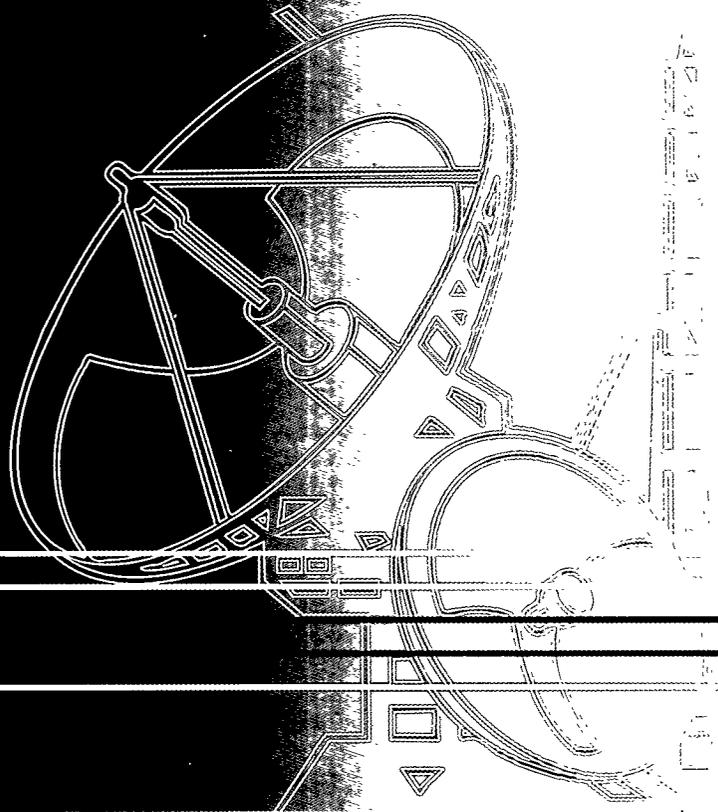
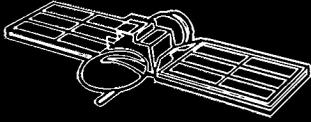


# PHILIPS



## PHILIPS

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**REMEMBER - SAFETY FIRST**

This satellite receiver has been designed and built to provide years of trouble-free service. The receiver has been manufactured to meet international safety standards but, as with any electrical equipment, you must take care if you want to obtain the best results and operate your receiver safely.

We recommend that your satellite system be installed by a qualified satellite TV installation engineer; this manual does, however, contain instructions on how to install your receiver in case you wish to do this yourself.

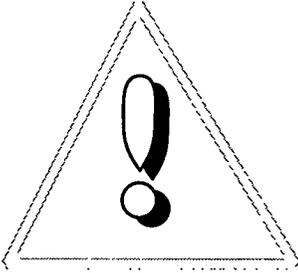
To obtain the best results from your receiver, it is important that you read this manual completely, especially the safety instructions below.

**SAFE USE OF EQUIPMENT**

- Ensure that all electrical connections are properly made in accordance with the manufacturer's instructions (see below - Connection to the Mains Supply).

**TO AVOID THE RISK OF A FATAL ELECTRIC SHOCK:**

- **DO NOT REMOVE THE COVER OF THE UNIT WITHOUT FIRST DISCONNECTING THE RECEIVER FROM THE MAINS SUPPLY.**
- **NEVER ALLOW ANYONE, ESPECIALLY CHILDREN, TO PUSH ANYTHING INTO HOLES, SLOTS OR ANY OTHER OPENING IN THE CASE.**
- Do not obstruct the receiver's ventilation slots; never stand the receiver on soft furnishings or carpets.
- Do not use or store the receiver in excessively hot, cold, damp or dusty conditions.
- Always put the receiver into standby mode when it is not in use.
- If you have any doubts about the installation, operation or safety of the receiver, please consult your dealer.



**CONNECTION TO THE MAINS SUPPLY**

This apparatus operates within the range of 220-240 V AC, 50 Hz mains supplies. **DO NOT CONNECT IT TO DC MAINS.** The lead is supplied terminated at one end with a connector to be inserted into the mains input socket on the rear panel of the apparatus.

**MAINS LEAD PLUG CONNECTIONS (UK AND EIRE)**

The mains lead supplied may or may not have a non-rewireable (moulded) plug. Please see the section marked with an asterisk (\*) if the supplied mains lead does not have a non-rewireable plug fitted.

Mains leads fitted with a non-rewireable (moulded) plug incorporate a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BSI approved BS 1362 fuse must be used of the same rating, marked thus:



If the fuse cover is detachable always refit the cover after replacing the fuse. **NEVER** use the plug with the fuse cover omitted.

If the fitted plug is not suitable for your socket outlets it should be cut off, after having first removed the fuse, and an appropriate plug fitted in its place. If this new plug contains a fuse its value should be the same as that removed from the non-rewireable plug.

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

**\*IF YOU NEED TO FIT A MAINS PLUG THEN FOLLOW THE INSTRUCTIONS GIVEN BELOW:**

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

**BLUE** - Neutral (N)

**BROWN** - Live (L)

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK.

The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

On no account connect either of these wires to the terminal marked E 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 simply over the two wires.

A fused plug must be fitted with a 3 A fuse complying with BS 1362. If you are using a non-fused plug, an external fuse must not exceed 5 A.

### MAINS LEAD PLUG CONNECTIONS (CONTINENTAL EUROPE)

The mains lead is supplied already fitted with a 2-pin moulded plug. This mains lead must not be used in the UK.

**IF IN DOUBT CONSULT A COMPETENT ELECTRICIAN.**

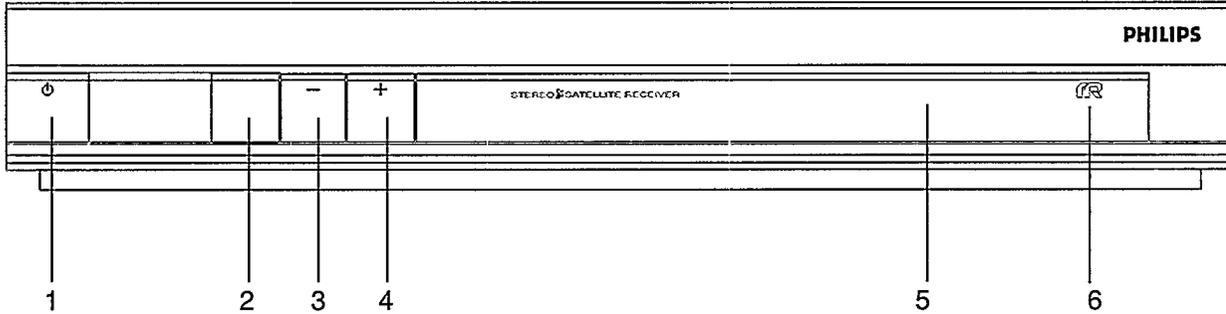
## INTRODUCTION TO SATELLITE TELEVISION

Your satellite system consists of several component parts, some of which are optional. As a minimum it will comprise the following items:

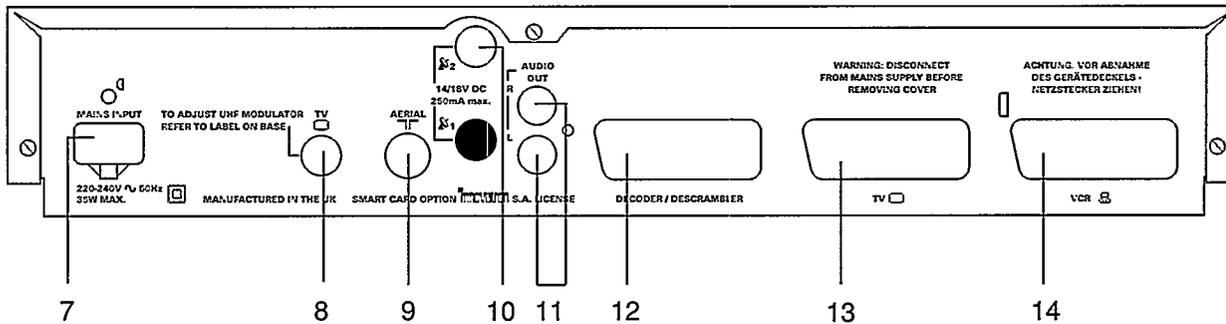
- **A dish antenna.** This is outside your house and it contains the low noise block converter (LNC). The LNC converts the satellite signal from its incoming frequency of around 11 GHz to a signal at about 1 GHz. This lower frequency signal then passes through a cable to your satellite receiver indoors.
- **The satellite receiver.** This receives the satellite transmissions and allows you to set up and select the satellite programmes you wish to watch. Several pieces of equipment can be connected to your receiver, but only your television is essential. The front panel of your receiver contains push-buttons (under the cover) which allow you to bring your receiver out of standby mode and to select the programmes, but the handset allows you much greater control.
- **The television.** So that you can view the transmissions, one of the TV channels needs to be allocated to satellite reception.
- **The handset.** This allows you to operate your satellite receiver and set up all the required parameters. Some of these operations are carried out using a system of menus (lists) which are displayed on your TV screen.

You can enhance your satellite system by connecting additional components such as:

- **A video recorder (VCR).** This allows you to record satellite transmissions. You may also wish to use the receiver's Timer Menu in conjunction with your VCR to record programmes while you are out.
- **Stereo equipment.** Your satellite receiver is fitted with the PANDA 1™ noise reduction system to enhance its audio performance. PANDA 1 is a trademark of Wegener Communications Inc. To get the maximum performance from your receiver, you can connect it to a stereo TV or a stereo amplifier.
- **A decoder.** You can connect an external decoder to the receiver via a rear panel SCART socket. With a decoder you are able to receive satellite transmissions which have been scrambled, providing you have paid a subscription.
- **A dish positioner.** You may have a dish antenna which is capable of being moved around to receive transmissions from different satellites. A compatible dish positioner can be connected to your receiver via the DECODER SCART connector. You can still also connect an external decoder.



- |                                |                             |
|--------------------------------|-----------------------------|
| 1. STANDBY button              | 5. 3-character display      |
| 2. This button has no function | 6. Infra-red receive window |
| 3. PROGRAMME DOWN (-) button   |                             |
| 4. PROGRAMME UP (+) button     |                             |



- |                                 |                          |
|---------------------------------|--------------------------|
| 7. MAINS INPUT socket           | 12. DECODER SCART socket |
| 8. TV coaxial socket            | 13. TV SCART socket      |
| 9. AERIAL coaxial socket        | 14. VCR SCART socket     |
| 10. LNC input connector         |                          |
| 11. AUDIO OUT L/R phono sockets |                          |

NOTE: A label giving the model number and other product information is on the base of the unit.

**FRONT PANEL OPERATION**

The receiver is designed to be operated with your handset. Without it, you cannot display the menus or select options on them. You can put the receiver in and out of standby mode by pressing the  $\text{⏻}$  button. You can also browse through the programmes, one at a time, by pressing the + button (which increments the programme number by one) or the - button (which decrements the number).

**On-screen Menus**

You can operate this receiver very easily using a simple menu structure which you access by pressing the MENU key on the handset. The whole structure and each menu are described in detail in this manual.

