



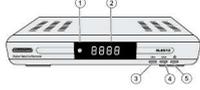
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You can read the recommendations in the user guide, the technical guide or the installation guide for SILVERCREST SL 65-12. You'll find the answers to all your questions on the SILVERCREST SL 65-12 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

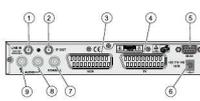
User manual SILVERCREST SL 65-12
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Overview of equipment

Front side of the receiver



Rear side of the receiver



The remote control



Overview of equipment

Front side of the receiver

1	-	Infrared sensor for the signals of the remote control
2	LED display	Shows the channel location in operating mode. Shows time in standby mode.
3	CH- key	Switches to the next lower channel location. Cursor moves down.
4	CH+ key	Switches to the next higher channel location. Cursor moves up.
5	Standby key	Switches on and switches to the standby mode. <i>The default settings will be restored if you keep this key pressed for more than 10 seconds. Caution! By doing this, your personal settings will be deleted.</i>

Rear side of the receiver

1	LNB IN	LNB connection for the antenna cable
2	IF OUT	LNB connection for a second satellite receiver
3	VCR (output)	SCART connection for the video set
4	TV (output)	SCART connection for the TV set
5	RS 232	Serial port
6	+DC 11V-14V	Connection 12V/power pack
7	COAXIAL	Digital coaxial audio output
8	AUDIO L	Stereo audio connection (Left)
9	AUDIO R	Stereo audio connection (Right)

SilverCrest **GUARANTEE**

Buyer: please use block-writing in boxes with CAPITAL LETTERS

Surname:

Firstname:

Street:

Postcode and city:

Telephone no. with area code:

Model / Type:

Signature of buyer:

PLEASE CUT THIS CARD AND RECLOSE IT TO THE RETURNED GOOD

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Faulty-Description:



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Then you will be able to edit the channel lists of the receiver using your computer. Please read the information on our website for this purpose. Please note that under the Web address: www.mysilvercrest.de · · current software versions (if required) and channel-list editing software for the PC can be downloaded. Should you have any questions please contact our service hotline. 21 Quick guide Quick guide You must install, connect and adjust your satellite system in the following sequence to be able to use it. Install the antenna. Install the LNB cable.

Connect the LNB cable to the antenna and the receiver. Direct the antenna roughly. Connect the receiver to the equipment. Insert the batteries in the remote control. Connect the receiver and the equipment to the power source and switch them on. Set the channels using the remote control. Direct the antenna finely if the reception quality is not satisfactory. If you would like to do individual settings for the receiver, invoke the user interface on the TV screen. Make the desired settings in the menus. 22 Antenna installation Antenna installation The antenna consists of a few individual components and is simple to install.

Remove the system components from the case. Turn the antenna slightly to the left. This way it is easier to take them out. Remove the packing material.

Installation of the LNB and dish antenna Completely unscrew the 3 screws of the LNB bracket (3) using the crossstip screwdriver.

Place the LNB (2) between the two halves of the LNB bracket as shown in the picture (1). Now, tighten the screws of the LNB bracket slightly again. Tighten the screws uniformly (symmetrically). Insert the LNB bracket in the supporting arm (4) at the marking "LNB". 23 Antenna installation Tighten the screws of the LNB bracket uniformly (symmetrically).

Place the supporting arm on the antenna dish (6). Use the wing nut (5) included in the scope of supply for fixing the supporting arm. When installing in the case, please do not use the wing nut. For all other installation types, please use the wing nut for fixing the supporting arm at the reflector. Tighten the screws of the LNB bracket only in such a way that the LNB is fixed. If you tighten them too much, the LNB bracket could break. 24 Antenna installation Suitable location/Rough direction of the antenna You must find a suitable location before installing the antenna. The satellite locator compass will help you for this purpose. Different cities are marked on the outer side of the locating disc (2) and different satellites are marked on the inner side. Insert the nipples of the satellite locator compass in the corresponding holes of the dish antenna or in the case cover.

25 Antenna installation Turn the locating disc on the satellite locator compass in such a manner that your location points to the "City" marking (1). 26 Antenna installation There are only few cities and the most popular satellites marked on the locating disk. Select the city that is closest to your location and the desired satellite. Now turn the case or the dish antenna to the right or left so that the arrow head of the compass needle (3) points to the area of the satellite you would like to receive. Now the antenna points towards the direction from which you receive the desired satellite signals. No objects or buildings should obstruct the reception in this direction. You must have a free view in this direction when you stand behind the antenna. The antenna must not be installed behind a balcony balustrade or a house balustrade. This must be considered with all installation types. You can use the adjustment of any existing satellite antennas nearby as a reference during the rough adjustment.

