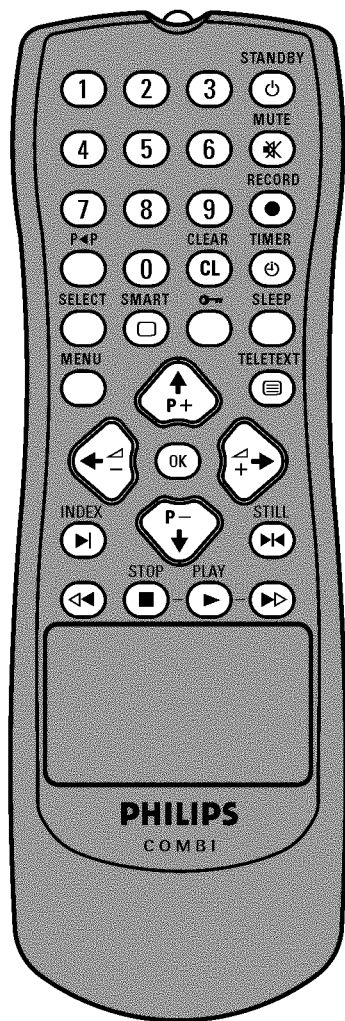


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OPERATING INSTRUCTIONS IN BRIEF

The remote control



[0..9] **Number buttons:** 0 - 9

[STANDBY] **Standby:** Turn machine off, cancel current function.
Press for more than 3 seconds: cancel current recording

[MUTE] **Volume off:** To switch the volume on or off

[RECORD] **Record:** To record the programme selected

[P<P] **Previous programme number:** To select the respective previously selected programme number

[CLEAR (CL)] **Delete:** Delete last entry (data)

[TIMER] **TIMER:** To programme recordings or to alter/clear programmed TIMER recordings

[SELECT] **Red button / select functions:** e.g.: in the Timer overview

[SMART] **Green button / No function**

[Yellow button] **Yellow button / No function**

[SLEEP] **Blue button / sleep timer:** to select the switch-off time in 15 minutes intervals

[MENU] **Menu:** To call up or close the main menu

[TELETEXT] **No function**

[↑P +] **Select:** Next programme number / in the menu: next line

[↓P -] **Select:** Previous programme number / in the menu: previous line

[←/→-] **Select:** Reduce volume / in the menu: to the left or to select settings/values

[←/+→] **Select:** Increase volume / in the menu: to the right or to select settings/values

[OK] **Store/Confirm:** To store or confirm entry

[INDEX ▶] **Index search:** Search for the previous/next recording code on the tape in combination with **[◀◀]** / **[▶▶]**

[STILL ▶▶] **Still picture:** Stop the tape and show the current picture as a still picture

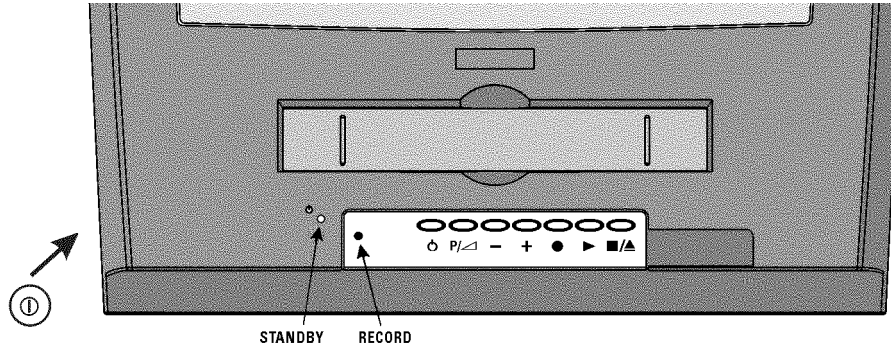
[◀◀] **Rewind:** During STOP or STANDBY: rewind, during PLAYBACK: reverse picture search











[STOP ■] **Pause/Stop:** Stop the tape, except with programmed recordings (TIMER)
Press for more than 3 seconds, eject tape

[PLAY ▶] **Playback:** To play a recorded cassette

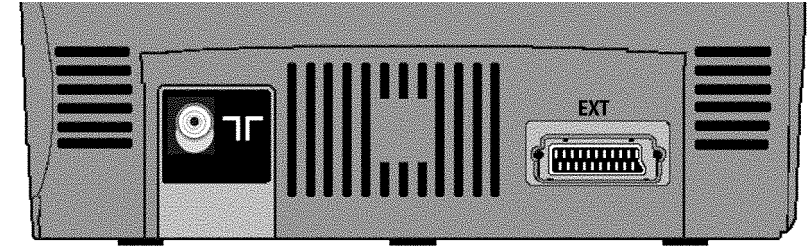
[▶▶] **Forward wind:** During STOP or STANDBY: forward wind, during PLAYBACK: forward picture search



Front of the set





-  **Netzschalter:** To switch off the machine
Caution: If you switch off using the power switch, TIMER-recordings are not possible!
-  **Standby :** Switch machine off, cancel current function.
Press for more than 3 seconds: cancel current recording
-  **Volume:** In connection with the button ,  to regulate the volume
-  **Programme number minus:** previous programme number
-  **Programme number plus :** next programme number
-  **Record:** To record the programme currently selected
-  **Playback:** To play a recorded cassette
-  **Pause/Stop, eject cassette:** To stop the tape; when STOP is pressed, the cassette will be ejected from the machine

Back of the set



-  **Aerial input socket:** To connect the aerial cable
-  **Scart socket:** To connect a satellite receiver, decoder, video recorder, etc.

The control lights at the front of the machine

- STANDBY  **Standby light:** lights up when the TV-Video Combi has been switched on by means of the main switch; it blinks when a button is pressed on the remote control
- RECORD  **Recording light:** lights up during recording, Timer recording; blinks when timer recording is unable to start










OPERATING INSTRUCTIONS PHILIPS 14PV110/07

Thank you for buying a PHILIPSTV-Video Combi. The 14PV110/07 is one of the most sophisticated and simple-to-use TV video recorders (TV-Video Combi) on the market. With this device you can record and play VHS-standard cassettes.



Please take the time to read this operating manual before using your set.

Safety instructions and other notes

-  **Danger: High voltage! Do not open!**
There is a risk of an electrical shock!
-  The machine does not contain any components that can be repaired by the customer. When the TV-Video Combi is connected to the power supply there are some components that are constantly operational. To switch off the TV-Video Combi completely you must switch it off with the power switch.
-  Make sure that air can circulate freely through the ventilation slots on the machine. We recommend to leave approx. 5 cm of space all around your machine to ensure proper ventilation.
-  Make sure that no objects or liquids enter the machine. If liquid is spilt into it, immediately disconnect the machine from the power supply and call the After-sales Service for advice.
-  The machine should **not be brought into a warm room** directly following a transport from a cold room or vice versa. Also, do not use machine in extremely high humidity conditions. After unpacking the TV-Video Combi, it should be allowed to **acclimatise for at least three hours** before installation.
-  These operating instructions have been printed on non-polluting paper.
-  Deposit old batteries at the respective collection points.
-  Please make use of the facilities available in your country for disposing of the packaging in a way that helps to protect the environment.
-  This electronic equipment contains many materials that can be recycled. Please inquire about the possibilities for recycling your old set.