**Menu Languages**

This product has been designed so that you can have the on-screen menus in English or German. If, when you press the MENU key to enter the menu system, you find that the menus are not in your desired language, press the 8 key, then the 7 key and finally press either the blue + or the red – on the rocker key directly below the MENU key. This will cause the menu language to change.

**Programmes**

You can set up 199 “programmes”, each programme containing information about a particular satellite channel, such as its name, frequency etc. When it is new, your receiver has already been programmed with most of the satellite channels. See the list supplied separately. Using the Programme Edit and Programme Install Menus you can alter the programmes and set up new programmes for additional satellite transmissions that you tune in to.

**INSTALLATION OVERVIEW**

We recommend that a qualified satellite TV installation engineer carries out the installation of your satellite system. If, however, you install it yourself, proceed as follows:

**Connecting Up**

Do not plug your receiver into the mains straight away.

Refer to the installation procedures on page 22 to make all the necessary connections and then plug the receiver into the mains.

**Tuning In**

Refer to the UHF Tuning section overleaf, and make all the necessary adjustments until the Global Settings Menu appears on your TV screen.

**Antenna and LNC Settings**

At the Global Settings Menu, press the 3 key to select the Antenna Settings Menu. Refer to the procedures starting on page 20 to set up your receiver to be compatible with your antenna and its LNC.

**Viewing Programmes**

When you have finished setting up, abandon the menu by pressing the OFF key. If you have installed your receiver successfully, you can now view all the programmes which have been pre-programmed into it at the factory.

**Handset Overview**

Before you start to alter the programmes or set up new ones, we recommend that you learn how to select the existing programmes and familiarise yourself with the handset keys (see also overleaf).

**Important:**

**To set up your handset so that it controls only your satellite receiver, press the SAT key once.**

**To set up your handset so that it controls only a PHILIPS TV set, press the TV key once.**

**At any time you can use the VCR keys on your handset to control a PHILIPS VCR.**

**Switching In and Out of Standby Mode**

Standby mode is shown by a dash on the receiver's front panel display.

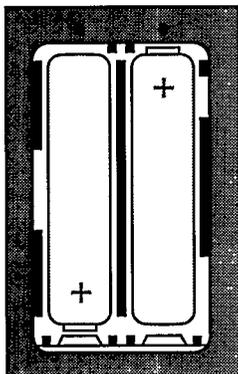
To bring it out of standby mode, press one of the 0-9 keys or the P+ or P– key.

To put the receiver into standby mode, press the  key.

## OPERATION

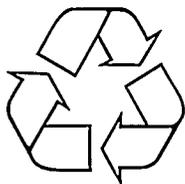
### GLOBAL SETTINGS

1 TV/VCR CHANNEL	38
2 TV/VCR FINE TUNE	0
3 ANTENNA SETTINGS	
4 CONTRAST	4
5 BACKGROUND COLOUR	4
6 SET CLOCK	
7 MENU LANGUAGE	ENGLISH



### Contribute to environmental protection!

- After use, please give batteries and accumulators with the recycling symbol



- round cells containing mercury
- nickel-cadmium-accumulators
- small accumulators

back to the retailer, so that they can be properly recycled.

- All other household batteries without the recycling symbol and Philips batteries with the markings "green LINE", "green ALKALINE" or "EXTRA" need not be given back. They are extremely low in pollutants and environmentally friendly and can therefore be disposed of with the household rubbish.

## UHF TUNING (If Receiver is Connected to TV Using Coaxial Cable)

After the equipment has been installed, you will need to tune in your receiver to a particular TV channel if it is connected to the TV using coaxial cable. If it is connected using the SCART connector this will not be necessary.

The receiver is shipped with the channel number set to 38 PAL G, therefore channel 38 is an appropriate TV channel to choose. Channel 38 PAL G may, however, already be assigned to something else (e.g. your VCR), in which case you must set your TV to a different channel number and adjust your receiver accordingly. The TV channel that you choose must be clear of any other broadcasting.

Follow the instructions in your TV manual to set your TV to the required channel number (in the range 21 to 69) and to assign this channel number to a specific numeric key on your TV handset.

On your satellite receiver handset, press the MENU key followed by the 8 key to put the receiver into UHF tuning mode.

You will see the channel number, preceded by the letter C, on the front panel of the satellite receiver.

If you set your TV to channel 38 PAL G, you will see the Global Settings Menu on the screen and your receiver is now tuned in to TV channel 38 PAL G.

If you did not set your TV to channel 38 PAL G, it is unlikely that you will be able to see the Global Settings Menu on the screen initially, this will appear as tuning progresses.

To tune in, press the blue + key or the red – key to go through the channel numbers one at a time until you can see a good quality picture of the Global Settings Menu on the screen. Your chosen TV channel number should be visible in line 1 of the menu.

You can also fine tune at the menu, but as this feature is not often required, it is described, along with the other options in the Global Settings Menu, on page 19 of this manual.

## HANDSET OPERATION

The handset is shown right, on page 7. The keys in the top half of the handset are used to select both satellite TV programmes and terrestrial programmes on a Philips TV and to switch between terrestrial and satellite reception.

The four keys in the centre, labelled MENU, OFF,  and the rocker key with the red – and the blue +, are used to operate the menu system for satellite TV. They are described in detail starting on page 8.

The handset works by sending an infra-red beam to your receiver, therefore be sure to point it towards the infra-red receive window on the front of the receiver. Do not place any objects which may block the beam between the window and the handset.

These instructions assume that all the equipment has been properly installed and powered on. Consult the Installation section on page 22 of this manual.

*NOTE: When you have to press several keys in succession, you must press each successive key within a certain (short) time, otherwise the receiver will revert to normal viewing mode.*

## CHANGING THE BATTERIES

The handset runs from two LR03 (AAA or UM4) batteries located under a cover on the underside of the handset. These batteries will need replacing from time to time. You should do this as soon as the handset fails to operate from the normal viewing distance.

Insert your fingernails or other thin object along the left hand edge of the battery cover and lever the cover off. Remove the old batteries and put in the new ones in the orientation shown in the figure. Snap the cover back into position.

*NOTE: Never leave flat batteries in the handset, as they may leak and corrode the metal contacts.*

## SELECTING PROGRAMMES

When you first power on your receiver it will be in standby mode. To bring it out of standby mode press the P+ or P– key or one of the numeric keys 0 to 9. A programme will then appear on the screen. Whether this programme is a terrestrial or satellite programme depends on the way your TV and satellite receiver are connected together and on the programme you were last viewing, as described below.

### Selecting Satellite Programmes with SCART Interconnection

If your satellite receiver and TV are interconnected by a SCART cable, and providing your TV recognises pin 8 of the SCART connector, then when you bring the receiver out of standby a satellite programme will be automatically displayed on the TV screen. You can then change satellite programme as described opposite.

## Selecting Satellite Programmes with Coaxial Interconnection

If your satellite receiver and TV are interconnected by a coaxial cable, then when you bring the receiver out of standby, you will get a satellite programme displayed on the TV screen if you had been watching satellite TV when you last put the receiver into standby and have not, in the meantime, been watching terrestrial TV. You can then change programme as described below.

If the last programme you were watching before bringing the receiver out of standby was a terrestrial TV programme, then a terrestrial TV programme will be displayed when you bring the satellite receiver out of standby. To get satellite TV, press the numeric key on your TV handset which you have assigned to satellite TV. (For a Philips TV you need to press the TV key on this handset, followed by the numeric key which you have assigned to satellite TV.) Finally, press the SAT key at the top of your handset to make the handset suitable for selecting satellite programmes. You can then change programme as described below.

## Changing Satellite Programme

You can browse through the programmes one at a time by pressing the P+ or P- key. The P+ key increments the programme number by one; the P- key decrements it by one. There is a "wrap" at both ends, e.g. pressing the P+ key at programme 199 gives programme 1.

You can also key in the programme number directly using the numeric keys. Press the numeric key for the first digit of your required programme number. You will see that number, followed by a cursor, displayed at the top of the screen. While the cursor is still displayed, key in the second digit of your required programme number. The second digit, again followed by a cursor, appears on the screen. While the cursor is still displayed, key in the third digit of your required programme number.

*Example: Keying in to select programme number 134.*

*Press the 1 key. 1- appears on the screen. Immediately press the 3 key. 13- appears on the screen. Immediately press the 4 key. 134 appears on the screen and programme number 134 is thereby selected.*

If your programme number has only one (or two) digits then do nothing when the first (or second) cursor appears. After a short time the cursor will disappear and you will, therefore, have selected your required one (or two) digit number.

## Switching Between Terrestrial and Satellite Reception

If your receiver is connected to your TV using a SCART lead, then you will be able to switch between terrestrial and satellite reception providing your TV recognises pin 8 of the SCART socket.

Press the TV/SAT key to toggle between terrestrial and satellite reception.

## CHANGING THE AUDIO MODE

Some audio modes provide commentary in different languages; some provide satellite radio stations. There are two ways of changing a programme's audio mode. One way is to use the on-screen menu (the Audio Settings Menu - see page 18). At this menu the audio mode can also be customised to give a Mono V or Stereo V mode.

The second way is to use the I-II key on the handset. Press this key to select the next audio mode from the preset modes Mono 1 to 9 or Stereo A to D (see the list in the specification on page 26). If the programme had a customised audio mode, this will remain as one of the available audio modes as you press the I-II key to step through the modes in turn.

*NOTE: You cannot use the I-II key within the menu structure.*

## DISPLAYING THE PROGRAMME STATUS

The programme status is the programme number and name (if it is named), and this can be displayed at the top of the TV screen for approximately 4 seconds. If the receiver's clock has been set, the time is also displayed at the bottom of the screen.

To display the programme status, press the [+ ] key.

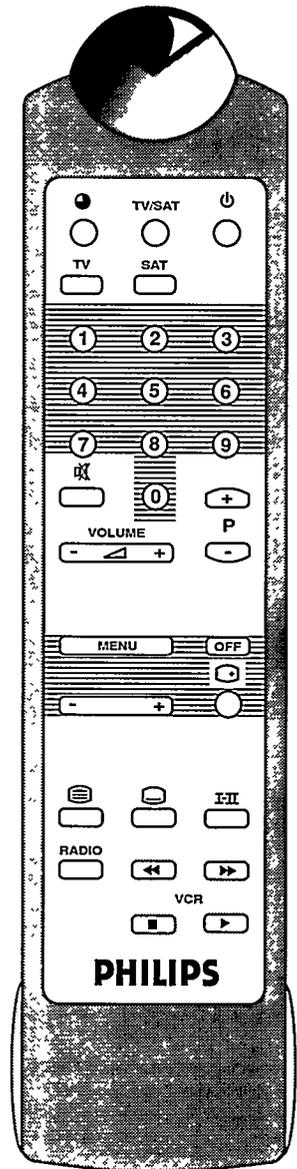
*NOTE: If the programme has not been given a name then only the programme number will be displayed. If the receiver's clock has not been set, a flashing time will appear on the bottom of the screen.*

Press the [+ ] key twice to display the programme status permanently.

The programme name will be permanently displayed in the top right hand corner of the screen; for programmes which have not been named, no status information will be displayed.

To remove the permanent programme status from the screen, press the [+ ] key twice again.