27 Antenna installation Example for an installation on a wall: vea = vertical elevation angle haa = horizontal azimuth angle The satellite locator compass is only designed for a rough adjustment. The fine adjustment is explained on page 57. The receiver is equipped with an integrated satellite finder which will support you when installing the satellite system. 28 Antenna installation Installation options The antenna can be set up in different ways using the installation material provided. For clarification, the installation options are illustrated in the pictures below.

. To make the picture less complex the antenna cable is not illustrated here. For a complete installation of the satellite system, the LNB must be fixed. Please observe all prohibitions or information of the local administration (if any). When selecting an installation place you should make sure in any case that there are no obstacles between the antenna and the satellite.

No tree, house, pane or other obstacles must block visibility. As a general rule: An obstacle may only be half the size as its distance to the antenna. This must be considered with all installation types. With all installation options there may be slight damages at the surface of the installation place. You can protect the sensitive surface from scratches and pressure marks by placing a piece of felt, cardboard or similar. 29 Antenna installation Installation in the case Open the cover of the case and tighten the wing nut (3) to secure it against closing. Insert the dish antenna in its bracket in the case. For this purpose, turn the dish antenna about 3 cm to the left starting from its original position and insert it in the case by applying an adequate pressure. Now, turn the dish antenna back to its original position. Insert the supporting arm (1) with the LNB in the opening of the dish antenna (2).

Put sufficient weight on the case, e.g. books, to avoid a tipping over by an unintentional external influence (e.g. wind). For this installation, please do not use the wing nuts of the supporting arm. 30 Antenna installation Installation on a mast Put the screw clamp (4) on a mast, a rod or similar so that notches rest against the screw end on the mast. Caution! You can protect the sensitive surface from scratches and pressure marks by placing a piece of felt, cardboard or similar. Please use the protective cap for the screw clamp. Tighten the screw clamp.

Insert the extension rod (3) in the mounting bore of the screw clamp. Tighten the wing nut on the screw clamp to fix the extension rod. 31 Antenna installation Insert the supporting arm (1) with a mounted dish antenna and LNB in the mounting bore of the extension rod. The pin of the supporting arm that is inserted in the mounting bore has a bevelled side. The wing nut of the extension rod (2) must touch this side of the pin of the supporting arm.

Tighten the wing nut of the extension rod (2). The maximum diameter of the mast must not exceed 60mm. 32 Antenna installation Installation on a balustrade Put the screw clamp (2) on the balustrade so that notches rest against the screw end on the balustrade. Caution! You can protect the sensitive surface from scratches and pressure marks by placing a piece of felt, cardboard or similar.



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Please use the protective cap for the screw clamp.

Tighten the screw clamp. Insert the supporting arm (1) with a mounted antenna dish and LNB in the mounting bore of the screw clamp. The pin of the supporting arm that is inserted in the mounting bore has a bevelled side. The wing nut of the 33 Antenna installation screw clamp (3) must touch this side of the pin of the supporting arm. Tighten the wing nut on the screw clamp (3) to fix the supporting arm. The maximum diameter of the balustrade must not exceed 60mm. 34 Antenna installation Installation on a table Tighten the screw clamp (2) on the table plate. Caution! You can protect the sensitive surface from scratches and pressure marks by placing a piece of felt, cardboard or similar. Please use the protective cap for the screw clamp. Insert the supporting arm (1) with a mounted antenna dish and LNB in the mounting bore of the screw clamp.

The pin of the supporting arm that is inserted in the mounting bore has a bevelled side. The wing nut of the screw clamp (3) must touch this side of the pin of the supporting arm. Tighten the wing nut on the screw clamp (3) to fix the supporting arm. 35 Antenna installation The maximum diameter of the table plate must not exceed 60mm. Installation on a suction foot Place the suction foot (4) on a smooth and even surface, e.g. your car roof. Caution! Clean the surface first to prevent scratches. Tighten three screw plugs (3) in clockwise direction.

