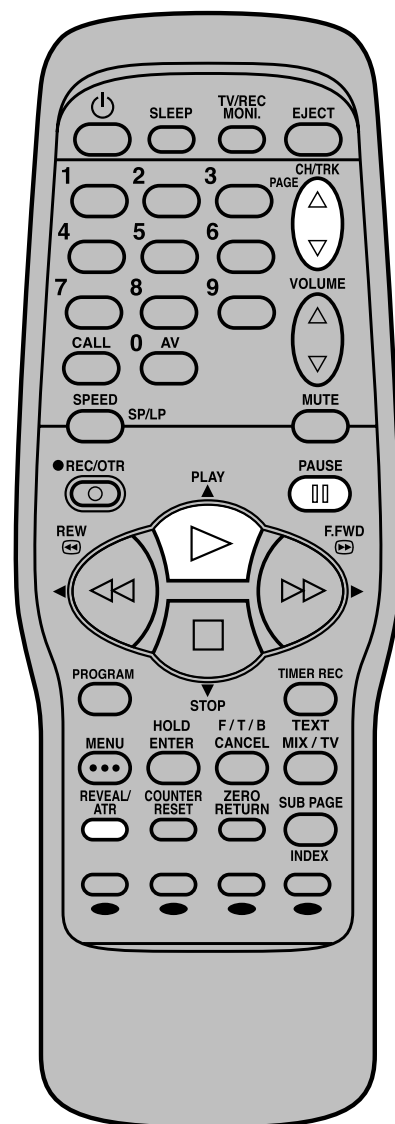
If white lines appear during playback or the picture starts to shake you may adjust the tracking manually.

Press the **CH/TRK** ▲ or ▼ buttons to obtain the best possible picture.

To resume automatic tracking, press the **ATR** button on the remote control.

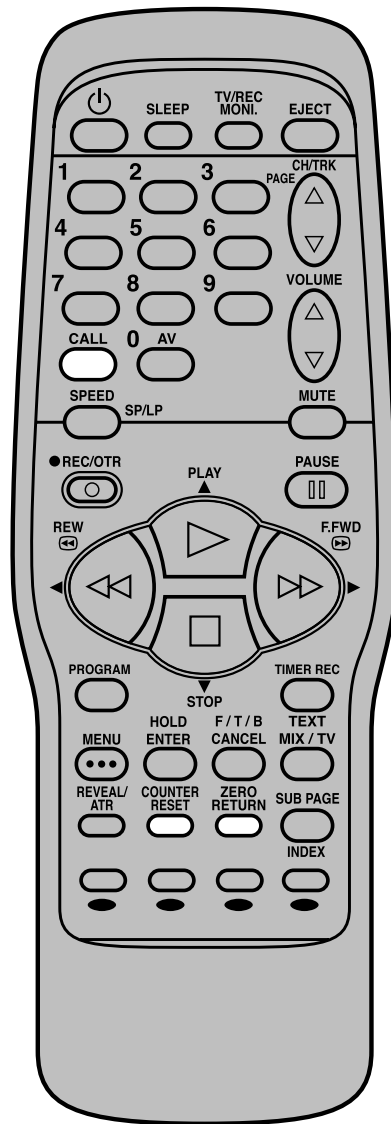


The auto tracking indicator will appear on screen then disappear after 5 seconds



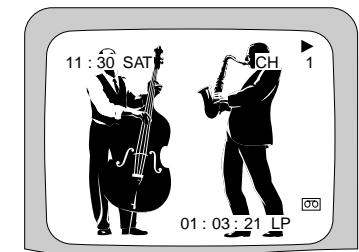
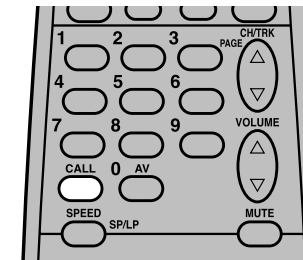
Counter and Zero return

Your TV/VCR has a counter which can display the actual amount of time (in hours, minutes and seconds) a tape has been played. The Zero return feature allows you to set the counter to 00:00:00 at any point in the tape and then rewind and start playing from that point when you press the **ZERO RETURN** button.



While playing a tape press **CALL** to display the counter.

The **counter** displays how much time (in hours, minutes and seconds) has elapsed since the point at which you started playing a tape. The counter advances one second at a time.

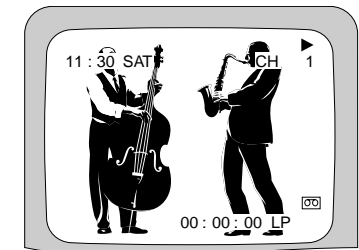
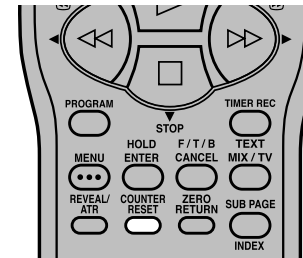


The counter advances one second at a time

Press **COUNTER RESET** to reset the counter to 00:00:00



When you load a tape, the counter will reset. If you rewind the tape from 00:00:00 a minus sign - will be displayed in front of the counter.

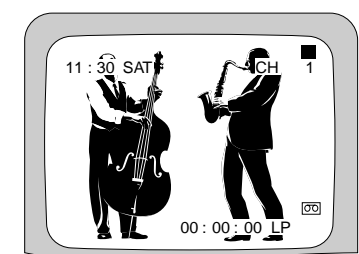
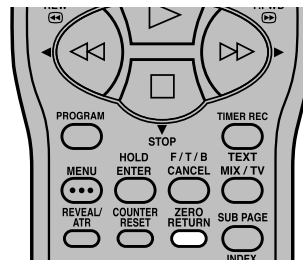


Reset the counter

When the VCR is not playing press **ZERO RETURN**, the tape will rewind until the counter reaches 00:00:00 automatically.

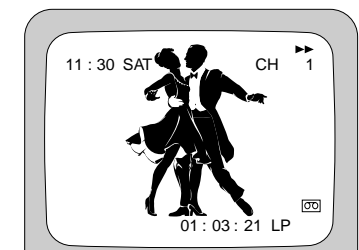


This feature is useful for returning to a point in a tape you wish to view again.



