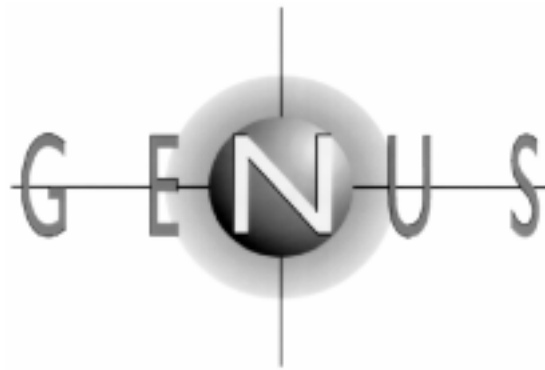# Panasonic

TX−21GV1
TX−14GV1

Colour TV−Video Combination

(U.K. Standard)

GENUS

VIDEO*plus+*   VHS PAL

Operating Instructions

WARNINGS AND PRECAUTIONS

- This TV – Video is designed to operate on 220 - 240V, 50Hz A.C.

- To prevent damage which might result in electric shock or fire, do not expose this TV – Video to rain or excessive moisture.

- **WARNING : HIGH VOLTAGE !!!**
  Do not remove the rear cover as live parts are accessible when it is removed. There are no user serviceable parts inside.

- Avoid exposing the TV – Video to direct sunlight and other sources of heat.

- The On/Off switch on this model does not fully disconnect the TV – Video from the mains supply. Remove the mains plug from the wall socket when the TV – Video is not used for a prolonged period of time.

- **CABINET AND PICTURE TUBE CARE**
  Remove the mains plug from the wall socket. The cabinet and picture tube can be cleaned with a soft cloth moistened with mild detergent and water. Do not use solutions containing benzol or petroleum. TVs can produce static electricity, care must be taken whenever touching the TV screen.

- Adequate ventilation is essential to prevent failure of electrical components, we recommend that a gap of at least 5cm is left all around this television receiver even when it is placed inside a cabinet or between shelves.

- Placing the TV – Video in a humid room or moving the TV – Video from a cold room into a warm room will cause condensation to form on the VCR mechanism.
  If the message "DEW CONDENSATION" appears on the screen, do not attempt to use the VCR section; you can still watch the TV however. If you attempt to insert a cassette it will be ejected. The DEW CONDENSATION indication will normally cease within a few hours. Times may differ according to the circumstances. Dew condensation advances gradually and indication of the condition may occur after 10 – 15 minutes.

- The illustrations used in these Operating Instructions show the TX – 14GV1 model, but all instructions apply equally to the TX – 21GV1 model.

- Playback and recording of S – VHS type tapes is not possible on this unit.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY

This appliance is supplied with a fitted three pin mains plug for your safety and convenience. A 5 amp fuse is fitted in this plug. If the fuse is replaced then the replacement fuse must be 5 amp rated and should be approved by ASTA or BSI to BS1362.

Check for the ASTA mark ⬦ or the BSI mark ▽ on the body of the fuse.

If the fitted plug has a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. Replacement fuse covers can be purchased through your local Panasonic dealer.

The plug fitted to this appliance incorporates a mains filter circuit. If this is removed or replaced with a non-filtered plug this television will no longer meet the European standards for Electromagnetic Compatibility (EMC). If the fitted plug is unsuitable for the socket outlet in your home an appropriate adapter should be used.

Nonetheless, if the fitted plug is replaced, the fuse should be taken out and the cut-off plug disposed of safely. There is danger of severe electrical shock if the cut off plug is inserted into any 13 amp. socket.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

How to replace the fuse (for plug type shown in example 1) :
Lift out the removable fuse compartment with a screwdriver and replace the fuse, then refit securely into the mains plug (See example 1).
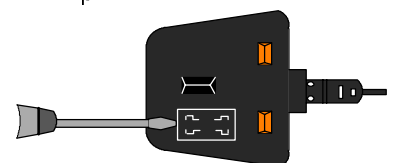
How to replace the fuse (for plug type shown in example 2) :
Lift open the fuse compartment, in the mains plug, with a screwdriver, and replace the fuse, then press the fuse cover down securely. (See example 2).

Example 1.
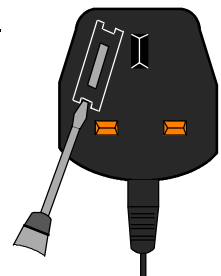
Example 2.

IMPORTANT :– The wires in the mains lead of this appliance are coloured in accordance with the following code :–
                    BLUE : NEUTRAL   BROWN : LIVE
As the colours of the wires in the mains lead of this appliance may not correspond to the markings identifying the terminals in your plug, proceed as follows :–
1.   The BLUE wire must be connected to the terminal marked 'N' or coloured black.
2.   The BROWN wire must be connected to the terminal marked 'L' or coloured red.

IMPORTANT NOTE : Under no circumstances should either of these wires be connected to the Earth terminal of the three pin plug, marked with the letter 'E' or the earth symbol.

WELCOME

Dear Panasonic Customer,
Welcome to the Panasonic family of customers. We hope that you have many years of enjoyment from your new colour TV – Video combination. This is a very advanced unit; however, the Quick Start Guide will allow you to use the TV – Video as quickly as possible. You can then read the instructions completely and retain them for future reference.

CONTENTS

In the manufacture of all its products, Panasonic places a high priority on the environment. Where possible, components are designed to be recycled, and as a safety precaution flame retardant materials are used wherever appropriate.

ACCESSORIES

Check that you have the accessories and items shown ✓

☐ Operating Instruction book
TQB8E2911

TX-21GV1
TX-14GV1
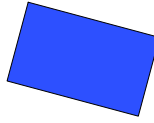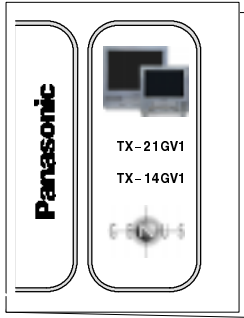
☐ CRT Guarantee

☐ Guarantee

☐ Questionnaire

☐ Remote Control Transmitter
EUR51941

☐ TX-14GV1 only:
Indoor antenna
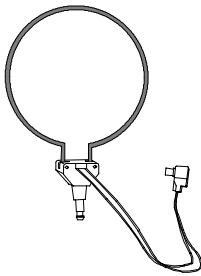
☐ Batteries for the Remote Control
Transmitter.
(2 x R6 (UM3) size)

INSERTING THE REMOTE CONTROL BATTERIES
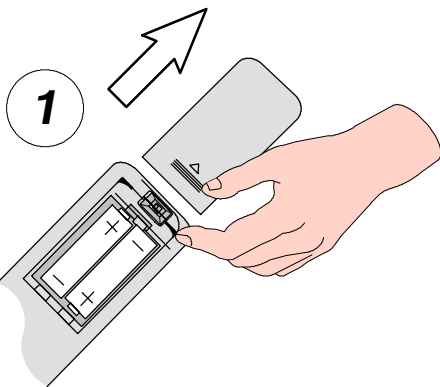
1 Slide off the battery cover
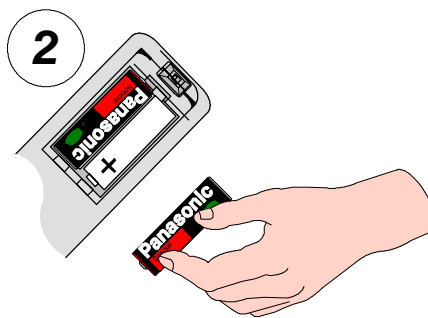
2 Insert batteries - note correct polarity
(+ and −)
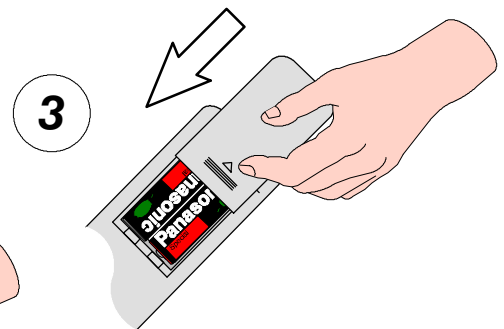
3 Replace the cover

Notes:

● Make sure that the batteries are fitted the correct way round.

● Do not mix old batteries with new batteries. Remove old, exhausted batteries immediately.

● Do not mix different battery types, i.e. Alkaline and Manganese. Do not use rechargeable (Ni-Cad) batteries.

Standby mode indicator

VCR mode indicators

VCR transport controls (see page 28)

TV/AV switch (see page 39)

Headphone socket (see page 39)

VIDEO AUDIO

RCA Audio/Video sockets (see page 39)

F (Function select)
Displays the On Screen Display functions, use repeatedly to select from the available functions.

Mains power switch. Switches TV On or Off standby.
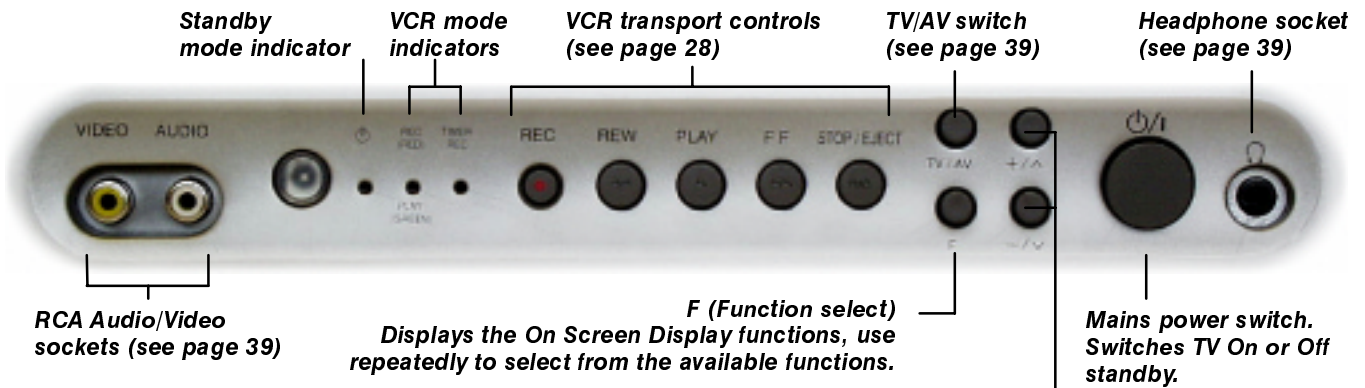
Increases or decreases the programme position by one. When a function is already displayed, press to increase or decrease the selected function. When in Standby mode, switches TV−Video On.

Status button
Press to display programme position, programme name, channel number and VCR status. If teletext is being received, time and station name are also shown. Press again to hide.

Standby On/Off switch.
Switches TV On or Off standby.

Programme / channel change buttons (0−9) and Teletext page buttons. When in Standby mode, switches TV on.

Direct channel access
During normal TV viewing or when in the Tuning or Manual tuning menus, press and then enter channel number using the numeric buttons

Programme position for selection of two digit programmes (10−70) using numeric buttons

Teletext buttons (see page 37)

STR (Normalisation store)
Press to store current settings

Menu control keys (see page 10)

Sound mute On/Off

Switch between viewing TV or AV input (see page 39)

Up / down buttons used to make selections and adjustments

Volume increase / decrease

Teletext buttons (see page 37)

Multi function buttons

VCR transport controls (see page 28)

The N button will recall settings stored with STR

Video Plus + button (see page 33)

VCR functions (see page 28)

Panasonic
TV-VIDEO

Connection and setting up options

1.   If connecting the TV–Video using an RF cable only, proceed to option 1.
2.   If connecting the TV–Video to an external VCR using Scart and RF cables, proceed to option 2.
3.   If connecting the TV–Video to an external VCR and a Satellite Receiver, proceed to option 3 on page 7.

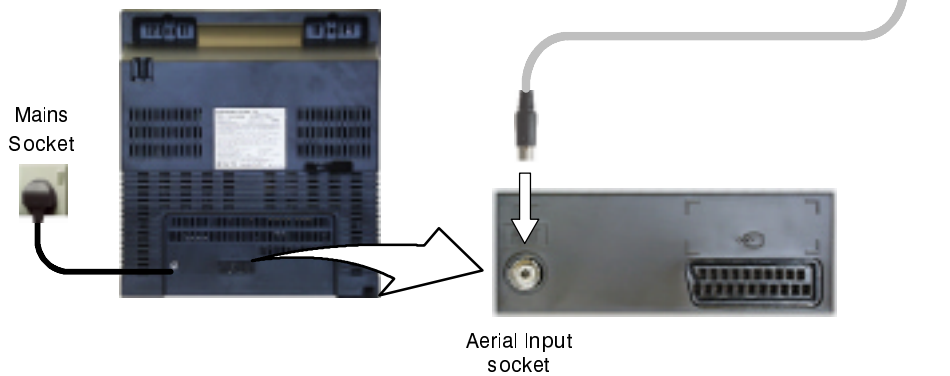### Option 1. Connection of TV–Video using an RF cable only

RF Connection
● Connect the RF cable into the TV–Video Aerial socket (⊓⊏).

● **TX–14GV1 only**:
If you wish to use the supplied indoor aerial, firmly insert the base into the case socket until it clicks into place, and connect the cable to the TV–Video Aerial Input socket (⊓⊏).

Mains
Socket

Aerial Input
socket

Option 2. Connection of TV–Video and external VCR using Scart and RF cables

Scart Connections
● An external VCR can also be connected to the TV–Video using a Scart cable if you are using a Scart equipped VCR.

RF Connection
● Connect the RF cable to the Aerial In socket of the external VCR and an RF cable from the external VCR Aerial Out socket to the TV–Video aerial socket (⊓⊏).

TV–Video

Mains
Socket

Mains
Socket

External VCR

Aerial
Input
socket

Aerial
Input
socket

AV
Scart socket

AV1
Scart socket

Aerial
Output
socket
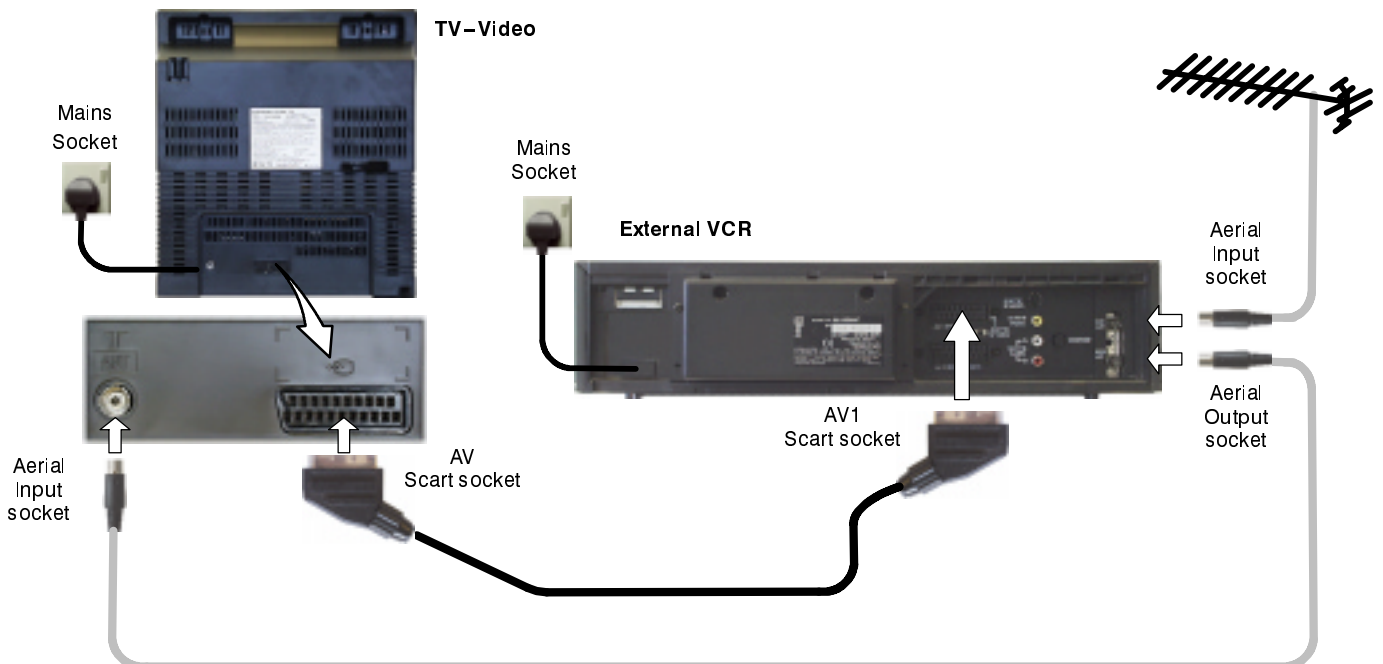
Notes :
Additional equipment and cables are not supplied.
Further details of Audio/ Video connections can be found on page 39.