## OPERATION

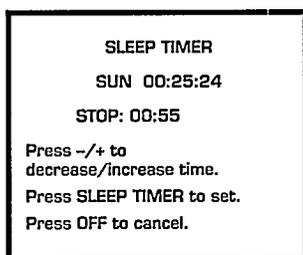


## SETTING THE SLEEP TIMER

*NOTE: You can use the sleep timer even if the receiver's clock has not been set.*

Setting the sleep timer is a useful way to switch off your receiver at a later time and is a handy method to use when you instantly record with your VCR.

Press the **⏸** key.



The menu shown left will appear on the screen. The time of the receiver's clock is displayed under the menu title and this will be flashing if it has not been set since the receiver was powered up - see page 21 - Set Clock Menu. Even if the clock has not been set, its current value will increment every second and the receiver assumes that this is the actual time.

The stop time displayed when you first enter the menu is the receiver's current time plus 30 minutes. If you want the receiver to switch off after a length of time other than 30 minutes, press the + key to increase the stop time by 15 minutes for each press. Press the - key to decrease the stop time by 15 minutes for each key press. Press the **⏸** key to store this sleep timer information.

The message SLEEP TIMER ON will be displayed briefly. The programme you were viewing will remain on the screen until the receiver's clock reaches the same value as the stop time you set, then the receiver will go into standby mode. While the sleep timer is set, the timer display (the letter t - see left) on the receiver's front panel will be lit.

If you wish to leave the Sleep Timer Menu before storing, press the OFF key.

*NOTE: When the receiver's sleep timer has been set, all handset commands will be ignored (except that pressing the **⏸** key will display the stop time on the screen).*

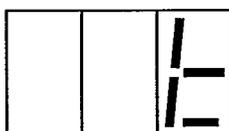
If you want to return to normal operation before the stop time, press the **⏸** key again.

The message SLEEP TIMER OFF will appear briefly on the screen.

The sleep timer can be used to instantly record in conjunction with your VCR.

Start recording with your VCR, then carry out the instructions above to set the stop time for the receiver.

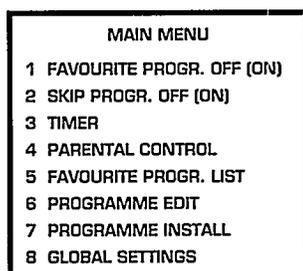
You will need to set your VCR to stop recording at the same stop time, otherwise it will continue to record a blank (or distorted and noisy) screen after the receiver has gone into standby mode. For further information on recording satellite programmes, see the Timer Menu section on page 12.



## ON-SCREEN MENU OPERATION

Many of the functions of your receiver can be set up using on-screen menus, most of which are contained in the menu structure spreading out from the Main Menu as shown on the next page. The Main Menu is also shown left.

This short section describes the general features of the menu system. The subsequent sections then give a detailed description of each menu in turn. The Global Settings Menu is described last, because, if, as we recommend, a qualified satellite TV installation engineer has installed your satellite system, then he/she will have used this menu to set up the system parameters. You should not, therefore, need to use it unless you install the system yourself, add to it or need to correct any information in this menu which has been altered from its correct value. You may have difficulty using the other menus if the Global Settings Menu contains the wrong values.



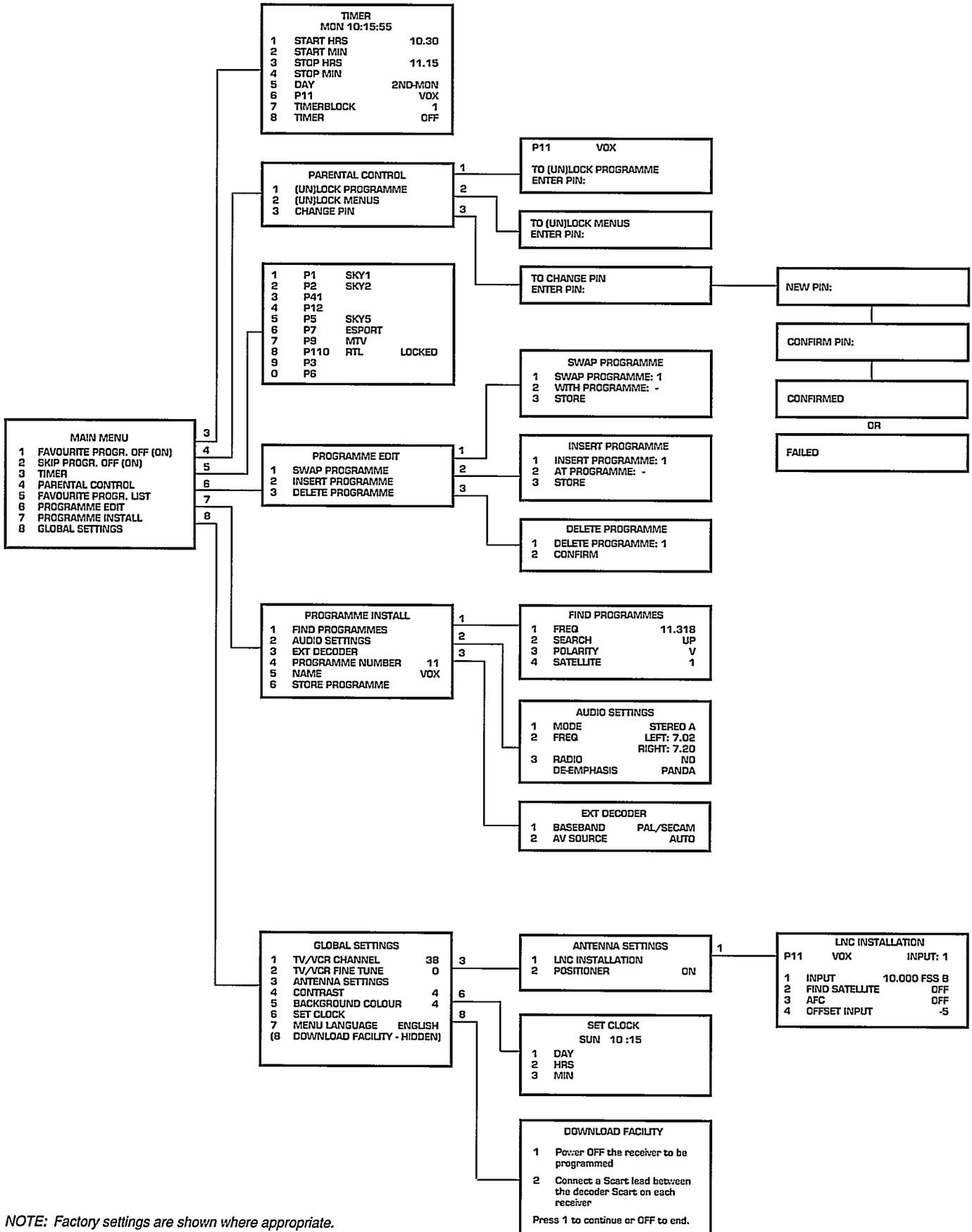
### Menu Background

Most of the menus are displayed on a plain, coloured background, but some (those where you need to see the programme or picture quality) are displayed on top of the current programme. In the LNC Installation Menu and at the CONTRAST option of the Global Settings Menu, you may need to change programme. To do this, use the P+ or P- key.

Sometimes, when there is a distorted picture on the screen, the menu may be difficult to read. In such cases press the **⏸** key to give a plain coloured background to the menu. Press the **⏸** key again to remove the plain background.

### Menu Languages

This product has been designed so that you can have the on-screen menus in English or German. If, when you press the MENU key to enter the menu system, you find that the menus are not in your desired language, press the 8 key, then the 7 key and finally press either the blue + or the red - on the rocker key directly below the MENU key. This will cause the menu language to change.



NOTE: Factory settings are shown where appropriate.

### Displaying and Moving Through the Menus

To put the Main Menu on the screen, press the MENU key.

To select the next menu down the menu structure, press the appropriate numeric key, (for example, if you press the 3 key, the Timer Menu will appear on the screen).

The numeric keys are therefore used to move down the menu structure.

To move back up the structure, one menu at a time, press the MENU key. If you press the MENU key at the Main Menu, the receiver returns to normal viewing mode.

To move out of any of the menus and back to normal viewing mode at any time, press the OFF key.

### Moving Around Each Menu to Select an Option

When you are in any of the lowest menus in the structure, each of the menu options (the items listed in the menu) generally has a value associated with it. Press the appropriate numeric key to select an option. When an option is selected, its value flashes.

For some menu options, selecting the option immediately causes a specific action to be carried out. These options are described in detail when their menus are described.

### Changing the Value of Each Menu Option

When an option is selected and its value is flashing, you can alter the value.

To select each of the available values in turn, press the blue + or the red – on the rocker key (which is just below the Menu key on the handset). In all subsequent descriptions, these will be called the + key and – key.

With each press of the + key, the value displayed on the screen will change to the next available value. Pressing the – key moves back to the previous available value and both keys “wrap” when they reach the end of the range. If you hold down the + or – key, the receiver will go through the values more quickly.

### Storing the Information

In most menus, the values become current as soon as you alter them, and the values are automatically stored when you leave the menu by pressing the MENU or OFF key.

In some menus, such as the Swap, Insert and Delete Programme Menu there is a STORE or CONFIRM option which causes actions to be carried out.

In the Programme Install Menu, there is a STORE PROGRAMME option. This is used to store all the information which you have set at the Find Programmes, Audio Settings and External Decoder Menus against a particular programme number.

### Abandoning a Menu Without Storing

At a menu which has a STORE option, you can abandon the changes you have made by leaving the menu (by pressing the MENU or OFF key) **before** you select the STORE option. You can also abandon changes you have made in the Find Programmes, Audio Settings and External Decoder Menus providing you leave the menu system **before** you store this information at the Programme Install Menu. In all other menus all the settings you make are stored automatically.

## FUNCTIONS AT THE MAIN MENU

### Using Favourite Programme Mode

Using favourite programme mode saves you having to do a lot of key pressing to select those programmes you view most often. It also allows you to group together programmes covering common topics e.g. sports, films etc. The favourite programmes list is a list of your ten favourite programmes which you can edit (as described on page 14) by selecting option 5 at the Main Menu. In a new receiver, the factory set favourite programmes will be programmes 1 to 10.

If, at the Main Menu, the first option says FAVOURITE PROGR. OFF then the receiver is already in favourite programme mode. If the first option says FAVOURITE PROGR. ON, press the 1 key to put the receiver into favourite programme mode.

The receiver displays the programme which was displayed when you last left favourite programme mode, or it displays favourite programme 1 if the receiver has been powered down since it was last in favourite programme mode.

To select one of your favourite programmes, press the appropriate numeric key (1 to 0). The receiver's front panel display will show the favourite programme number preceded by an F.

If you wish to see your favourite programme list on screen, press the  $\boxed{+}$  key twice. The favourite programme numbers are given in the first column. A typical list is shown right.

*NOTE: To display the status permanently in favourite programme mode, press the  $\boxed{+}$  key three times.*

When you use the P+ and P- keys to browse in favourite programme mode, you will just cycle through the 10 programmes in the list rather than all the programmes.

To return to normal viewing mode from favourite programme mode, press the MENU key. The Main Menu will be displayed and option 1 will say FAVOURITE PROGR. OFF. Press the 1 key to turn off favourite programme mode. The receiver will display the programme you were viewing in favourite programme mode, but the receiver will actually now be in normal viewing mode.

