



SL65/12 "SkyPacker"

Digital Satellite Receiver

With this Receiver you can receive uncoded (Free To Air) digital satellite programs via a satellite dish.

You do not need to program the Receiver to begin with. The most important transponders and satellites are preprogrammed.

The satellite dish must be aligned on the desired satellite. The Receiver searches for other new programs as soon as you begin the automatic transpondersearching run for this satellite. Nonreprogrammed satellites can be added. You can change all Receiver settings easily via the user interface (menu) on the TV screen.

Exworks the following satellites are preprogrammed:

Astral 19°E, Hotbird 13°E, Türksat 42°E, Sirius2 5°E, Amos 4°W, Astra2 28°E, EutelSat W3A 7°E, AtlanticBird 35°W, (previously France Telecom 2D), HispaSat 30°W, HellasSat 39°E.

The multilingual user interface supports the following languages:

- German
- English
- French
- Italian
- Dutch
- Polish
- Portuguese
- Slovak
- Spanish
- Czech
- Turkish
- Hungarian



Single scart Model rear panel

Other equipment features

Software update via satellite Astra 190 east, or via the RS232 connection on the rear panel.

Short Turnon, quick boot process.

Previous channel Memory.

Fully compatibly with MPEG2 and DVB. MPEG video (MP@ML), MPEGi Audio Layer1, Layer 2.

LNB control (tone 0/22 kHz), max. current delivery for LNB 300 mA.

Symbol Rate 135 Mb/s and frequency input 9502150 MHz.

Manual input PID possible.

3 buttons on the front panel. Plug and Play.

External power supply 100240 V, 50/60 Hz, output: 12 volts; 0.75 A.

4,500 program storage memory.

Child protection (preset password: 0000) 1 favourite list and 8 programme groups.

Automatic transpondersearch. Transponderlist editor.

Analogue sound output via Phono plug (In stereo). Volume control by remote control.

AC3 Coaxial output (digital audio, SPDIF).

2 Euro SCART connections, for TV set and VCR. CVBS video output signal.

In Standby mode, a loopthrough facility allows the connection of another satellite receiver. Super Fast teletext with an 800 page memory.

Digital DVB radio reception with background onscreen display.

On programme change you see other programme information displayed.

DiSEqC 1.0, 1.2, GotoX, is supported if a suitable dish arrangement is connected.

SWAP function (via Recall key).

Screen formats adjustable to 4:3, 16:9 and automatically (letterbox).

8 Multifunction timers coupled to EPG + Sleep timer.

Electronic TV guide EPG (up to 14 days beforehand, dependent on respective transponder).

SCPC/MCPC reception standard for C/Ku band satellites.

Automatic choice of television standard with Video conversion.

Zoom function. Multipicture function.

Optical/audible Digital Sat finder for the dish alignment.

In addition, you can get a suitable program editor over our hotline. Then, with your computer, you can work on the program lists of the Receiver.



Twin Scart Model

Connecting The Receiver

The Receiver must be connected via a coaxial cable to the LNB on your satellite dish.

Connect the Receiver to the Mains Power socket only after you have connected it properly to all devices and to the LNB, otherwise the Receiver can be damaged. The coaxial cable carries power to the LNB so ensure that the inner and outer conductors can not touch each other.

Camping or caravan use

The Receiver can be also supplied with 12 volts (i.e. 11.5 volts, e.g., from a Solarpanel). Use the supplied 12 Volt cable to connect it. This cable is fitted with a cigarette lighter plug. If you remove this plug then you should ensure that the source of power is connected via a suitable safety fuse not exceeding 3 Amps.

Vehicles with 24 volt supply (e.g., TRUCK)

Please, use a 24 V to 12 V DC/DC converter, otherwise the receiver will be damaged.

LNB cable assembly

To assemble the "F" plugs on the coaxial cable you need a knife (ideally: Wire stripper) and side cutters.

Remove 10mm of outer plastic sheath at each end to expose the copper braid.

Fold back the braid over the outer sheath, so that it does not touch the copper centre core. Remove the exposed foil tape.

Remove the white insulation to within 2 mms of the braid.

Twist the "F" plug onto the folded-back braid, until the plug's metal tip touches the white insulation.

Make sure that no strand of copper braid is touching the copper central core wire.

Shorten the core wire with side cutters, so that it protrudes a maximum of 1 mm from the plug.

See <http://www.satcure.co.uk/tech/fconn.htm>

Screw the F plug of the coaxial cable onto the connection, "LNB IN" on the Receiver. You screw the other end of the coaxial cable to the LNB and weatherproof it with self-amalgamating tape or a rubber boot with silicone grease.

The Scart cable connection

Connect the Scart cable to the Scart socket "TV" on the Receiver. Connect the Scart cable to the TV set. Normally the TV will select the respective Scart input socket whenever the Satellite Receiver is ON but you may prefer to do this manually. Please follow the operating instructions for the TV set.

If you wish to connect a video device, (VCR or DVD recorder) connect a Scart cable to the Scart socket "VCR" on the Receiver.