Option 3. Connection of TV−Video, VCR and Satellite Receiver using Scart and RF cables

Scart Connections
- Connect a Scart cable from the VCR Scart socket of the Satellite Receiver to the AV2 socket of the external VCR.
- Connect a Scart cable from the AV1 socket of the external VCR to the AV Scart socket of the TV−Video.

RF Connections
- Connect an RF cable to the Aerial In socket of the Satellite Receiver.
- Connect an RF cable from the RF Out socket of the Satellite Receiver to the RF In socket of the VCR.
- Connect an RF cable from the RF Out socket of the VCR to the TV−Video Aerial In socket (ᴦᴦ).

Notes :
Only TX−14GV1 is supplied with an indoor antenna. Additional equipment and cables are not supplied.
Further details of Audio/ Video connections can be found on page 39.

Quick Start Guide
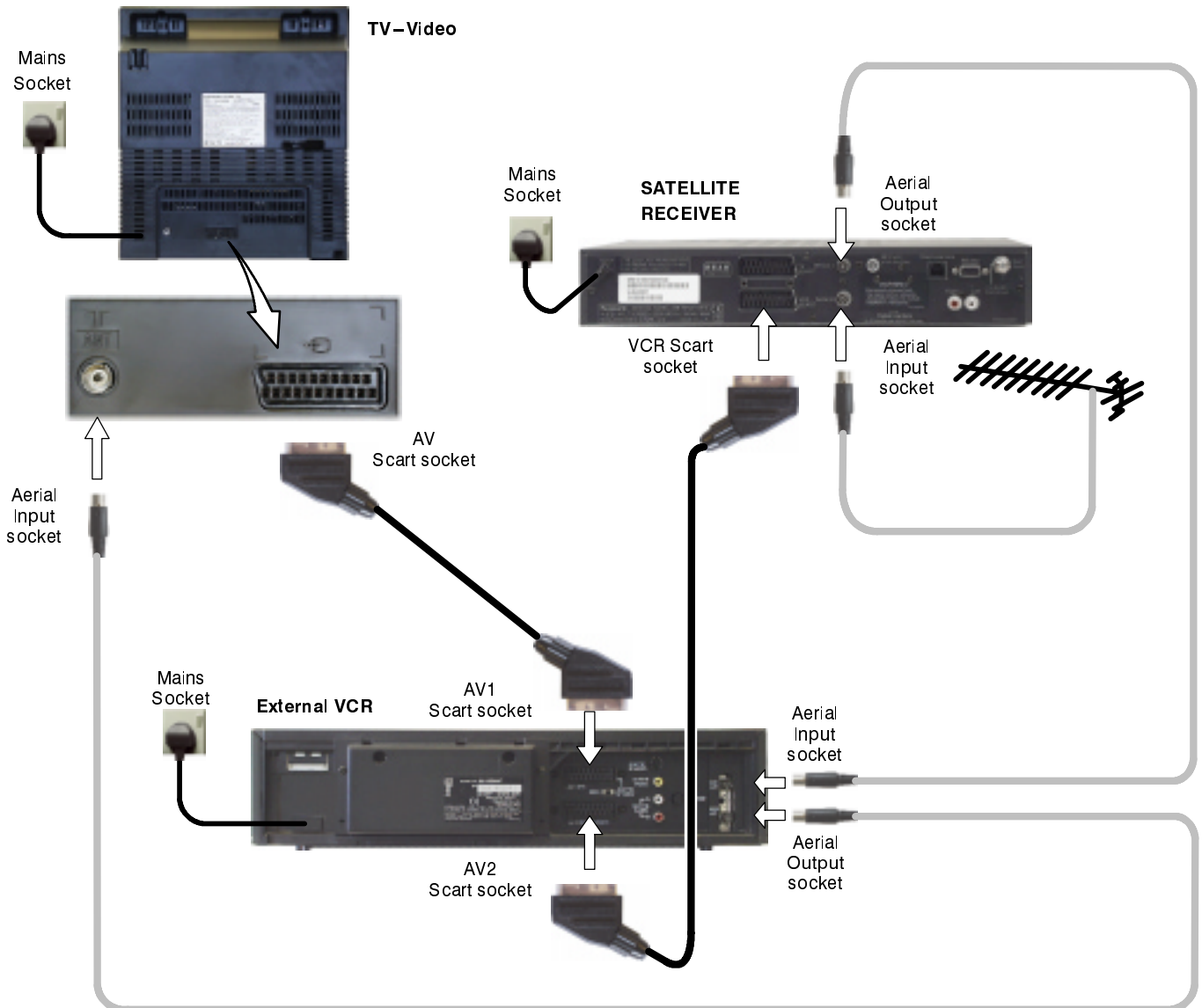
1

Mains Socket

Plug the TV – Video into a mains socket and switch On.

Note:
● When connected to the wall outlet, with the mains socket switched on, the orange mains indicator will illuminate.

2

CH45

AUTO SETUP in progress
PLEASE WAIT

21   68

EXIT: Exit
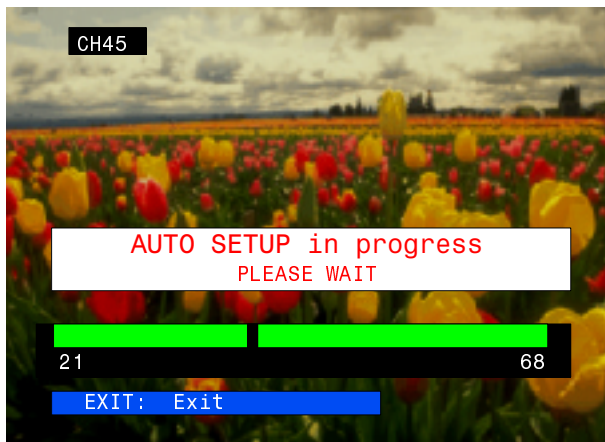
Programmes will appear immediately if your dealer has programmed the TV for you.
If the TV has not been programmed for you then **Auto setup** will begin. TV stations will be located, sorted into order and stored ready for use.

3

Owner ID
As an added feature, this TV – Video has the option of adding a security code (Owner ID) and personal details into its memory, so that in the unfortunate event of theft it will help the Police to trace the owner.

You now have the opportunity to
enter your details and help the
police crack crime.
        See instruction book

Owner ID
Pin number: ★ ★ ★ ★
Name: ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
House no. : ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
Postcode: ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

0123456789

STR : Store owner ID
▲ ▼ : Select character
◄ ► : Change character
0-9 : Digit entry
EXIT : Exit

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
   ⓪

Enter required 4 digit Owner ID **PIN NUMBER**.
(using 0 to 9 on the remote control).

4

```
You now have the opportunity to
enter your details and help the
police crack crime.
     See instruction book

        Owner ID

Pin number: 1 2 3 4
Name:    ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
House no. : ★ ★ ★ ★ ★ ★ ★ ★ ★
Postcode: ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

        0123456789

STR    : Store owner ID
▲ ▼    : Select character
◄ ►    : Change character
0-9    : Digit entry
EXIT   : Exit
```

Enter **NAME, HOUSE NUMBER** and **POSTCODE** using the menu control buttons.

If a 4 digit **PIN NUMBER** was entered above, you will be taken automatically to the **NAME** line.

If not, move to the **NAME** line.

Change character.

Select character position.

Repeat above until **NAME, HOUSE NUMBER** and **POSTCODE** are entered.

STR

Press STR to store the details.

STR

Press **STR** again, when you are asked "Are you sure ?"

For further information on Owner ID, see page 23.

A space is provided on page 23 to write down the **PIN NUMBER** for future reference.

● The sorted programme order depends upon the TV signal, the broadcasting system, and reception conditions.
If the order is not to your preference it can be rearranged. Refer to the Programme edit menu – see pages 16 to 18 for details.

| Prog. Position	All channels	No CH5	No CH5 / S4C	No CH4 / CH5	No S4C	No CH4 / S4C	No CH4 / S4C / CH5
1	BBC1	BBC1	BBC1	BBC1	BBC1	BBC1	BBC1
2	BBC2	BBC2	BBC2	BBC2	BBC2	BBC2	BBC2
3	ITV	ITV	ITV	ITV	ITV	ITV	ITV
4	CH4	CH4	CH4	S4C	CH4	CH5	SAT
5	S4C	S4C	SAT	SAT	CH5	SAT	◌
6	CH5	SAT	◌	◌	SAT	◌	◌
7	SAT	◌	◌	◌	◌	◌	◌

Note :
◌ The next available channel will appear, if no other stations are available then the Programme position will remain unused.

This TV—Video has a comprehensive system of On Screen Display menus to access adjustments and options

Main Menu
Contrast
Brightness
Colour
Sharpness
Timer programming
TV setup
VCR setup

Picture adjustments
See page 11

Direct access to **Contrast**, **Brightness**, **Colour** and **Sharpness** functions

Timer programming

Prog.	Date	Start	Stop	PDC	SP LP
--	--	-- : --	-- : --	-- ---	--
--	--	-- : --	-- : --	-- ---	--
--	--	-- : --	-- : --	-- ---	--
--	--	-- : --	-- : --	-- ---	--
--	--	-- : --	-- : --	-- ---	--

03/04/1999 14:32:17

See pages 31 and 32

Press the **MENU** button, located under the remote control flap, to open the menu system.
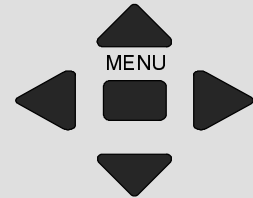
MENU

Use the direction buttons to move through the menus, select functions and make adjustments.

Some functions use the STR button.

STR

TV setup
Aspect   4:3
Off timer   Off
On/Off timer
Tuning menu

See page 13

Direct access to **Aspect** function.
See page 12

Direct access to **Off timer** function.
See page 13

On/Off timer
On time   -- : --
Prog.   --
Off time   -- : --

03/04/1999 14:32:17

See page 14

Programme edit

Prog.	Name	Chan.
1	- - - -	CH47
2	- - - -	CH51
3	- - - -	CH54
4	- - - -	CH61
5	- - - -	CH64

See pages 16, 17 and 18

WARNING
All current tuning data will be erased

See pages 19

Tuning menu
Programme edit
Auto setup
Manual tuning
Shipping condition
Owner ID

See page 15

Manual tuning
▲ ▼   : Programme position
◄ ►   : Start search
STR   : Store
MENU   : Previous
EXIT   : Exit

See pages 20 and 21

Clock
Date Fri 01 / 01 / 1999
Time   -- : --

See page 25

Shipping condition
STR   : Start
MENU   : Previous
EXIT   : Exit

Tuning data will be erased

See pages 22

VCR setup
Clock
Guide number
Auto repeat   Off
VCR Child lock   Off
Record Speed   SP

See page 24

Guide number
Number   Prog.
 ---   --
- - - - - - - - -

See pages 26 and 27

Direct access to **Auto repeat** function
Direct access to **VCR Child lock** function
Direct access to **Record Speed** function
See page 24

Owner ID
Pin number: 1 2 3 4
Name: ★★★★★★★★★★★★★★
House no. : ★★★★★★★★★★
Postcode: ★★★★★★★★★★

See page 23

Open the Main Menu

MENU

Move to your choice

Increase or decrease levels or set options

Main Menu
Contrast
Brightness
Colour
Sharpness
Timer programming
TV setup
VCR setup

▲ ▼ : Select
◄ ► : Adjust
EXIT : Exit
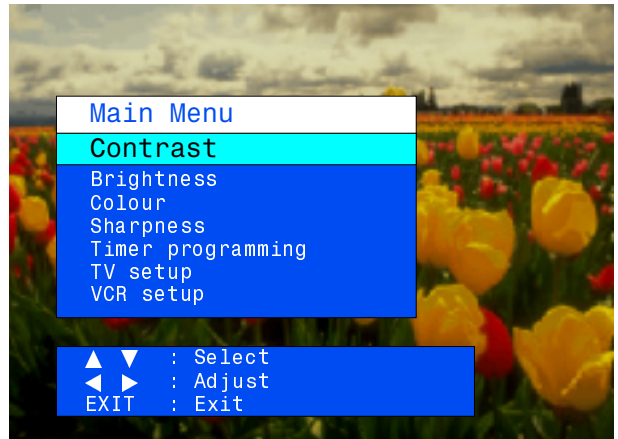
Press the MENU button to exit the menu system

MENU

Main Menu
Contrast
Brightness
Colour
Sharpness
Timer programming
TV setup
VCR setup

▲ ▼ : Select
◄ ► : Adjust
EXIT : Exit
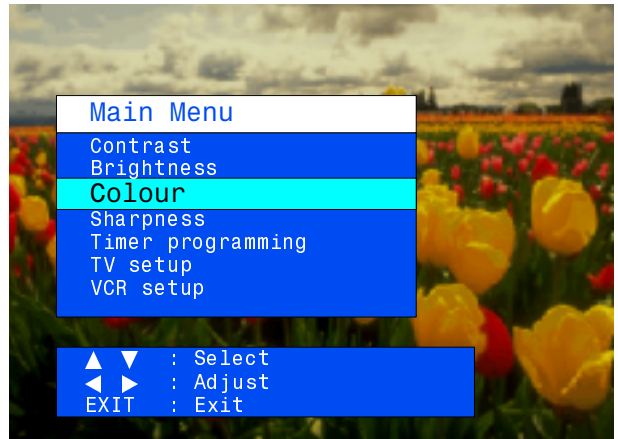
Contrast

Brightness

The Contrast, Brightness, Colour and Sharpness levels can be adjusted to suit your own preferences.
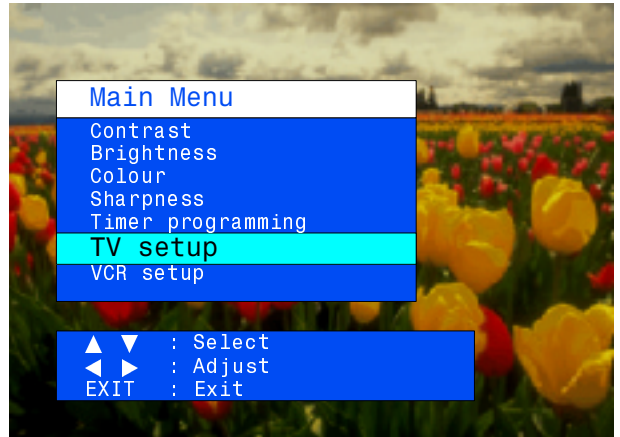
Colour

Sharpness

Tint

The Tint adjustment will only appear as a menu item if you have an NTSC signal source connected to the TV − Video and will allow adjustment of the hue.
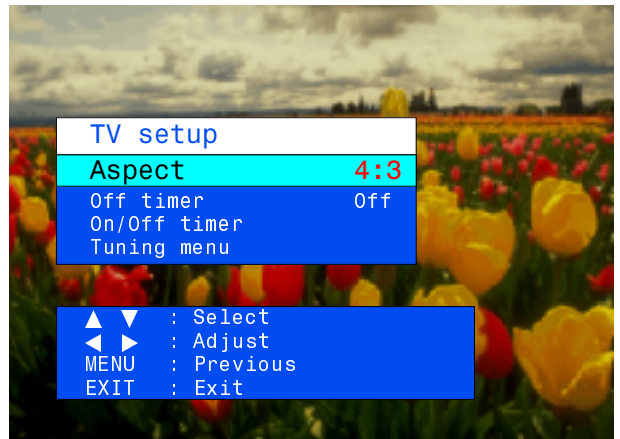
Main Menu
Contrast
Brightness
Colour
Sharpness
Timer programming
TV setup
VCR setup