### Skipping Programmes

You can use the skip function to designate specific programmes as having "SKIP ON". These programmes will then be skipped when you use the P+ and P- keys to browse through the programmes. The only way you can enter a skipped programme is to use the numeric keys.

To put skip onto a programme, select the programme, then press the MENU key to display the Main Menu.

If, at the Main Menu, the second option says SKIP PROGR. OFF then the programme already has "SKIP ON". If the second option says SKIP PROGR. ON, press the 2 key to put skip onto the programme. The message PROGR. SKIP ON will appear briefly on the screen.

To remove the skip from a programme, select the programme using the numeric keys, then press the MENU key. The Main Menu will be displayed and option 2 will say SKIP PROGR. OFF. Press the 2 key to turn the skip off.

The message PROGR. SKIP OFF will appear briefly on the screen. The receiver will then display the programme you were viewing, but it will no longer be skipped when you browse.

## OPERATION

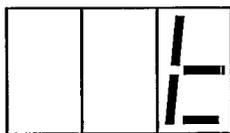
1	P1	SKY1	
2	P2	SKY2	
3	P41		
4	P12		
5	P5	SKY5	
6	P7	ESPORT	
7	P9	MTV	
8	P110	RTL	LOCKED
9	P3		
0	P6		



## TIMER MENU

## Important:

TIMER	
MON 10:15:55	
1	START HRS 10.30
2	START MIN
3	STOP HRS 11.15
4	STOP MIN
5	DAY 2ND-MON
6	P11 VOX
7	TIMERBLOCK 1
8	TIMER OFF



- The Timer Menu is shown left. The current day and time, as given by the receiver's clock, is shown beneath the menu title and this will increment as time elapses. If the clock has not been set, a flashing time will be displayed. You must set the receiver's clock for the Timer Menu to be effective (see page 21 - Set Clock Menu).
- You use the menu to record satellite programmes in conjunction with your VCR while you are out. You can record without using this menu, but in that case you could only record transmissions on one programme number and you would have to leave your receiver running on that programme while you were out. Using the Timer Menu you can record several different programmes and leave your receiver in standby when you go out.
- The clocks in your receiver and your VCR must be set to the same time, and the start and stop recording times that you set at this Timer Menu must be the same as those that you set on your VCR.
- If you have connected your VCR using a SCART lead, in order to record from the receiver you will need to select AUX or AV on the VCR as the programme to record. When replaying the VCR through the receiver, you will need to switch the receiver into standby mode or select TV using the TV/SAT key; this method of replaying is, however, only possible if the TV is also connected using a SCART lead. See also the Installation section on page 22.
- You cannot record one satellite programme while you are watching a different one. If you are watching a programme, at the start time a flashing clock symbol will appear at the bottom of the screen and the timer display (as the letter t - see left) on the receiver's front panel will flash. After one minute the receiver will automatically switch to the programme you have set to record. After the recording has finished, the receiver will go into standby mode.
- If you press the handset keys while a timerblock is being recorded, they will have no effect on the receiver (except that you can cancel during a recording - see the next page).
- To record instantly with your VCR, you can use the Sleep Timer function (see page 8 - Setting the Sleep Timer).
- When you first enter the Timer Menu, the timerblock number will be 1, the programme will be the programme you were viewing and the start time's hours value will be flashing. The start and stop times will show the time which was on the receiver's clock when you entered the menu. If the programme has been given a name, this is shown to the right of the programme number.
- You will not be able to turn on the timer for a particular timerblock unless the start time is later than the receiver clock's current time and unless the start and stop times are set to different values. If the stop time is earlier than the start time, the stop time is assumed to be on the next day.
- If the programme is locked, the message LOCKED will be displayed adjacent to the programme number. If you want this programme to be recorded, unlock it.
- You can preset up to 8 timerblocks up to 28 days in advance.
- You must specify all the times in terms of a 24-hour clock e.g. 8 pm is 20.00 hours.

## Setting Up Timerblock 1

When you enter the menu, the start hours value will be flashing. Press the + key or - key to set the required value. Press the 2 key and the start minutes value will start to flash. Press the + key or - key to set the required value.

Press the 3 key to select option 3. The stop time will change automatically to a time two hours later than the start time, but you can alter this if you wish by using the + key or - key. Press the 4 key and the stop minutes value will flash. Press the + key or - key to set the required value.

Press the 5 key then press the + key or - key to go through the weeks and days one at a time until the correct day is displayed.

The current day is shown as TODAY. Subsequent days are shown by the day of the week prefixed by 1ST, 2ND, 3RD or 4TH to show the relevant week.

Press the 6 key and the programme number will flash. Press the + key or - key to set the required number.

Press the 8 key followed by the + key or - key to turn the timer to ON rather than OFF.

You have now done all that is required to set up timerblock 1. If you want to programme more than one timerblock, do not leave the menu, but continue as described opposite.

### Setting Up Further Timerblocks

Select the TIMERBLOCK option and press the + key to set it to 2.

As soon as you do this the start and stop times will reset themselves to the receiver's current time. Enter the start and stop times, day and programme information required for the second timerblock. Press the 8 key followed by the + key or – key to turn the timer to ON for the second timerblock.

Continue in this manner until you have set up all the timerblocks you require and then leave the menu.

When you leave the menu and put the receiver into standby mode, the timer (t) display on the receiver's front panel will be lit until the recording has finished.

If any of the recording times conflict with each other, they are detected and the message TIMERBLOCK OVERLAP is displayed on the screen for a short time.

If you wish to rectify the overlap, re-enter the menu and correct the appropriate start and/or stop times. If you do not rectify it, the end of the overlapped timerblock will be lost.

### Cancelling Timerblocks

If you decide you no longer want to record one of the programmes that you set up in the Timer Menu, you can turn off the appropriate timerblock.

Enter the Timer Menu and select the timerblock you wish to cancel, then press the 8 key followed by the + key or – key to turn the timer OFF.

To cancel during the recording of a timerblock, press the ⏻ key quickly followed by the OFF key.

## PARENTAL CONTROL MENU

### Important:

- The menu is shown right. If the programme/menus are currently unlocked, the menu will read LOCK PROGRAMME/MENUS. If they are currently locked, it will read UNLOCK PROGRAMME/MENUS and there will be the message MENUS LOCKED at the bottom of the Parental Control Menu and the Main Menu.
- In this menu you need to key in your personal identification number (PIN). You only have a short time to enter the 4 digits. If you do not enter them within this time, the receiver will revert to normal viewing mode, briefly displaying the programme number and name (if named) at the top of the screen as it does so.
- If, at any time, you key in the wrong PIN, the message NOT VALID PIN appears and you will have to try again.
- **The value of the factory set PIN (as in a new receiver) is given on page 25. We recommend that you customise your PIN, as described in the section Changing the PIN overleaf, rather than use the factory set value.**

### Locking a Programme

To lock a programme, select the programme, display the Parental Control Menu, then press the 1 key.

The message TO LOCK PROGRAMME ENTER PIN: appears on the screen with the programme number and name (if it is named) displayed above it.

Key in your PIN.

If you have entered the correct PIN, the message PROGRAMME LOCKED appears on the screen; if you have entered an incorrect PIN, the message NOT VALID PIN appears.

The programme you have just locked will remain on screen so that you can continue viewing, but if you leave this programme and go to another, you will not be able to return to your locked programme unless you key in your PIN.

If you try to select a locked programme, the message PROGRAMME LOCKED ENTER PIN: appears.

Key in your valid PIN and the programme will appear on the screen.

PARENTAL CONTROL	
1	(UN)LOCK PROGRAMME
2	(UN)LOCK MENUS
3	CHANGE PIN

P11	VOX
TO (UN)LOCK PROGRAMME ENTER PIN:	

## OPERATION

### Unlocking a Programme

To unlock a programme, key in the programme number.

When the message PROGRAMME LOCKED ENTER PIN: appears, key in your PIN.

You have now temporarily unlocked the programme.

To unlock it permanently, display the Parental Control Menu, then press the 1 key.

When the message TO UNLOCK PROGRAMME ENTER PIN: appears on the screen, key in your PIN.

The programme will be permanently unlocked and the message PROGRAMME UNLOCKED is displayed.

### Locking and Unlocking the Menus

If you lock the menus, the Main Menu comprises only the first four options. You are not able to enter the Favourite Programme List, Programme Edit, Programme Install and Global Settings Menus.

To lock the menus, display the Parental Control Menu, then press the 2 key.

When the message TO LOCK MENUS ENTER PIN: appears, key in your PIN.

If you have entered the PIN correctly, the message MENUS LOCKED appears.

To unlock the menus, display the Parental Control Menu, then press the 2 key.

When the message TO UNLOCK MENUS ENTER PIN: appears, key in your PIN.

If you have entered the PIN correctly, the message MENUS UNLOCKED appears.

### Changing the PIN

*NOTE: We recommend that you customise the PIN. If you forget it, consult page 25 for details on how to restore the factory set PIN.*

To change the PIN, display the Parental Control Menu and then press the 3 key.

The message TO CHANGE PIN ENTER PIN: appears.

Key in the existing PIN (note that you only have about 4 seconds to do this and for a new receiver you will need to key in the factory set PIN).

The message NEW PIN: appears.

Key in four numbers of your choice.

The message CONFIRM PIN: appears.

Key in again the four numbers which make up your new PIN.

Providing you have typed in the same PIN at the CONFIRM PIN message as at the NEW PIN message, your new PIN will now be valid and the message CONFIRMED is displayed briefly.

If there is a discrepancy between the PINs you keyed in, the new PIN will not be accepted. The message FAILED will appear and you will need to repeat the whole procedure.

TO (UN)LOCK MENUS  
ENTER PIN:

TO CHANGE PIN  
ENTER PIN:

## FAVOURITE PROGRAMMES LIST MENU

### Important:

- The Favourite Programmes List Menu is shown left. You use it to set up the 10 programmes which you can access quickly when you are in favourite programme mode (see page 11).
- The first column gives the favourite programme numbers; the second gives the actual programme numbers; the third gives the programme name, if it has one. If the programme is locked, the word LOCKED appears in the fourth column.
- All 10 favourite programme numbers must contain information, but if you do not want to cycle through all 10 options when you are in favourite programme mode, you can always put a "skip" on those you do not require.

### Setting Up the Favourite Programmes List

Press the appropriate numeric key to select the favourite programme numbers in turn and use the + key or – key to change the programme number you wish to assign to each. When you leave this menu the list will automatically be stored.

1	P1	SKY1	
2	P2	SKY2	
3	P41		
4	P12		
5	P5	SKY5	
6	P7	ESPORT	
7	P9	MTV	
8	P110	RTL	LOCKED
9	P3		
0	P6		

## PROGRAMME EDIT MENU

### Important:

- The Programme Edit Menu and its three sub-menus are shown right. You use them to change the satellite channel information assigned to each of the programme numbers.
- You can also “copy” the channel information from one programme number to another so that this new information overwrites any information which was on that programme number. This is, however, done from the Programme Install Menu, as described on page 16.
- It is important to take account of the fact that when the information is deleted or inserted, the channel information “moves” to fill up the “empty” programme numbers, as shown in the examples on the right (where example programmes 1 to 6 are listed). For each example, the starting point is the first list headed STARTING POINT.
- Be careful before you delete a programme (i.e. delete the satellite channel information from a programme number). If you later want to restore this programme and do not have the same channel information on another programme number (so that you can insert or copy it from there), you will have to set up the programme again from scratch using the Programme Install Menu.
- As you change the programme numbers, the relevant programme will be displayed as the background to the menu (unless the programme is locked, in which case the existing programme remains displayed).