Connect the Scart cable to the video device. Follow the operating instructions of the video device.

A Scart cable is available separately.

Connection with Phono cable

If you like to connect a stereo audio system, connect the Phono plugs of the Phono cable to the sockets "AUDIO R" and "AUDIO L" of the Receiver.

Never connect the sensitive "Phono" input of your stereo system to the Satellite Receiver as this can destroy your equipment. Follow the information for the connection of a Phono cable in the operating instructions of your stereo system.

A phono cable is not supplied.

Connection of a Digital Audio system

If you want to use the 5 channel audio connection (Dolby Digital AC3), you must connect your Digital Audio system to the coaxial output of the Receiver with a suitable cable (not supplied). Follow the information to the connection in the operating instructions of your Digital Audio system. Connection coaxial digital output

Put the coaxial cable in the connection, "SPDIF" on the Receiver. Connect the coaxial cable to your Digital Audio system.

Connect the dish and align approximately on the satellite

Before you align the dish, you must connect the coaxial cable to the LN B.

Follow also the operating instructions of your satellite dish, or satellite equipment.

The Receiver must not be connected to the electricity supply, if you have already connected the LNB cable to the Receiver.

Screw the F plug onto the connection of the LNB.

If you have not mounted and aligned your satellite dish yet, you must first find a suitable location for the assembly of the dish. The dish must be pointed south east. That is, if you stand behind your dish, you must have clear view in the direction of south east. Please, note that the dish may be never mounted behind a balcony balustrade, roof, or other obstacles (e.g., trees).

The position of the sun helps to you to determine the southern direction. The sun stands exactly due south during the summertime at 12 o'clock and during the wintertime at 1 pm.

Almost all current satellite positions as for example Astral 19° east, Eutelsat Hotbird 13° east, Türksat 42° east lie within a 90 degree angle.

According to which satellite you want to receive, a clear view is required without obstacles. Make sure, before you fasten a suitable bracket on your house wall, that you can turn your dish far enough without its touching the house wall.

After you have made all connections, you can begin to align the dish. Please, check again that the Receiver is connected to the LNB on the dish and the Receiver is connected to your TV set. If these interwirings were made correctly, you can switch on the equipment.

The first step

Switch on your TV set. Please ensure that your TV set is set to the AV input for the Receiver.

The second step

Switch on the Receiver. Please note that the Receiver is preprogrammed for the most current satellites and their programs and you only need to select the program numbers with the Receiver remote control:

Example

If you'd like to receive the satellite Astral 19° east, you must put your Receiver on program position 1. The same also applies to other satellites as for example Hotbird. If you want to align your dish on Hotbird, you must select a preprogrammed program for Hotbird in your Receiver.

The third step

Align your dish on the desired satellite. There are several possibilities. The easiest and cheapest solution is as follows:

Position yourself behind your dish and put the dish quite vertical. Pay attention to the fact that the dish arm points due south.

Now turn your dish (while observing the TV set) slowly to the east (to your the left), until the dish arm points exactly to the east. Thus you've turned around by 90°.

With digital Satellite reception, the Receiver receives the broadcasting signal a little bit delayed. Therefore turn the dish very slowly and wait at every position for several seconds, until the Receiver indicates the signal strength on the screen menu.

Move your dish about 1° east and wait. Gently move the dish so its arm moves from pointing slightly downwards to pointing 10° upwards and observe the signal indication. You repeat these steps until you receive the desired program on your TV set.

Press the remote control buttons CHA CHv to make sure that the other channels are being received.

If you have the desired satellite, optimize the adjustment of the dish until you have a clean picture on all channels. You can see a display of the signal strength and signal quality by pressing of the INFO key. Adjust the dish for highest signal reading, then adjust the LNB "twist position" (skew) for highest Signal Quality reading.

Last you tighten all screws carefully, so that the setting of your dish can't change.

To activate the audible signal you press the INFO button then the 1 button.

Operation

The remote control

For the remote control you need two batteries type Micro: LR 03 / AAA / 1.5V

Open the battery compartment.

Insert two batteries, observing the marked polarity in the battery compartment and close the battery cover again carefully, until the catch engages.

Exchange weak batteries immediately to avoid misoperation.

Always exchange both batteries at the same time and use batteries of the same type.

If a battery has run out, wear protective gloves and clean the battery compartment with a dry cloth.

Warning! Batteries can contain poisonous materials which damage the health and the environment. Dispose of the batteries according to local regulations. Never throw the batteries in the normal house garbage.

The remote control transmits infrared signals to the Receiver. Direct the remote control at the front of the Receiver and press once, briefly, the appropriate key.

The Receiver

Note Ensure the proper connection of all devices and the LNB, before you connect the 12 volt cable or the power supply of the Receiver to the mains supply and start running the Receiver.

Put the power plugs of the connected devices in the power outlet and switch on the connected devices.

Switch on the AV channel on the TV set.

Put the power plug of the Receiver in the power outlet. When the receiver is in normal ON mode, the red LED shines.

If you want to power the Receiver with 12V, put the 12V cable in the socket "DC IN" and connect it to the 12V power source.