Colour

11
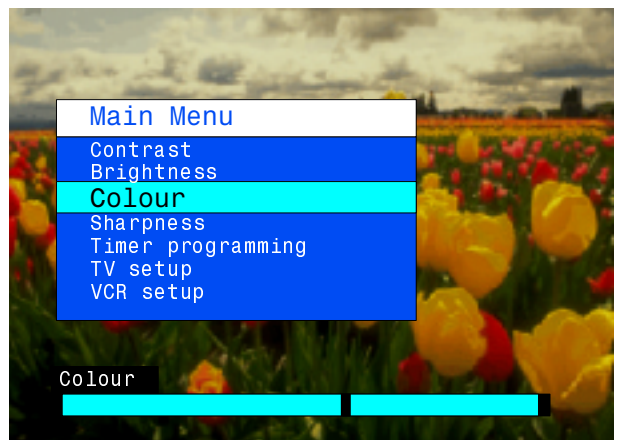
Aspect allows you to view widescreen programme material with the correct aspect ratio (16:9)

Open the Main Menu

MENU

Main Menu
- Contrast
- Brightness
- Colour
- Sharpness
- Timer programming
- TV setup
- VCR setup

▲ ▼   : Select
◄ ►   : Adjust
EXIT : Exit

Move to TV setup

Access TV setup

TV setup
- Aspect   4:3
- Off timer   Off
- On/Off timer
- Tuning menu

▲ ▼   : Select
◄ ►   : Adjust
MENU : Previous
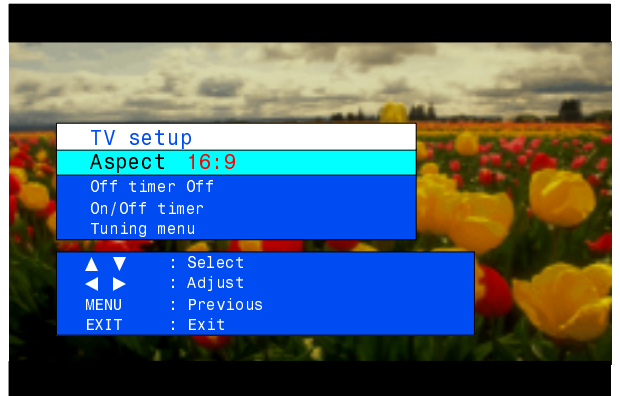EXIT : Exit

Move to Aspect

Select appropriate aspect ratio for the programme material being viewed.
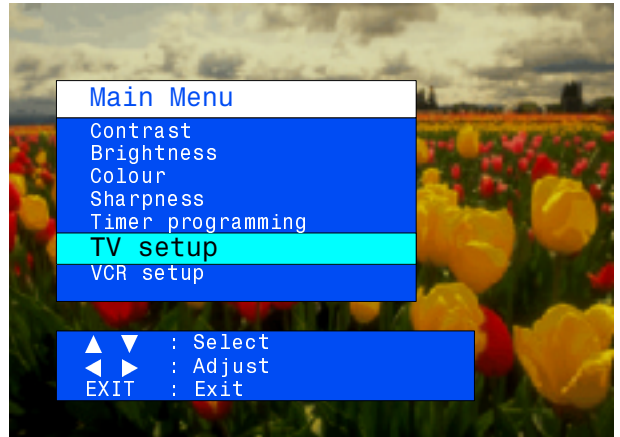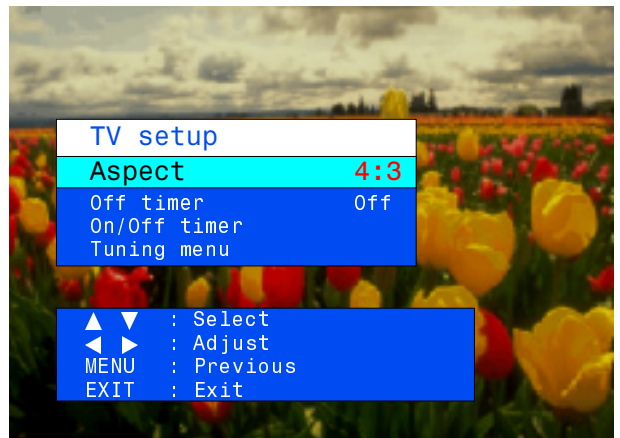Select 4:3 for a standard picture or 16:9 for a widescreen picture.

TV setup
- Aspect 16:9
- Off timer Off
- On/Off timer
- Tuning menu

▲ ▼   : Select
◄ ►   : Adjust
MENU : Previous
EXIT : Exit

Press the EXIT button to exit

EXIT

TV SETUP − OFF TIMER

The Off timer allows the TV−Video to turn off after a specified period

Open the Main Menu

MENU

```
Main Menu
  Contrast
  Brightness
  Colour
  Sharpness
  Timer programming
  TV setup
  VCR setup

  ▲ ▼    : Select
  ◄ ►    : Adjust
  EXIT   : Exit
```

Move to TV setup

Access TV setup

```
TV setup
  Aspect              4:3
  Off timer           Off
  On/Off timer
  Tuning menu

  ▲ ▼    : Select
  ◄ ►    : Adjust
  MENU   : Previous
  EXIT   : Exit
```

Move to Off timer

Select period after which TV will turn off automatically.
Each press increases the time period by 30 minutes.

```
TV setup
  Aspect              4:3
  Off timer            30
  On/Off timer
  Tuning menu

  ▲ ▼    : Select
  ◄ ►    : Adjust
  MENU   : Previous
  EXIT   : Exit
```

Press the EXIT button to exit

EXIT

29

Notes:
The time remaining is displayed on screen.
To cancel the Off timer, access the Off timer function again and select **Off**.
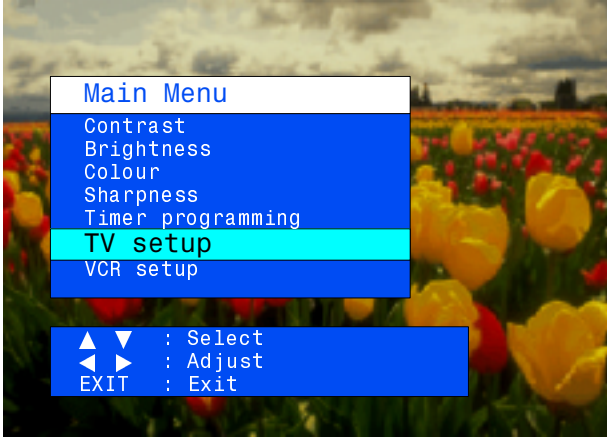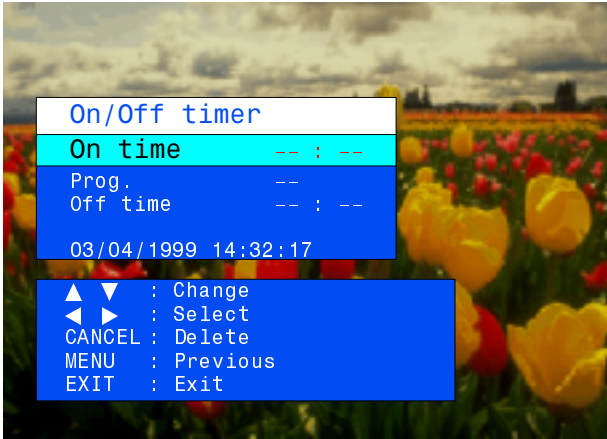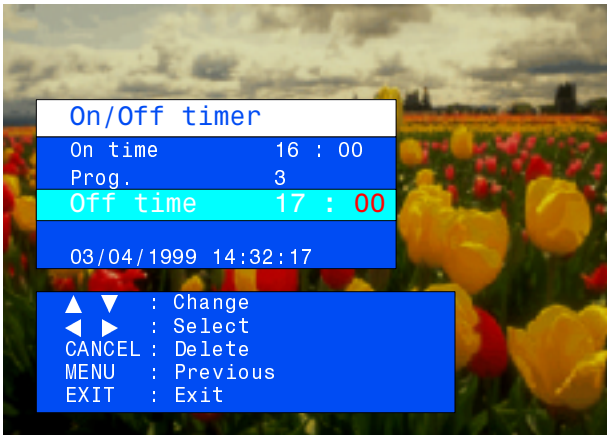
The On/Off timer allows the TV–Video to turn on and off at specified times

Notes:
To cancel the On/Off timer, access the On/Off timer function again and press the **CANCEL** button.
The clock must be set before the On/Off timer can be used. If the clock has not been set, the Clock screen will appear.
See page 25 for details.

MENU

Open the Main Menu

Move to TV setup

Access TV setup

Move to On/Off timer

Access On/Off timer

Set the On time

Set the programme position to be shown when the TV–Video switches on.
If you do not do this, the 'on time' will not be stored by the TV–Video, consequently the set will not switch on at the time intended

Set the Off time

Press the EXIT button to exit

EXIT

```
Main Menu
   Contrast
   Brightness
   Colour
   Sharpness
   Timer programming
   TV setup
   VCR setup

   ▲  ▼    : Select
   ◄  ►    : Adjust
   EXIT    : Exit
```

```
On/Off timer
On time            -- : --
Prog.              --
Off time           -- : --

03/04/1999 14:32:17

▲  ▼    : Change
◄  ►    : Select
CANCEL : Delete
MENU   : Previous
EXIT   : Exit
```

```
On/Off timer
On time            16 : 00
Prog.              3
Off time           17 : 00

03/04/1999 14:32:17

▲  ▼    : Change
◄  ►    : Select
CANCEL : Delete
MENU   : Previous
EXIT   : Exit
```

If you wish you can now switch the TV–Video into standby mode. When the On time is reached, the TV–Video will turn on automatically. If the Off time is reached and the TV–Video is currently on, it will switch into standby mode.

The Tuning menu allows you to tune new stations and edit current programme positions

Note:
The Tuning menu is not available while the VCR is playing.

MENU

Open the Main Menu

Move to TV setup

Access TV setup

Move to Tuning menu

Access Tuning menu

Main Menu

Contrast
Brightness
Colour
Sharpness
Timer programming
TV setup
VCR setup

```
▲ ▼    : Select
◄  ►   : Adjust
EXIT   : Exit
```
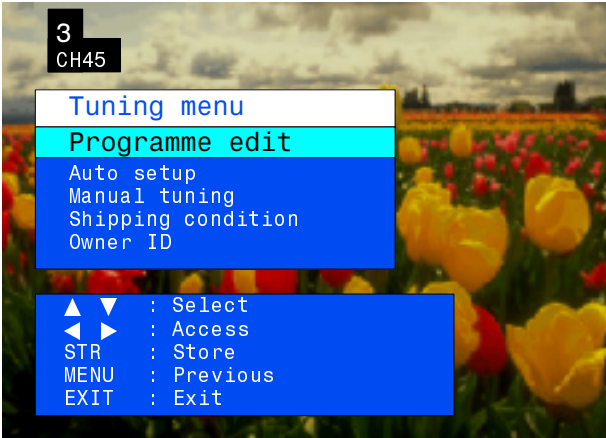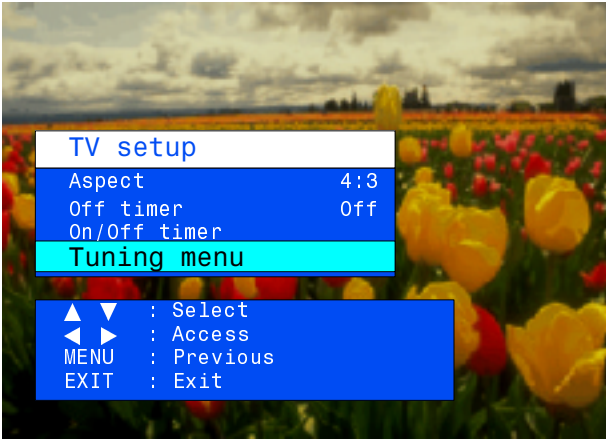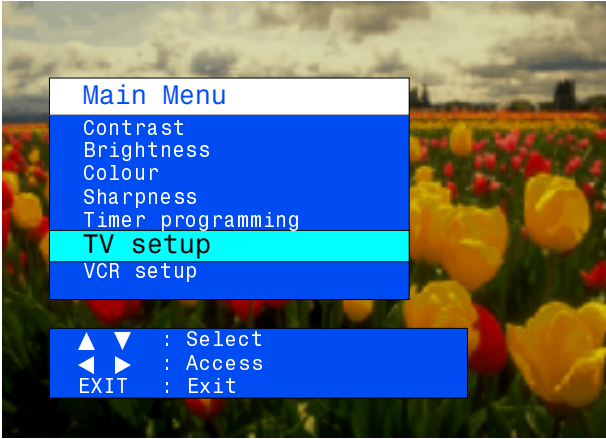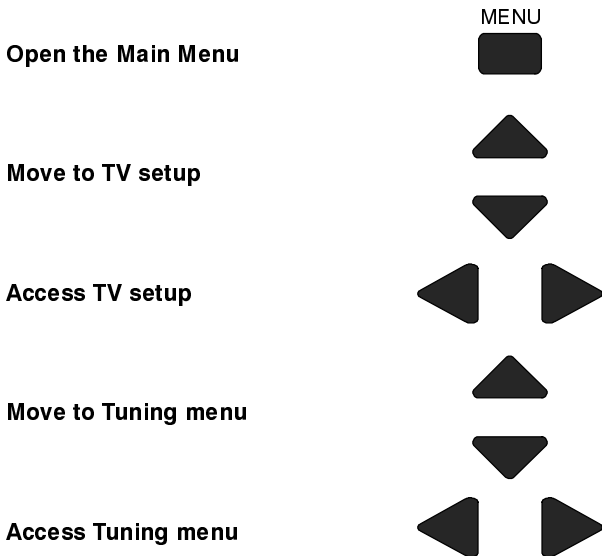
Programme edit

Accessing the Programme edit menu will allow stations to be added, swapped, named or deleted. See page 16.

Main Menu

```
Contrast
Brightness
Colour
Sharpness
Timer programming
TV setup
VCR setup
```

```
▲ ▼    : Select
◄  ►   : Access
EXIT   : Exit
```

Auto setup

The Auto setup menu allows you to automatically retune the TV − Video. See page 19.

Manual tuning

The Manual tuning menu allows individual programme positions to be tuned manually. See page 20.

TV setup

```
Aspect              4:3
Off timer           Off
On/Off timer
Tuning menu
```

```
▲ ▼    : Select
◄  ►   : Access
MENU   : Previous
EXIT   : Exit
```

Shipping condition

The Shipping condition menu allows you to clear all tuning information and reset all control levels back to factory settings. See page 22.

Owner ID

Owner I.D. allows you to enter a security code and address information. See page 23.