### Swapping Programmes

When you enter the Swap Programme Menu, option 1 gives the number of the programme you are viewing and option 2 does not contain a programme number. Select option 1 and use the + key or – key to alter the number if required. Select option 2 and use the + key or – key to enter the number.

Press the 3 key to store this change.

The message INFORMATION STORED appears briefly on the screen.

If you were now to leave the menu and browse through the programmes you would find that the satellite channel which was at one programme number is now at the other programme number and vice versa, as shown in the example. All other programmes remain unchanged.

If you remain in the menu after storing, the menu reverts to giving the original programme number in option 1 and no programme number in option 2. You can then perform further swaps if you wish before leaving the menu.

### Inserting a Programme

When you enter the Insert Programme Menu, option 1 gives the number of the programme you are viewing and option 2 does not contain a programme number. Select option 1 and use the + key or – key to alter the number if required.

Select option 2 and use the + key or – key to enter the number.

Press the 3 key to store this change.

The message INFORMATION STORED appears briefly on the screen.

If you were now to leave the menu and browse through the programmes you will find that the satellite channels assigned to several of the programme numbers will have changed.

Consider the example shown right, where programme 2 is inserted at programme 5. The satellite channel (SKY2) which was at programme 2 is now at programme 5. The satellite channels at programme numbers 3 and 4 have also changed (effectively shifted along by one programme number) with the result that the channel (SKY2) which was at 2 is now **after** the channel (VOX) which was at 5. If, instead, programme 5 had been inserted at programme 2, VOX would be **before** SKY2 in the list. All programme information before 2 and after 5 remains unchanged.

If you find that you have “miscalculated by one” when inserting programmes, you can always use the SWAP option to rectify the problem.

If you remain in the menu after storing, the menu reverts to giving the original programme number in option 1 and no programme number in option 2. You can then perform further insertions if you wish before leaving the menu.

## OPERATION

PROGRAMME EDIT	
1	SWAP PROGRAMME
2	INSERT PROGRAMME
3	DELETE PROGRAMME

SWAP PROGRAMME	
1	SWAP PROGRAMME: 2
2	WITH PROGRAMME: 5
3	STORE

INSERT PROGRAMME	
1	INSERT PROGRAMME: 2
2	AT PROGRAMME: 5
3	STORE

DELETE PROGRAMME	
1	DELETE PROGRAMME: 2
2	CONFIRM

If the STARTING POINT is always:

Prog No.	Channel Info.
1	SKY 1
2	SKY 2
3	ESPORT
4	MTV
5	VOX
6	SKY 3

Swapping Prog. 2 with Prog. 5 gives:

Prog No.	Channel Info.
1	SKY 1
2	VOX
3	ESPORT
4	MTV
5	SKY 2
6	SKY 3

Inserting Prog. 2 at Prog. 5 gives:

Prog No.	Channel Info.
1	SKY 1
2	ESPORT
3	MTV
4	VOX
5	SKY 2
6	SKY 3

Deleting Prog. 2 gives:

Prog No.	Channel Info.
1	SKY 1
2	ESPORT
3	MTV
4	VOX
5	SKY 3
6	FILMNT

(FILMNT was previously at Prog. 7)

### Deleting a Programme

When you enter the Delete Programme Menu, option 1 gives the number of the programme you are viewing.

Select option 1 and use the + key or – key to alter the number if required.

Press the 2 key to confirm the deletion.

The message INFORMATION STORED appears briefly on the screen.

It is important to realise that you do not actually delete the programme, as there are always 199 programmes. You are deleting the satellite channel information from a particular programme number. This does not leave that programme number “empty”; all the channel information assigned to the subsequent programmes will effectively be shifted along by one, as shown in the example. For this reason the deletion process may take some time, and the handset will remain inoperable during this period.

### PROGRAMME INSTALL MENU

#### IMPORTANT:

PROGRAMME INSTALL	
1	FIND PROGRAMMES
2	AUDIO SETTINGS
3	EXT DECODER
4	PROGRAMME NUMBER 11
5	NAME VOX
6	STORE PROGRAMME

- The Programme Install Menu is shown left. From this menu you can open up various sub-menus, all of which are concerned with setting up individual programmes on your receiver. At this menu you can also name a programme or change its name and you can copy channel information from one programme number to another.
- When you enter the Programme Install Menu, the programme number shown at option 4 is that of the programme you were viewing when you entered the menu.
- When your receiver is new, it has already been programmed with most of the satellite channels. A separate list of preset programmes 1 to 199 is provided with this manual.
- You will need to use the Programme Install Menu to tune in to and specify new programmes, or to alter the existing settings on a per-programme basis. You may wish to look up satellite transmission information in the current issue of a satellite TV magazine while you are using the Programme Install Menu and its sub-menus.
- In any of these menus, you can see the current programme number on the receiver’s front panel display.

### STORING PROGRAMME INFORMATION

If you leave this menu or any of its sub-menus by pressing the MENU or OFF key, any information you have changed will be lost unless you store it first.

To store the information (against the programme number shown in option 4), press the 6 key at the Programme Install Menu. The message INFORMATION STORED will be displayed briefly.

### COPYING A PROGRAMME

You can copy the satellite channel information from one programme number to a different programme number. The programme you are copying from remains the same and the programme you are copying to is overwritten with the new information, so that the two programme numbers end up containing the same satellite channel. All other programmes remain unaffected.

In normal viewing mode, select the programme you wish to copy **from**, then press the MENU key followed by the 7 key to display the Programme Install Menu.

Press the 4 key so that the programme number flashes and press the + key or – key until the number of the programme you wish to copy **to** is displayed.

If required, select option 5 and alter the programme name (as described below).

Press the 6 key to store the copy to its new programme number.

### CHANGING A PROGRAMME NAME

If, when you entered the Programme Install Menu, the programme you were viewing already had a name, this will be shown in the menu. The name can be up to 6 characters long; it can contain spaces, but each space counts as one character.

Select option 5.

The first character of the name will flash, or there will be a flashing cursor at the position for the first character.

Press the + key or – key to go through all the available characters, until the required first character is displayed.

During this process, the numbers 0 to 9, followed by the letters of the alphabet and finally a space are shown, one at a time.

When you selected option 5, the message "Press 5 again to advance to next character" appeared at the bottom of the menu.

Press the 5 key to move to the position of the second character and use the + key or – key to set it. Continue in this manner until all of the required characters have been changed or entered.

Press the 6 key to store this as the name of the programme number shown in option 4.

## FIND PROGRAMMES MENU

### Important:

- The Find Programmes Menu is shown right.
- The SATELLITE option is only relevant if you have installed a compatible dish positioner and will only be present in this menu if you have set the POSITIONER option at the Antenna Settings Menu to ON (see page 20).

### Setting the Frequency

Set the required frequency value by pressing the + key or – key to go through the frequency values one at a time.

*NOTE: If the frequency value shown in this menu does not seem to correspond with the frequency value given in a satellite TV magazine for the satellite transmission you are viewing, then the INPUT option in the LNC Installation Menu is probably set to the incorrect value (see page 20 - the LNC Installation Menu).*

*NOTE: If you have entered the correct frequency but see a plain coloured screen rather than a picture, the signal may be too weak to disable this plain screen (perhaps because your dish antenna is out of alignment). Alternatively, you may have pressed the  key to force a plain screen, so press  to check this.*

### Searching the Frequencies to Find New Programmes

If you want to set up a new programme, but do not know its frequency, you first need to locate the required satellite channel, and to do this you turn on the frequency search.

Press the 2 key to select option 2 and the search will start immediately.

The frequency value given in option 1 will keep changing and then stop when the next satellite transmission frequency is reached. The background to the menu will be a solid colour until the transmission frequency is reached, then a programme appears as the menu's background.

If this is a transmission frequency you wish to allocate to a programme number, exit the scan by selecting another option on the menu.

This frequency may, however, be one which is already allocated to an existing programme number, or it may be a transmission that you are not interested in, so you can continue the scan by pressing the + key or the – key. Press the + key to continue the search up the frequency band to higher frequencies; press the – key to search down the band. There will be a wrap at the end of the band.

### Setting the Polarity

For a voltage-switching polarizer, there are two possible polarity values: H (for horizontally polarized) and V (for vertically polarized).

Select the POLARITY option and press the + key or – key to set the required value.

### Setting the Satellite

If you have connected a dish positioner to your receiver, you should set the POSITIONER option at the Antenna Settings Menu to ON (see page 20). This will cause the SATELLITE option to appear in the Find Programmes Menu. If you do not have a positioner, you should set the POSITIONER option to OFF.

If you have a Philips dish positioner, such as the SCC224, you can set it up to point the dish antenna at different satellites. The SATELLITE option in the Find Programmes Menu allows you to specify these dish antenna positions on a per-programme basis, so that when the receiver and positioner are connected together via a SCART lead, the dish antenna can move when programmes are selected at the receiver. The SATELLITE option can have any value between 1 and 128, but the relevant values depend on the settings on your dish positioner.

Find out which satellite transmits the programme, check on your dish positioner which position this satellite has, then set this value at the SATELLITE option using the + key or – key.

FIND PROGRAMMES	
1	FREQ 11.318
2	SEARCH UP
3	POLARITY V
4	SATELLITE 1

**Storing the Find Programmes Information**

The values you have set at this menu can be stored using the STORE PROGRAMME option at the Programme Install Menu. Before you do this, however, you can, if required, alter the audio settings and external decoder information as described below.

**AUDIO SETTINGS MENU**

**Important:**

- The Audio Settings Menu is shown left. It is used to set the audio mode for each programme. Some modes provide commentaries in different languages; some provide satellite radio stations. Consult a channel listing in a satellite TV magazine for details.
- The values for options 1 and 2 are interdependent. It is also possible to customise an audio mode.
- Stereo modes always have PANDA de-emphasis, therefore the DE-EMPHASIS option cannot be selected for these modes, although it will remain (without a preceding number) on the screen.
- All the mono modes except MONO 1 are preset to have PANDA de-emphasis; MONO 1 is preset to 50 µs. You can change the de-emphasis if you customise a mono mode, therefore when the mono modes are selected the DE-EMPHASIS option gains a preceding number and can therefore be selected.

AUDIO SETTINGS	
1 MODE	STEREO A
2 FREQ	LEFT 7.02 RIGHT 7.20
3 RADIO	NO
DE-EMPHASIS	PANDA

**FSS, DBS and T-COM Bands**

Stereo A	7.02 & 7.20 MHz	(PANDA 1)
Stereo B	7.38 & 7.56 MHz	"
Stereo C	7.74 & 7.92 MHz	"
Stereo D	8.10 & 8.28 MHz	"
Mono 1	6.50 MHz	(50 us)
Mono 2	7.02 MHz	(PANDA 1)
Mono 3	7.20 MHz	"
Mono 4	7.38 MHz	"
Mono 5	7.56 MHz	"
Mono 6	7.74 MHz	"
Mono 7	7.92 MHz	"
Mono 8	8.10 MHz	"
Mono 9	8.28 MHz	"

**C-Band**

Stereo A	5.58 & 5.76 MHz	(PANDA 1)
Stereo B	5.94 & 6.12 MHz	"
Stereo C	6.30 & 6.48 MHz	"
Stereo D	6.66 & 6.84 MHz	"
Mono 1	6.60 MHz	(50 us)
Mono 2	6.65 MHz	"
Mono 3	6.80 MHz	"
Mono 4	5.94 MHz	(PANDA 1)
Mono 5	6.12 MHz	"
Mono 6	6.30 MHz	"
Mono 7	6.48 MHz	"
Mono 8	6.66 MHz	"
Mono 9	6.84 MHz	"

**Setting the Audio Mode**

Use the + key or – key to go through the available values one at a time until the required mode is displayed.