So that you can identify your machine in the event of theft, enter the serial number here. You will find this serial number (PROD.NO:) on the model plate at the back of the machine:

MODEL NO. 14PV110/07

PROD.NO:

This product complies with the requirements of the Directive 73/23/EEC + 89/336/EEC + 93/68/EEC.

Interference

The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and ITC programmes where these are being spoilt by interference. If your dealer cannot help, ask at a Main Post Office for the booklet 'How to Improve Television and Radio Reception'.



Technical information

- Voltage :** 198-264V/ 50Hz
- Power consumption :** 48W
- Power consumption (Standby):** less than 6W
- Measurements in cm (W/H/D):** 36.9/40.1/37.2
- Weight without packaging in kg:** 12.6
- Winding time:** Forward/rewind approx. 260/170 seconds (Cassette E-180)
- Number of video heads:** 2
- Recording/Playback time: 4 Hours** (Cassette E-240)
- 8 Hours (LP)** (Cassette E-240)

List of accessories

- Operating instructions
- Remote control and batteries

Emergency interrupt

The machine and the remote control have an 'emergency interrupt'. You can use the button  to interrupt any function. If you want to interrupt a running recording, hold the  button for several seconds. Every time you are having operating problems, you can just interrupt the function and start again. You can practise operating your set without any worries. No matter which buttons you press, you cannot damage the machine in any manner.

Special functions on your TV-Video Combi



Philips has developed a system which produces the best possible playback quality. The interferences are reduced in old, frequently used video cassettes. The details are enhanced with very good cassettes.



When you have plugged your TV-Video Combi into the mains, you will be welcomed with an OSD picture. All you have to do is follow the instructions in the "intelligent help line" for the next step. Enjoy the automatic channel search/store.

LongPlay

The tape speed for the recordings is cut in half, thus you can record 8 hours onto a 4-hour-cassette. For playback, the correct recording speed will automatically be selected.

NTSC PLAYBACK

With this set you can playback cassettes that have been recorded on another video recorder in the NTSC standard (for example, American cassettes). Switching between the different TV Systems takes place automatically.

SleepTimer

The TV-Video Combi shuts itself off automatically after a certain pre-programmed time period has elapsed (max. 4 hours). Sleep timer settings can be programmed in steps of 15 minutes each.

1. CONNECT THE TV-VIDEO COMBI


Important for the United Kingdom

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- 1 Remove fuse cover and fuse.
- 2 Fix new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
- 3 Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.


 Note: * The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

How to connect a plug:

The wires in the mains lead are coloured in accordance with the following code:

BLUE - 'NEUTRAL' ('N')

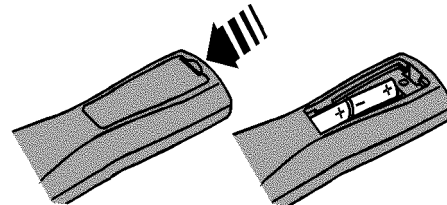
BROWN - 'LIVE' ('L')

- 4 The BLUE wire must be connected to the terminal which is marked with the letter 'N' or coloured BLACK.
- 5 The BROWN wire must be connected to the terminal which is marked with the letter 'L' or coloured RED.
- 6 Do not connect either wires to the earth terminal in the plug which is marked with the letter 'E' or by the safety earth symbol  or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not imply over the two wires.

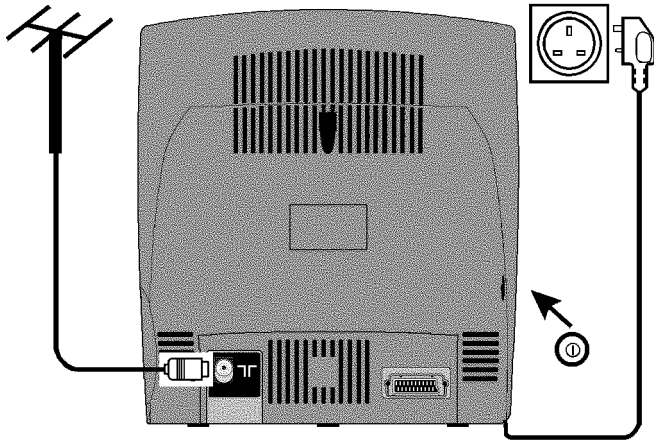
Placing the batteries in the remote control




- 1 Open up the battery compartment of your remote control and place the batteries in it as shown in the picture.

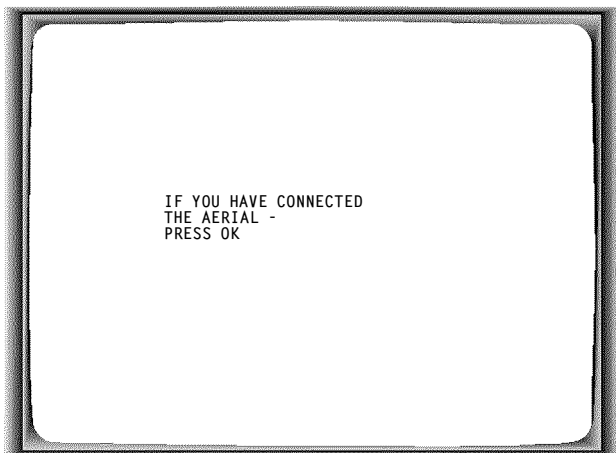


- 2 Close the battery compartment.

Connecting the cables




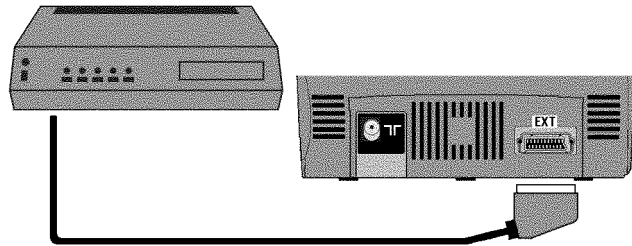
- 1 Insert the aerial plug into the  socket.
- 2 Insert the plug of the mains cable into the wall socket.
- 3 If the little red standby light (STANDBY ) at the front panel of the set is not lit, please switch on the set using the main power switch. The power switch  is located on the left side panel of the set.
This text will appear on the TV screen.




- 4 Then, read the section 'Initial installation' in the chapter 'INSTALLING YOUR VIDEO RECORDER'.

Connecting a decoder or other equipment

You can also connect additional equipment to the  socket; for instance, a decoder, satellite receiver or camcorder.