3
CH45

Tuning menu

```
Programme edit
Auto setup
Manual tuning
Shipping condition
Owner ID
```

```
▲ ▼    : Select
◄  ►   : Access
STR    : Store
MENU   : Previous
EXIT   : Exit
```

15

The Programme edit menu allows you to edit the programme position settings

Open the Main Menu

MENU

```
      Main Menu
   Contrast
   Brightness
   Colour
   Sharpness
   Timer programming
   TV setup
   VCR setup

   ▲ ▼    : Select
   ◄ ►    : Adjust
   EXIT   : Exit
```

Move to TV setup

Access TV setup

Move to Tuning menu

```
      Main Menu
   Contrast
   Brightness
   Colour
   Sharpness
   Timer programming
   TV setup
   VCR setup

   ▲ ▼    : Select
   ◄ ►    : Access
   EXIT   : Exit
```

Access Tuning menu

Move to Programme edit

Access Programme edit

```
   TV setup
   Aspect              4:3
   Off timer           Off
   On/Off timer
   Tuning menu

   ▲ ▼    : Select
   ◄ ►    : Access
   MENU   : Previous
   EXIT   : Exit
```

**Make required changes
(see following sections)**

**Press the STR button to store
changes**

STR

**If you have finished in the
Programme edit menu, press the
EXIT button to exit**

EXIT

```
   3
   CH45

   Tuning menu
   Programme edit
   Auto setup
   Manual tuning
   Shipping condition
   Owner ID

   ▲ ▼    : Select
   ◄ ►    : Access
   STR    : Store
   MENU   : Previous
   EXIT   : Exit
```

To delete an unwanted programme position

Select the programme position
to be deleted

Press the Red multi function
button

Press the STR button to confirm

STR

If you have finished in the
Programme edit menu, press the
EXIT button to exit

EXIT

```
Programme edit

Prog. Name        Chan.
1     – – – –     CH47
2     – – – –     CH51
3     – – – –     CH54
4     – – – –     CH61
5     – – – –     CH64

delete      swap

▲ ▼    : Change prog
◄ ►    : Select
STR    : Store
MENU   : Previous
EXIT   : Exit
```
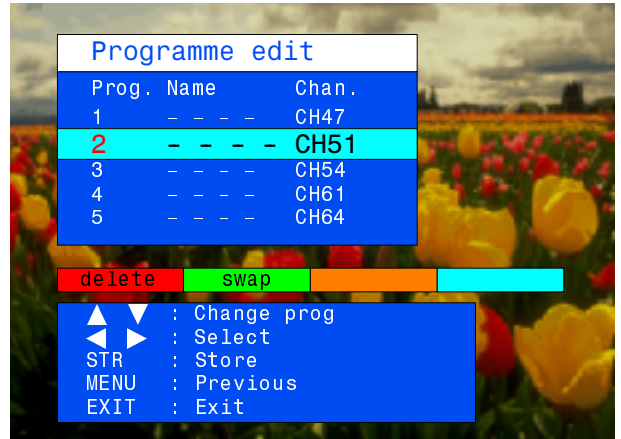
To swap two programme positions

Select the first programme
position

Press the Green multi function
button

Select the second programme
position

Press the STR button to swap
the programme positions

STR

If you have finished in the
Programme edit menu, press the
EXIT button to exit

EXIT

```
Programme edit

Prog. Name        Chan.
1     – – – –     CH47
2     – – – –     CH51
3     – – – –     CH54
4     – – – –     CH61
5     – – – –     CH64

delete      swap

▲ ▼    : Change prog
◄ ►    : Select
STR    : Store
MENU   : Previous
EXIT   : Exit
```
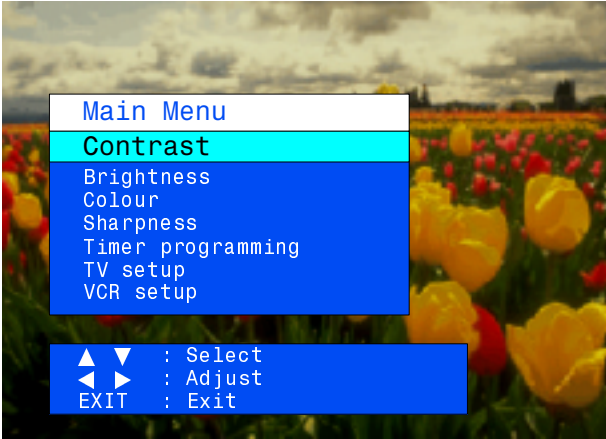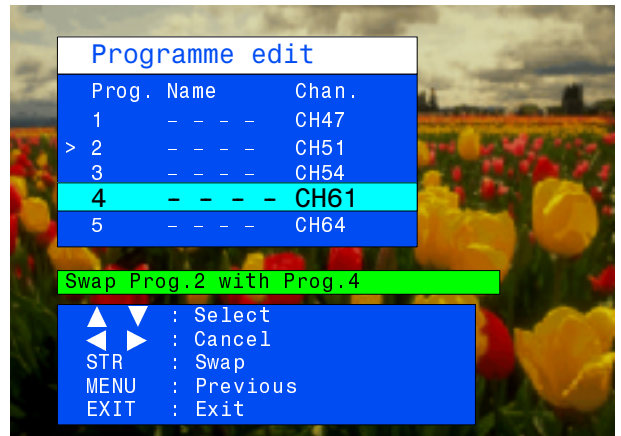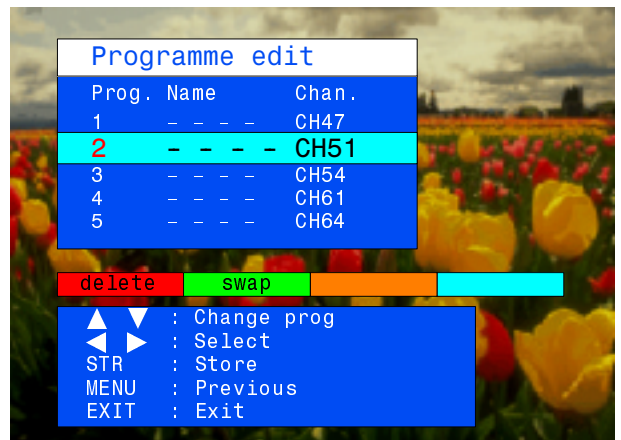
```
Programme edit

Prog. Name        Chan.
1     – – – –     CH47
> 2   – – – –     CH51
3     – – – –     CH54
4     – – – –     CH61
5     – – – –     CH64

Swap Prog.2 with Prog.4

▲ ▼    : Select
◄ ►    : Cancel
STR    : Swap
MENU   : Previous
EXIT   : Exit
```

To name a programme position

Select the programme position to be named

```
     Programme edit
Prog. Name        Chan.
1     – – – –     CH47
2     – – – –     CH51
3     – – – –     CH54
4     – – – –     CH61
5     – – – –     CH64

delete      swap

▲ ▼      : Change prog
◄ ►      : Select
STR      : Store
MENU     : Previous
EXIT     : Exit
```

Move to the first character field

Select a character

Character field

```
     Programme edit
Prog. Name        Chan.
1     – – – –     CH47
2     B – – –     CH51
3     – – – –     CH54
4     – – – –     CH61
5     – – – –     CH64

ABCDEFGHIJKLMNOPQRST
UVWXYZ+-./0123456789

▲ ▼      : Change name
◄ ►      : Select
STR      : Store
MENU     : Previous
EXIT     : Exit
```

Move to the next character field

Repeat until the programme name is complete. You do not have to use all the character positions.
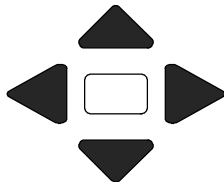
Press the STR button to store the name

STR

```
     Programme edit
Prog. Name        Chan.
1     – – – –     CH47
2     B B C 1     CH51
3     – – – –     CH54
4     – – – –     CH61
5     – – – –     CH64

ABCDEFGHIJKLMNOPQRST
UVWXYZ+-./0123456789

▲ ▼      : Change name
◄ ►      : Select
STR      : Store
MENU     : Previous
EXIT     : Exit
```

If you have finished in the Programme edit menu, press the EXIT button to exit

EXIT

18
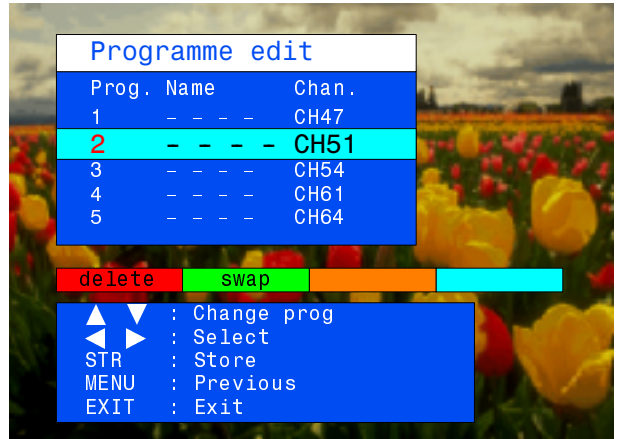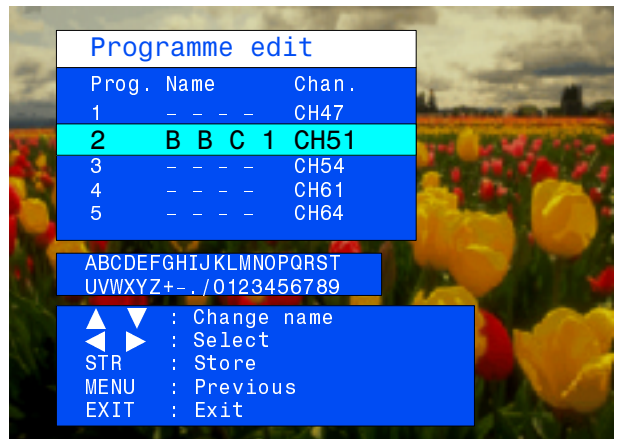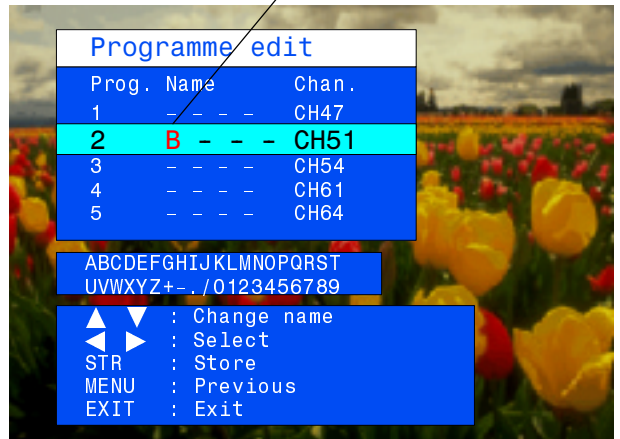
The Auto setup menu will allow you to automatically retune the TV–Video to your local stations. It is useful if you move to a different region.

Open the Main Menu

MENU

```
    Main Menu
    Contrast
    Brightness
    Colour
    Sharpness
    Timer programming
    TV setup
    VCR setup

    ▲ ▼    : Select
    ◄ ►    : Adjust
    EXIT   : Exit
```

Move to TV setup

Access TV setup

```
3
CH45

    Tuning menu
    Programme edit
    Auto setup
    Manual tuning
    Shipping condition
    Owner ID

    ▲ ▼    : Select
    ◄ ►    : Access
    STR    : Store
    MENU   : Previous
    EXIT   : Exit
```

Move to Tuning menu

Access Tuning menu

Move to Auto setup

```
        WARNING
    All current tuning data
        will be erased

    STR    : Start
    MENU   : Previous
    EXIT   : Exit
```

Access Auto setup

Start Auto setup process

STR

The TV will search for, locate and sort into order your local stations. Once this operation is completed the TV will display programme position 1.

```
CH45

    AUTO SETUP in progress
        Please wait

    21                      68

    MENU   : Previous
    EXIT   : Exit
```

Manual tuning of the programme positions is available either from the On Screen Display menu or from the front panel controls

Note:
Remember to select programme position 0 (VCR) if tuning to an external VCR connected using RF cables.

Open the Main Menu

MENU
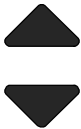
Move to TV setup

Access TV setup

Move to Tuning menu

Access Tuning menu

Move to Manual tuning

Access Manual Tuning

Select the programme position to be tuned

Press repeatedly until required station is found
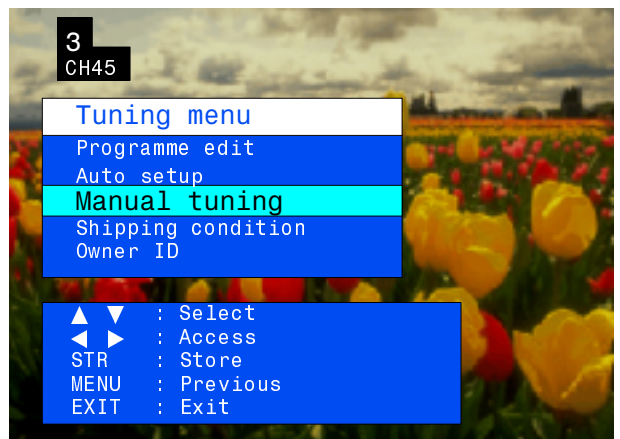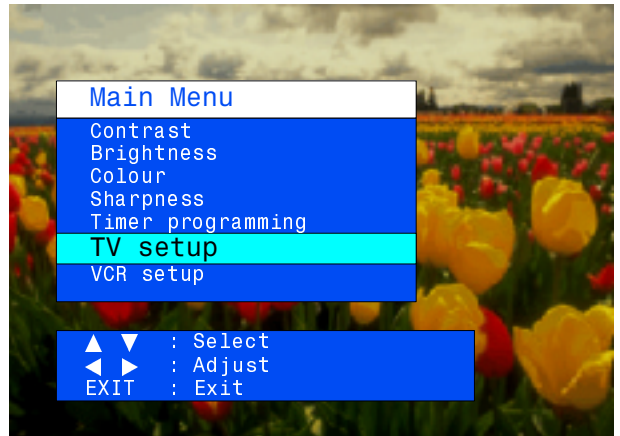
Note: If you know your local channel numbers, you can press the **C** button followed by the numeric keys to enter the channel number directly.

1 2 3
4 5 6
7 8 9
C 0 −−

Store programme position

STR

If you have finished in the Manual tuning menu, press the EXIT button to exit

EXIT

Main Menu
Contrast
Brightness
Colour
Sharpness
Timer programming
TV setup
VCR setup

▲ ▼ : Select
◄ ► : Adjust
EXIT : Exit

TV setup
Aspect   4:3
Off timer   Off
On/Off timer
Tuning menu

▲ ▼ : Select
◄ ► : Access
STR : Store
MENU : Previous
EXIT : Exit

3
CH45

Tuning menu
Programme edit
Auto setup
Manual tuning
Shipping condition
Owner ID

▲ ▼ : Select
◄ ► : Access
STR : Store
MENU : Previous
EXIT : Exit

3
CH45

Manual tuning
▲ ▼ : Programme position
◄ ► : Start search
STR : Store
MENU : Previous
EXIT : Exit

21   68

20

Note:
Remember to select the VCR programme position if tuning to an external VCR connected using RF cables.

Press repeatedly until the Manual tuning option is displayed

F

```
Manual tuning (Front panel)
    F:    Select
   –/+:   Start search
  TV/AV:  Store
21                              68
```
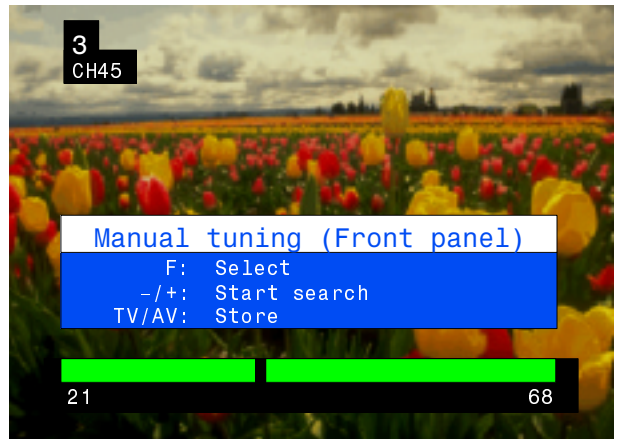
Enter Manual tuning

+ / ∧
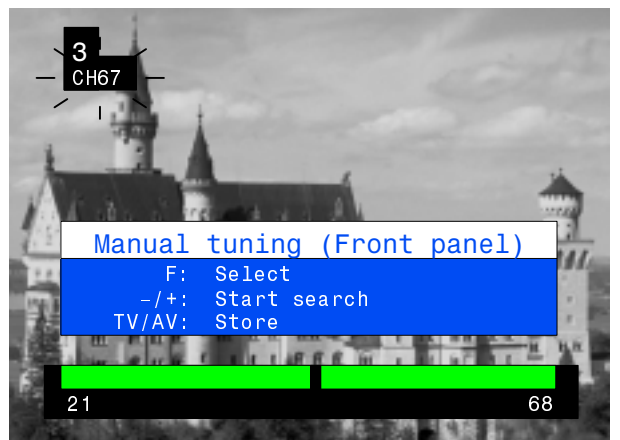
Press – or + to begin searching for stations

– / ∨   + / ∧

```
Manual tuning (Front panel)
    F:    Select
   –/+:   Start search
  TV/AV:  Store
21                              68
```
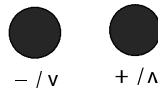
The television will begin to search for stations. When a station is found the search will pause; if it is **not** the correct station, you can press the – or + buttons to continue searching.
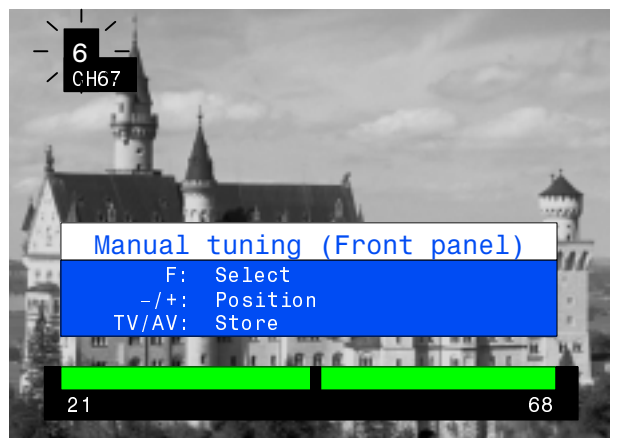
When the desired station is found, press the F button to move to the programme position indicator

F

```
Manual tuning (Front panel)
    F:    Select
   –/+:   Position
  TV/AV:  Store
21                              68
```

Press – or + to select the programme position in which the station is to be stored

– / ∨   + / ∧
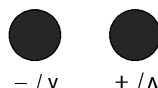
Press TV/AV to store the programme position

TV/AV

The programme position and channel number indicators will flash to indicate the station is being stored

```
Manual tuning (Front panel)
    F:    Select
   –/+:   Position
  TV/AV:  Store
21                              68
```
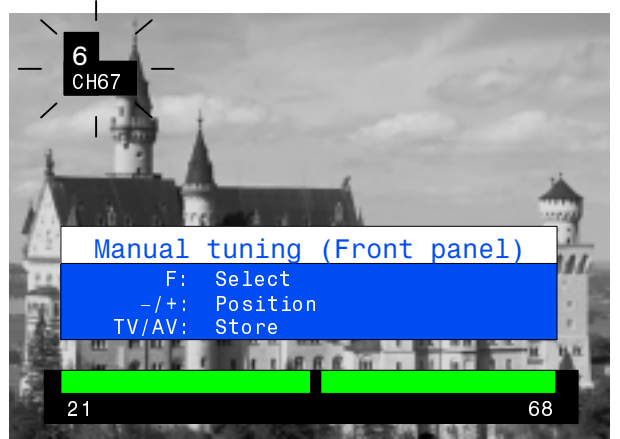
To tune further stations press the F button twice and repeat the tuning process

F , F

To exit Manual Tuning, press F then – or +

F , – / V

21

Shipping condition allows you to reset the TV to its original condition, i.e. no channels tuned in.