The tape will stop at 00:00:00 of the counter

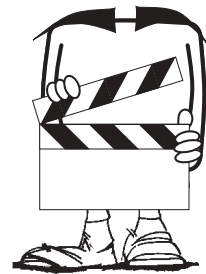
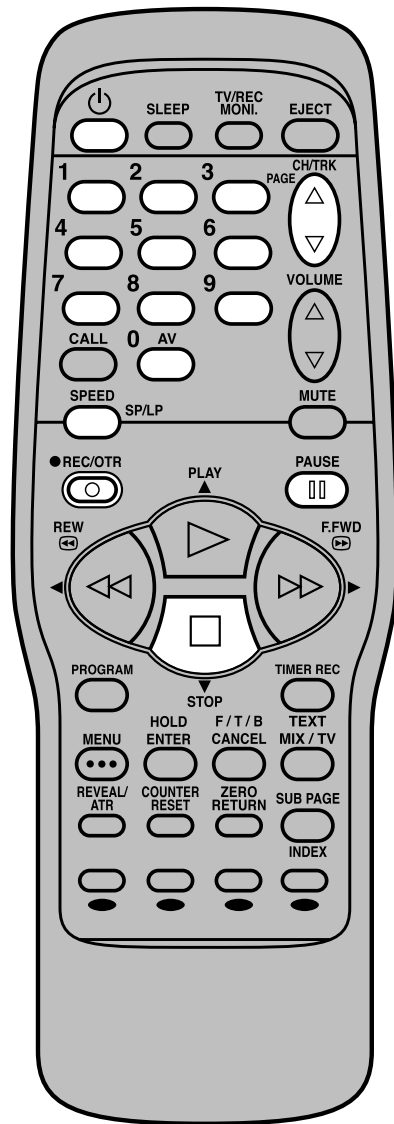
When you **rewind**, **fast forward** or **play** through blank sections of tape, the counter will stop counting.




The counter will stop when blank sections of tape are detected

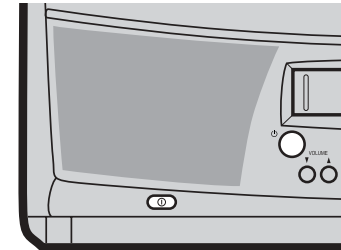
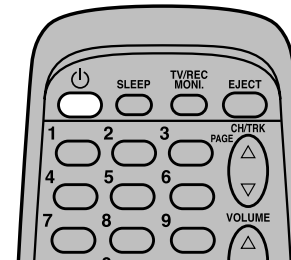
How to record and view the same TV programme


The one touch recording feature provides a simple and convenient way to make **instant** and **timed** recordings.



Make sure that your TV/VCR is properly installed.

Press the **MAIN POWER** switch on the front of your TV/VCR.
Then press the  button on the front of the TV/VCR or on the remote control

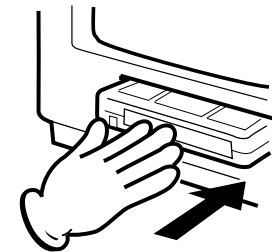




Switch on your TV then press  on the set or on the remote control

Insert a blank tape.

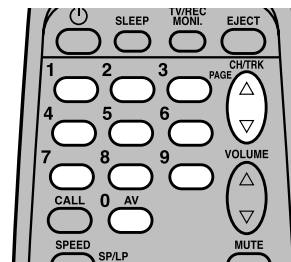


If the erase protection tab has been removed from the tape, you will not be able to make a recording.



Press the **numbered** buttons or **CH/TRK up** () or **down** () on the remote control to select the channel to be recorded.

When selecting channels, press the numbered buttons. For example, for **channel 3** press **3**, for **channel 25** press **2** then **5**.



Select the channel to be recorded

How to record and view the same TV programme



If the erase protection tab has been removed, the tape will eject when the **REC/OTR** button is pressed.



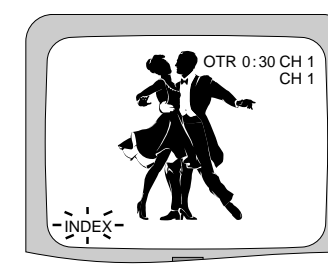
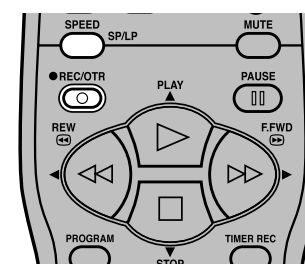
When the tape speed LP is selected, the recording time can be set up to 10 hours.



Pause will operate during continuous recording only. **Pause** will be released after 5 minutes and continuous recording will **stop** to prevent damage to the tape or the video head.

Press **SPEED** to select either standard play (SP) or long play (LP).

Press **REC/OTR** for continuous recording. Additional presses of the **REC/OTR** button will allow you to record in timed intervals (displayed on the screen), up to a maximum of 5 hours, at the end of which your TV/VCR will stop recording.



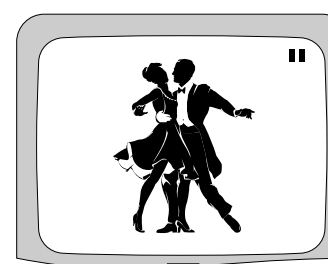
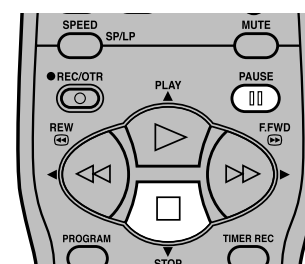
Start recording

- 1st press continuous recording
- 2nd press 30 minutes
- 3rd press 1 hour
- 4th press 1 hour 30 minutes
- 5th press 2 hours
- 6th press 3 hours
- 7th press 4 hours
- 8th press 5 hours

Press **PAUSE** to avoid recording unwanted material. REC/OTR indicator will flash in the pause mode.

Press **PAUSE** again to continue recording.

Press **STOP** to end recording.