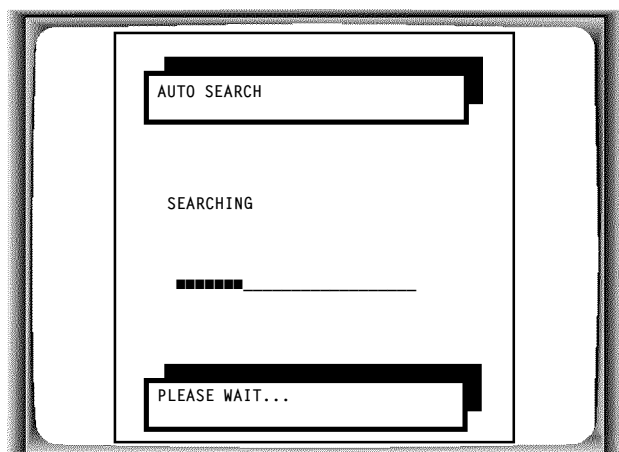


-  The respective scart socket is usually marked 'AV' or 'VCR' on the decoder or satellite receiver.

2. INSTALLATION

Initial installation

- 1 After you have connected the aerial, confirm the picture on the TV screen with **[OK]** on the remote control. The automatic TV channel search starts. This picture will appear on the screen:



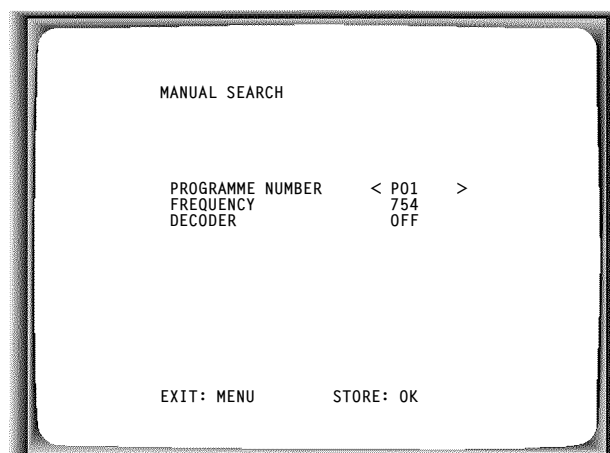
Wait until all TV channels have been found. This can take several minutes.

- 2 When the TV channel search is complete, 'STORED' will briefly appear on the TV screen. The initial installation is now complete.
 - i Check the time and date. Please read 'Setting the time and date' in this chapter.
 - i If you have connected a satellite receiver, please read the section 'satellite receiver'.
 - i If you have connected a decoder, you must install it as described in the next section.

Allocating a decoder

Some TV stations will send coded TV channels, that you can only watch when you use a purchased or hired decoder. You can connect such a decoder (descrambler) to your TV-Video Combi. With the following function, the connected decoder will automatically be activated for the TV channel you want to watch.

- 1 Select the TV channel for which you want to use the decoder with the **[↑P +]**, **[↓P -]** button on the TV-Video Combi or the number buttons **[0..9]** on the remote control.
- 2 Press the **[MENU]** button on the remote control. The main menu will appear.
- 3 Select the line 'MANUAL SEARCH' with the menu buttons **[↑P +]** or **[↓P -]** and confirm with the **[↙+→]** button.

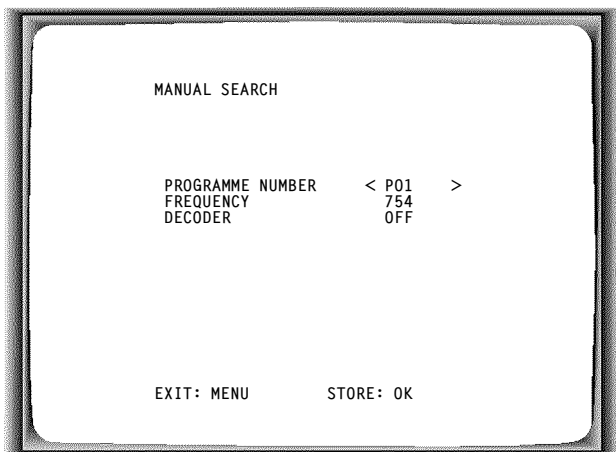


- 4 Select the line 'DECODER' with the menu buttons **[↓P -]** or **[↑P +]**.
- 5 Select 'ON' with the menu buttons **[←↙-]** or **[↘+→]**.
 - i When you select 'OFF', the decoder will not be allocated.
- 6 Confirm with the **[OK]** button.
- 7 To end, press the **[MENU]** button. Your decoder has now been allocated to this TV channel.

Manual TV channel search

In certain cases the 'Automatic TV channel search' may not be able to find all of the TV channels (e.g. coded TV channels). In that case, use this manual method to set the channels.

- 1 Press the **MENU** button on the remote control. The main menu will appear.
- 2 Select the line 'MANUAL SEARCH' with the **↓P -** or **↑P +** button and confirm with the **↙+→** button.



- 3 In the line 'PROGRAMME NUMBER', select the function with the buttons **←↙-** or **↘+→** or use the number buttons '0..9' on the remote control to select the desired programme number, e.g.: 'P01'.
- 4 Select the line 'FREQUENCY' with the menu buttons **↓P -** or **↑P +**.
- 5 Enter the frequency of the desired TV channel with the number buttons **0..9**.
 - i If you don't know the frequency of the desired TV channel, press **↙+→** in line 'FREQUENCY' to start the automatic search. Repeat automatic search until you have found the desired TV channel. A changing frequency number will appear on the TV screen.
- 6 If you want to allocate a decoder, in line 'DECODER' select 'ON' using the button **↙+→**.
- 7 To store the TV channel, press **OK**. 'STORED' will briefly appear on the TV screen.
 - i If you would like to search for more TV channels, start again at step **2**.
- 8 To end, press the **MENU** button.

Satellite receiver

You can receive channels from the satellite receiver via the scart socket **EXT**.

- 1 To do this, select the channel number 'E1' using the button **0** on the remote control. You will have to select the channels to be received by the satellite receiver on the receiver itself.
- 2 Use the number buttons **0..9** on the remote control to select the channels on the TV-Video Combi.

Special installation functions

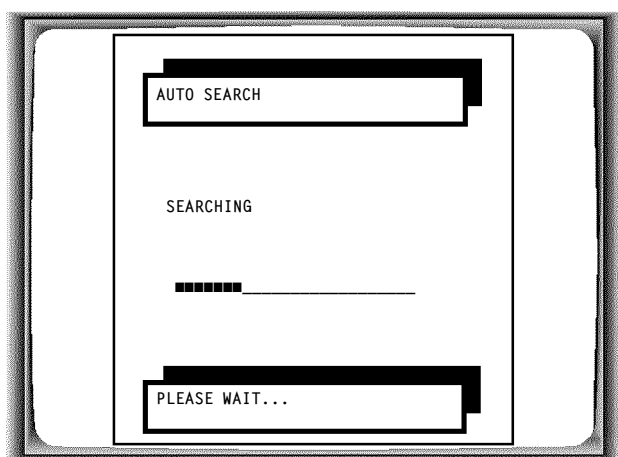
You can select one of the following installation functions in order to adapt your TV-Video Combi to your own specific requirements.