This is useful, for example, if you move to a different area when you will probably want the TV to tune itself to your new local stations. This can be done either through the **Shipping condition** menu or through the **Auto setup** menu. The **Shipping condition** menu will reset all data, clearing all tuning information and resetting all control levels back to factory settings.

Open the Main Menu	MENU	
Move to TV setup	▲ ▼	
Access TV setup	◄ ►	
Move to Tuning menu	▲ ▼	
Access Tuning menu	◄ ►	
Move to Shipping condition	▲ ▼	
Access Shipping condition	◄ ►	
Start Shipping condition	STR	
Press again to confirm, when you are asked "Are you sure ?"	STR	
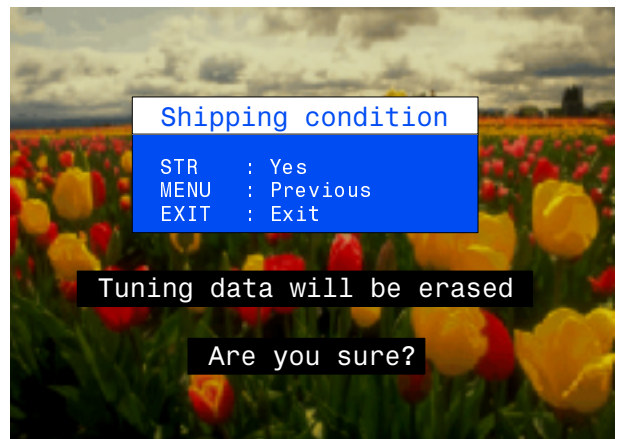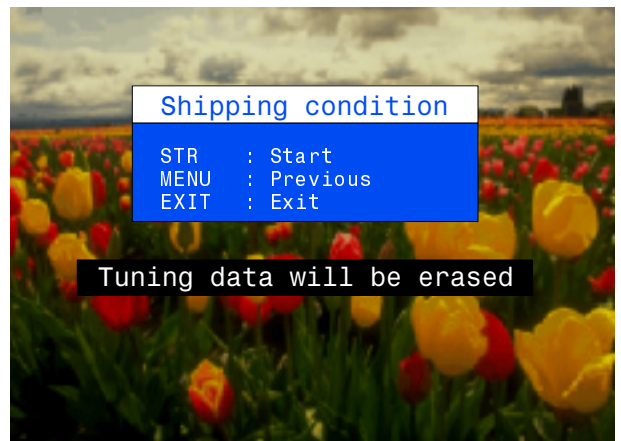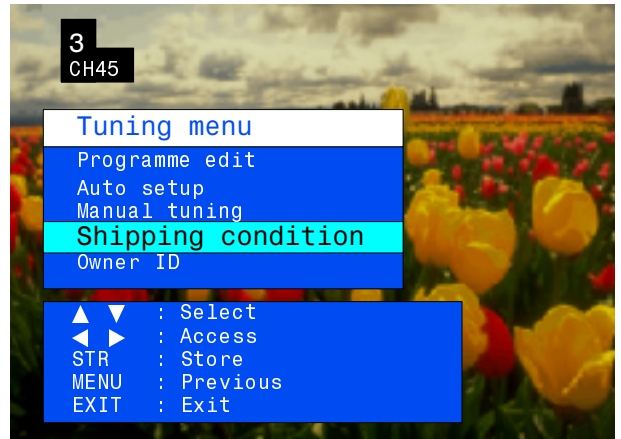
Switch the TV–Video off and wait for a few seconds.
Switch TV–Video on again.
Auto setup will begin, stations will be located, sorted and stored ready for use.
See page 19.


```
3
CH45

Tuning menu
   Programme edit
   Auto setup
   Manual tuning
   Shipping condition
   Owner ID

▲ ▼   : Select
◄ ►   : Access
STR   : Store
MENU  : Previous
EXIT  : Exit
```



```
Shipping condition

STR   : Start
MENU  : Previous
EXIT  : Exit

Tuning data will be erased
```



```
Shipping condition

STR   : Yes
MENU  : Previous
EXIT  : Exit

Tuning data will be erased

Are you sure?
```

Owner ID allows you to enter a security code and address information so that in the unfortunate event of theft it will help the Police to determine the owner.
If the Owner ID information was not entered after Auto setup or it is necessary to alter some of the ID information it can be re-accessed via the Tuning menu.

Open the Main Menu

MENU

Move to TV setup

Access TV setup

Move to Tuning menu

Access Tuning menu

Move to Owner ID

Access Owner ID

If the Owner ID has previously been set, enter the **PIN NUMBER** (using 0 to 9 on the remote control) followed by **STR** to proceed, this will take you to the **NAME** option.

STR

If no Owner ID has previously been set, enter the required 4 digit Owner ID **PIN NUMBER** (using 0 to 9 on the remote control).

If a 4 digit **PIN NUMBER** was entered above, you will be taken automatically to the **NAME** line.

If not, move to the **NAME** line.

Change character.

Select character position.

Repeat above until **NAME, HOUSE NUMBER** and **POSTCODE** are entered.

STR

Press STR to store the details. Press again, to confirm,when asked, "Are you sure ?"

STR

The Tuning menu will be displayed.

EXIT

Press the EXIT button to exit

3
CH45

Tuning menu
Programme edit
Auto setup
Manual tuning
Shipping condition
Owner ID

▲ ▼   : Select
◄ ►   : Access
STR   : Store
MENU   : Previous
EXIT   : Exit

You now have the opportunity to enter your details and help the police crack crime.
See instruction book

Owner ID
Pin number: ★ ★ ★ ★
Name: ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
House no. : ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
Postcode: ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

0123456789

STR   : Store owner ID
▲ ▼   : Select character
◄ ►   : Change character
0-9   : Digit entry
EXIT   : Exit

You now have the opportunity to enter your details and help the police crack crime.
See instruction book

Owner ID
Pin number: 1 2 3 4
Name: ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
House no. : ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
Postcode: ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

0123456789

STR   : Store owner ID
▲ ▼   : Select character
◄ ►   : Change character
0-9   : Digit entry
EXIT   : Exit

For future reference,
write your PIN Number here :

_____   _____   _____   _____

The VCR setup menu allows you to adjust the main VCR settings

Open the Main Menu

MENU

Move to VCR setup

Access VCR setup

```
   Main Menu
   Contrast
   Brightness
   Colour
   Sharpness
   Timer programming
   TV setup
   VCR setup

   ▲ ▼   : Select
   ◄ ►   : Adjust
   EXIT  : Exit
```
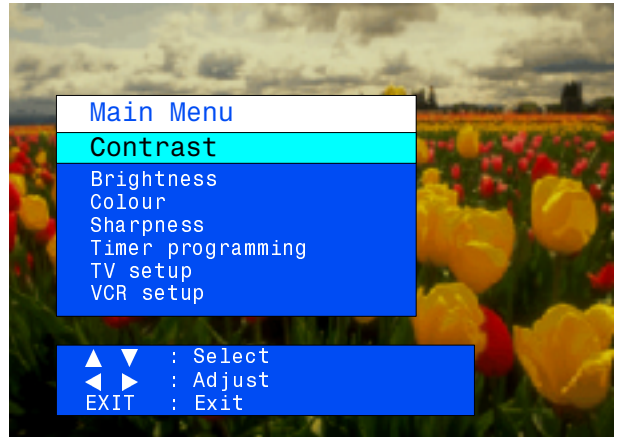
Clock

The Clock menu allows you to set the date and time.
See page 25.
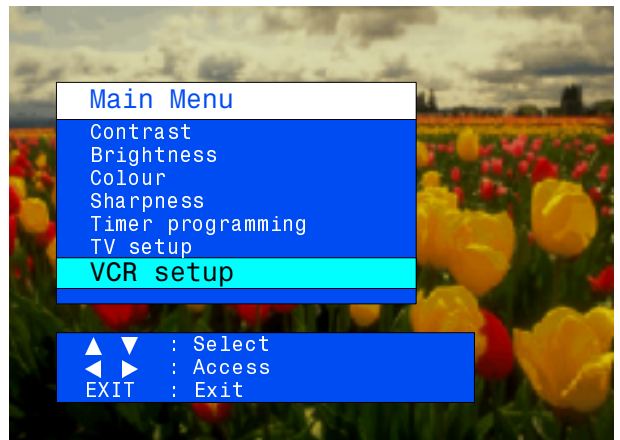
Guide number

The Guide number menu allows you to enter guide number information.
See page 26.

```
   Main Menu
   Contrast
   Brightness
   Colour
   Sharpness
   Timer programming
   TV setup
   VCR setup

   ▲ ▼   : Select
   ◄ ►   : Access
   EXIT  : Exit
```

Auto repeat

The Auto repeat function allows the TV – Video to continuously replay the tape. When the end of the tape is reached, the TV – Video will automatically rewind the tape and then restart playback.
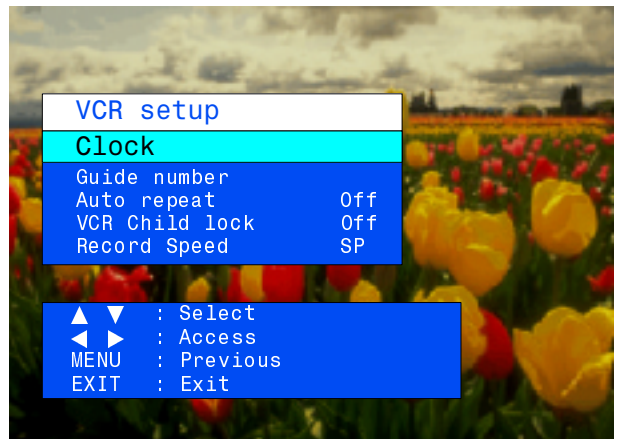
VCR Child lock

The VCR Child lock prevents use of the VCR. Only the remote control can be used to set VCR Child lock On or Off.

```
   VCR setup
   Clock
   Guide number
   Auto repeat        Off
   VCR Child lock     Off
   Record Speed       SP

   ▲ ▼   : Select
   ◄ ►   : Access
   MENU  : Previous
   EXIT  : Exit
```

Record Speed

The Record Speed option sets the default recording speed – either SP (Standard Play) or LP (Long Play). Long play mode provides double the recording time of Standard play.

```
   VCR setup
   Clock
   Guide number
   Auto repeat        Off
   VCR Child lock     Off
   Record Speed       SP

   ▲ ▼   : Select
   ◄ ►   : Change
   MENU  : Previous
   EXIT  : Exit
```
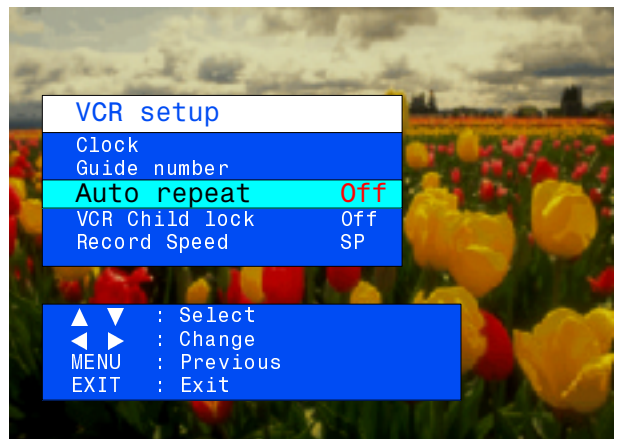
VCR SETUP – CLOCK – DATE AND TIME

The Clock feature allows you to set the time and date

Notes:
The clock will normally be set automatically during Auto setup.
However, if teletext is not clearly received the clock will not be set.

Access Clock

```
Clock
Date   Fri 01 / 01 / 1999
Time        -- : --

▲  ▼   : Select
◀  ▶   : Select
CANCEL : Delete
MENU   : Previous
EXIT   : Exit
```
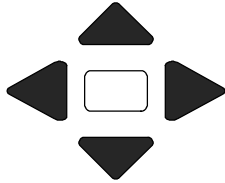
Setting the Date

Move to the Date field.
The digits will be highlighted in pink

Select today's Date

Date field   Month field   Year field

```
Clock
Date   Fri 01 / 01 / 1999
Time        -- : --

▲  ▼   : Change
◀  ▶   : Select
CANCEL : Delete
MENU   : Previous
EXIT   : Exit
```

Setting the Month

Move to the Month field

Select the current Month
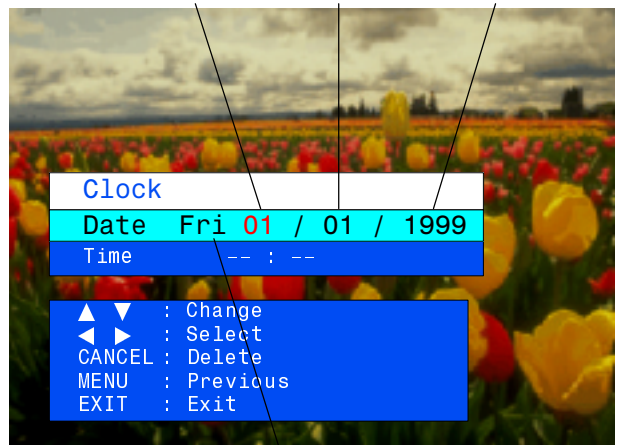
The Day field is set automatically
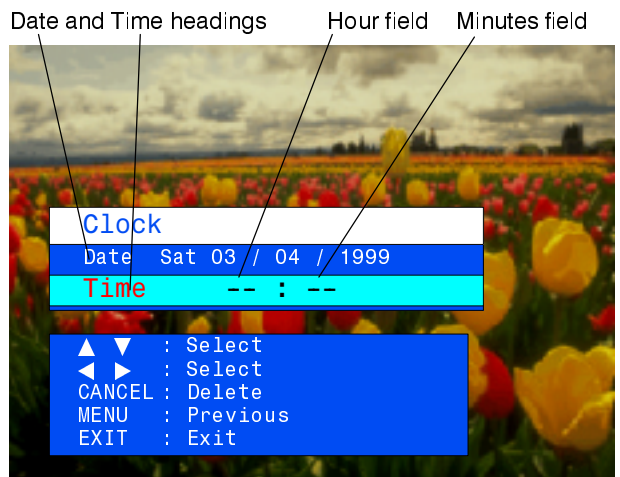
Date and Time headings   Hour field   Minutes field

Setting the Year

Move to the Year field

Select the Year

Move to the Date heading

```
Clock
Date   Sat 03 / 04 / 1999
Time        -- : --

▲  ▼   : Select
◀  ▶   : Select
CANCEL : Delete
MENU   : Previous
EXIT   : Exit
```

Setting the Time

Move to the Time heading

Set the Hours and Minutes

The clock uses the 24 hour time
system, for example:
2:32pm = 14:32.

```
Clock
Date   Sat 03 / 04 / 1999
Time        16 : 30

▲  ▼   : Change
◀  ▶   : Select
CANCEL : Delete
MENU   : Previous
EXIT   : Exit
```

**When Date and Time setting is
complete, press the EXIT button to
return to normal viewing**

EXIT

25

The Guide number menu allows you to enter station guide number information

Notes:

The clock must be set before Guide numbers can be entered. If the clock has not been set, the Clock screen will appear. See page 25 for details.