The Receiver is preprogrammed with television programs and can be used directly. If you want to find out whether there are new programs, activate a programsearch run. Read more information below.

To put the receiver into Standby mode you press the red key on the remote control. Red and green LED5 in the Receiver will light.

Screen inserts on program change

With a program change a strip of information is faded onto the screen for 5 seconds (changeable). In this strip of information you find the following tips:

| | |
|----------------------|---|
| | Program name |
| | Received satellite |
| | Current date |
| | Current time |
| | Memory usage |
| TXT icon | Indicates if the selected transmission offers teletext. |
| EPG icon | Indicates if the selected transmission offers the programme schedule |
| Heart icon | Indicates if you have put the program in your favourites list. |
| Programme-Group icon | The relevant program group symbol is shown if you have put the program in your program list |
| Info | For Now and Next transmission |
| info | About active programme list |

User interface on the TV screen

Within the menus of the user interface you can change individual settings of your Receiver. Receiver and TV set must be switched on and be connected with a cable (SCART or Phono).

Press the MENU key. The main menu is indicated. With the EXIT key or renewed pressure on the MENU key you can leave this again. Thus you can navigate through the menus

Above: Menu name (in addition functionsymbols are indicated below) In the following: Submenu or menu points Below: The strip of information shows you the keys with which you can move in the current menu. 31

Menu layout

| Main menu | Sub menu | Explanation |
|----------------------|----------------------|--------------------|
| Program | TV-program list | See following text |
| (Symbol: Television) | Radio-program list | See following text |
| | Delete All | See following text |
| Installation | Dish setting | See following text |
| (Symbol: Dish) | Auto Scan | See following text |
| | Transponder Scan | See following text |
| | Search Presets | See following text |
| System settings | Language | See following text |
| (Symbol: gearwheel) | TV system | See following text |
| | Transponder settings | See following text |
| | Time/Timer settings | See following text |
| | OSD settings | See following text |
| | PIN | See following text |
| | LNB voltage | See following text |
| Setting | Stream/Box Info. | See following text |
| (Symbol: tools) | Play | See following text |
| | Default | See following text |
| | Software upgrade | See following text |

Navigating The Menus

In the menus you navigate with the keys CHA, CHv, V+, V- Selected menu points are highlighted. Press the OK key to select. You can leave the menu with the EXIT key. Changes must also be confirmed. In addition, the number keys are required in other submenus.

In every menu an info. line is displayed below, which also offers all choice options.

Example: Receiver set to summertime. Press MENU, select system settings, select time & timer setting, press OK, select time, press OK. For the setting "GMT Difference", put "GMT 02:00". Press EXIT to leave the menu.

Setting for UK:

Summertime: GMT 01:00

Wintertime: GMT 00:00

Program (Symbol: Television)

| Sub menu | Description |
|----------------------|---|
| TV programme list | 1. Favourite, 2 Various, 3 Search, 4 ABC, 5 Change, 6 press ^v selection V- V+ group OK input EXIT |
| Radio programme list | as above |
| Delete All | Deletion of the complete program list. In addition: Password input (default setting 0000) and warning announcement. Confirm with Yes. |

1. Favourites

By pressing the 1 key you set your favourites. Beside each of the programs a heart symbol.

2. Movements

After pressing the 2 key the shifting symbol appears behind the marked program. With CHA and CHv keys the program is pushed to the desired place. The process must be confirmed with OK.

3. searching

Program searching function. By input of letter on the OSD keyboard filtered discovering of transponders is possible.

4. Alphabetical Sort

Sorting of the complete program list according to the options provided. The list must be confirmed with OK. As long as it's not confirmed, you can select "New calculation" to revert to the previous state.

5. Changes

After password input (default setting 0000) new choice possibilities appear:

| Sub Menu | Description |
|----------|--|
| Change | 1 deleting, 2 Skip over, 3 Block, 4 changing, 5 Providing, 6 lö, A V dialling, V-V group, P P. Side, EXIT Abbr. |

5.1 Deleting

Selected transmissions can be marked for deleting by marking with the 1 key . Please confirm choice with OK key.

5.2 Skipping

By marking with the 2 key, selected transmissions can be marked for skipping over. Please confirm choice with OK key. Then selected transmissions are jumped over while surfing. However, by direct input it's still possible to select them.

5.3 Blocking Programmes

By marking with the 3 key, selected transponders can be marked for blocking. Please confirm choice with OK key. Then selected transponders require a password (child protection).

5.4 Editing

Enter the Edit mode with the 4 key. Here you can edit individual parameters as desired. Please confirm choice with OK key.

5.5 New Channel

Press the 5 key to reach the new inputmode. By direct input of frequency and PID you can add a new program.

5.6 Delete Everything

By pressing the 6 key you can mark all programs for deleting. Then individual programs can be removed from the selection by pressing the 1 key. Please confirm choice with OK key.

6. Types (program group)

Here you can assign selected programs to certain program groups (types) as desired. Please confirm choice with OK. You leave the menu with EXIT.