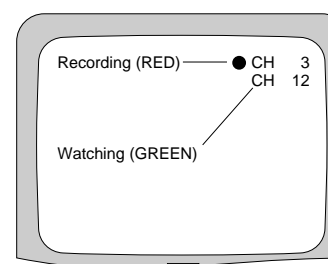
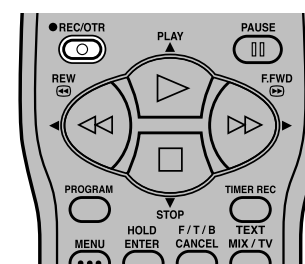


Pause the tape to avoid recording unwanted material

RECORDING ONE PROGRAMME WHILE WATCHING ANOTHER

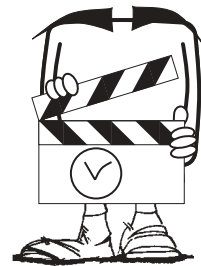
While the TV/VCR is recording the one programme, another programme can be seen on this unit.

Once you have started recording, you can select another channel to watch by pressing one of the numbered channel buttons. This will not affect the recording.



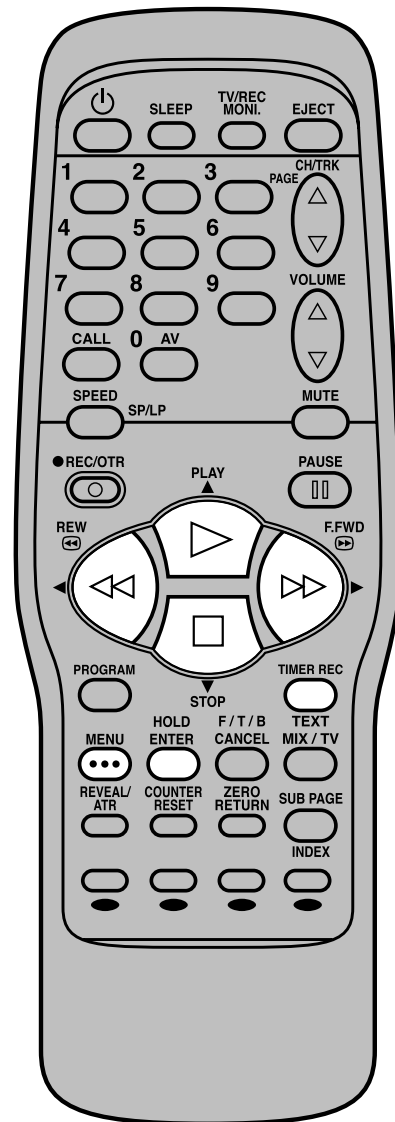
Timer recordings

Timer recordings allow you to programme your TV/VCR so that it will record at preset times. The built-in timer allows unattended recording of up to 8 programmes within 1 month.



Make sure that your TV/VCR is properly installed and that you have successfully tuned in all your required TV stations and given them channel numbers.

e.g. *BBC1 - CH 1*
BBC2 - CH 2
ITV - CH 3
Channel 4 - CH 4
Channel 5 - CH 5
(if you are in a channel 5 reception area)
Satellite - CH 6
SCART socket - CH AV



Insert a blank tape.



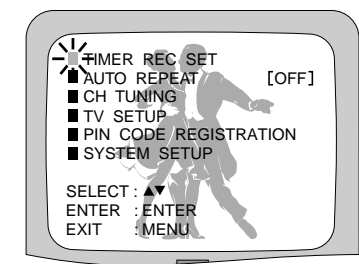
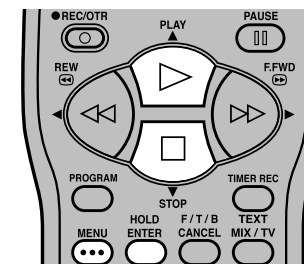
If the erase protection tab has been removed from the tape, you will not be able to make a recording. Make sure that the clock is showing the correct present time.

Press **MENU** until the main menu appears on your TV screen.

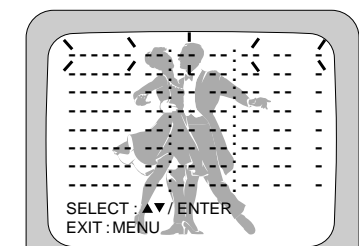
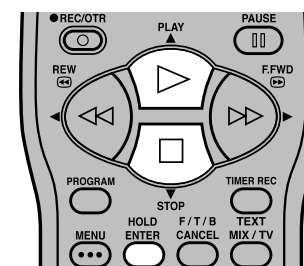
Press **PLAY** or **STOP** to select the **Timer rec set** menu.

Press **ENTER** to select the **timer** screen.

Select the next available timer position (blank dotted line) by pressing **PLAY** or **STOP** then press **ENTER**.



Select the timer screen



Select a recording position

You will not be able to select the TIMER REC SET menu until the clock has been set.

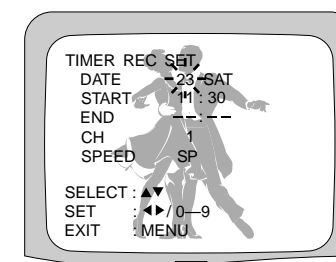
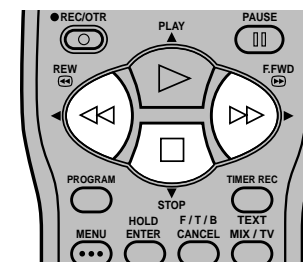
Timer recordings

If you make a mistake during the setting procedure press **PLAY** or **STOP** to select the information you want to change and then press **REW** or **F.FWD** to change it.



Your TV/VCR's timer record feature includes a number of weekly settings. eg. instead of setting a specific date you can set the VCR to record MON-FRI at the same time every day - This can be useful if you have a favourite programme at a regular time.

Press **REW** or **F.FWD** to select the desired day or every day or every week setting. Confirm setting by pressing **STOP**.



Select the date

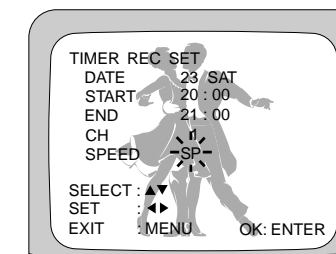


Please note your TV/VCR uses a 24 hour clock.

Set the desired start hour and minutes, end hour and minutes, channel and tape speed as in step 4.