If you retune the TV−Video, or it is disconnected from the mains power supply for a long period, you will need to re−enter some or all of the Guide number information.

If a satellite receiver is connected to the AV input, set the programme position to AV for satellite channels.

If a satellite receiver is connected to the RF input, set the programme position to VCR for satellite channels.

Each broadcasting station is allocated a unique Guide number. These Guide numbers are used within the Video Plus+ system to determine which station to record. It may be necessary for you to enter which programme position on your TV−Video is tuned to which broadcasting station. You can either enter the details manually, or use a Video Plus+ code to help you.

Guide numbers for each station can be found in many newspapers and listings magazines.

In the following example "StationA" is a TV station allocated Guide number 123, and you have programme position 3 on your TV−Video tuned to "StationA":

Manual entry

Open the Main Menu	MENU	
Move to VCR setup		
Access VCR setup		
Move to Guide number		
Access Guide number		
Press and hold to enter 123		
Move to the Prog. column		
Enter programme position 3		
Press the EXIT button to exit	EXIT	

```
Main Menu
   Contrast
   Brightness
   Colour
   Sharpness
   Timer programming
   TV setup
   VCR setup

   ▲ ▼   : Select
   ◄ ►   : Access
   EXIT  : Exit
```

```
Guide number
   Number    Prog.
    ---        --
 - - - - - - - - - -

   ▲ ▼   : Change
   ◄ ►   : Select
   0-9   : Digit entry
   STR   : Enter
   CANCEL : Cancel digits
   MENU  : Previous
   EXIT  : Exit
```

```
Guide number
   Number    Prog.
    123        3
 - - - - - - - - - -

   ▲ ▼   : Change
   ◄ ►   : Select
   0-9   : Digit entry
   STR   : Enter
   CANCEL : Cancel digits
   MENU  : Previous
   EXIT  : Exit
```
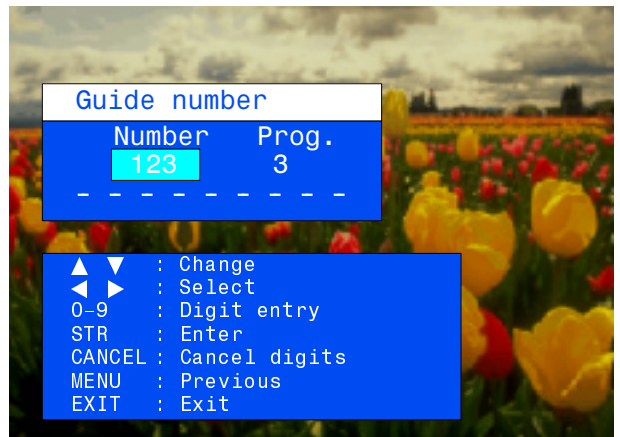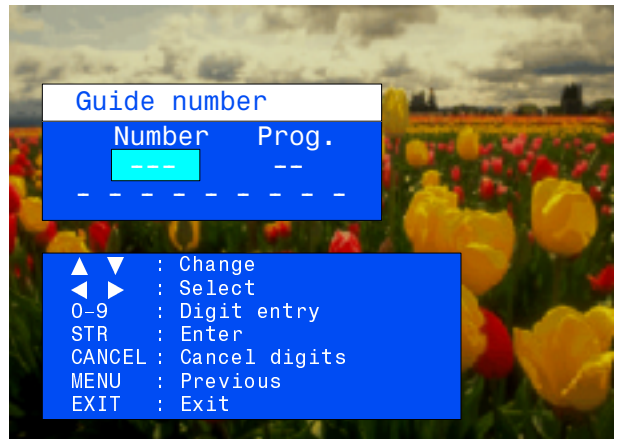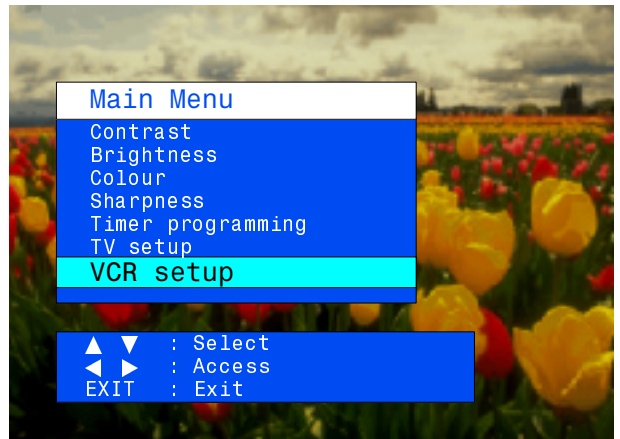
Using a Video Plus+ code

Access Guide number

```
 Guide number
    Number    Prog.
     ---        --
 - - - - - - - - - -

    ▲ ▼  : Change
    ◄ ►  : Select
    0-9   : Digit entry
    STR    : Enter
    CANCEL : Cancel digits
    MENU   : Previous
    EXIT   : Exit
```
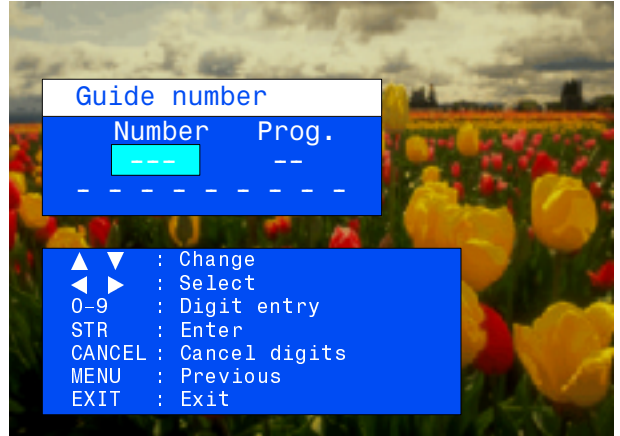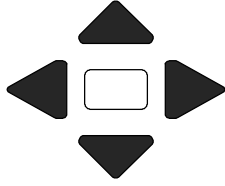
Using the numeric buttons, enter the Video Plus+ number (listed in a magazine or newspaper) for any programme broadcast by "StationA"
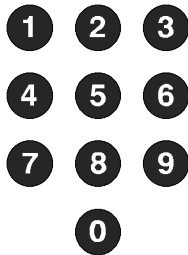
Example: **51567**

Press STR to enter the number

```
 Guide number
    Number    Prog.
     ---        --
 5 1 5 6 7 - - - -

    ▲ ▼  : Change
    ◄ ►  : Select
    0-9   : Digit entry
    STR    : Enter
    CANCEL : Cancel digits
    MENU   : Previous
    EXIT   : Exit
```
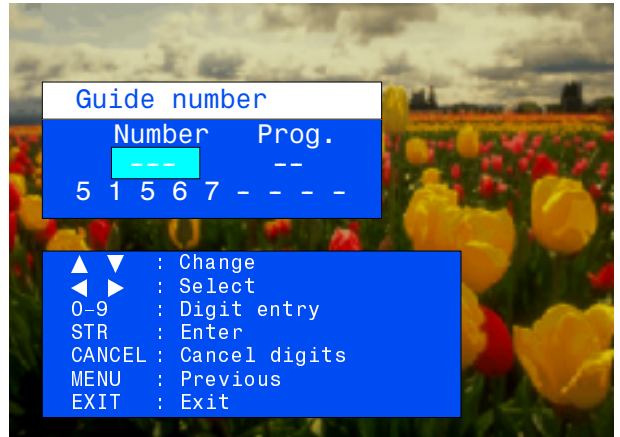
The TV − Video will calculate the Guide number for "StationA" encoded in the Video Plus+ number

Example: **123**

```
 Guide number
    Number    Prog.
     123        --
 5 1 5 6 7 - - - -

    ▲ ▼  : Change
    ◄ ►  : Select
    0-9   : Digit entry
    STR    : Enter
    CANCEL : Cancel digits
    MENU   : Previous
    EXIT   : Exit
```
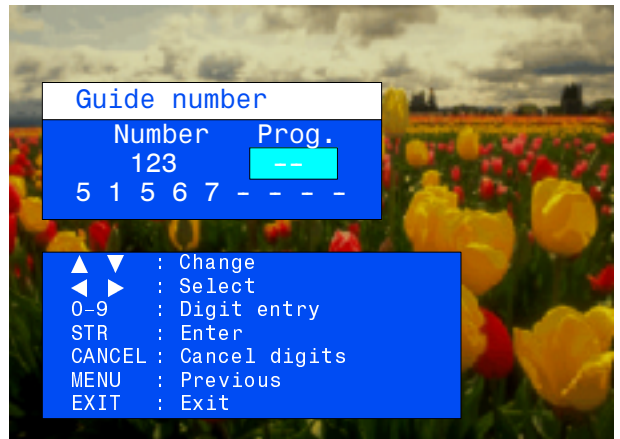
Enter the programme position you have tuned to "StationA"

Example: **3**

Press the EXIT button to exit

```
 Guide number
    Number    Prog.
     123         3
 5 1 5 6 7 - - - -

    ▲ ▼  : Change
    ◄ ►  : Select
    0-9   : Digit entry
    STR    : Enter
    CANCEL : Cancel digits
    MENU   : Previous
    EXIT   : Exit
```

STR

EXIT
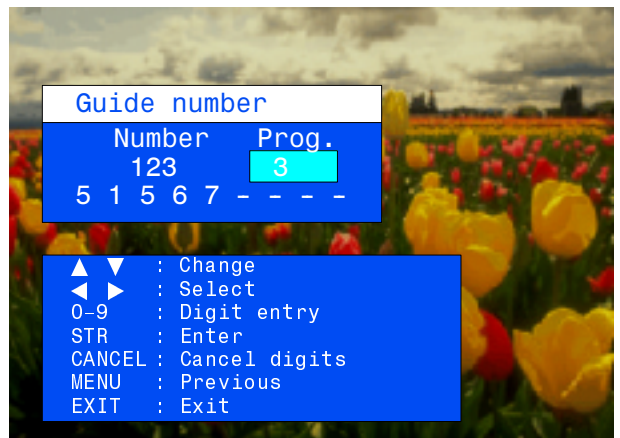
Basic controls

REC (Record)
Press this button to start recording.

TV–Video front panel controls

TRACKING/V–LOCK
Press up or down to remove noise bars during playback, or to remove jitter when in pause mode.

REW
Press to rewind the tape.
In Play mode, press to view the picture rapidly in reverse (Review).

PLAY
Press to playback the tape.

FF
Press to fast forward the tape. In Play mode, press to view the picture rapidly forward (Cue).

STOP
Press to stop the tape.
(Front panel only: Press again to eject the tape).

SV/V+
Video Plus+ button.
Press this button to enter a Video Plus+ code ('PlusCode').

OTR (One Touch Record)
Press to start recording immediately.
Further presses will increase recording duration by 15 minutes. See page 30

TIMER REC
Press to set Timer Recording mode. See page 32

Record buttons
Press simultaneously to start recording immediately. See page 30

Pause
Press in playback mode to freeze the picture. Press again to resume playback.

Pause / Still advance
Press in playback mode to start slow frame–by–frame playback.
Press in pause mode to advance one frame. Press play to resume playback.

RESET
Resets the tape counter to zero.

MONITOR
Press during record mode to view the programme currently being recorded.
Press again to return to the programme you were watching previously.

INDEX
Starts Indexed search mode. See page 36.

VCR INDICATORS

Front panel indicators
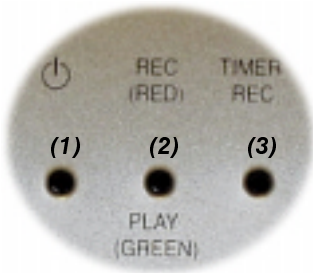
(1) Red: Standby mode.
     Orange: Mains connected, but TV – Video switched off.

(2) Red: Recording.
     Green: Playback.

(3) Orange: Programmed recording entered or Timer Record activated.
     Flashing: No programmed recordings entered.
               No tape inserted.
               Clock not set.

On screen indicators

Status button
Press the Status button to turn on or off the on screen VCR displays

STOP
TV – Video is in Stop mode.

PLAY
TV – Video is in Playback (or slow playback) mode.
Followed by **SP** or **LP** to indicate tape speed.

FAST FORWARD
Tape is currently being wound forwards at high speed.

CUE*
Tape is currently being played forwards at high speed.

FAST REWIND
Tape is currently being wound backwards at high speed.

REVIEW*
Tape is currently being played backwards at high speed.

PAUSE
Tape is currently in pause mode. To protect the tape, after 5 minutes in pause mode the VCR returns to Stop mode.

STILL*
Tape is currently in Still mode.

TAPE ERROR
No tape is inserted or erasure prevention tab is missing.
If attempting to record but the tape's erasure prevention tab is missing, the tape will automatically be ejected.

TIMER RECORDING
A timer recording is currently being made.

MANUAL RECORDING
A manual recording is currently being made.

ONE TOUCH RECORDING
A One Touch recording is currently being made.

EJECT
The tape is being ejected.

INDEX
Index search mode activated or in operation.

* To protect the VCR mechanism and tape, after 5 minutes in these modes, normal playback is resumed.

RECORDING – MANUAL AND ONE TOUCH RECORDING (OTR)

This unit has two tuners, allowing you to watch one programme while recording another. There are several different ways to make a recording, including automatic timer recordings

Manual recording

Insert a video cassette with an intact erasure prevention tab

Press the two remote control record buttons simultaneously (or the front panel REC button)

The current programme position that you are watching will be recorded

Pr 3   ●   REC SP   00 :00 .01

To stop recording press the Stop button

One Touch recording (OTR)

Insert a video cassette with an intact erasure prevention tab

Press the OTR button twice

OTR

The current programme position that you are watching will be recorded for 15 minutes

OTR

OTR   0:30
Prog. 3 CH45

To extend the recording time, press the OTR button repeatedly while the on–screen display is visible. Each press will increase the recording time by 15 minutes. OTR starts 6 seconds after the duration is set.

OTR
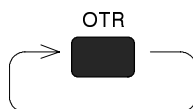
To confirm the time remaining during OTR recording, press the OTR button once.

OTR   0:17
Prog. 3 CH45

To stop OTR recording press the Stop button

Notes:
The TV–Video's two–tuner system allows you to watch one programme position while recording another. During recording, just press the numeric keys **0–9** or the **+/–** buttons. The recording you have started (or imminent Timer recordings) will not be interrupted. Press the **MONITOR** button to return to the programme being recorded (see page 28).
If no tape is inserted, the on–screen TAPE ERROR indicator will be displayed (see page 29).
If the tape does not have an intact erasure prevention tab, it will be ejected automatically when you attempt to record.
The internal VCR cannot record NTSC signals.

Timer programme recording (manual entry)

Timer recordings allow the TV – Video to automatically make a recording in your absence.