Automatic TV channel search

Your TV-Video Combi will search for all TV channels.

i If you want to start the automatic TV channel search again, follow the instructions below.

- 1 Press the **MENU** button on the remote control. The main menu will appear.
- 2 Select the line 'AUTO SEARCH' with the menu buttons **↓P -** or **↑P +**.
- 3 Press the **↔+→** button. The 'Automatic TV channel search' starts.



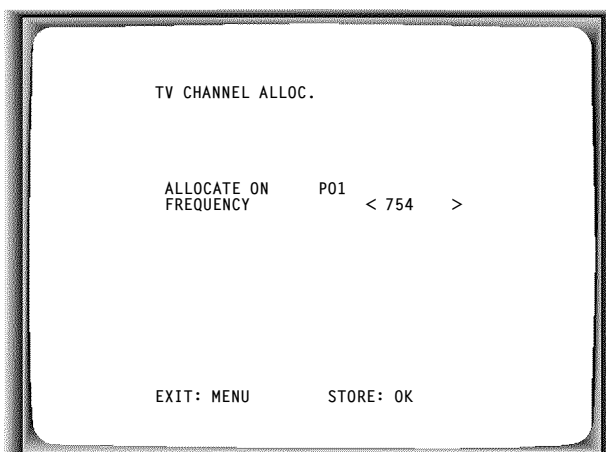
- 4 When the TV channel search is complete, 'STORED' will briefly appear on the TV screen.
- 5 To end, press the **MENU** button.

Information on how to search for a TV channel manually can be found in the section 'Manual TV channel search'.

Sorting and clearing TV channels manually

You can allocate a programmed TV channel to a random programme number (e.g.: 'P01') or you can delete a TV programme recorded by mistake.

- 1 Press the **MENU** button on the remote control. The main menu will appear.
- 2 Select the line 'TV CHANNEL ALLOC.' with the menu buttons **↓P -** or **↑P +**.
- 3 Confirm with the **↔+→** button. 'ALLOCATE ON P01' will appear in the display.



- 4 Use the buttons **←↔-** or **↔+→** to select the stored TV channel to which you wish to allocate the programme number 'P01'.
- 5 Confirm this allocation with **OK**. The following message will briefly appear on the TV screen: 'STORED'.
- 6 After that, the allocation for the next-highest programme number will appear on the screen, e.g.: 'ALLOCATE ON P02'.
- 7 Use the buttons **←↔-** or **↔+→** to select the stored TV channel which you wish to allocate the programme number to, 'e.g.: P02'.
i If you want to delete a TV programme recorded by mistake, press the button **CLEAR (CL)**.
- 8 Confirm this allocation with **OK**. The following message will briefly appear on the TV screen: 'STORED'.
i If you confirm the last possible allocation using the **OK** button, you will automatically be taken back to the main menu. Continue at step **11**.

9 Repeat steps **6** to **8** until you have given a programme number to all TV channels you wish to allocate.

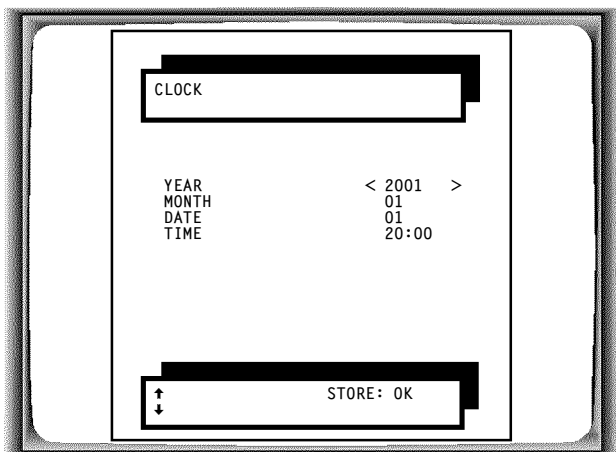
10 To stop the allocation, press the **[MENU]** button.

11 To exit the main menu, press the **[MENU]** button.

Setting the time and date

1 Press the **[MENU]** button on the remote control. The main menu will appear.

2 Select the line 'CLOCK' using the **[↓P -]** or **[↑P +]** buttons and confirm this selection with the button **[↙+→]**.



3 Check the year displayed in the line 'YEAR'. If required, please change the year with the number buttons **[0..9]** on the remote control.

4 Select the next line with **[↑P +]** or **[↓P -]**.

5 Check 'MONTH', 'DATE' and 'TIME' in the same way.

6 When all information is correct, confirm with **[OK]**. 'STORED' will briefly appear on the display.

7 To end, press the **[MENU]** button.

3. TV SET FUNCTIONS

Selecting a TV channel

Select the required TV channel (= the programme number) with the **↑P +**, **↓P -** buttons or with the digit buttons **[0..9]** on the remote control.

Channel number of the scart socket

- 1 Select the channel number 'E1' using the button **[0]** on the remote control.

Volume control

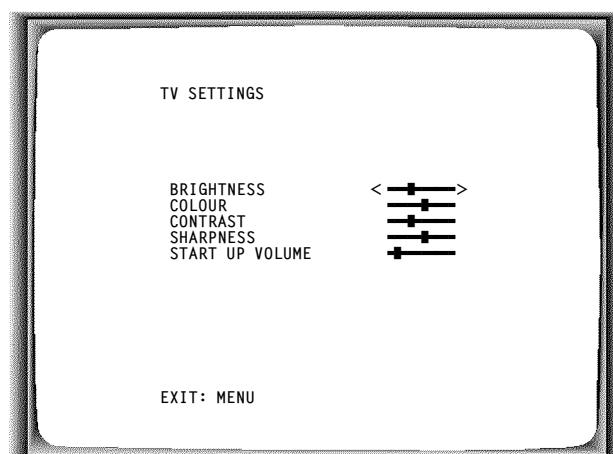
You can adjust the volume using the **←△-**, **△+→** buttons on the remote control.

- i** If you would like to change the volume on the machine, press the button **P/△** on the TV-Video Combi and change the volume using the buttons **+** or **-**.
- i** If you want to mute the sound temporarily (e.g.: during a telephone call), press the **MUTE ✕** button on the remote control. When you press the **MUTE ✕** button again, the sound will return at its original volume level.
- i** While the sound is turned off, '✕' will appear on the screen.

Picture settings

The picture can be adjusted according to your personal preferences. These settings are automatically stored after exiting the main menu.

- 1 Press the **[MENU]** button. The main menu appears.
- 2 Confirm the line 'TV SETTINGS' using the button **△+→**.