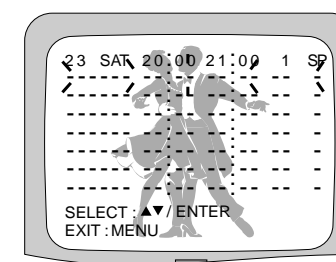
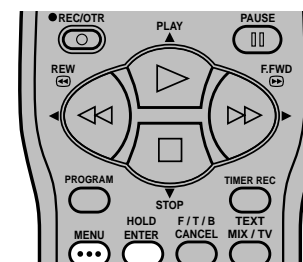
If you have a satellite connected via the Scart socket, and wish to record from it, select channel **AV** in setting the channel.



Select your settings

When you have finished setting all your recordings press **ENTER**.

Press **MENU** to clear the menu screen.



Store your programme



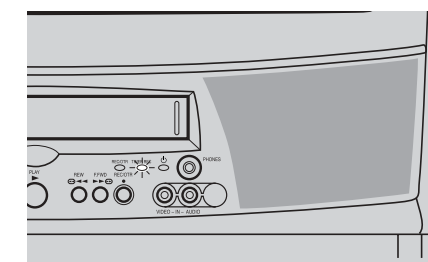
Your TV can be switched on or in standby during recording.

If you wish to make more than one recording repeat steps 3 - 5. You may set up to 8 programmes in the same way.

Press **TIMER REC** to store your selection. The **TIMER REC** indicator will light. After completing all timer record programmes your VCR will switch itself off.



You will not be able to set further timer recordings after you have pressed **TIMER REC**. To set further timer recordings press **TIMER REC** (the indicator light will go out); make your selection; press **TIMER REC** (the indicator will light).

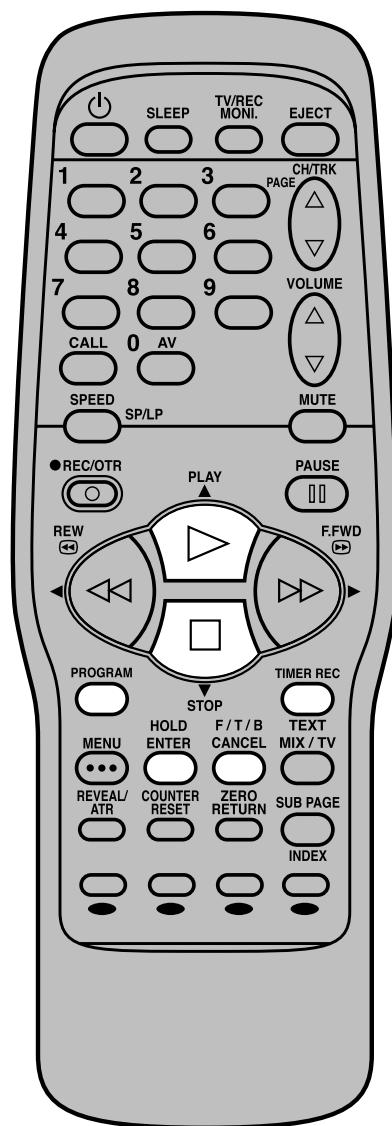


Store your selection

If any timer record stage is not completed within 1 minute you will have to start again.

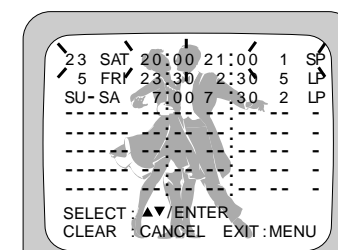
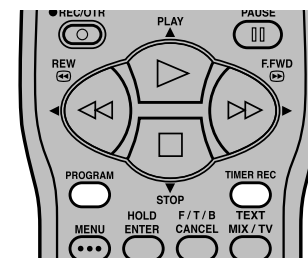
Checking and cancelling timer programmes

You can easily check the details and cancel or make corrections for timer programmes.



If the timer rec has been activated, now press **TIMER REC** to deactivate the timer. The **TIMER REC** indicator will disappear.

Press **PROGRAM** twice, the **timer program** screen will be displayed. All timer programme details will be displayed.

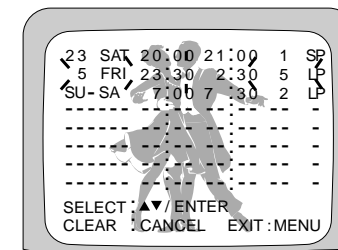
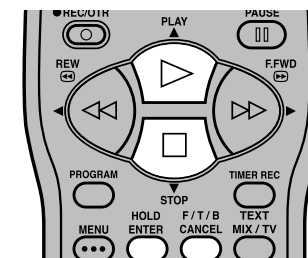


By pressing **PROGRAM** the timer programmes will be displayed

If you want to *cancel* or *alter* an existing timer programme, press **PLAY** or **STOP** to select the programme.

Press **CANCEL**. The pre-set programme will be cancelled.
OR

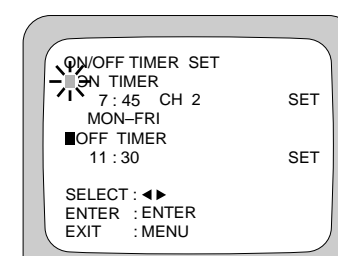
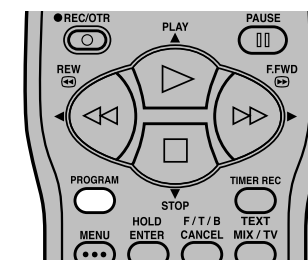
Press **ENTER**. You may then adjust the contents of the selected timer programme.



Press **CANCEL** to cancel a setting or **ENTER** to alter an existing one

Press **PROGRAM** again, the TV **on/off timer set** screen will be displayed.

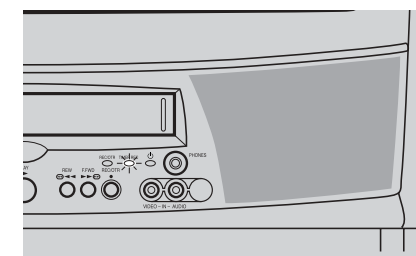
If you wish to alter the programmed **on/off timer set**, select the **on timer** or **off timer** then adjust the contents as described on pages 18-19.



Press **PROGRAM** three times to display the on/off timer programmes

After checking timer details press **PROGRAM** to clear the screen.

If there are other timer record programmes remaining the **TIMER REC** button must be pressed to reactivate them. The **TIMER REC** indicator will light. If you do not reset the timer rec facility the remaining timer record programmes will be ignored and the recording will not take place.