The mode can have any of the preset values STEREO A to D or MONO 1 to 9 (see the tables).

**Setting the Audio Frequency**

As you change the audio mode at option 1, the frequency shown in option 2 will automatically change to the appropriate value. The audio frequencies are given in megahertz (MHz).

*NOTE: Using the + key or – key to change the frequency will customise it (see opposite).*

**Customising the Audio Frequency**

At option 2, press the + key or – key to change the frequency by 0.01 MHz at a time to set it in the range 5.00 to 9.00 MHz.

As soon as you customise the frequency, the mode value (whether MONO or STEREO) will have the suffix V rather than a letter or number. For stereo modes, as you customise the left frequency, the right frequency will change accordingly, so that their frequency difference is always 0.18 MHz (180 kHz).

**Selecting Blank Screen Radio Mode**

The RADIO option allows you to blank the screen so that you can listen to satellite radio channels without having to view a picture on the screen.

Press the + key or – key to toggle the blank screen radio mode between YES (on) or NO (off).

**Customising the De-emphasis for Mono Modes**

If you have selected a MONO mode at option 1, you can customise the de-emphasis. At the DE-EMPHASIS option, press the + key or – key to go through available values. De-emphasis can be PANDA, 50 µs or J17. As soon as you change the de-emphasis from the preset value, the mode will become MONO V.

**Storing the Audio Settings Information**

The values you have set at this menu can be stored using the STORE PROGRAMME option at the Programme Install Menu. Before you do this, however, you can, if required, alter the information at the Find Programmes and External Decoder Menus.

## EXTERNAL DECODER MENU

### Important:

- The External Decoder Menu is shown right. Attaching an external decoder to your receiver will allow you to view scrambled transmissions.
- Although your receiver is a PAL satellite receiver, an external MAC decoder will allow you to watch MAC as well as PAL/SECAM transmissions. You will, however, need to set the baseband provided by this DECODER SCART connector to the correct value and select the source of the audio and video signals.

### Setting the Baseband

At the BASEBAND option, press the + key or – key to set PAL/SECAM or MAC.

### Setting the Audio and Video Source

At the AV SOURCE option, press the + key or – key to go through the three available values until the required one is displayed.

AUTO is automatic audio and video loop-through to the receiver's TV SCART connector, which will occur if the decoder recognises pin 8 of the receiver's DECODER SCART connector.

If your decoder does not control pin 8 of the receiver's DECODER SCART connector, you need to set the audio and video source to one of the external values EXT-V or EXT-AV. These force a loop-through from the receiver's DECODER SCART connector to its TV SCART connector; EXT-V loops only the video signal, whereas EXT-AV loops the audio and video signals (sound and picture).

*NOTE: If you select one of the EXT values and you do not have an external decoder fitted, the picture will disappear from your screen.*

### Storing the External Decoder Information

The values you have set at this menu can be stored using the STORE PROGRAMME option at the Programme Install Menu. Before you do this, however, you can, if required, alter the information at the Find Programmes and Audio Settings Menus.

## GLOBAL SETTINGS MENU

### IMPORTANT:

- The Global Settings Menu is shown right. From this menu you can open up sub-menus, all of which are used to set up system (rather than programme) parameters. You can also perform UHF tuning and set the contrast and background colour.
- There is a hidden option at this menu. Pressing the 8 key will display the Download Facility Menu. This menu has been included to assist dealers and is not designed for receiver users. If you should accidentally display the Download Facility Menu, press the MENU key to redisplay the Global Settings Menu or press the OFF key to revert to normal viewing mode.

### UHF TUNING

Options 1 and 2 of the Global Setting Menu are concerned with UHF tuning.

Option 1 is used to tune your satellite receiver into the chosen channel on your TV, if your receiver and TV are connected via coaxial cable. Initially the menu is not likely to be seen; it becomes visible as tuning progresses.

See page 6, where this UHF tuning is described in detail.

### UHF Fine Tuning

The second option can be used for fine tuning, although this is not often required.

Select option 2 and press the + key or – key to go through the values one at a time until the best quality picture of the menu can be seen on the screen.

Fine tune can have any value between -15 and +16. As you fine tune, the value will also be displayed on the receiver's front panel.

The fine tune values "wrap" in a special way at the ends of their range. If there is a fine tune value of +16, then when you press the + key the fine tune value will become -15 and the channel number (shown in option 1 of the menu) will be incremented by 1. If there is a fine tune value of -15, then when you press the – key the fine tune value will become +16 and the channel number (shown in option 1 of the menu) will be decremented by 1.

## OPERATION

EXT DECODER	
1 BASEBAND	PAL/SECAM
2 AV SOURCE	AUTO

GLOBAL SETTINGS	
1 TV/VCR CHANNEL	38
2 TV/VCR FINE TUNE	0
3 ANTENNA SETTINGS	
4 CONTRAST	4
5 BACKGROUND COLOUR	4
6 SET CLOCK	
7 MENU LANGUAGE	ENGLISH
(8 DOWNLOAD FACILITY)	

## ANTENNA SETTINGS MENU

The Antenna Settings Menu is shown left. Option 1 is used to enter the LNC Installation Menu which is described in its own section, starting below.

ANTENNA SETTINGS	
1 LNC INSTALLATION	
2 POSITIONER	ON

### Setting the Positioner

If you have attached a compatible dish positioner (such as the Philips SCC224) to your receiver, select the POSITIONER option and use the + or – key to set it to ON.

If you are not using a positioner set this option to OFF.

When this POSITIONER option is set to ON, the SATELLITE option will be present in the Find Programmes Menu (see pages 17 and 18).

## LNC INSTALLATION MENU

### Important:

- The LNC Installation Menu is shown left. It is always displayed on top of a programme, and you can use the P+ and P– keys to change the displayed programme. The current programme's number and name (if it has one) are given at the top of the menu under the title.
- The menu states that the programme is received at input 1. There is only one input, but note that it is labelled as 2 on the receiver's rear panel.
- Option 4 only appears on this menu if the AFC at option 3 is set to OFF.
- Before making adjustments at the LNC Installation Menu, leave the receiver powered up for a few minutes to ensure the LNC has reached its operating temperature.

LNC INSTALLATION	
P11 VOX	INPUT: 1
1 INPUT	10.000 FSS B
2 FIND SATELLITE	OFF
3 AFC	OFF
4 OFFSET INPUT	-5

### Setting the Input

Some LNCs cover more than one band. The input option allows you to set one of the following five frequency bands:

Setting	Freq. Range (GHz)	Typical Satellites
9.750 FSS A	10.700 - 11.800	Astra 1A,B,C,D/Intelsat/Eutelsat
10.000 FSS B	10.950 - 12.050	Astra 1A,B,C/Intelsat/Eutelsat
10.750 DBS	11.700 - 12.800	TDF/TVSAT/HISPASAT
11.475 T-COM	12.425 - 13.525	TELECOM
5.150 CBAND	3.050 - 4.200	Asiasat

The numbers shown before the band names are the local oscillator frequencies of your LNC in GHz.

The value set here will influence the frequency value displayed in the Find Programmes Menu (see page 17). There, for example, if you tune into SKY NEWS (which comes from the Astra satellite) and can see this programme on the screen, the correct frequency value of 11.377 GHz will not be displayed unless you have set the input to the correct band (i.e. FSS B) at this LNC Installation Menu. You can continue to watch SKY NEWS, but the frequency value displayed will be incorrect.

You must, therefore, decide the frequency range of the programmes and ensure that the LNC is capable of receiving this band.

At the INPUT option, press the + key or – key to go through the frequency band options until the required band is displayed.

### Scanning the Frequencies to Find a Satellite

The FIND SATELLITE option can be used to help you adjust the position of your dish antenna in order to find the transmissions from a particular satellite.

This feature is very useful when you first align your dish antenna and the signal is too weak to disable the plain background in normal frequency search mode (see page 17 for details of this search mode).

At the LNC Installation Menu, press the 2 key to start the scan and move your dish antenna during the scanning until you obtain a stronger signal and better picture.

The receiver will scan quickly through the whole frequency range and there will always be a picture (although this will sometimes be noisy and distorted) as the menu's background, rather than a plain coloured background.

When you have aligned the dish antenna sufficiently to obtain a stronger signal, press any key to turn off the scan.

*NOTE: Although any key will stop the scan, certain keys will, at the same time, start other actions (e.g. select other options or menus) therefore pressing the + key or – key is the best way to stop the scan.*

### Setting AFC for the LNC Offset

LNC offset is adjusted to correct for variations in the LNC output frequency. In practical terms, it is used to optimise the picture to get it as free from “sparklies” as possible. The receiver can compensate automatically for variations in the LNC’s frequency using a feature called AFC (automatic frequency control)

Select option 3 and press the + key or the – key to toggle AFC ON and OFF.

If you turn AFC off, a fourth option will appear at the bottom of the menu enabling you to set the LNC offset manually, as described below.

### Setting the LNC Offset Manually

Occasionally you may need to set an actual value for the offset, if you do not see a good quality picture with AFC. To do this, proceed as follows.

Turn off AFC as described in the preceding section.

Option 4 will appear on the menu.

Select option 4 then press the + key or – key to go through the available values until you get the clearest picture on the screen.

The offset can have any value between -15 and 15.

### SETTING THE CONTRAST

To set the contrast, select option 4 of the Global Settings Menu.

The menu will then be displayed on a programme rather than on its usual plain background.

View the picture on the screen and press the + key or – key to go through the values until you get the optimum contrast. Possible values are 1 to 8; the factory set value is 4.

Although you cannot set contrast on a per-programme basis, you can change programme using the P+ or P– key while the CONTRAST option is selected. This means that you can check the result of your contrast setting over a number of programmes, and adjust it if necessary to get the best compromise.

### SETTING THE BACKGROUND COLOUR

To set the background colour, select option 5 of the Global Settings Menu and press the + key or – key to go through the values until you get the required colour.

The colour can have any value between 1 and 8, as shown in the table right. The factory setting is 4 (blue).

NUMBER	COLOUR
1	Red
2	Khaki Green
3	Bottle Green
4	Blue
5	Violet
6	Brown
7	Moss Green
8	Purple

### SET CLOCK MENU

#### Important:

- If you turn off the power to your receiver the clock information will be lost, therefore you should turn off your receiver by placing it in standby mode.
- If the clock is not set, you will see a flashing time when you press the  key or enter the Timer Menu. You do not need to set the clock for the sleep timer.
- The clock must be set as a 24-hour clock (e.g. 8 pm is 20.00).