- 3 Select the desired line with the **↓P -** or **↑P +** button and modify the settings using the **←△-** or **△+→** button.
 - i** If you TV-Video Combi also has the function: **START UP VOLUME**(Switch-on volume) , please read more detailed information in the respective section.
- 4 To end, press the **[MENU]** button.


(Switch-on volume)

The function 'START UP VOLUME' (switch-on volume) regulates the volume when turning on the TV-Video Combi to this preset value.




- 1 In the line 'START UP VOLUME' change the volume using the buttons **←△-** or **△+→**.

Switch-off function (SLEEP TIMER)

You can programme your set to switch-off automatically after a predetermined period.













- 1** Press the **SLEEP** button on the remote control.
The screen will show the time remaining until switch-off, e.g.: '+0:15'
- 2** Press the button **SLEEP** repeatedly to extend the time until switch-off in 15 minute increments.
 -  The maximum time period to be set until switch-off is 4 hours.

The machine now counts backwards to the switch-off time.

-  If you would like to turn this function off, push the **SLEEP** button on the remote control and then press **CLEAR (CL)** when the time remaining until switch-off appears.
'--:--' will appear on the screen.
-  To check the time until switch-off, press the **SLEEP** button on the remote control.
-  If a recording is in process, only the screen will be switched off by the switch-off function.

4. IMPORTANT NOTES FOR OPERATION

General information

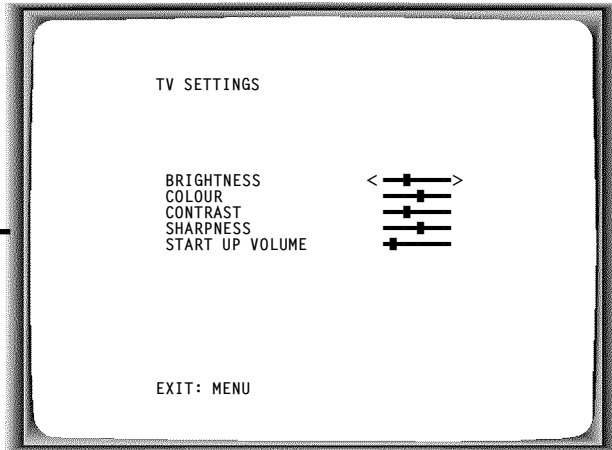
- We suggest that, from now on, you switch off your TV-Video Combi with the  button on the front of the set or with the  button on the remote control. When the set is in the standby mode, a small red lamp (STANDBY ) at the front of the set will be alight.
- You can switch the machine on with the ,  or  buttons or by inserting a cassette.
-  **Attention:** If you use the power switch  on the side panel, you switch off the set completely from the mains power supply. No programmed recordings are possible in this state. The red standby lamp (STANDBY ) at the front of the set will not be alight. After some time, the date and clock settings will be lost.
We therefore advise you to keep your TV-Video Combi connected to the mains and keep the mains switch  on at all times to ensure that programmed recordings can be made and that the television works normally. The power consumption will be low.
- Attention:** If you switch off the appliance using the power switch , make sure that you have removed the tape by pressing the  button.
- If the TV-Video Combi does not receive a signal for more than 15 minutes, it switches off automatically to conserve energy.
- If the TV-Video Combi is not plugged into the mains, the TV channel information is stored for approx. one year and the clock and timer information will be stored for approx. 30 minutes.

Summary of user guide

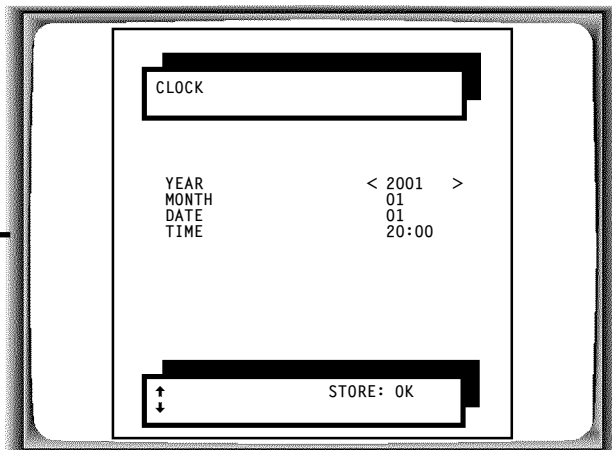
The OSD menu offers the following functions. More details on each can be found in the appropriate chapter.



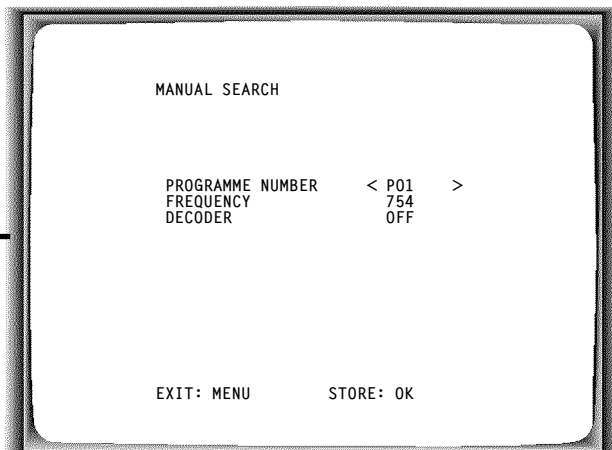
Main menu



Chapter 'TV SET FUNCTIONS - Picture settings'



Chapter 'INSTALLING YOUR VIDEO RECORDER - Setting time/date'

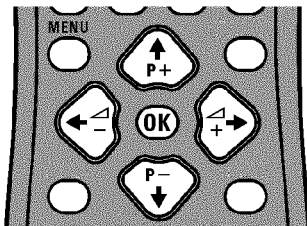


Chapter 'INSTALLING YOUR VIDEO RECORDER - Manual TV channel search'

User guide (OSD)

The OSD (On-screen display) shows the various functions in the form of a menu on the television screen. Thus, you can comfortably check your settings. There is a summary of the menus on this page. The main button functions are displayed in a help line along the bottom of the screen.

- To call up the main menu:** With the **[MENU]** button.
 - To select a line:** With the **[↓P -]** or **[↑P +]** button.
 - To enter or change your selection:** With the **[0.9]**, **[←/→]** or **[↔]** button.
 - To cancel:** With the **[STANDBY ⏻]** button.
 - Store/confirm:** With the **[OK]** button.
 - To close the main menu:** With the **[MENU]** button.
- i** If the symbol 'X' appears on the right end of the menu line instead of '>', the function of this line is not possible.

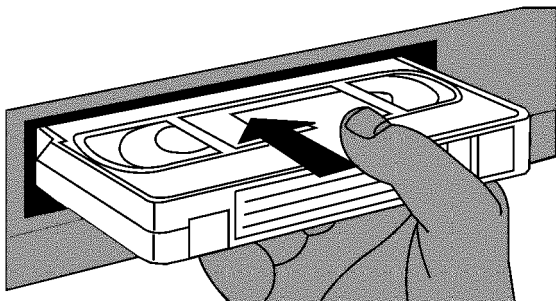


- i** The summary of the OSD menus are examples and are intended to help you select the various functions. Sometimes, they may slightly differ from the OSD menus on your TV-Video Combi.