Installation (symbol: Sat dish)

| Sub menu | Description | |
|--|--|--|
| Dish setting | Satellite | Satellite choice, (example: Astral 19° east) |
| | LNB type | LNB type select (default setting is universal) |
| | 22K | 22kHz activation, (Info: with Universal LNB type, this setting occurs automatically) |
| | DiSEqC | DiSEqC level select |
| | DiSEqC switch | DiSEqC operation select Example: Astra and Hotbird double reception Astra = 1/2 Hotbird = 2/2 For motorised deactivate (invalid) |
| | Positioner | Press OK key to see the DiSEqC - motor control menu. Please read the operating instructions of your DiSEqC motor for help. |
| | Polarisation | Horizontally, Vertically, HN (automatic) |
| Auto Scan (unique function, without fore-knowledge available) | Here you can search a selected satellite (example: Astral 19° east) for new programs. In addition no special information is necessary. You have the choice to search for free or all TV programs and Radio programs. The process is begun by "search". | |
| | Especially recommended for Türksat | |
| TPsearch (manual channel search run) | With this searching function you can search the preset frequency (Transponder) individually. The Transponder data can be changed by hand. The process is begun by "search". | |
| Search pre-sets | Preprogrammed frequency (Transponder) searches. (Normal automatic-searching run) | |

System settings (symbol: Gearwheel)

| Sub Menu | Description | |
|-----------------------|---|---|
| Language | Language | Menu language selection (OSD) |
| | 1st Audio Channel | Preselection of the audio-language (if offered by the transmission) |
| | 2nd Audio Channel | Preselection of the audio-language (if offered by the transmission) |
| TV System | Display mode | Choice of the carrier system. Default Auto |
| | Relation | Choice of picture format Default 4:3 LB (letterbox) |
| Transmission settings | Startup channel (select the Switch-on programme). | |
| Time & Timer settings | Time | Possibility of the time and time zone input. (see example: Receiver on summertime change) |
| | Timer | See following table |
| OSD settings | Menu Style | Menu colour setting |
| | Subtitle display | Subtitle activation |
| | OSD delay | Menu-insertion time (OSD time barrier) |
| | OSD Transparency | Menu transparency |
| | OSD default setting | Restore OSD default setting |
| | Default is 0000 Close Menu | Switch off the password input in the installation-Menu |
| Sub Menu | Description | |
| Time & Timer settings | Time | |
| | Timer | See table on page 14 |
| OSD settings | Menu Style | Menu colour setting |
| | Subtitle display | Subtitle activation |
| | OSD delay | Menu-insertion time (OSD time barrier) |
| | OSD Transparency | Menu transparency |
| | OSD default setting | Restore OSD default setting |
| PIN | Default is 0000 Close Menu | Switch off the password input in the installation-Menu |
| Password setting | Programme block | Switch off the password input for blocked programs (child protection) |
| | New password | Definition of a new password. |
| | Confirm password | Confirm new password |
| LNB voltage | | LNB electricity supply turning on and off. Default is ON. |

Table of timer settings.

| Submenu | Description |
|---------------|--|
| Timer number | Choice of timer number 1-8. |
| Timer Mode | Type of repetition (once, daily, weekly, monthly, yearly, from). With the setting "from" the timer is deactivated. |
| Service | Switch over between program timer and remember function. |
| Start Channel | With timer service setting "Announcement". Options are: Birthday, anniversary, general With timer service setting "channel". Program choice |
| Start Date | Date input |
| On Time | Time input |
| Duration | Duration of switch-on time |

However, the timer can be also programmed in the EPG mode. Example:

EPG key press, then with the 1 key you receive an event list, with CHA and CHV keys you can select the desired event and pass it with 2 key directly to the timer.

Settings (Symbol: Tools)

| Submenu | Description |
|--|--|
| Stream/Box info. (This display is also accessible directly with the INFO key) | Display the reception parameters. Activation of the audible sound signal with the [1] key. |
| Play | There are three games available: Tetris, Snakes, Othello. |
| Default (requires password input) | Receiver factory default settings reinstated. All changes are cancelled. |
| Software upgrade | Note: A software upgrade has nothing to do with the search for new TV programmes. That requires an automatic transponder search. In case of a fault you can load in new Operating System software via satellite or via the R5232 interface from a PC. |

Software update via satellite

The update has to do nothing with the finding new television channels, but serves merely for renewing the receiver's factory software.

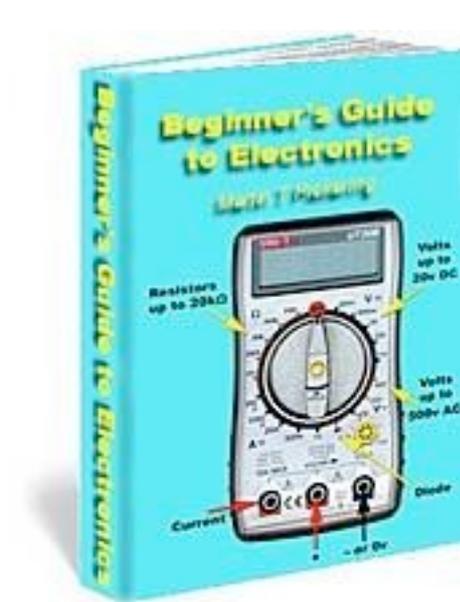
The update is not usually necessary for a Receiver which is working normally.