#### Setting the Current Time

The Set Clock Menu is shown right.

Press 1 key and the day will flash. Press the + key or – key until the correct day is displayed.

Press 2 key and the hours will flash. Press the + key or – key until the correct hours value is displayed.

Press 3 key and the minutes will flash. Press the + key or – key until the correct minutes value is displayed.

SET CLOCK	
SUN 10:15	
1	DAY
2	HRS
3	MIN

### SETTING THE MENU LANGUAGE

The menus in the menu system can be in English or German.

Select option 7 at the Global Settings Menu then press the + key or – key to toggle between the two languages.

## INSTALLATION

### Important:

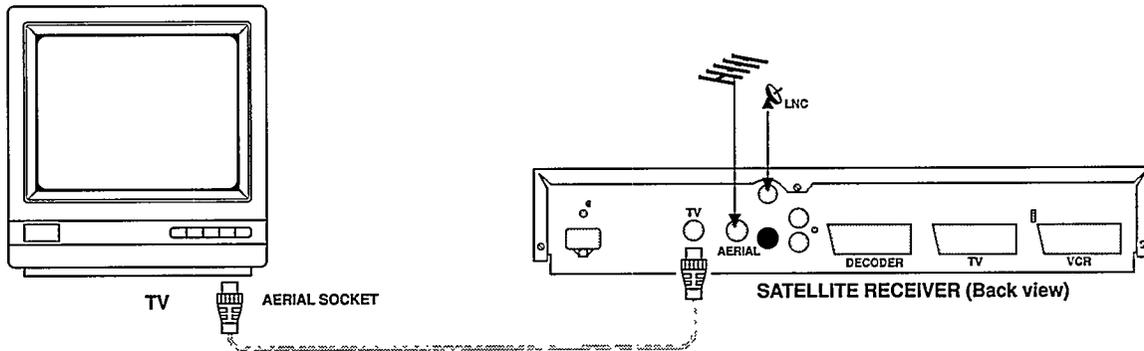
- Do not turn on the power to your receiver, TV, VCR etc. until you have made the necessary cable interconnections.
- These instructions and diagrams show the UHF (TV) aerial connected to the receiver (i.e. looped-through the receiver). If you install it in this way, you should put the receiver into standby, rather than power it off, when it is not in use, otherwise you will not be able to view terrestrial TV programmes.
- You can connect the UHF aerial directly to the TV or VCR if you connect your TV to your receiver using a SCART lead.
- When you have carried out one of the installation schemes described below, refer to the Global Settings Menu section on page 19 of this manual. The LNC Installation Menu contains a FIND SATELLITE option which can be used to help in the positioning of the dish antenna.
- If the receiver is connected to the TV/VCR using coaxial cable, stereo sound will not be available from your TV.
- If there is a short-circuit in the cable which connects the LNC to your receiver, the receiver will not work and may generate clicking noises.

### Connecting to a TV Using Coaxial Cable

Connect the cable from the dish antenna to the LNC socket on the rear panel of the receiver.

Connect the UHF (TV) aerial to the AERIAL socket on the receiver.

Connect a coaxial cable from the TV socket on the receiver to the aerial socket on your TV.



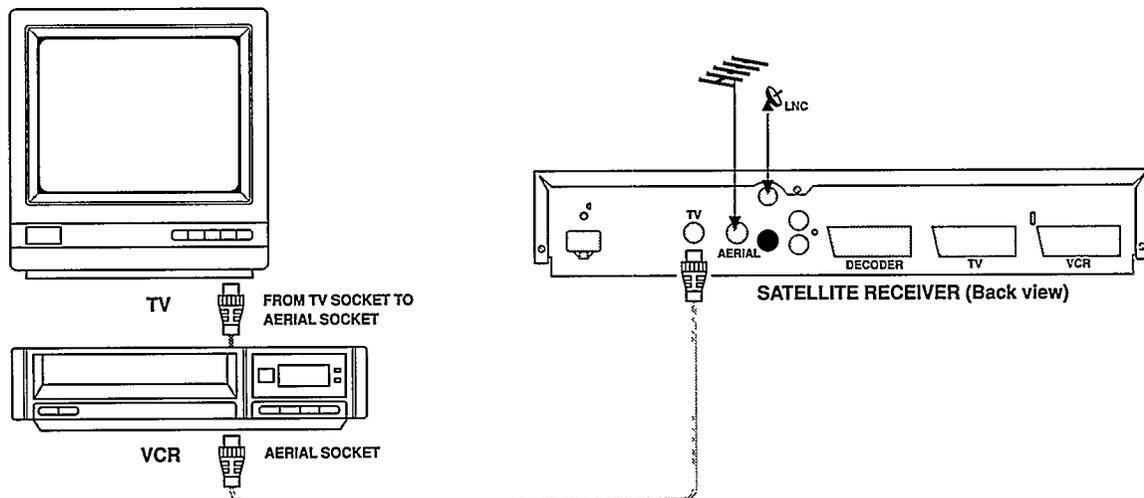
### Connecting to a TV and a VCR Using Coaxial Cable

Connect the cable from the dish antenna to the LNC socket on the rear panel of the receiver.

Connect the UHF (TV) aerial to the AERIAL socket on the receiver.

Connect a coaxial cable from the TV socket on the receiver to the aerial socket on your VCR.

Connect a coaxial cable from the TV socket on your VCR to the aerial socket on your TV.



### Connecting to a TV and VCR Using SCART Leads

Connect the cable from the dish antenna to the LNC socket on the rear panel of the receiver.

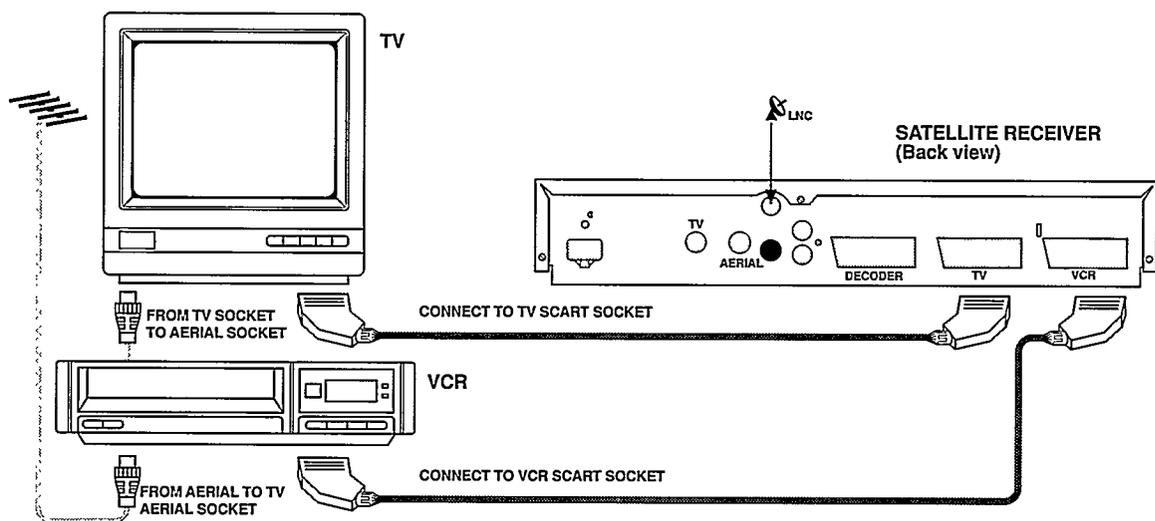
Connect the UHF (TV) aerial either by looping it through the receiver and VCR (as shown on the previous page) or by connecting it to the TV or VCR directly (as shown below).

Connect a SCART lead from the TV SCART connector on your receiver to the SCART connector on your TV.

Connect a SCART lead from the VCR SCART connector on your receiver to the SCART connector on your VCR.

*NOTE: If you have connected your TV using a SCART lead, then you can use the TV/SAT key on your handset to switch between terrestrial and satellite reception, providing your TV recognises pin 8 of the SCART socket.*

*NOTE: If you have connected your VCR using a SCART lead, to record from the receiver you will need to select AUX or AV on the VCR as the programme to record. When replaying the VCR through the receiver, you will need to switch the receiver to standby mode or select TV using the TV/SAT key; this method of replaying is, however, only possible if the TV is also connected using a SCART lead.*



### Connecting an External Decoder

If you wish to view scrambled transmissions you will need to connect an external decoder.

Connect the decoder to the receiver's DECODER SCART connector.

Refer to the External Decoder Menu under the Programme Install Menu to set the baseband and the audio and video source for each programme you receive via the external decoder. If the decoder does not recognise pin 8 of the DECODER SCART, then you need to set up the audio and video source to be external.

### Connecting a Philips Dish Positioner

Connect the Philips dish positioner (such as the SCC224) to your receiver's DECODER SCART socket and then refer to the Antenna Settings Menu on page 20 to set the POSITIONER option and to the Find Programmes Menu on page 17 to set up the SATELLITE option on a per-programme basis.

If you wish to connect an external decoder as well as the dish positioner, connect the dish positioner to your receiver's DECODER SCART socket and the external decoder to the decoder SCART socket on the dish positioner. It is important that you use fully specified SCART cable.

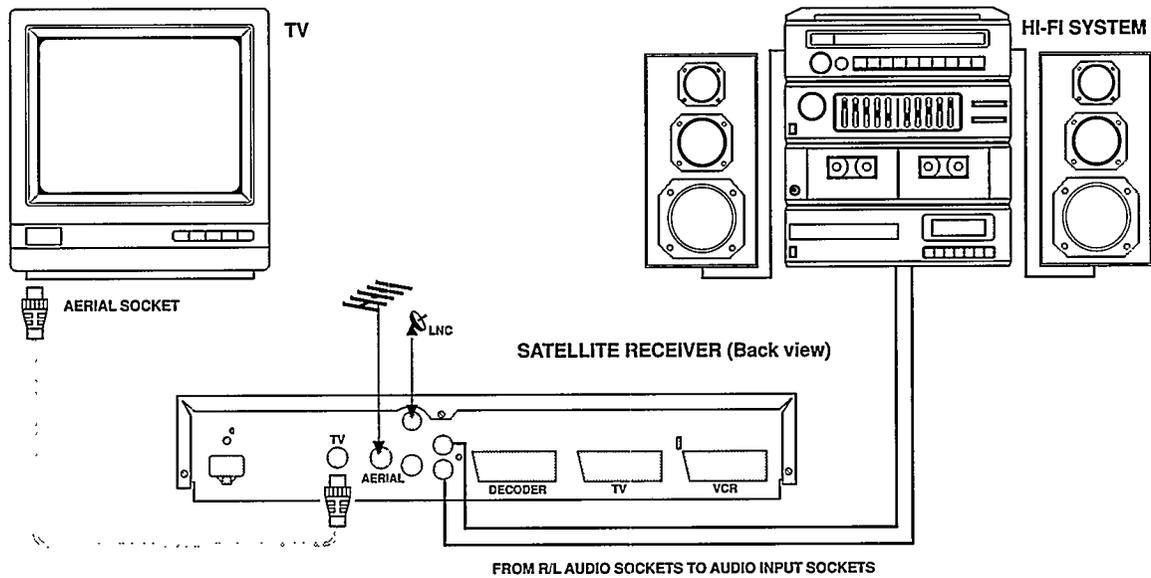
## INSTALLATION

### Connecting Stereo Equipment

To obtain the maximum performance from your receiver, we recommend that you connect your receiver to a stereo TV or to a stereo amplifier (for example, in a hi-fi system).