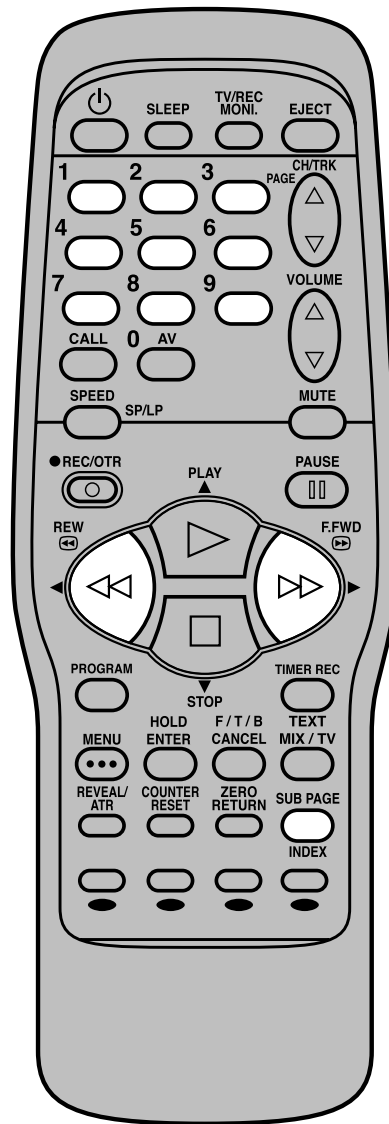
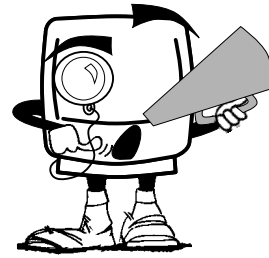


Press **TIMER REC** to reset the timer

Your recordings will only work when timer record is switched ON.

Video index search system

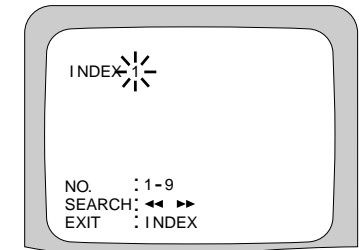
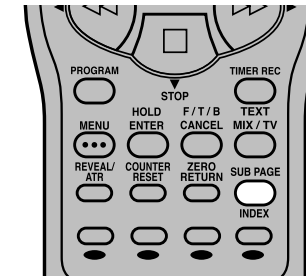
The **video index search system** enables you to locate the beginning of any recording made on your TV/VCR. Your TV/VCR automatically records index marks on the tape whenever a recording is started.



To search for an index mark; or skip over a number of index marks: Press **INDEX** during stop or playback.

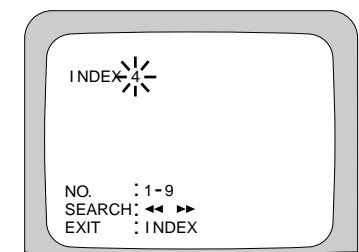
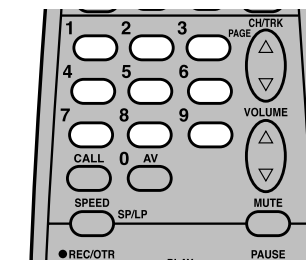


When you record an index mark at the very beginning of a tape, the mark may not be found.
During an index search, the tape may stop and begin to play at a slightly different location.



Press **index**

Select the number of index marks to be skipped by using the **numbered** buttons (1-9).

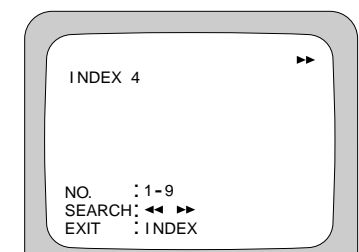
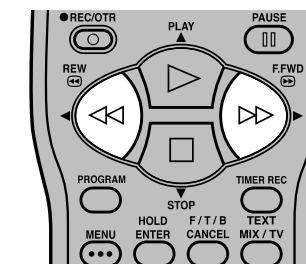


Select the number of index marks to be skipped

Press **F.FWD** or **REW**.
Your VCR will skip over the selected number of index marks and will start playback at the selected mark.



Please note the tape speed will **NOT** be as fast as normal rewind or fast forward speeds because your TV/VCR has to look for the index marks on the video tape.

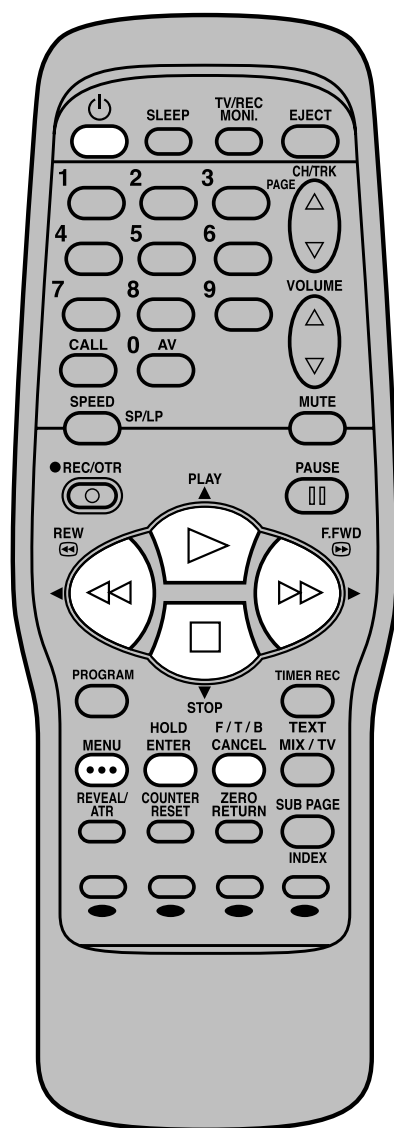


Your TV/VCR will attempt to playback from your selected index mark

Your TV/VCR may not be able to find index marks on old or worn out video tapes.

Setting the security protection

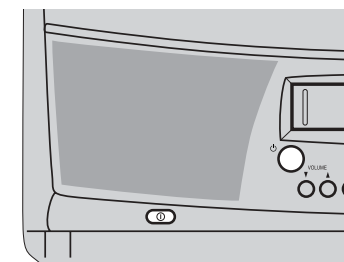
In an effort to fight crime, we have equipped your TV/VCR with security protection. When activated your TV/VCR is protected against unauthorised use. **You cannot operate the unit if you forget the PIN code. Please ensure that you keep a record of the PIN code in a safe place, in case you forget it.**



Make sure that your TV/VCR is properly installed.