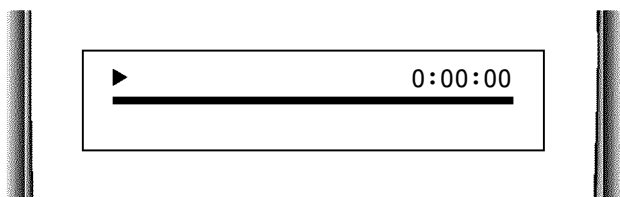
5. PLAYBACK FUNCTIONS

Playing a pre-recorded cassette

- 1 Put a cassette into the cassette slot (see illustration). The cassette will be pulled in automatically.



- 2 Press the button **PLAY▶** to play the cassette. The screen displays for example:



- 3 To stop, press the **STOP■** button.
- 4 To eject the cassette, press **■/▲** on the front of the TV-Video Combi while it is in Stop mode. You may also use the **STOP■** button on the remote control for more than 3 seconds.
 - i Before transportation, make sure that there is no cassette in the TV-Video Combi.
 - i In case of colour problems during the use of special functions (e.g.: still picture, picture search...) the colour is automatically switched off.
 - i Some hired cassettes may have poor picture or sound quality. This is not a fault in your machine. Please read 'Eliminating picture interference (Tracking)'.
 - i Some functions will automatically switch off after a while (e.g.: pause, still picture, picture search). This helps to protect the cassette and avoids wasting power.
 - i During playback, the machine will automatically switch between the speeds 'LP/SP'. Please read the section 'Selecting the recording speed (SP/LP)' in the chapter 'MANUAL RECORDING'.

Playing NTSC cassettes

With this TV-Video Combi you can playback cassettes that have been recorded in NTSC standard on other video recorders (e.g. American cassettes).

- i During NTSC playback, 'NTSC' will briefly appear on the screen.
- i Some special functions (e.g.: still picture) are not possible during NTSC playback.

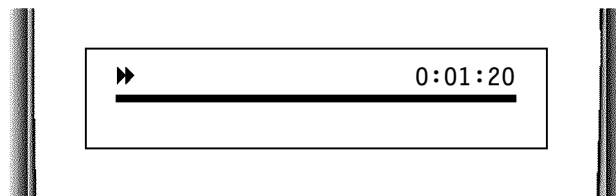
Tape position indication

By pressing **OK** you can show the present tape position on the TV screen. You can read the elapsed playing time in hours, minutes and seconds.

- i If you want to set the counter to '0:00:00', press the **CLEAR (CL)** button.
- i When you put a new cassette into the machine, the counter will automatically reset to '0:00:00'.
- i If you rewind a cassette from the position '0:00:00', the counter will show: '-0:01:20' (rewound 1 minute 20 seconds from the '0:00:00' position).
- i If there is an empty space on the tape, the counter will stop.

Searching for tape position with the picture (picture search)

- 1 While a cassette is playing, press the **<<** (reverse) or **>>** (forward) button once or several times. The screen displays for example:



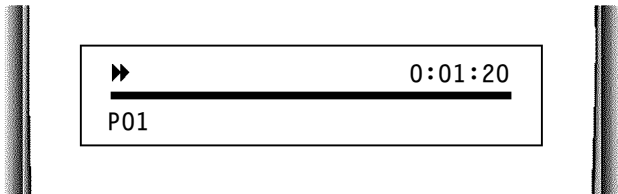
- 2 To stop at the desired position, press the **PLAY▶** button.
 - i The picture quality is lessened during picture search. The sound is deactivated.

Still picture

- 1 Press the **STILL** button. A still picture will appear on the screen.
- 2 Each time you press **STILL** again, the picture will move on one step.
 - ▶ Interference stripes may appear on the screen during still picture.
- 3 To exit the still picture, press the **PLAY** button.

Searching for tape position without the picture (winding)

- 1 Stop the tape with the **STOP** button.
- 2 Press the **◀◀** (reverse) or **▶▶** (forward) button. The following will appear on the screen:



- 3 To stop at the desired position, press the **STOP** button.

'Instant View' function

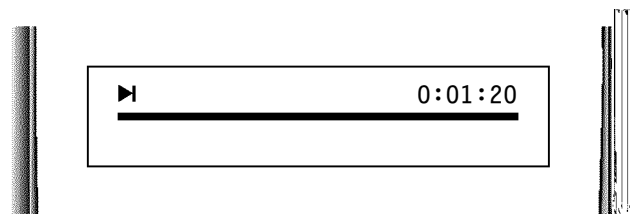
With this function you can switch to picture search during wind and rewind.

- 1 If you hold the **◀◀** (rewind) or **▶▶** (forward) button during wind or rewind, you will switch to picture search.
- 2 When you release this button, the TV-Video Combi automatically switches back to wind and rewind.

Automatic search for a tape position (index search)

At the start of each recording, an index code is written on the tape.

- 1 In order to search for the previous or next index code, press the **INDEX** button and then the **◀◀** button for the previous code or the **▶▶** button for the next code. The following may appear on the screen for the next code:



- 2 When the TV-Video Combi finds the marker, it will automatically switch to playback mode.

Eliminating picture interference (tracking)

If the picture quality is poor during playback, you can manually adjust the tracking.

- 1 Press and hold the button **↑P +** or **↓P -** during playback until the playback quality reaches its best. 'T+' will appear on the screen when the button **↑P +** is pressed. 'T-' will appear when you press the button **↓P -**.

This setting will remain until the cassette is removed.

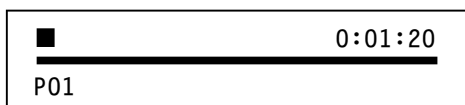
6. MANUAL RECORDING

Use the 'Manual recording' function to spontaneously start recording (e.g. to record a TV show already in progress).

- ❑ Please refer to section '**Recording without automatic switch-off**', if you want to manually start and stop your own recording.
- ❑ Please refer to section '**Recording with automatic switch-off**', if you would like to start your own recording but want it to end automatically (e.g. not to record all the way to the end of the cassette).

Recording without automatic switch-off

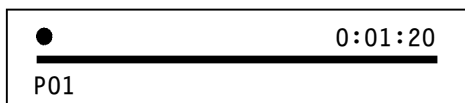
- 1 Place a cassette in the machine.
- 2 Use the button **↑P +** or **↓P -** to select the programme number which you would like to record from, e.g. 'P01'. This picture will appear on the screen:



- ▶ Programme number 'E1' is provided for recording from external sources (via the **EXT** scart socket).

- 3 To record the TV programme, press the button **RECORD ●** on the remote control or the button **●** on the TV-Video Combi.