You must align your satellite dish on the satellite Astra-1 19° east to be able to carry out the software download.

The software download can take up to one hour.

It is recommended you reinstate the default settings after download, in addition.

Note: Your own custom channel list gets deleted.



FREE - Beginners Guide to Electronics

Easier to understand than anything you've read previously!

Martin has a knack of explaining technical subjects in simple language. Components covered include resistors, diodes, transistors and capacitors.

As an example, it describes in detail how to build a flashing LED circuit on perforated stripboard ("Veroboard") with a photograph of

every stage.

This is NOT just another boring technical eBook full of mathematical equations. You'll like it! Ideal for everyone from the young student to the retired lady looking for a new hobby. You'll definitely want more! Download it [FREE](#) now!

Keys with special functions

TV/SAT

With the TV/SAT key you can switch back and forth between television and satellite function. (This function must be made available by your television). Press the TV/SAT key repeatedly, until you have got the desired function.

TV/RADIO

With the TV/Radio key you can switch back and forth between television function and the DVB radio function. With RADIO selected, the Receiver receives a radio program and displays a background picture.

To shift back to the television program, press the TV/Radio key.

ZOOM

You can increase a picture window size with the zoom function. Press the zoom key twice. Choose the picture window with the CHv, CHA, V and V+ keys. With every press on the zoom key the picture window is increased, with a maximum of six steps. With the seventh keystroke the picture reverts to the source size again. You can leave this mode with the EXIT key.

LIST

Press the LIST key once. As already described above under menu point "Program", you get to work on the program list here.

AUDIO

With the audiokey you can select the soundtrack, if the transmission includes multiple audio tracks. In addition, you can activate the Dolby digital mode (you will need to connect Dolby digital equipment. The COAXIAL socket connection is on the rear panel).

EPG

Electronic TV guide (Electronic Program Guide). To activate the function you press the EPG key. The program list appears.

You can select a program with the CH[^] and CH_v keys. On the right side are indicated the now and next programmes. For schedule information press the [1] key. The complete event list is then displayed. With the V+ and V keys you can switch forward through the days. With the CHA and CH_v keys you can switch through the events.

Press the [2] key to display a synopsis of the selected programme.

TEXT

Teletext is a system which displays text information on your television set. For teletext reception the selected transmission must support this function. On program change the TXT symbol is indicated. Our teletext is extremely quick compared with most other receivers.

To switch on the teletext, press the TEXT key. To switch off the teletext, press the key EXIT or TEXT key.

Fasttext functions

The coloured keys on the remote control are provided for Fasttext and become active during display of a teletext page. Press the desired key.

M/P Multipicture

Press the M/P key to get the Multipicture mode. Now on your screen 9 programmes appear together, beginning with the current programme.

With CHA, CH_v, V and V+ keys you can move the yellow cursor. The marked programme is in realtime; the unmarked programmes are static pictures.

To activate the desired program, mark this and then press the OK key or the EXIT key.

Press the EXIT key to leave Multipicture Mode. The program marked last fills your screen.

MUTE

The sound is switched off by pressing the MUTE key. The sound is switched on by pressing the MUTE key again.

FAV

Press the FAV key. The screen displays the favourites selected by you (see above). Choose a program from the favourites list. Press the OK key to select.. With V+ and V keys you can switch back and forth between the Program groups.

RECALL

By pressing the RECALL key you revert to the previously selected program.

Audible tone for the alignment of the satellite dish

Press in the INFO key. Signal strength and signal quality are displayed, as well as current reception parameters. You can activate an audible tone by pressing the [1] key.

The TV set loudspeaker produces the audible tone. A pure and higher signal indicates a better adjustment of the dish on a satellite.

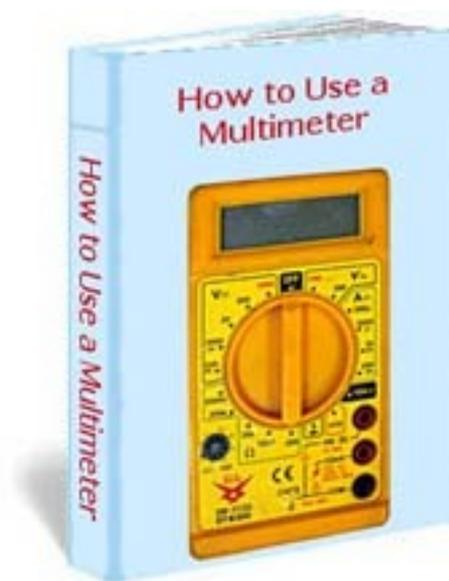
Sleep Timer

Press the [0] key to get the Sleep timer display.

It has the following options: switched off, 10, 30, 60, 90, 120 minutes. After the set time, the Receiver is automatically switched off.