To connect a stereo TV, connect your receiver to your TV (and VCR, if required) using a SCART lead, as described on page 24, then select AV or AUX on your TV.

To connect to a stereo amplifier, firstly connect your receiver to your TV (and VCR, if required) using either a SCART lead or a coaxial cable, as described earlier in this section. Place the speakers either side of the TV and connect the phono leads from the AUDIO OUT sockets on your receiver to the appropriate audio input sockets on your amplifier. Switch your amplifier to Auxiliary Input.



## OUTLINE SPECIFICATION

## SPECIFICATION

### GENERAL

Number of Programmes	199
Front Panel Indicators	Green, 3-character, 7-segment display for Standby, Timer and Programme/Channel No.
Front Panel Control Buttons	Standby, Programme Up, Programme Down
UHF Modulator	CCIR PAL System G, Ch. 21 to 69, preset to Ch. 38
Operating Voltage	187 - 264 V AC, 50 Hz
Power Consumption	35 W (max.)
Dimensions	H = 66 mm, W = 360 mm, D = 210 mm
Weight	2.5 kg (typical, when packed)

### CONNECTORS

TV	SCART (RGB and CVBS)
VCR	SCART (CVBS)
DECODER	SCART, (Baseband Output, Audio/Video Input/Output, RGB in)
AUDIO OUT	Phono (L and R)
MAINS INPUT	2-pin reversible
AERIAL	IEC female
TV	IEC male
LNC	F-type

### TUNER

Receiving Frequency Range	950 - 2050 MHz
Polarity Switching	Vertical 12.1 V - 14.0 V, Horizontal 17.15 V - 19.6 V 0 - 400 mA
Input Impedance	75 $\Omega$
I. F.	479.5 MHz
I. F. Bandwidth	27 MHz
Input Level	-60 dBm to -30 dBm
Image Rejection	40 dB (typically)
Static Threshold	6 dB (typically)
Energy Dispersion Removal	35 dB (min.)

### SCART SOCKETS

Video Output Level	1 V p-p ( $\pm 2$ dB)
Video Output Impedance	75 $\Omega$
Video Frequency Range	25 Hz - 4.8 MHz ( $\pm 1.5$ dB)
Video De-emphasis (PAL)	to CCIR 405.1 (625 lines)
Baseband Output Level	1 V p-p ( $\pm 2$ dB)
Baseband Frequency Range	25 Hz - 10.5 MHz ( $\pm 1.5$ dB)
Baseband De-emphasis	PAL/SECAM or MAC, software selectable
Audio Frequency Range	30 Hz - 15 kHz
Audio Output Level	500 mV rms into 600 $\Omega$

#### Resetting the Factory Set PIN

If you wish, you can cut this section from the manual to prevent children (for example) from learning the factory setting of the PIN and how to reset this factory value. If they do not know this PIN they will be unable to view programmes you have locked because you consider them unsuitable for children. Neither will they be able to access menus you have locked. You can lock menus to prevent children from altering receiver and programme settings.

The factory setting for the PIN is 1234. If you have customised your PIN (see Parental Control Menu on page 13) and then forget what it is, you can reset the PIN to its factory value as follows. Pull the mains plug on your receiver out of its socket, then press and hold down the  $\odot$  key while you put the mains plug back into the socket. You need to hold down the key as long as the characters DP are displayed on the front panel. Note that this action also unlocks any programmes you had locked and unlocks the menus if you had locked them.

**OPERATING/STORAGE CONDITIONS**

Operating Temperature Range	5 - 40 °C
Operating Humidity Range	20 - 80% non-condensing at 25 °C
Storage Temperature Range	-20 - +50 °C
Storage Humidity Range	10 - 90% non-condensing at 25 °C

**AUDIO**

Audio Bandwidth	280 kHz wide band (mono de-emphasis PANDA 1, 50 µs or J17)
Tuning Frequency Range	5.00 - 9.00 MHz in 10 kHz steps

**FSS, DBS and T-COM Bands**

Preset Stereo Subcarriers			
Stereo A	7.02 & 7.20 MHz	(PANDA1)	
Stereo B	7.38 & 7.56 MHz	"	
Stereo C	7.74 & 7.92 MHz	"	
Stereo D	8.10 & 8.28 MHz	"	
Preset Mono Subcarriers			
Mono 1	6.50 MHz	(50 µs)	
Mono 2	7.02 MHz	(PANDA 1)	
Mono 3	7.20 MHz	"	
Mono 4	7.38 MHz	"	
Mono 5	7.56 MHz	"	
Mono 6	7.74 MHz	"	
Mono 7	7.92 MHz	"	
Mono 8	8.10 MHz	"	
Mono 9	8.28 MHz	"	

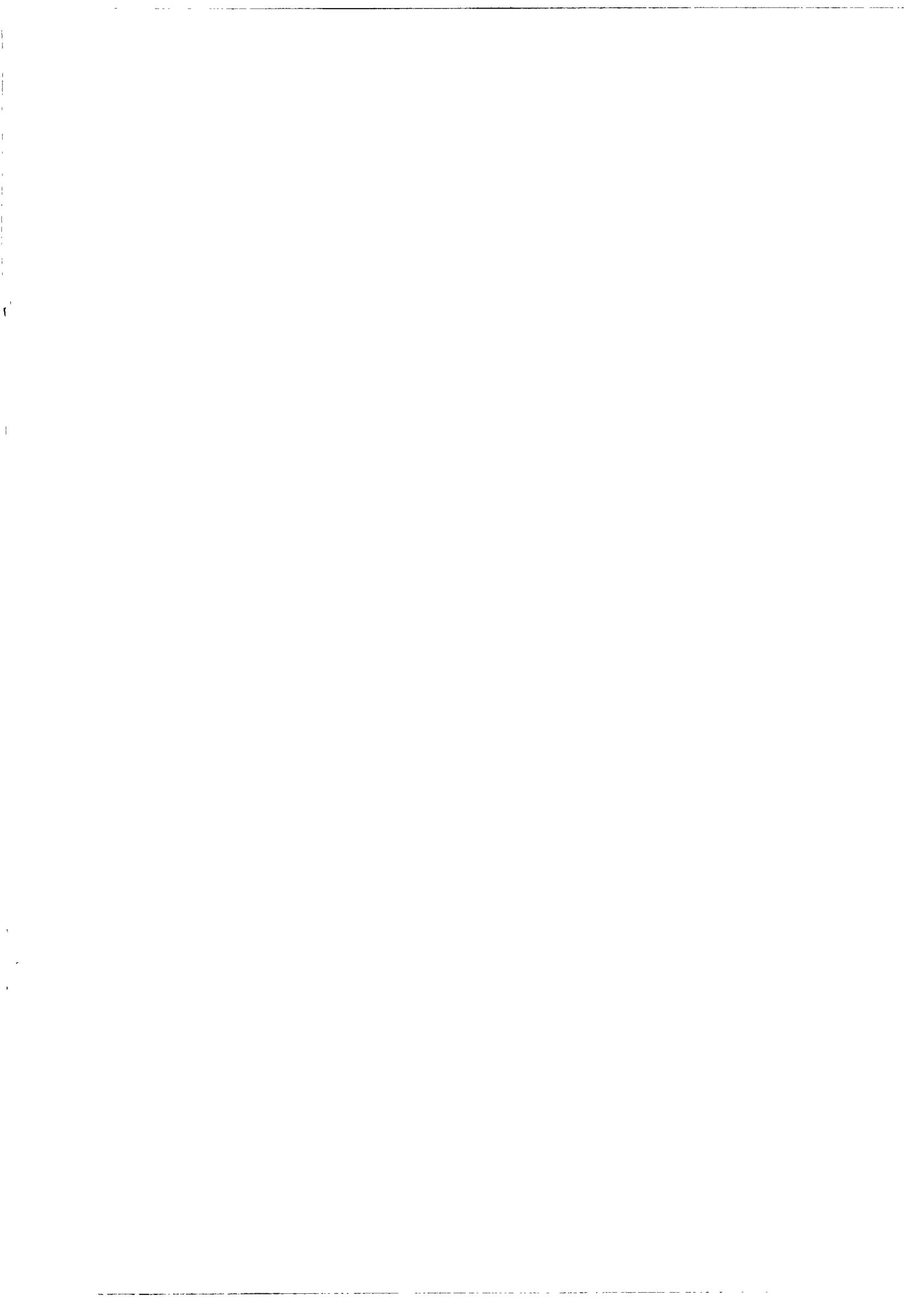
**C-Band**

Preset Stereo Subcarriers			
Stereo A	5.58 & 5.76 MHz	(PANDA 1)	
Stereo B	5.94 & 6.12 MHz	"	
Stereo C	6.30 & 6.48 MHz	"	
Stereo D	6.66 & 6.84 MHz	"	
Preset Mono Subcarriers			
Mono 1	6.60 MHz	(50 µs)	
Mono 2	6.65 MHz	"	
Mono 3	6.80 MHz	"	
Mono 4	5.94 MHz	(PANDA 1)	
Mono 5	6.12 MHz	"	
Mono 6	6.30 MHz	"	
Mono 7	6.48 MHz	"	
Mono 8	6.66 MHz	"	
Mono 9	6.84 MHz	"	

## PIN DESIGNATIONS FOR SCART CONNECTORS

## SPECIFICATION

Pin	DECODER SCART	TV SCART	VCR SCART
1	R Audio Out	R Audio Out	R Audio Out
2	R Audio In	N/C	R Audio In
3	L Audio Out	L Audio Out	L Audio Out
4	Audio Ground	Audio Ground	Audio Ground
5	Blue Ground	Blue Ground	Ground
6	L Audio In	N/C	L Audio In
7	Blue In	Blue Out	N/C
8	Ext. Decoder Status In	AV Status Out	AV Status In
9	Green Ground	Green Ground	Ground
10	N/C	N/C	N/C
11	Green In	Green Out	N/C
12	Serial Data I/O Port	N/C	N/C
13	Red Ground	Red Ground	Ground
14	N/C	N/C	N/C
15	Red In	Red Out/SVHS Chroma	SVHS Chroma
16	RGB Status In	RGB Status Out	N/C
17	Video Ground	Video Ground	Video Ground
18	Ground	Ground	Ground
19	Baseband Video Out	Video Out	Video Out
20	Video In	N/C	Video In
21	Ground (Casing)	Ground (Casing)	Ground (Casing)



- GB** IDENTITY CARD      This card, together with the terms of guarantee (to be provided by your dealer), forms the full certificate of guarantee for this appliance.
- D** GERÄTE  
KENNKARTE      Diese Karte ist, zusammen mit den Garantiebestimmungen, die Ihr Händler Ihnen aushändig, Ihr Garantieschein für dieses Gerät.
- I** CARTE  
D'IDENTIFICAZIONE      Questa cartolina rappresenta insieme alle condizioni di garanzia (da consegnare dal vostro rivenditore) il documento di garanzia per questo apparecchio.
- E** TARJETA DE  
IDENTIFICACION      La garantía de este aparato se compone de esta tarjeta y de las condiciones de garantía que le entregará su concesionario.

**PHILIPS**