- ▶ During recording, the recording lamp 'RECORD ●' on the front of the machine lights up. The following will appear on the screen:



- ▶ Use the button **OK** to display the current tape position on the screen.

- 4 Stop recording with the **STOP ■** button.

- ▶ If you would like to turn off the screen during the recording, press the button **STANDBY ⏻**.

- ▶ To switch the screen back on again, press the **↑P +** button.

- ▶ With the screen switched off you can only stop a recording in process by pressing the button **STANDBY ⏻** for more than 3 seconds.

- ▶ During a recording you can only watch the current programme.

Recording with automatic switch-off (OTR one-touch-recording)

- 1 Place a cassette in the machine.
- 2 Use **↑P +** or **↓P -** to select the programme number of the TV channel you wish to record.
- 3 Press the **RECORD ●** button on the remote control.
- 4 Press the **RECORD ●** button on the remote control several times to add 30 minutes to the recording time.

- ▶ To cancel this entry, press the **CLEAR (CL)** button.

- ▶ The recording time can be extended only to up to 4 hours.

Protecting your recordings

So that you don't accidentally delete an important recording, remove the special tab on the narrow side of the cassette with a screwdriver or slide the special tab to the left. Later, if you no longer want to protect your recording, you can seal the gap again with sticky tape or slide the special tab to the right.

Auto-assembling

You can use the auto-assembling function to join individual recordings without any flickering between them.

- 1 While the cassette is playing, search for the next recording's position on the tape.
- 2 Press the **STOP ■** button on the remote control. 'II' appears on the TV screen.
- 3 Now start recording as usual by pressing the **RECORD ●** button on the remote control.
- 4 Stop recording with the **STOP ■** button.

Selecting the recording speed (SP/LP)

You can reduce the recording speed by half. This makes it possible to record, for example, eight-hours instead of four-hours on an 'E240' (four-hour) cassette.

- 1** Press the **MENU** button on the remote control. The main menu will appear.
- 2** Select the line 'SPECIAL SETTINGS' with the buttons **↓P -** or **↑P +** and confirm with the **↘+→** button.
- 3** Choose the desired recording speed in the line 'RECORD SPEED' using the buttons **←↘-** or **↘+→**.
 - i** 'LP': LongPlay = half recording speed (double recording period).
 - 'SP': StandardPlay = normal recording speed.
- 4** Confirm with the **OK** button.
- 5** To end, press the **MENU** button.
 - i** The picture quality with LP recordings will not be as good as it is with SP recordings.
 - i** For playback, the correct speed will automatically be selected.

7. PROGRAMMED RECORDING (TIMER)

Use programmed recording to automatically start and stop a recording at a later date.

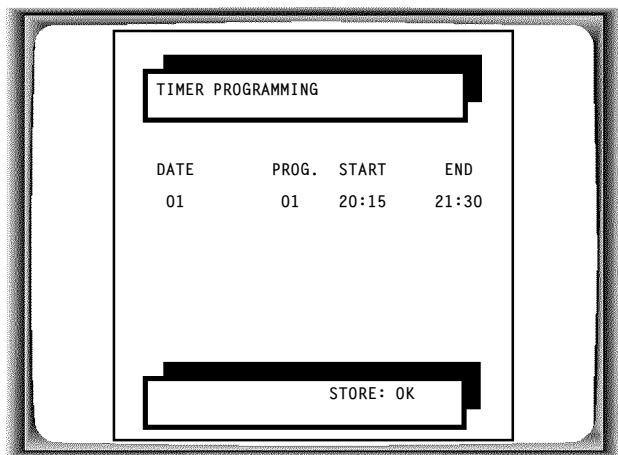
The TV-Video Combi requires the following information for each programmed recording:

- * the date you want to make the recording
- * the programme number for the TV channel you want to record
- * the start and stop time of the recording

The TV-Video Combi stores all above mentioned information in a so-called TIMER-Block. You can programme up to 6 TIMER blocks a whole month in advance.

Programming a recording

- 1** Press the **TIMER** button on the remote control. The free TIMER block will be highlighted.
- 2** Press the **TIMER** button. The current information will appear on the screen.



- 3** Use the buttons **←+→** or **→-←** to select different entry fields: 'DATE' (Date), 'PROG.' (Programme number), 'START' (Start time), 'END' (End time). Enter or change your information with **↑P +** or **↓P -**, or with the number buttons **0-9**.
- 4** If all information is correct, press the **OK** button.
 - i** The information has been stored in a TIMER block.
- 5** Insert a cassette that is not erase protected.

- 6** Switch off using the **STANDBY** button.

The programmed recording will only function properly, if the TV-Video Combi has been **switched off** using the button **STANDBY**.

 - i** If the TV-Video Combi is turned on a few minutes before beginning a programmed recording or if is being used for playback, 'PRESS OK TO START RECORDING' will appear on the screen. Change cassettes if necessary. Confirm this message with the button **OK**, to continue the programmed recording session. The TV-Video Combi switches off during this operation.
 - i** While a programmed recording is being made, you cannot operate your video recorder manually. If you would like to stop a programmed recording session, press the button **STANDBY** for more than 3 seconds.
 - i** During recording, the red recording light at the front of the machine (RECORD ●) will be alight.
 - i** If the end of the cassette is reached during a recording, the TV-Video Combi will automatically eject the cassette.
 - i** If you forgot to insert a cassette, 'NO CASSETTE' will appear.
 - i** If you have inserted a cassette with erase protection when you want to start a recording, the cassette will be ejected automatically.
 - i** If 'ALL TIMERS OCCUPIED' appears on the TV screen when you press the **TIMER** button, you have used up all the available TIMER blocks. If you want to clear or check a programmed recording (TIMER block), select it with **↑P +** or **↓P -**.
 - i** If the message 'DATA ERROR' appears on the screen momentarily, the data for the recording was not transferred. Please check date, start time and end time of the programmed recording
 - i** Programme number 'E1' is provided for recording from external sources (via the **EXT** scart socket).

How to check or change a programmed recording (TIMER)

- 1** Press the **TIMER** button on the remote control.
- 2** Use the **↓P -** or **↑P +** buttons to select the programmed recording (TIMER) you wish to check or change.
- 3** Press the **TIMER** button.
- 4** Select the entry field with the **← ▽ -** or **▽ + →** button.
- 5** Change any displayed information with the **↓P -** or **↑P +** button or with the **0..9** buttons.
- 6** Confirm with the **OK** button.
- 7** Make sure that the cassette you have inserted is not erase protected.
- 8** Switch off using the **STANDBY** button.
 - i** The programmed recording will only function properly, if the TV-Video Combi has been **switched off** using the button **STANDBY**.
 - i** If the TV-Video Combi is turned on a few minutes before beginning a programmed recording or if is being used for playback, 'PRESS OK TO START RECORDING' will appear on the screen. Change cassettes if necessary. Confirm this message with the button **OK**, to continue the programmed recording session. The TV-Video Combi switches off during this operation.