Press the **MAIN POWER** switch on the front of your TV/VCR to the **on** position.

Press the **⏻** button on the front of your TV/VCR or the remote control.

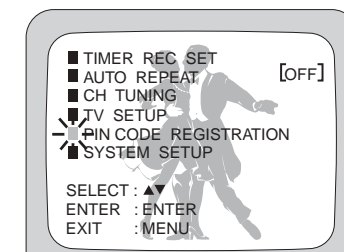
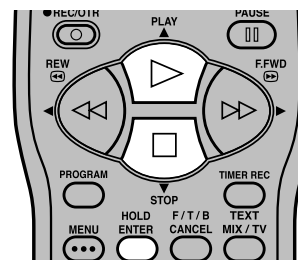


Switch on your TV then press **⏻** on the set or on the remote control

Press **MENU** until the main menu appears on your TV screen.

Press **PLAY** or **STOP** to select the "PIN CODE REGISTRATION" menu.

Press **ENTER** to display the **pin code registration** screen.

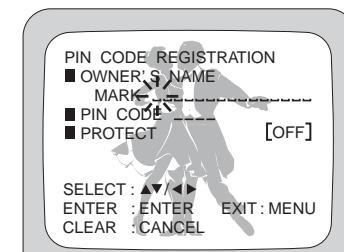
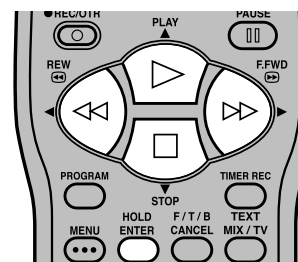


The user registration screen will appear

Press **PLAY** or **STOP** to select the "OWNER'S NAME".


Then press **ENTER**.

Press **PLAY** or **STOP** until the desired letter is displayed.



Register your name

Each press of **PLAY** or **STOP** changes the letter as follows;



A
...
Z
0
...

(space)
-
+
/
.
9

Store the letter by pressing **REW** or **F.FWD**.
You can enter up to 20 letters.

Press **ENTER** to register your name.

If you make a mistake in registering the owner's name and PIN code press CANCEL.

If the unit needs to be serviced, make sure that the security protect function is OFF, otherwise you will be charged for resetting this feature.

Setting the security protection

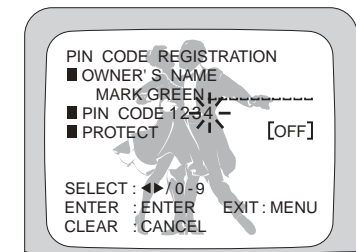
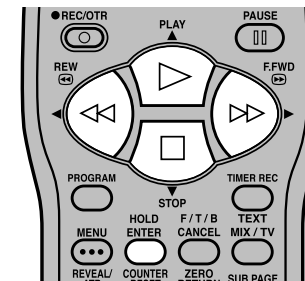


Write down your PIN code number on the card provided and keep it in a safe place.

Please note: In the event of losing your PIN code you will be charged by Mastercare to reset your TV/VCR.

Press **PLAY** or **STOP** to select the "PIN CODE".
Then press **ENTER**.
Press **REW** or **F.FWD** or **numbered** buttons (0-9) to enter the PIN code. (4 digits)
Your PIN code can be a combination of any 4 numbers.

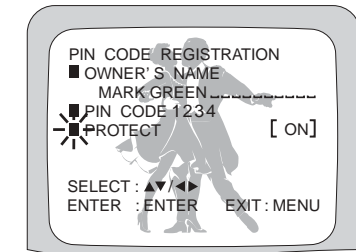
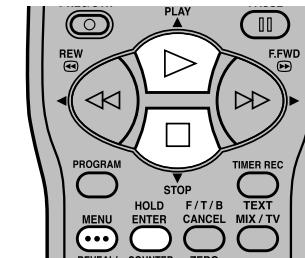
Press **ENTER** to register the PIN code.



Register the PIN code

Press **PLAY** or **STOP** to select the "PROTECT"
"ON" or "OFF".
Then press **ENTER**.
The security protect function will be activated.

Press **MENU** to clear the display.



Select protect "ON"



To cancel the security protect function select protect "OFF".



The PIN code screen will only appear on the screen when the power failure lasts for more than 30 minutes (approximate).

If you turn off the **MAIN POWER** switch on the front of the unit or unplug it from the mains supply for more than 30 minutes, the **PIN code** screen will appear on the screen when you next turn on the unit.

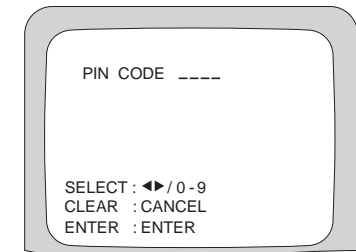
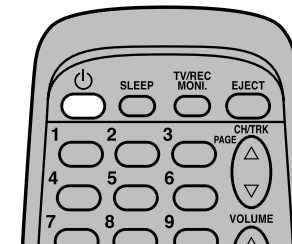
Enter your PIN code using the **numbered** buttons on the remote control. Then press **ENTER**.

If you enter the correct PIN code, "**PIN CODE OK**" will be displayed on the screen. You can operate the unit.

If you enter the wrong PIN code, "**PIN CODE ERROR**" will be displayed on the screen, and you can try again.



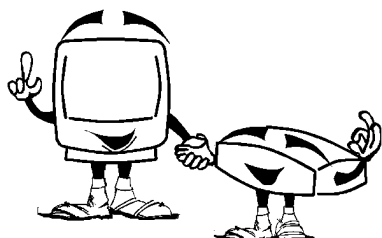
If you enter the wrong PIN code more than 3 times, the unit will be locked and you cannot operate. To unlock the unit you must disconnect the mains supply and wait for more than 30 minutes. Reconnecting the mains supply after this time will allow you to enter the PIN code again.