Insert a video cassette with an intact erasure prevention tab

Open the Main Menu

MENU

Move to Timer programming

Access Timer programming

Press the STR button to begin programming

STR

Select the Programme position to be recorded

Move to the Date field

Set the Date on which recording is to take place

The current Date and Time are shown on the bottom line of the menu

Move to the Start time Hour field

Set the Start time Hours

Move to the Start time Minutes field

Set the Start time Minutes

Timer programming

Prog.	Date	Start	Stop	PDC	SP LP
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --

03/04/1999 14:32:17

▲ ▼	: Select
STR	: Access
CANCEL	: Delete
MENU	: Previous
EXIT	: Exit

Timer programming

Prog.	Date	Start	Stop	PDC	SP LP
2	--	-- : --	-- : --	Off	SP
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --

03/04/1999 14:32:17

▲ ▼	: Change
◄ ►	: Select
CANCEL	: Delete
MENU	: Previous
EXIT	: Exit

Timer programming

Prog.	Date	Start	Stop	PDC	SP LP
2	17	-- : --	-- : --	Off	SP
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --

03/04/1999 14:32:17

▲ ▼	: Change
◄ ►	: Select
CANCEL	: Delete
MENU	: Previous
EXIT	: Exit

Timer programming

Prog.	Date	Start	Stop	PDC	SP LP
2	17	15 : 00	-- : --	Off	SP
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --
--	--	-- : --	-- : --	--	--- --

03/04/1999 14:32:17

▲ ▼	: Change
◄ ►	: Select
CANCEL	: Delete
MENU	: Previous
EXIT	: Exit

Move to the Stop time Hour field

◀ ▶

Set the Stop time Hours

▲
▼

Move to the Stop time Minutes field

◀ ▶

Set the Stop time Minutes

▲
▼

STR

Press the STR button to Store the timer programme

The cursor bar will move down to the next line. To enter further timer programmes, repeat the steps above

```
Timer programming
                              SP
Prog. Date  Start     Stop    PDC  LP

  2    17   15 : 00   16 : 30 Off  SP
 --    --   -- : --   -- : -- ---  --
 --    --   -- : --   -- : -- ---  --
 --    --   -- : --   -- : -- ---  --
 --    --   -- : --   -- : -- ---  --
                      03/04/1999 14:32:17

 ▲  ▼   : Change
 ◀  ▶   : Select
 CANCEL : Delete
 MENU   : Previous
 EXIT   : Exit
```

```
Timer programming
                              SP
Prog. Date  Start     Stop    PDC  LP

  2    17   15 : 00   16 : 30 Off  SP
 --    --   -- : --   -- : -- ---  --
 --    --   -- : --   -- : -- ---  --
 --    --   -- : --   -- : -- ---  --
 --    --   -- : --   -- : -- ---  --
                      03/04/1999 14:32:17

 ▲  ▼   : Select
 STR    : Access
 CANCEL : Delete
 MENU   : Previous
 EXIT   : Exit
```

When programming is complete:

EXIT

Press the EXIT button to return to normal viewing.

You will be reminded to press the TIMER REC button

```
Press TIMER REC key to start
Timer Recording
```
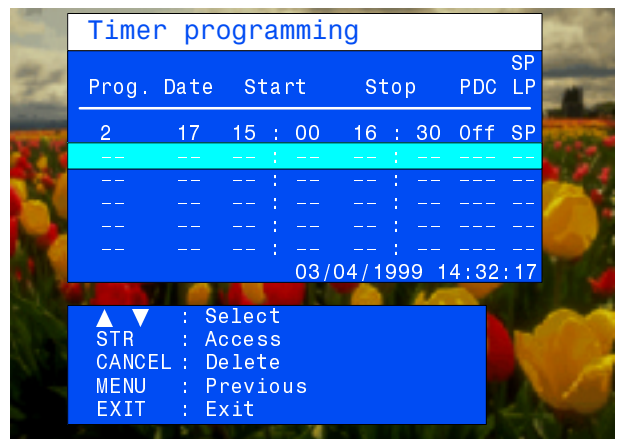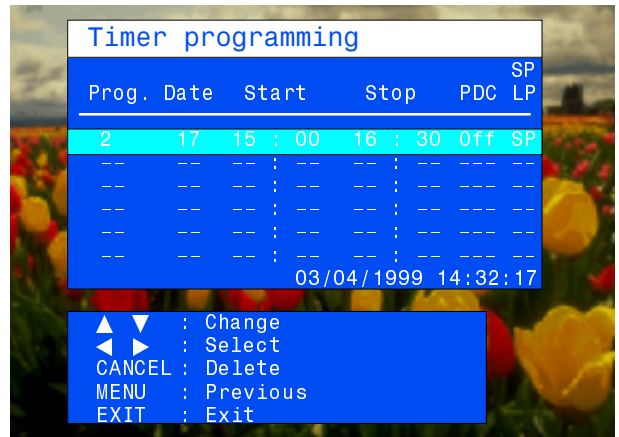
TIMER REC

Press the TIMER REC button to activate Timer Recording

Notes:

The clock must be set before Timer recordings can be entered. If the clock has not been set, the Clock screen will appear. See page 25 for details.

If no tape is inserted, the on–screen TAPE ERROR indicator will be displayed (see page 29).

If the tape does not have an intact erasure prevention tab, it will be ejected automatically when you press **TIMER REC**.

To clear a timer programme, select it with the cursor bar and press the **CANCEL** button.

To edit a previously entered timer programme, select it with the cursor bar and press the **STR** button.

To stop a timer recording already in progress, press the **TIMER REC** button.

RECORDING – VIDEO PLUS+ RECORDING

Video Plus+ recording

Programming is now easier than ever: simply enter the PlusCode provided in newspapers and TV listings magazines. PlusCodes are numbers which are assigned to each programme. When these codes are entered and **STR** is pressed, the numbers are converted into timer recording details.

Video Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The Video Plus+ system is manufactured under licence from Gemstar Development Corporation.

Press the SV/V+ button

SV/V+

```
           VIDEO PLUS

  - - - - - - - -

            03/04/1999 14:32:17


     0-9: Digit entry
  CANCEL: Cancel entry
     STR: Enter
   SV/V+: Exit
```

Input the Video Plus+ code using the numeric buttons

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⓪

```
           VIDEO PLUS

  7 4 5 7 - - - - -

            03/04/1999 14:32:17


     0-9: Digit entry
  CANCEL: Cancel entry
     STR: Enter
   SV/V+: Exit
```
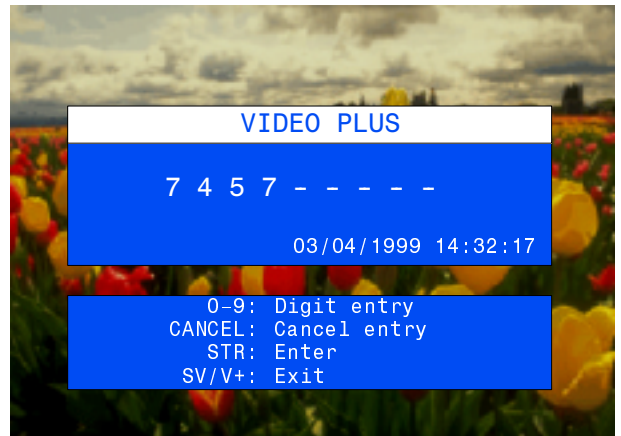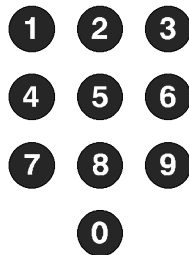
Press STR to enter the code

STR

Confirm the details are correct and press STR to save them

STR

Press the EXIT button to return to normal viewing.

EXIT

You will be reminded to press the TIMER REC button

```
           VIDEO PLUS
   7 4 5 7 - - - - -
                            LP
  Prog. Date Start  Stop   PDC  SP
  6     06   23:30  00:00  Off  SP
            03/04/1999 14:32:17


   ▲ ▼: Select
   ◄ ►: Select
  CANCEL: Cancel entry
     STR: Next entry
   SV/V+: Exit
```

Press the TIMER REC button to activate Timer Recording

TIMER REC

Other recording functions

Access the Timer programming screen (see page 31).

MENU
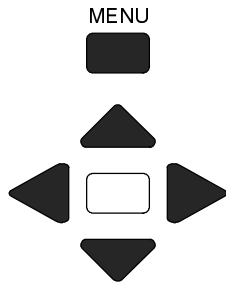
Daily recordings

While in the Date field, select the **Day** option.
The VCR will now record at the same time each day.

```
Timer programming
                                    SP
Prog. Date   Start     Stop    PDC LP

  2      Day  -- : --   -- : --  Off SP
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
                         03/04/1999 14:32:17

 ▲ ▼    : Select
 ◄ ►    : Access
 CANCEL : Delete
 MENU   : Previous
 EXIT   : Exit
```
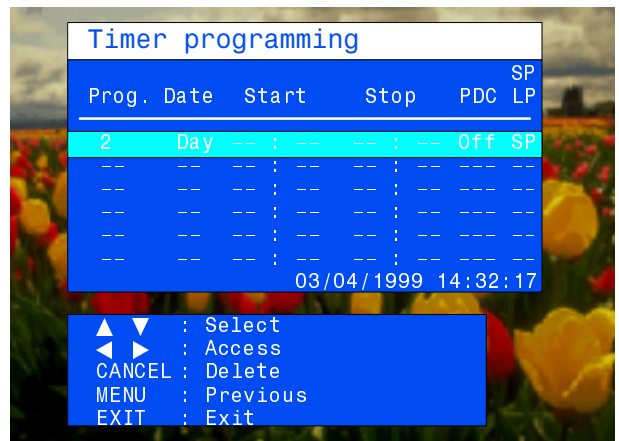
Weekly recordings

While in the Date field, select **Sun**, **Mon**, **Tue**, **Wed**, **Thu**, **Fri** or **Sat**.
The VCR will now record at the same time on the same day each week.

```
Timer programming
                                    SP
Prog. Date   Start     Stop    PDC LP

  2      Tue  15 : 00   16 : 30  Off SP
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
                         03/04/1999 14:32:17

 ▲ ▼    : Select
 ◄ ►    : Access
 CANCEL : Delete
 MENU   : Previous
 EXIT   : Exit
 STR    : Store
```
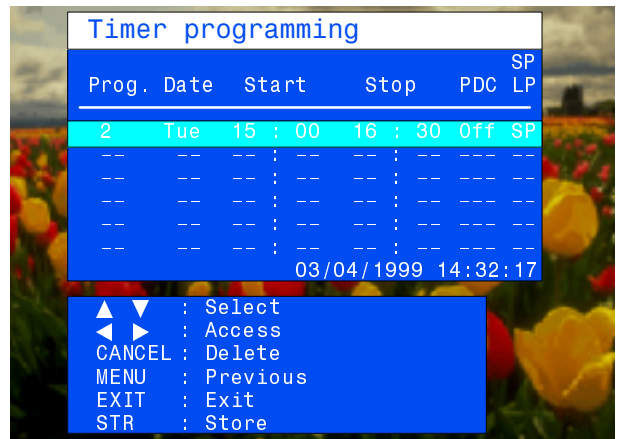
SP/LP selection

You can select **SP** (Standard play) or **LP** (Long play) for each recording. This option overrides the default **Record Speed** setting in the VCR setup menu. Picture quality in LP mode is slightly inferior to SP mode.

```
Timer programming
                                    SP
Prog. Date   Start     Stop    PDC LP

  2      17   15 : 00   16 : 30  Off LP
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
 --      --   -- : --   -- : --  -- --- --
                         03/04/1999 14:32:17

 ▲ ▼    : Select
 ◄ ►    : Access
 CANCEL : Delete
 MENU   : Previous
 EXIT   : Exit
 STR    : Store
```
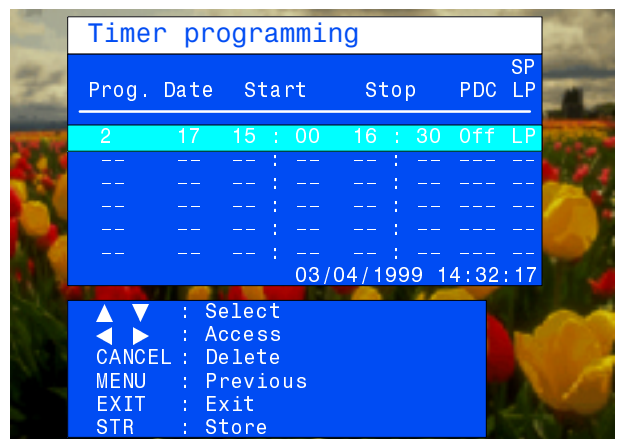
PDC is a signal system transmitted by TV broadcasters to control the start and stop time of each programme. This signal is used by the TV – Video to control the start and stop times of programmed timer recordings. PDC is particularly useful when the broadcaster changes the time for a programme from the published time; the TV – Video's timer recording start and stop time will be controlled by the broadcaster. Recording can also be interrrupted by the broadcaster (for a "news flash" for example) and resumed when the programme restarts.

PDC mode will be automatically set to Off when timer programmes are entered using the manual entry method. You can still set the PDC function to On, but you must ensure that the start time is set to exactly the same as the published start time. If the start time is entered incorrectly, the recording will not start.

PDC recording will start a few seconds before the scheduled programme is transmitted and may stop before or after the end of the programme, controlled by the broadcaster.

If PDC is set to On for a station which does not transmit PDC signals, the TV – Video will perform normal timer recording.

Where multiple timer programmes have been entered, while the TV – Video is in Timer Rec mode it will periodically check PDC status for each programme, for changes to the start time. However, while timer recording is in progress, only the status of the current timer programme can be checked.

If the actual broadcasting times of Timer recordings overlap (regardless of whether they are PDC controlled) the recording that starts first has priority. Recording of the later programme will only start once the first recording has finished.

When the position of a broadcasting station has been changed in the Programme edit menu, the programmed recording may not be performed correctly when PDC is On.

Example: Programme transmission is delayed by 15 minutes from 20:00 to 20:15

PDC Start signal   PDC Stop signal

19:00   19:30   20:00   20:30   21:00   21:30   22:00   22:30

Actual transmission time

Scheduled transmission time

Programmed Start time   Programmed Stop time

Recording is controlled by PDC signals, correctly recording delayed transmission
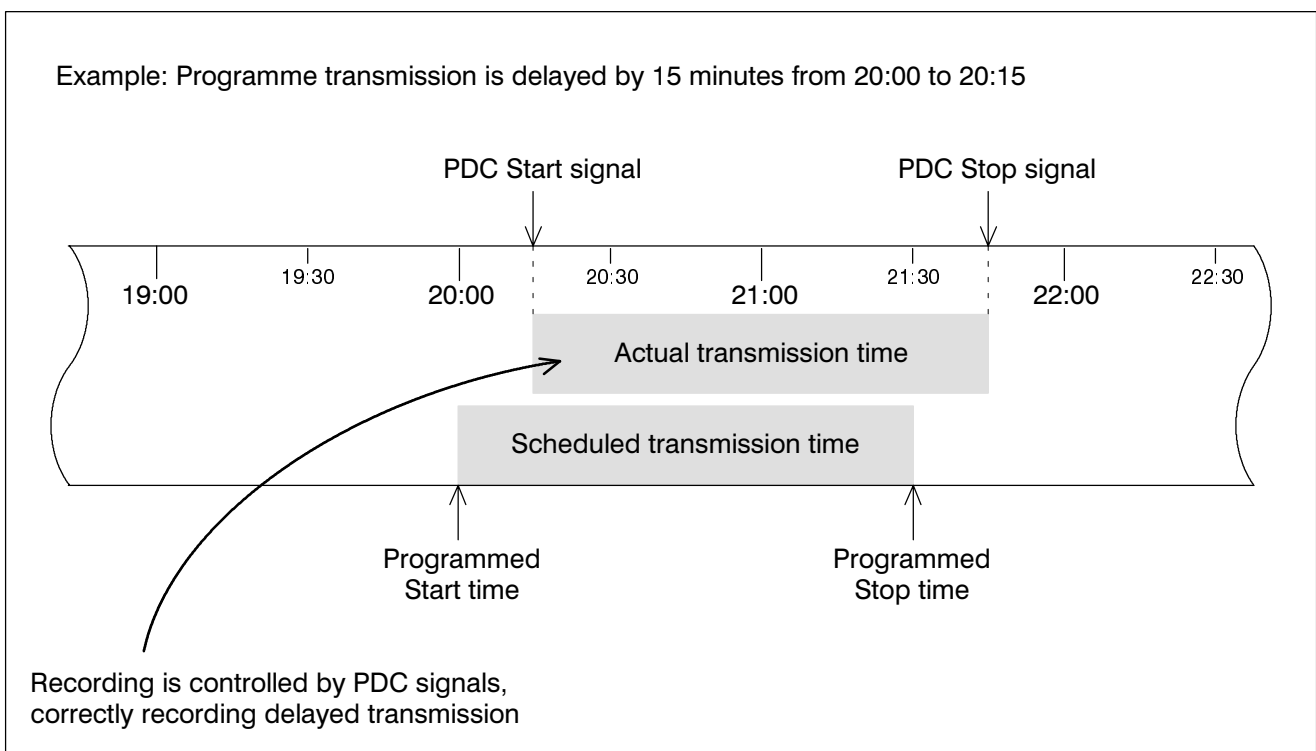
RECORDING – INDEX

Index function

Index markers are electronic signals recorded onto the tape at the beginning of each recording.
They can be used in conjunction with the Index function to quickly locate the beginning of a recorded program.