Pause

Press the PAUSE key. The television picture is then "frozen". Deactivate by pressing PAUSE key again. The programme continues from the present (there is no memory to store what you missed. The pause key is merely useful to let you, e.g., copy some writing from the screen).



How to Use a Multimeter

By popular request this eBook has been written to explain the most basic uses of a multimeter with extensive use of photographs to show the methods in detail. There's nothing complicated in this eBook. It sticks to simple activities like checking batteries, resistors, diodes and capacitors; measuring voltage and current.

<http://www.The-Cool-Book-Shop.co.uk>

Multi-Satellite Installation

Example: Dish with 3 LNB5 set for Astra-1 (19.2°E), HotBird (13°E), Astra-2 (28.2°E). LNB5 are connected to a 4 way DiSEqC switch.

Align each LNB by connecting it directly to the receiver without the DiSEqC switch. When all LNBs are aligned, connect to the receiver via the DiSEqC switch. Note which LNB is connected to which switch input.

Press MENU > Antenna Setup > OK
Make sure that DiSEqC is set to 1.0

Set Satellite to ASTRA28EAST.

Set DiSEqC Switch to 3/4 (whichever switch input the Astra2 LNB is connected to).

Press EXIT and OK. Select TP Scan and press OK. Select Search and press OK.

If you see a message "No program found" this means that the LNB input that you selected is incorrect for the chosen satellite position. Please check your connections and Set DiSEqC Switch to the correct input.

If the search is successful and produces no error message, the selection was correct. Press EXIT.

Select Auto Scan and press OK. Select Search and press OK.

The receiver will now produce a list of TV and Radio channels. This can take ten minutes or more. A progress bar will be displayed. Please wait until it's finished.

Press EXIT twice.

Press OK and select a programme to watch.

To select a different satellite press LIST then use the V, V+ keys to select the satellite.

Dismantling the System

Disconnect the Receiver and the connected devices from the electricity supply.

Unscrew the LNB cable from the Receiver and from the LNB.

Take the batteries from the remote control, if you do not plan to use the Receiver for a long time.

Pack the Receiver, the cables and the remote control in the box.

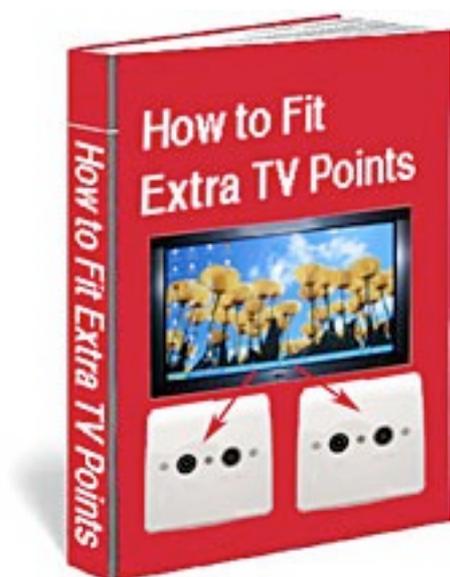
Store the Receiver and all accessories in a dry and dustfree place.

Protect the Receiver against frost.

Cleaning

Warning: The Receiver must not get wet. Never clean it with a wet cloth. Use no solventcontaining cleaning agents like gasoline or thinners. These can damage the surface of the case.

Clean the case of the Receiver ONLY with a dry cloth.



How to Fit Extra TV Points

You already have a working Freeview system but you want to add extra TV aerial sockets in other rooms? This eBook explains. Download it now.

<http://www.The-Cool-Book-Shop.co.uk>

Troubleshooting

| Symptom | Possible Cause and Remedy |
|--|--|
| Satellite is not found, or no signal | Example: ASTRAL 9E Key 1 (preprogramming: "Das Erste") Key INFO ("Das Erste ", FRi 1837) Signal AND quality are both 0% Set the dish vertical and point roughly south. Move it a few millimetres left, wait about 3 seconds then move it again. Repeat until a signal is found and Signal Quality is more than 0%. When the signal reaches 60% the blank screen will be replaced with a picture. Select a current programme from the pre-programmed list and press the INFO key. |
| Front panel dark. No LED lit. | The power cable is disconnected? There's a short-circuit in the LNB cable or connectors? |
| Red and Green LEDs shine, | The receiver is in Standby mode. Press the Standby button on the receiver or the remote (try both) |
| No sound or picture but menus can be displayed on screen | The dish is not aligned on the correct satellite. |
| Red LED shines but TV displays no picture or menu | The TV is not in AV mode. Select the appropriate Scart input with the TV remote control. |
| Picture or sound breaking up. | The dish is not aimed exactly on the satellite. Press the INFO key to check the signal quality. Realign the dish. Check for obstruction such as a tree. Try a replacement LNB. Try replacing cable. Look for sources of interference such as a car radar detector nearby or a DECT telephone |
| No picture, no sound, signal strength but no signal quality. | The dish is aligned on the wrong satellite. |
| Bad reception from certain channels | Look for sources of interference such as a car radar detector nearby, a DECT telephone or a light dimmer. Switch them off. |
| Remote control not working. | The batteries are used. Renew the batteries. The remote control is wrongly aimed. Direct the remote control towards the front panel of the Receiver and make sure that nothing stands between remote control and Receiver. Check for sources of interference such as a light dimmer. |
| Programme has moved to a new frequency. | Delete the channel then run a new automatic search. |

If the problem remains, please contact your supplier.