Enter your PIN code

How to connect your TV/VCR to another VCR or a video camera

If you connect your **TV/VCR** to another VCR or a video camera, it is possible to duplicate a pre-recorded tape. Please note that the picture quality will not be as good as that on the original tape. **Make sure all appliances are unplugged from the mains supply and switched off before you attempt to connect the relevant connection cables.**



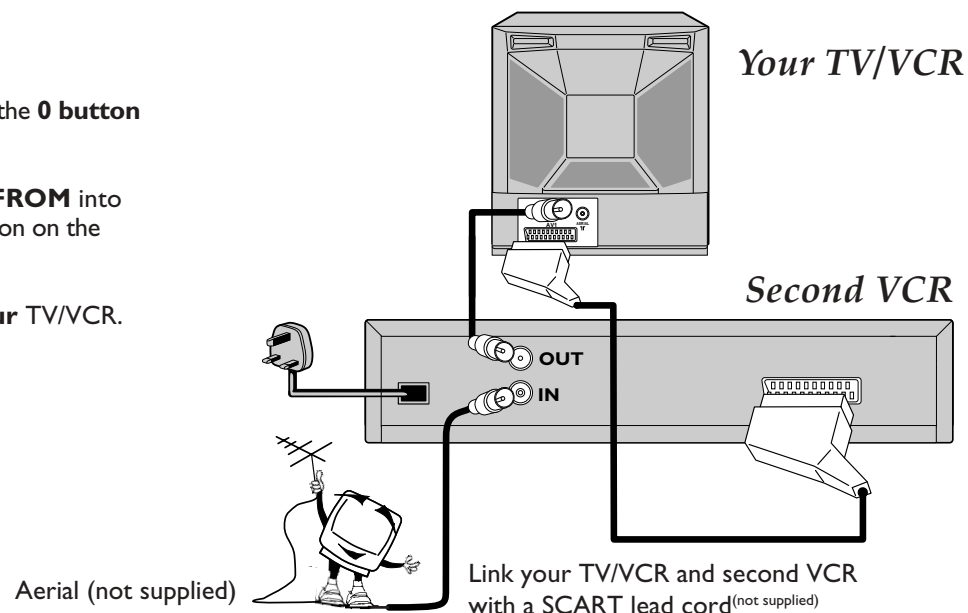
Insert the tape you wish to record **ON** into your **TV/VCR**.

Select the **AV1** channel by pressing the **0** button on your remote control.

Insert the tape you wish to record **FROM** into the second VCR. Press the **play** button on the second VCR.

Press the **REC/OTR** button on **your** TV/VCR.

Recording will start.



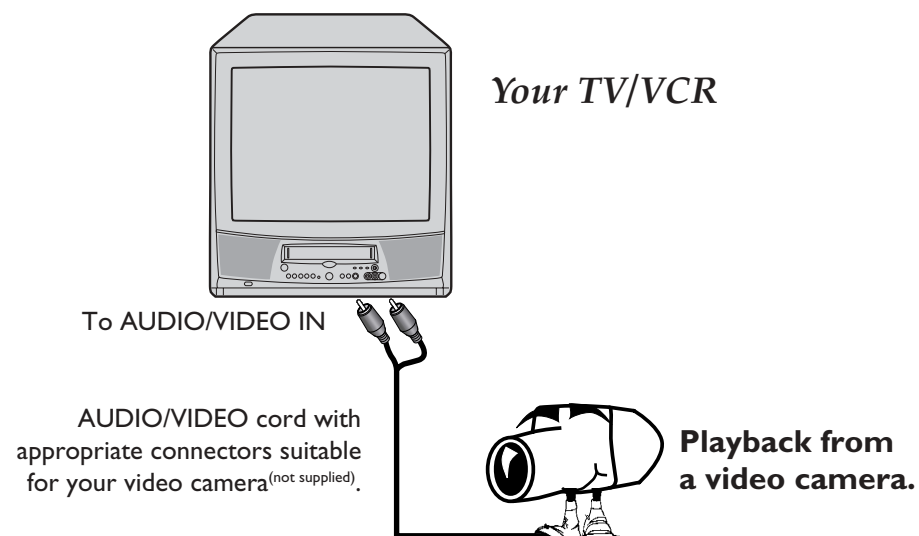
Insert the tape you wish to record **ON** into your **TV/VCR**.

Select the **AV2** channel by pressing the **0** button on your remote control.

Insert the tape you wish to record **FROM** into the video camera.

Press the **REC/OTR** button on **your** TV/VCR.

Press the play button on the video camera; playback and recording will start.



SCART socket information

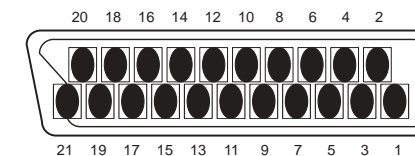
If your TV/VCR is connected to a Satellite system using a full facility SCART lead it will automatically be displayed when your Satellite system is switched on. When using a SCART lead the Satellite station should automatically be displayed without you having to select the AV channel.



If your Satellite system is not displayed when you switch it on you must select the channel AVI by repeatedly pressing **CH/TRK up (▲)** or **down (▼)** or pressing **0 button**.

However if your Satellite system is constantly displayed and no matter what button you press you cannot view another channel you need to purchase an additional lead which will allow you to manually switch the signal on and off. . .

21 Pin SCART terminal



- | | | |
|------------------------------|---------------------|---------------------------|
| 1. Audio output (right) | 9. Green earth | 17. Video earth |
| 2. Audio input (right) | 10. Date line 2 | 18. Blanking signal earth |
| 3. Audio output (left) | 11. Green In | 19. Video output |
| 4. Audio earth | 12. Date line 1 | 20. Video input |
| 5. Blue earth | 13. Red earth | 21. Shield/earth |
| 6. Audio input (left) | 14. Reserved | |
| 7. Blue In | 15. Red In | |
| 8. Switching voltage (input) | 16. Blanking signal | |



Only use VHS video cassettes.

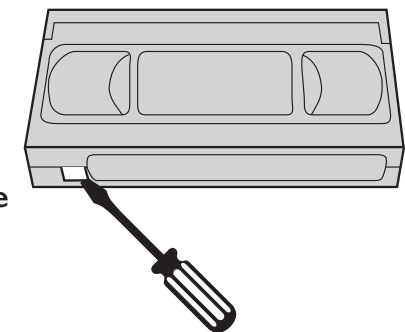
When you insert a video cassette with the record protection tab removed (for example a pre-recorded tape from a video hire shop) playback will start straight away.