Recorded index markers

Tape

Recording 1 . . . .

Recording 2 . . . . . .

Start of first recording

Start of second recording
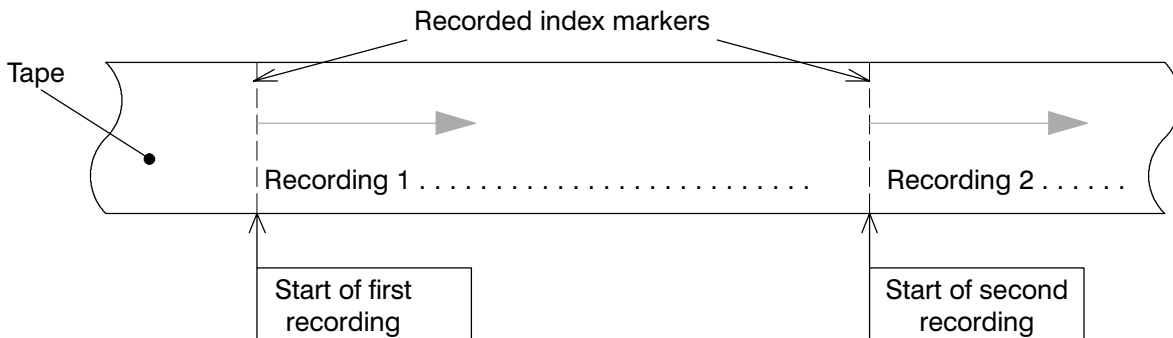
For example, in the diagram above, if Recording 2 is currently being played back and you wish to search for the beginning of Recording 1:

Press the INDEX button

INDEX

➦ INDEX SEARCH 1

Press the Rewind button twice

The Index counter at the top of the screen will show **02**

◀◀ REW ➦02

01:10.25

The VCR will start to rewind in search mode.

First, the index marker at the start of the second recording will be found, and the Index counter will reduce to **01**.

The index marker at the start of the first recording will then be found and playback will be restarted.

Notes:
Pressing the record button while already recording will cause another index marker to be recorded at the current position.

To allow the Index function to operate correctly, leave at least five minutes between index markers.

The Index function can be operated while in Stop mode or Playback mode, in either forward or backward directions.

TELETEXT OPERATION

- Teletext features may vary depending on the Broadcasting Companies and are only available if the channel selected is transmitting Teletext.

- Pressing the MENU button whilst in Teletext operation will display the contrast function with a cyan bar, press ◄ ► to alter the setting as required.

- When in Teletext mode, the volume may still be altered to the desired listening level.

What is FASTEXT?

In FASTEXT mode, four differently coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, press the appropriately coloured button. This facility enables fast access to information on the subjects shown.

TV/TEXT

TV / Teletext mode

Press the **TV/TEXT** button.
The screen will display the Teletext page.
Press again when you wish to return to TV mode.
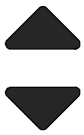
Page Selection

Pages can be selected in two ways :
a. Press the up / down buttons to increase or decrease the page number by one.
b. By entering the page number, using **0 – 9** on the remote control.

F/T/B

Full / Top / Bottom

Press the **F/T/B** button repeatedly to enlarge parts of the screen

---

REVEAL

Reveal

Press the **REVEAL** button to reveal hidden words e.g. quiz page answers.
Press again to hide.

Red / Green / Yellow / Blue multi function buttons

In FASTEXT mode these correspond to the differently coloured subjects.

It is not possible to change the programme position when in News flash, Update or Sub Coded Page Access operation.

HOLD

Hold

To freeze the Teletext page when viewing multi–page information.
Press again to return to automatic page update.

TIME TEXT

Sub Coded Page Access

When teletext information exceeds one page, it may take some time for the automatic changing of the sub–pages to reach the sub–page you require.
It is possible to enter the required sub–page and skip the pages in between.

Select the required page number using the **0 – 9** buttons.

Press **TIME TEXT.**

Press the red or green multi–function buttons or the numeric keys **0 – 9** to select the required sub–page.

For example, to select sub–page 3:
Press **TIME TEXT**, **0**, **0**, **0**, **3**.

When the page is found, it will be displayed.

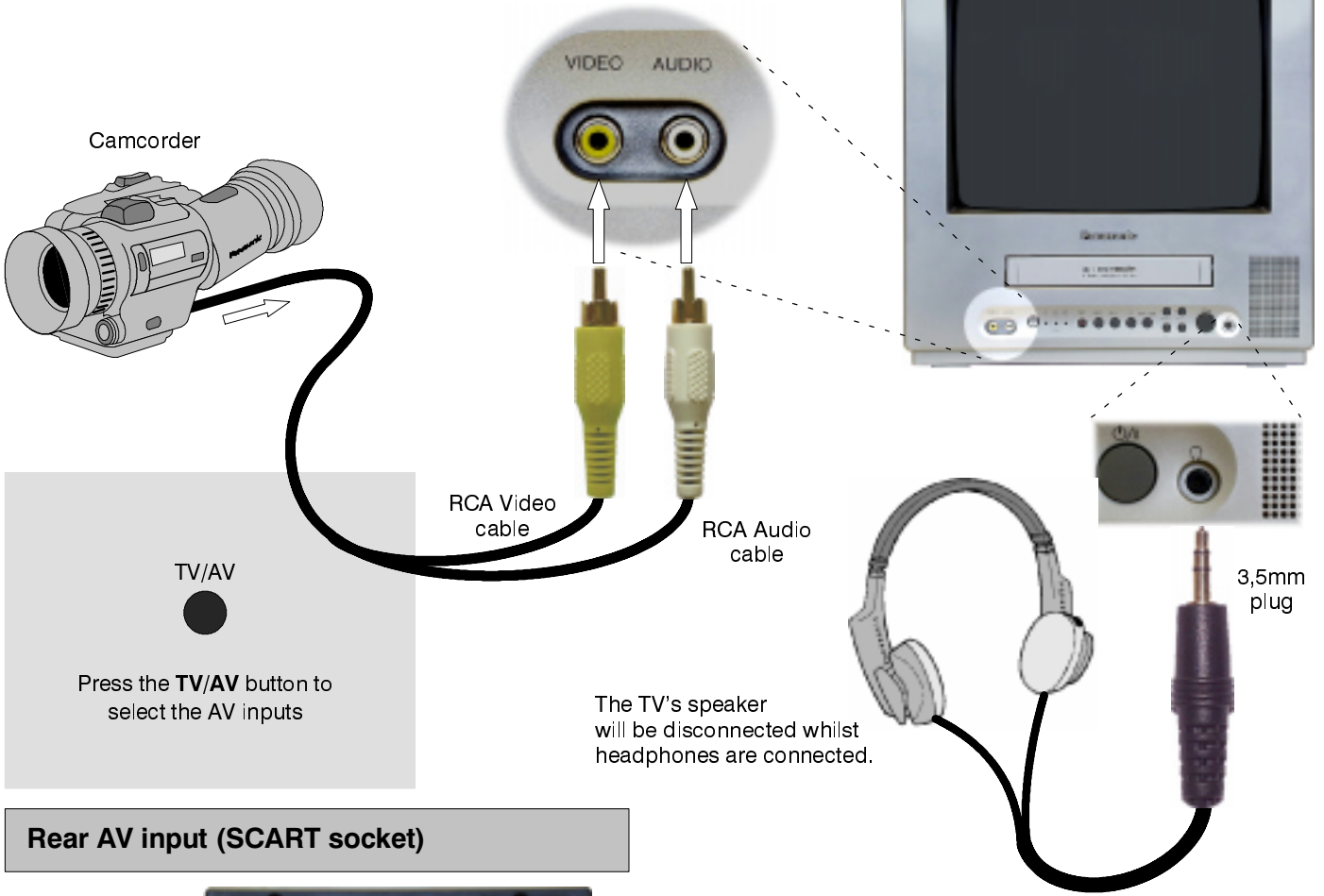Press **TV/TEXT** to exit Teletext operation:

INDEX

Index

When in FASTEXT operation
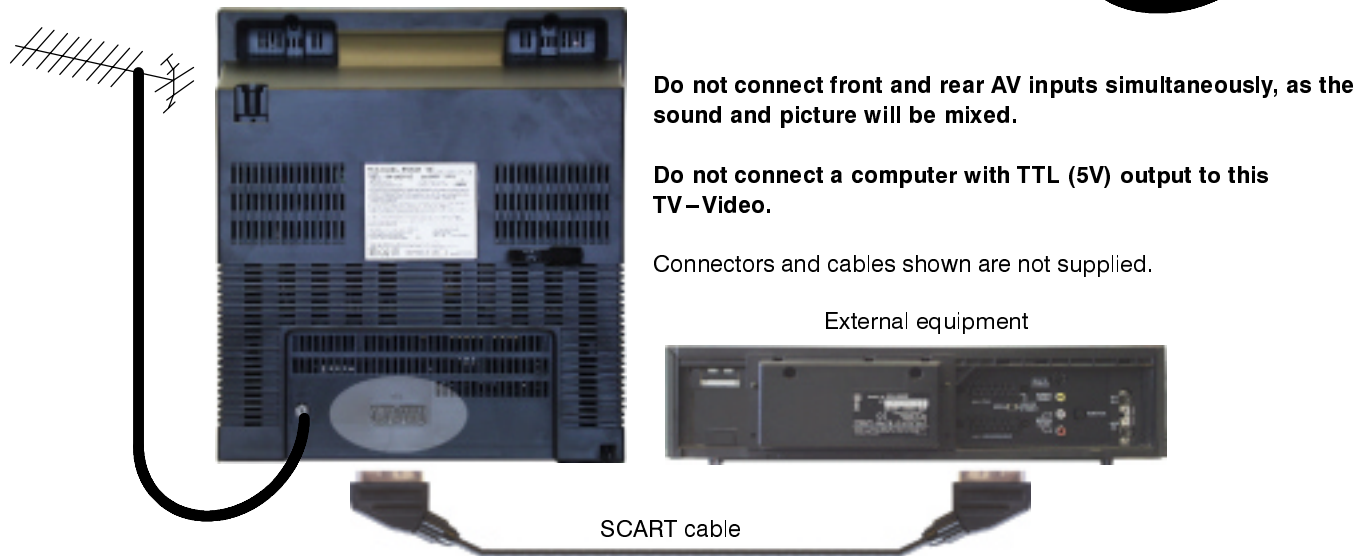Press **INDEX** to return to the main index page.
Depending on the way information is transmitted, this may have to be pressed more than once to return to the main index page.

CONNECTIONS

Front AV inputs and headphone socket

Camcorder

VIDEO   AUDIO

TV/AV

Press the **TV/AV** button to select the AV inputs

RCA Video cable

RCA Audio cable

The TV's speaker will be disconnected whilst headphones are connected.

3,5mm plug

Rear AV input (SCART socket)

Do not connect front and rear AV inputs simultaneously, as the sound and picture will be mixed.

Do not connect a computer with TTL (5V) output to this TV – Video.

Connectors and cables shown are not supplied.

External equipment

SCART cable

SCART socket information

1	Audio Out	2	Audio In (R)
3	Audio Out	4	Audio Earth
5	Blue Earth	6	Audio In (L)
7	Blue In	8	Status CVBS
9	Green Earth	10	[Not Connected]
11	Green In	12	[Not Connected]
13	Red Earth	14	Earth
15	Red In	16	Status RGB
17	CVBS Earth	18	RGB Status Earth
19	CVBS Out (video)	20	CVBS In (video)
21	Socket Earth		

20 18 16 14 12 10 8 6 4 2

21 19 17 15 13 11 9 7 5 3 1
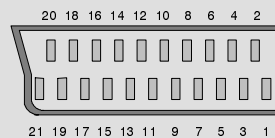
TROUBLESHOOTING

General problems

Symptoms	Checks
Multiple images, normal sound	Aerial location, direction or connection
No colour, normal sound	Colour controls set at minimum levels
Coloured patches, normal sound	Magnetic interference from unshielded equipment. TV – Video moved while switched on. Switch TV – Video off for 30 minutes
Snowy picture, noisy sound	Aerial location, direction or connection
Picture interference, noisy sound	Electrical appliances, cars / motorcycles, fluorescent lights
Poor or distorted picture, weak or no sound	Retune programme positions
Normal picture, no sound	Volume level or sound muted
No picture, no sound	TV – Video set to AV mode Not plugged into a.c. outlet or not switched on Picture and Sound controls set at minimum levels TV – Video is in standby mode
Remote control does not work	Batteries are exhausted or fitted incorrectly You are too distant from the TV – Video – move within 5 metres Sensor on TV – Video front panel is obstructed Sensor is exposed to strong sunlight or fluorescent light
There is no picture when in AV mode	Equipment connected to the AV inputs is not switched on or producing a signal

VCR related problems

Symptoms	Checks
The cassette is ejected immediately after insertion	If DEW CONDENSATION is displayed on screen, wait until indication has disappeared
Normal recording mode cannot be started	No tape is inserted, recording is already in progress
Tape is ejected when attempting to record or when TIMER REC is pressed	The tape has had its erasure prevention tab removed. Use a cassette with the erasure prevention tab intact
Timer recording mode cannot be activated	Current date and time have not been set. Start end times have not been set correctly. TIMER REC has already been pressed.
Poor picture quality during playback	Tape has been used many times or is damaged. Tracking has been adjusted incorrectly. Adjust tracking. Video heads are dirty. Use a video head cleaning tape.
Tape counter does not advance during playback.	An unrecorded section of tape is being played back.

■ Service

Before requesting service, please refer to the troubleshooting guide above to determine the symptoms. To obtain service please contact your local Panasonic dealer quoting the model number and serial number (both are located at the rear of the TV – Video).

■ TV Games / Home Computers

Extended use of TV games or home computers with any television set can cause a permanent 'shadow' on the screen. This type of irreversible picture tube damage, can be limited by observing the following points:

- Reduce the brightness and contrast levels to a minimum viewing level.

- Do not operate the TV – Video for a continuous period of time while using TV games or home computers.

- This type of picture tube damage, is not an operating defect, and as such is not covered by the Panasonic warranty.

■ Sleep Feature

If the set is not switched off when the TV station stops transmitting , it will automatically go to standby mode after 30 minutes. This function will not operate when the TV – Video is in AV mode.

■ Last Position Memory

Certain functions have a last position memory, i.e. the setting at the time of switch – off will be the setting used when the receiver is switched on again: –

Contrast	Brightness
Colour	Sharpness
Programme position	Timer programme data
Auto repeat	Tape Speed
VCR Child Lock	

SPECIFICATIONS

		TX−21GV1	TX−14GV1
Power Source		220 − 240V 50Hz a.c.	
Power Consumption		69W	54W
Standby Consumption		3W	
Picture Tube Visible Diagonal		51 cm	34 cm
Audio Output Music Power		Left / Right 1,5W x 2	2W
Dimensions	H W D	532.0 mm 514.0 mm 485.2 mm	396.5 mm 386.0 mm 367.5 mm
Weight (Kg)		24	13
Receiving Systems/ Band name		PAL I UHF E21−68 PAL 525/60 Playback of NTSC tape from some PAL Video recorders (VCR) M.NTSC Playback from M.NTSC Videorecorders (VCR) NTSC (AV input only) Playback from NTSC Videorecorders (VCR)	
Aerial − Rear		UHF / VHF	
Headphones − Front		3.5mm, 300Ω impedance, mono	
AV − Rear		**AV** − 21 pin terminal − Audio / Video in / out, RGB in	
AV − Front		**AV −** 1 x RCA Video in, 1 x RCA Audio in	
		− VCR section −	
Tape format		VHS	
Tape speed		SP : 23.39mm/sec LP : 11.70mm/sec	
TV system		PAL colour and CCIR monochrome signals, 625 lines, 50 fields	
Record / playback time		SP : 180min. (with E−180 tape) LP : 360min. (with E−180 tape)	
Fast forward / rewind time		Approx. 2 min, 30sec (with E−180 tape)	
Video recording system		Rotary 4−head helical scan with a slant double azimuth combination video head	
Audio track		Longitudinal track	
Modulation system		Luminance: FM azimuth recording Colour signal: converted subcarrier phase shift recording	

Specifications are subject to change without notice. Weight and dimensions shown are approximate.

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VIDEO*Plus+* Recording System

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