This generates vacuum at the rubber seats, which fixes the suction foot on the surface. Insert the supporting arm (1) with a mounted dish antenna and LNB in the mounting bore of the suction foot. Tighten the wing nut on the suction foot (2). To facilitate installation or to increase the suction pressure, the 3 suction feet should first be wetted 36 Antenna installation slightly. If you have mounted the antenna on the car roof, you must dismantle it before driving the car again.

This installation type is not adequate for permanent installation. Please check the adhesion of the suction foot regularly. Caution! After having fixed the suction foot, remove the fixing buttons of the screwed plug and store them. This way you bar unauthorised third parties from manipulating the fixture. 37 Antenna installation Installation on a wall Place the wall bracket (4) at the position it should be installed.

Mark the position of the four boreholes. Boring distances: Drill the four boreholes. The size of the bore holes must correspond to the dowels included in the scope of supply. 38 Antenna installation For an installation at a wood truss, the pre-drilling must not exceed a drill diameter (\emptyset) of 4mm and a depth of max. 20mm. Please do not use dowels here. Countersink the four steel dowels into the boreholes. Attach the wall bracket and tighten it with the four screws. Insert the extension rod (3) in the wall bracket. Insert both coach bolts to the right and left through the wall bracket, or untighten the screws if they have been pre-installed.

Fasten the nuts on the coach bolts and tighten them alternatively until the extension rod is fixed in the wall bracket. Insert the supporting arm (1) with a mounted dish antenna and LNB in the mounting bore of the extension rod. The pin of the supporting arm that is inserted in the mounting bore has a bevelled side. The wing nut of the extension rod (2) must touch this side of the pin of the supporting arm. Tighten the wing nut of the extension rod (2). Wrench size: 13; depth of the bore holes (brick or concrete foundation): 55mm; drill: \emptyset 10mm Caution! Consider that the installation on a wall can be compared with a fix installation. Therefore, it can alter the surface of the wall. 39 Antenna installation Before boring make sure that no conductions, tubes, etc. will be damaged.

40 Receiver connection Receiver connection The receiver is connected with your satellite antenna by means of a coaxial cable.

If necessary, you will have to prepare a coaxial cable before connecting the receiver. Caution! Connect the receiver to the mains supply only after you have connected it to all equipment and the antenna properly. Otherwise, the receiver can suffer damages. The wire netting and the inner core of the coaxial cable carry current during operation. Usage for camping and/or caravans: The receiver can also be operated with 12V (i.e. 11-14V, e.g. solar panel, vehicles). Please use a 12V cable for this purpose.

Caution! @@freight vehicles), please use a 24V/12V DC-DC converter. Otherwise, the receiver could suffer damages. You will lose your guarantee in case of non-observance. 41 Receiver connection LNB cable installation (cf. following installation diagram) For the installation of the F connector on the coaxial cable you will need a knife (ideally a wire stripper) and side cutting pliers. When stripping the isolation, neither the inner core or the foil nor the wire netting must be damaged. Cut 8 mm of the coaxial cable at each end up to the inner core. Carefully cut 10 mm of the outer insulation so that the wire netting is exposed. Turn the wire netting backwards and wind it over the outer insulation in such a manner that it does not touch the inner core. Remove the inner insulation together with the foil placed over it up to 2mm before reaching the wire netting.

Caution! The wire netting and the foil must not touch the inner core. The foil must enclose the inner insulation and must not be damaged. Rotate the F connector onto the turned-back wire netting until the connector touches the inner insulation. The wire netting must not protrude from the back of the connector end. 42 Receiver connection Cut the inner core with a cable cutter in such a manner that it projects maximum 1 mm from the connector. 43 Receiver connection Installation diagram Fasten the F connector of the coaxial cable onto the "LNB IN" antenna connection of the receiver. Fasten the other end of the coaxial cable on the LNB. 44 Receiver connection Window feed-through By using the window feed-through cable, the LNB cable can easily be routed from the outside to the inside through a window. The complicated drilling of a hole in the wall can thus be avoided. Caution! During this process, the LNB cable may not be connected to the satellite receiver or the LNB.

To route the LNB cable, which is produced as per the previous chapter, through a window frame from the outside to the inside, use a cable cutter to cut through the cable at the location where it is to be fed through the window. Please provide sufficient cable length to the receiver and the LNB. Now install the F connectors at the two newly-created cable ends as described in the previous chapter. Connect these with the window feed-through cable. Now guide the LNB cable through the desired window and position the window feed-through cable in the window frame.