Technical Specification

Receiver

Dimensions in mm (WxDxH): 210x145x45

Weight in grammes:

Receiver: 660 gms

Remote control: 80 gms (without batteries)

Input frequency response: 950 MHz - 2,150 MHz

IF range: 55 MHz/8 MHz (under 5MS/s)

Electricity supply: LNB 14 V/18V, 0.30A max. Overload protection

LNB control: 22 kHz \pm 2 kHz, 0.6 V pp \pm 0.2 V

DiSEqC control: version 1.0, version 1.2, Tone Burst A/B

Symbol rate: 1 - 35 MS/s

Bitstream: MPEG2 115200 bitstream specification ISO/IEC

Input speed max. 15 MBit/s

Error correction (FEC): 1/2, 2/3, 3/4, 5/6, 7/8, auto

Video: MPEG2 MP@ML

Audio: MPEG1/2 Audio Layer 1 or Layer 2

Height/width ratio: 4:3 Letterbox, 4:3 PanScan, 16:9

Video resolution: 720 x 576 (Pal), 720 x 480 (NTSC)

Audio mode: Left, right, stereo, digital AC3

Understanding Sky Digital & Freesat - FREE eBook

From <http://www.The-Cool-Book-Shop.co.uk>

Connection ports

LNB IF input: type "F", IEC 16924

TV SCART (only output): video CVBS, audio L, R

VCR SCART (input and output): video CVBS, audio L, R

RCA (Phono): audio L, R

SPDIF, COAXIAL Digital: audio output

Electricity supply

Supply input voltage: 100 - 240 V~, 50/60 hertz

Receiver input voltage: 11 - 15 volts DC

Power requirement: approx. 12 W (with single LNB)

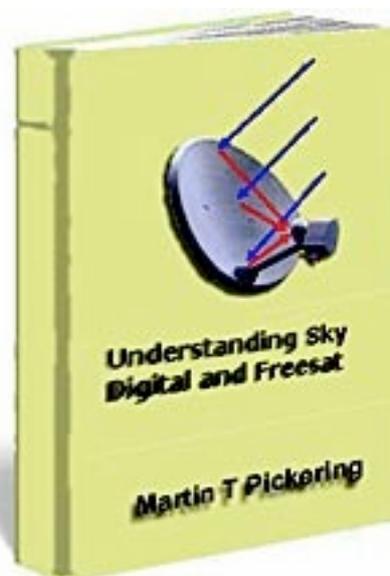
Power requirement: approx. 4 W in Standby

Operating temperature: 0°C - 40°C

Storage temperature -40°C ~ +65°C

Troubleshooting Sky Digital - FREE eBook from

<http://www.The-Cool-Book-Shop.co.uk>



Herewith the manufacturer declares the conformity with the following guidelines and standards for this product:

Low voltage guideline 73 / 23 / European Economic Community EN 60065

Guideline to the electromagnetic compatibility 89 / 336 / European Economic Community

EN 55013

EN 55020

EN 6100032

EN 6100033

Device type / Type: Digital Satellite Receiver DVBS SL 65/12

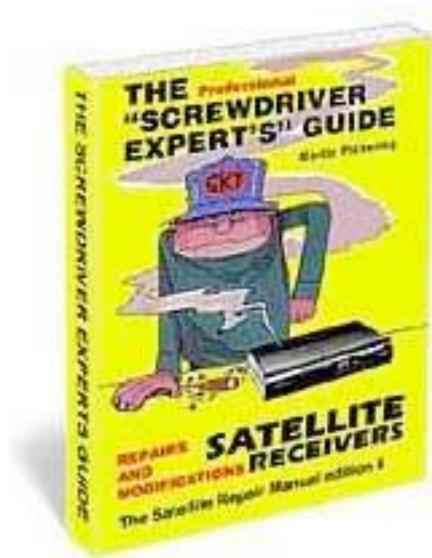
© 2012 SatCure

<http://www.satcure.co.uk>

<http://www.satcure.com>

<http://www.satcure.net>

<http://www.The-Cool-Book-Shop.co.uk>



A Beginner's Guide to Receiver Repair

Based on the original "Screwdriver Expert's Guide to Satellite Receivers" this book describes the basic components and a typical power supply with diagrams and explanations. Shows how to solder and describes what to check and measure. It won't make you an expert but, if you are capable of soldering in components supplied as a kit, it will take you

one step further so you understand why you are doing it and even help you figure out other possible fault causes and cures. I guarantee you'll be delighted with this amazing book full of information! [Download it now.](#)