Video Head Cleaning

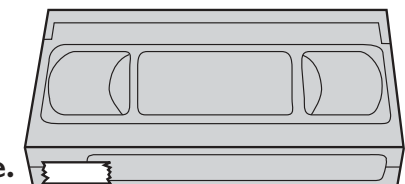
The video heads are the means by which the TV/VCR reads pictures from the tape during playback. In the unlikely event that they become dirty enough to be clogged, no picture will be played back. This can easily be determined if during playback of a known good tape, there is good sound but no picture (picture is extremely snowy). Manual cleaning may be necessary in some cases. If this is the case, have the TV/VCR checked and cleaned by qualified service personnel. Head cleaning cassettes are not recommended because they can be abrasive to your video heads.



To prevent accidental erasure of a special recording, break off the tab with a screwdriver.



To record again cover hole with adhesive tape.



To help prevent video head clogging, use only good quality VHS tapes. Discard worn out tapes.

Before requesting service please check the following points

SYMPTOM	CAUSE	SOLUTION
No standby light or power.	Is your TV/VCR plugged in?	Check fuses and plug into an AC outlet.
	Have you pressed the power switch on the FRONT of your unit to ON?	Switch on main power at wall and all switches on your unit.
Recorder does not work even when standby light is on.	T.REC indicator is lit.	Set Timer Rec to off.
	Moisture condensation has formed inside your TV/ VCR.	Press the Main Power switch on the front of your unit and wait a few hours.
No picture, no sound.	Your TV/VCR is unplugged.	Check fuses and plug into an AC outlet.
	Aerial connection cable is broken or not connected.	Check aerial connections and replace broken cables.
	Have you pressed the power switch on the FRONT of your unit to ON?	Switch on main power at wall and all switches on your unit.
	Possibly station trouble.	Try another channel or move aerial away from source of interference.
Picture ok, poor sound.	Volume control set at minimum position or Mute button has been pressed.	Increase the volume.
Poor reception; poor colour or no colour.	Aerial connection cable is broken or not connected.	Check aerial connections and replace any broken cables.
	Possibly station trouble.	Try another channel or move aerial away from source of interference.
	Colour control is not adjusted.	Adjust colour (see page 17).

Please note: If a Mastercare engineer is requested to inspect this TV/VCR and if the product is found not to be faulty, or the instruction book has not been followed, our product guarantee is not applicable and a fee will be charged.

0870 600 1338

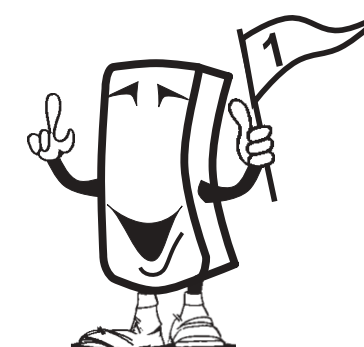
All calls are charged at National Rate

We hope you enjoy your new Ferguson FTC2120T. To help you get the most from your new TVR, we recommend Partmaster Direct for accessories and spares

Partmaster Direct's range includes :

SCART Leads, Remote Controls, Mains Leads, Mains Adaptors and much much more available for delivery direct to your door.

**Partmaster
Direct**



Before requesting service please check the following points

SYMPTOM	CAUSE	SOLUTION
Recording does not work.	<i>No tape in your recorder or protection tab has been removed from video cassette.</i>	Insert video tape. Place adhesive tape over record protection gap.
	<i>TV/VCR is switched off.</i>	Switch on main power at wall and both power on switches on your unit.
Timer recording does not work.	<i>Clock is not set properly or there has been a power failure.</i>	Set current time and date.
	<i>Start and end times not set correctly or TIMER REC has not been pressed.</i>	Check the start and end times, look to see if the TIMER REC light is lit (see page 33).
No Teletext or strange characters and letters on screen.	<i>Aerial connection is poor or possibly station trouble.</i>	Check aerial connection for broken wires or try another channel.
Remote control does not work.	<i>It is not pointing towards the remote control sensor on your TV/VCR.</i>	Aim remote control at your unit.
	<i>You are trying to operate your unit from too far away or there is very bright direct sunlight in room falling onto TV/VCR remote control sensor.</i>	Operate within 5 metres. Reduce light.
	<i>Obstacle in path of beam.</i>	Clear path of beam.
	<i>Batteries are inserted incorrectly; the + and - polarities are the wrong way around.</i>	Insert batteries correctly.
	<i>Batteries are weak.</i>	Replace batteries.
NO colour or 'snow' in playback picture.	<i>Tape is worn or damaged.</i>	Try another tape.
	<i>Tracking adjustments beyond the range of automatic tracking circuit.</i>	Adjust tracking manually using the CH/TRK buttons.



Memo

15 horizontal dashed lines for writing.





Memo

15 horizontal dashed lines for writing.





Nominal specifications

TELEVISION

Picture Tube: 21" (51cm "V") measured diagonally, 90 degree deflection
Television System: UK: 625 lines 50 fields PAL I
Tuner: Electronic 2 Tuners
Audio Output Power: 2.5W
Speaker: 7.6cm 8 ohm

VCR

Video recording system: VHS, 2 Rotary Heads Helical Scanning System
..... Luminance: FM azimuth recording
Head: Video: 2 Rotary Heads
..... Audio/Control: 1 Stationary Head
..... Erase: 1 Full Track Erase
Colour signal: Converted sub-carrier phase shift recording
Audio Track: 1 track
Tape format: 12.65mm high density tape
Tape speed: SP: 23.39 mm/s (NTSC 33.35 mm/s) LP: 11.69mm/s
F.FWD/REW Time at 25°C: ... 1' 48" with E-180 cassette
Input level: Video: 1.0Vp-p, 75 ohm unbalanced
..... Audio: 500mV, 50k ohm unbalanced
Output level: Video: 1.0Vp-p, 75 ohm unbalanced
..... Audio: 500mV, 1K ohm unbalanced

GENERAL

Power supply: AC230-240V~50Hz
Power consumption: 60W
Operating Temperature: 5°C to 40°C
Dimensions: 489mm (W) x 462.5mm (D) x 479.5mm (H)
Weight: 22kg



J5C51201A

04/06 K