The window must be open for this. Adjust the window feed-through cable to the contour of the window frame by carefully bending it.



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When the window feed-through cable is adjusted completely, carefully close the window. Screw the F connector of the LNB cable to the antenna connection "LNB IN" at the receiver. Screw the other end of the LNB cable tightly to the LNB.

45 Receiver connection Caution! Avoid frequent opening of the window through which the window feed-through cable is routed. Otherwise the window feed-through cable may be damaged and the signal quality will worsen. 46 Receiver connection Connection with Scart cable Insert the Scart cable in the Scart socket "TV" of the receiver. Connect the Scart cable to the TV set. Follow the operating manual of the TV set. Insert the Scart cable in the Scart socket "VCR" of the receiver if you want to connect a video set. Connect the Scart cable to the video set. Follow the operating manual of the video set. Keep in mind that only one Scart cable is included in the scope of supply. 47 Receiver connection Connection diagram 48 Receiver connection Connection with the Cinch cable Connect the Cinch connectors of the Cinch cable to the "AUDIO R" and "AUDIO L" sockets of the receiver if you want to connect a stereo system.

Caution! Never connect the Phono input of your stereo system to the receiver; it may damage your stereo system. Strictly follow instructions for connecting the Cinch cable given in the operating manual of your stereo system. The Cinch cable is not included in the scope of supply. Connection of an audio-digital receiver If you want to use 5-channel audio transmission (Dolby digital sound/AC3), you must connect your audio-digital receiver to the coaxial output of the receiver. Caution! Please follow strictly the information regarding connection in the operating manual of your audiodigital receiver. Your TV set need not be switched on for radio reception. 49 Receiver connection Connection of the coaxial digital output Insert the coaxial cable in the "COAXIAL" socket or the receiver. Connect the coaxial cable to the audio-digital receiver. Connection diagram The coaxial cable is not included in the scope of supply. 50 Direction of the antenna Direction of the antenna You must connect the LNB cable to the LNB before directing the antenna.

Caution! While connecting the LNB cable, the receiver must not be connected to the mains supply. Screw the F plug on the LNB connection. Pull the plastic cover of the LNB over the LNB connection. After installation, direct the antenna towards the satellite through which you would like to receive signals. Use the satellite locator compass for this purpose.

Proceed 51 Direction of the antenna as described in the chapter "Antenna installation" on page 23. The satellite locator compass can be diverted by magnetic and metallic objects, e.g. the magnetic tip of the crosstip screwdriver. Please place all magnetic and metallic objects at a sufficient distance while using the satellite locator compass.

If you have directed the antenna towards your desired satellite, you must set the inclination angle. @@@@Tighten the wing nut when the inclination is attained. @@@@Replace discharging batteries on time. @@@@Therefore, dispose of the batteries in any case according to the prevailing statutory regulations. Never throw the batteries into normal household waste. The remote control transmits infrared signals to the receiver. Please refer to the overview of the remote control for the functioning of the keys. Point the remote control towards the front side of the receiver and slightly press the corresponding key once. 54 Getting started The receiver Caution! Check the proper connection of all devices and of the antenna before connecting the external power pack or the 12 V cable of the receiver to the power source and start the receiver. @@Switch on the AV channel of the TV set.

@@Insert the power pack of the receiver in the mains socket. The device is in normal mode. The LED display shows the current channel. @@Caution! @@(freight vehicles), please use a 24V/12V DC-DC converter. Otherwise, the receiver could suffer damages. You will lose your guarantee in case of non-observance. @@@@In this case, you must do a fine adjustment of the antenna. @@@@The current reception parameters are displayed.

@@@@@60%, the channel image appears in the background. @@@@@Initially you must set the antenna vertically at an approx.

@@@@@Turn the cover of the case or the supporting arm by approx. @@@@@@Turn the antenna in the horizontal direction again. Find an antenna setting for attaining the best possible signal quality in this manner. During the fine-tuning of the antenna, the acoustic signal indicator may help you. Press the "INFO" key and then the "I" key for this.

A higher sound indicates a good antenna adjustment while a lower sound means a poor antenna adjustment. Exit this application by pressing the "EXIT" key.

59 Operation Operation Screen-inlays while switching channels When a channel is switched, an information bar appears on the screen for 5 seconds. In this information bar, you will find the following indications: Channel name Received satellite Current date Current time (According to the presetting in menu item "Time"). Storage location TTX symbol This symbol is displayed if the selected broadcasting station offers Teletext.