Sky Digibox User Guide

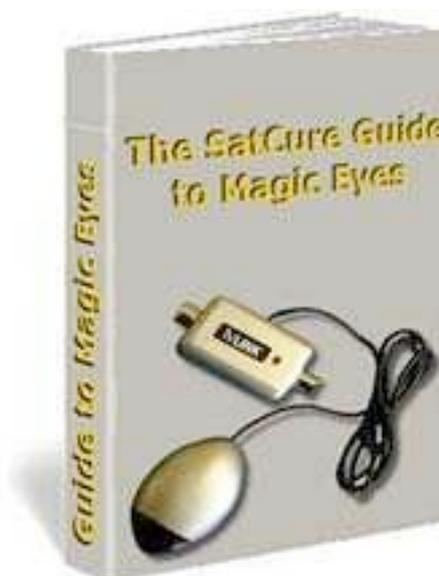
This User Manual is the ideal solution if you've bought a Sky Digibox without one.

Explains all the features of a Standard Digibox including "secret" menus.

<http://www.The-Cool-Book-Shop.co.uk>

SatCure Guide to Magic Eyes (free if you buy a magic eye)

This User Manual is the ideal solution if you've bought a "magic eye" such as "tvLINK", "slxLINK" etc. without a manual. Explains how to install a "magic eye" including "secret" menu + tips. Includes Troubleshooting Guide for fixing problems with your "magic eye".

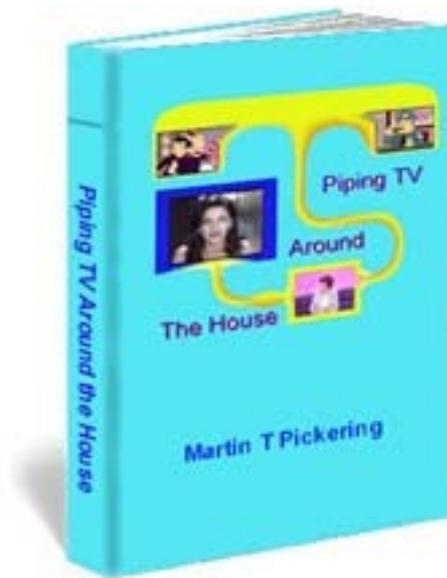


Your TV Manual



You should read this book before you buy a TV and before your TV goes faulty - as it inevitably will! Includes advice on how to avoid problems, fix simple faults, fix remote controls, getting your TV repaired and buying a new TV. **Includes many money-saving tips.** Intended for the UK reader but many points are

applicable to all countries. (Several repair shop owners asked me not to publish this booklet because they think it will lose them business!)

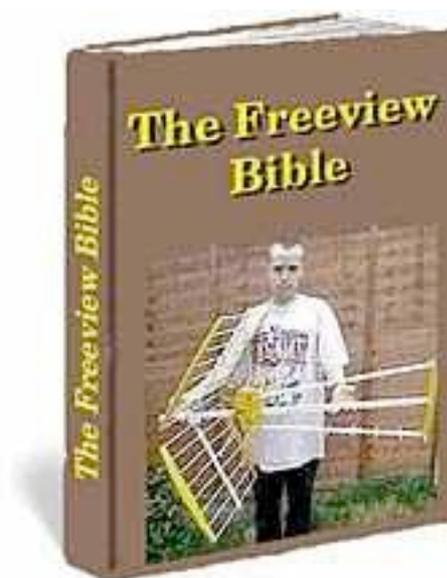


Piping TV Around the House

How to connect your TV, video, satellite, DVD, and send the signals to TVs in other rooms. An invaluable guide and reference that explains UHF channel utilisation without unnecessary technical terms. Includes sketches to show wiring methods. 56 pages.

[OK, read more about it here.](#)

This eBook is FREE if you buy a loft box from SatCure!



The Freeview Bible

Everything you need to know about installing a Freeview box to receive Terrestrial Digital TV programmes in the UK. Installation guide

- Details of many receivers
- What aerial to use and how to choose it
- Installing an aerial and cable
- 60+ pages

[OK, read more about it here.](#)



[Installing Sky Digital TV and Freesat](#)

Companion eBook to the above "Understanding..". (Please read "Understanding.." before ordering this eBook). Self installation information.

Essential reading if you want to move your old system to a new house, install a brand new Freesat-HD, Sky-Plus or standard Sky system, fit a system to your house,

apartment block, motorhome, caravan or narrow boat or use it in Europe, this eBook answers your questions. What size dish, what sort of cable, connectors, which receiver is best for outside the UK, how to align dish, How to disguise the dish and special disguised dishes such as the digiglobe ... **120+ page** eBook filled with colour photographs and easy-to-understand explanations.

I guarantee you'll be delighted with this amazing eBook full of information!

Not convinced? [OK, read more about it here.](#)

Installing Sky Digital satellite TV - installation guide - how to install sky (Although it refers to "Sky" the information is applicable to all satellite transmissions.)

FREE BONUS eBook!: **UK Digital Satellite TV in Europe**

When you download "Installing..."

Includes tips on receiving ITV in Europe, dish mounting instructions etc.

© 2012 SatCure

<http://www.satcure.co.uk>