Clearing a programmed recording (TIMER)

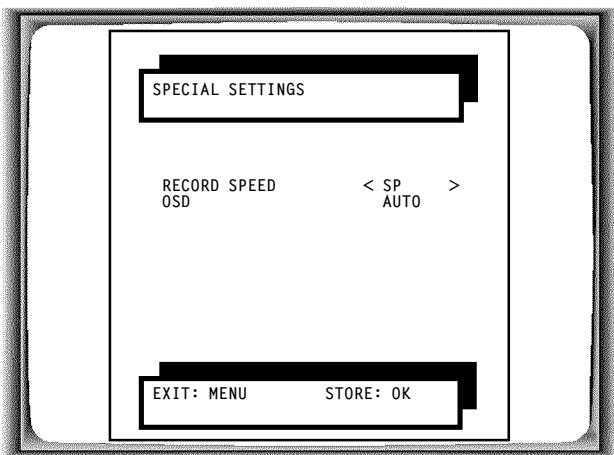
- 1** Press the **TIMER** button on the remote control.
- 2** Use the button **↓P -** or **↑P +** to select the programmed recording (TIMER) which you wish to clear.
- 3** Press the **CLEAR (CL)** button.
The selected programmed recording (TIMER) has now been deleted.
- 4** To end, press the **MENU** button.

8. ADDITIONAL FUNCTIONS

Switching OSD information on/off

You can tailor the on-screen display (OSD) of the current mode (e.g.: playback, record...) to your personal needs.

- 1 Press the **MENU** button on the remote control. The main menu will appear.
- 2 Select the line 'SPECIAL SETTINGS' with the buttons **↓P -** or **↑P +** and confirm with the **↙+→** button.





- 3 In the line 'OSD', select one of the options shown using the button **↙+→**.
'AUTO':
The OSD information appears with every selected mode for a few seconds and disappears again.
'MAX':
Additionally, date and time are displayed with every selected mode.
'OFF':
The OSD information is switched off. However, you can use the button **OK** to display the OSD information on the screen.
- 4 Confirm with the **OK** button.
- 5 To end, press the **MENU** button.

9. BEFORE YOU CALL AN ENGINEER


If you encounter problems with your TV-Video Combi, these could be caused by one of the following. You can also call the **customer service centre** in your country.

The telephone number is listed in the enclosed warranty information packet or on the last page of the manual cover. Have the model number (MODEL NO) and the production number (PROD.NO) of your video recorder ready. You can find both numbers printed on the type plate fixed at the rear of the set.

Your TV-Video Combi does not respond to any button being pressed:







- TV-Video Combi has been switched off using the power switch : switch machine on on left side using the power switch.
- There is no power supply: Check the power supply.
- A programmed recording is currently being made: If desired, cancel the programmed recording pressing the  button (for longer than 3 seconds).

Remote control does not work





The red standby lamp (STANDBY ) does not blink, if one of the buttons on the remote control is pressed:

- Remote control not pointed toward the TV-Video Combi: Point the remote control at the TV-Video Combi.
- There is a technical problem: Take out the batteries, wait for 10 seconds and place them back.
- Batteries are weak: Change the batteries.

Technical problem:

- Switch machine off using power switch , wait 30 seconds and switch back on.
- You can reset the settings on your set (careful: all information will be deleted):
 1. Switch machine off using power switch .
 2. Press the  button on the machine and **hold button**. Switch back on using power switch .
 3. If the standby lamp (STANDBY ) on the set begins to blink, release the  button.
The machine settings are reset and the data memory is deleted.


No picture (black/blue picture):

- **The red standby lamp (STANDBY ) on the front of the set is not lit up:**
TV-Video Combi switched off: Switch on the set using the mains switch on the left side of the unit.
There is no power supply: Check the power supply.
- **The red standby lamp (STANDBY ) on the front of the set is lit:**
TV-Video Combi switched off automatically: Switch it back on using the  button.
Switched to the programme number of an external source, e.g.: 'E1' for the scart socket , but the attached device is turned off: Switch on external device or choose a different programme number.
A TV channel (programme number) has been chosen but there is no reception on this channel: Select the correct TV channel.
No reception: Have the aerial checked.

Some of the menu lines can be selected, but are without functions:

- Recording is in session; if required, cancel recording session.

Cassette is jammed in the TV-VIDEO Combi:

- Don't use force. Switch off with the  power switch for 30 seconds, then switch it on again.

No playback on the TV-Video Combi:


- There is no recording on the cassette: Change the cassette.

Poor quality playback on the TV-Video Combi:

- The cassette is badly worn or of poor quality: Use a new cassette.
- Tracking is not properly adjusted: Turn to chapter 'PLAYBACK FUNCTIONS' and read the section 'Eliminating picture interference'.

Poor playback of recordings made via the scart socket


:

- Recording copy-guarded data via the scart socket  can lead to picture/sound distortions. This is not a fault in your machine.

The TV-Video Combi will not record:

- The TV channel is not stored or not selected properly: Check TV channels stored.
- You have loaded a cassette which is erase protected: Undo the erase protection on the cassette.

Programmed recording does not work:

- You have not set the TIMER properly: Check the TIMER blocks.
- Clock/date were set incorrectly: Check clock/date.
- You have put in a cassette that is erase protected: Undo the erase protection on the cassette.
- The machine has not been switched to standby when recording starts: Switch machine off in time before recording using the  button.

10. GLOSSARY

Technical terms used

Current tape position

The part of the tape currently being played.

External source

A device connected via a socket (e.g.: scart socket) which transmits audio/video signals to the TV-Video Combi.

Index code

A code which is automatically recorded on the tape at the beginning of every recording. This code (recording ID) can be searched for with the Index search function.

Scart cable

Also known as a Euro-AV cable. This standard cable is an easy method of connecting various audio and video devices, computers and televisions. Other signals in addition to audio and video signals can be transmitted on it.

TV system

There are various systems for transmitting television signals, for example, PAL, SECAM, PAL BG, SECAM DK, SECAM L/L, NTSC,... The system used by your television depends on which country you are in.

OTR

One touch recording (recording using one button). This function enables you to select the switch-off time in intervals of 30 minutes.

Standby

Standby is an operating mode which you can activate by pressing the **STANDBY** button (remote control) or the button (front of machine) of your TV-Video Combi.

In order to recognise this operating mode, the red standby lamp (STANDBY) at the front of the set will be alight.

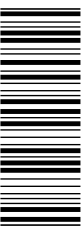
Preprogrammed recordings are possible.

In order to switch the TV-Video Combi back on, select a TV channel using the buttons **0.9**, **↑P +** or **↓P -** on the remote control or the buttons **+** or **-** on the front of the machine.

OSD

The OSD (On Screen Display) feature displays information regarding counter, programme number, operating mode (record, play,...) on the screen. The OSD also provides increased ease of use via screen menus.

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