EPG symbol This symbol is displayed if the selected broadcasting station offers an electronic programme guide. The heart symbol is displayed if you have included the channel in your favorite list. Heart symbol Channelgroup 60 The corresponding channel-group symbol is displayed if you have included the channel in your Operation symbol Info channel list. An overview of the channel-group symbols is provided on the next page. Information on the current and the following programme "Now" "Next" Information on the currently active channel list Info Channel-group symbols Symbol Channel group Sport News Music Movie Shopping Education Leisure Should the current programme belong to the general channel group, no symbol will appear. 61 Operation User interface on the TV screen You can do individual settings of your receiver using the menus in the user interface. For this purpose, both the receiver and the TV set need to be switched on and connected by a Scart cable. Press the "MENU" key. The main menu will be displayed. By pressing the "EXIT" or the "MENU" key, you can exit this menu again.

When you exit the main menu, an information bar appears on the screen for 5 seconds. Navigation within the menus Top (arrow 1): menu name (the corresponding function symbols are displayed at the bottom) Middle (arrow 2): sub-menu or menu items Below (arrow 3): The information bar shows you the keys with which you can navigate in the current menu. 1 2 3 62 Operation Menu structure Main menu Language (symbol corresponding country flag) Channel (symbol: TV) Page: 65 Installation (symbol: satellite antenna) Page: 71 System Setup (symbol: Receiver) Page: 75 Sub-menu Language selection Description Selection of the language in which the OSD menu is to be displayed.



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Page: 65 Page: 65 Page: 65 Page: 71 Page: 71 Page: 72 Page: 73 Page: 75 Page: 75 Page: 75 Page: 76 Page: 76 Page: 76 Page: 77 Page: 81 Page: 81 Page: 81 TV Channel List Radio Channel List Delete All Antenna Setup TP Scan Preset Scan Auto Scan Audio Language TV System Channel setup Time & Timer setting OSD Setting Parental Lock LNB Power Tools (symbol tool case) Page: 81 Default Value Software-Update Game Information 63 Operation Menu navigation Use the keys "CH", "CH", "V+", and "V-" to navigate within the menus. The selected menu items are marked. Confirm your selection with the "OK" key. By pressing the "EXIT" key you can exit the menu again. Changes must be confirmed additionally. Apart from this, the numerical keys are required in further sub-menus. In each menu, an information bar will be displayed containing all selection options.

Example: Setting the receiver to summer time. Press the "MENU" key, select "System Setup", press the OK key, then go to "Time & Timer setting", press the "OK" key, enter Time and press the "OK" key again. Set "GMT+02:00" in the item GMT Offset. Quit menu by pressing the "EXIT" key. @@@@Next to the corresponding channels, a heart symbol will be displayed.

@@@@The procedure must be confirmed with OK. 3 Find Channel scan function. @@@@@The list must be confirmed with OK. @@@@@Please confirm your selection and the safety message by pressing the "OK" key. 2 Skip By marking with the 2 key, selected channels can be marked to be skipped.

Please confirm your selection and the safety message by pressing the "OK" key. Then, the selected channels are skipped when zapping. A direct input is still possible. 66 Operation 3 Lock By marking with the 3 key, selected channels can be marked to be locked. Please confirm your selection and the safety message by pressing the "OK" key. Then, the selected channels require the entry of a password (parental lock). 4 Create By pressing the 4 key, the menu "Create" will be displayed. Here, a new channel can be created. Option Satellite TP Index TP Frequency Symbol Rate Polarity Name Description Satellite selection (example: Astra1 19.2° East) Select the new transponder on the selected satellite.

Data corresponding to the selection of the created transponder. Data corresponding to the selection of the created transponder. Data corresponding to the selection of the created transponder. Determination of the channel name. By pressing the OK key, an editing mask will be displayed. By pressing the keys CH, CH, V- and V+, the cursor can be moved over the keyboard. The selected field is marked yellow. To select it press the OK key. The cursor jumps to the next place. Select the symbol group with the keys 1, 2 and 3 of the remote control.

67 Operation For deleting a symbol mark the "Del" field and press the OK key. Select the "OK" field as soon as the channel name is complete and press the "OK" key to confirm. The changed channel name will be accepted. If you want to exit the keyboard without any change, press the EXIT key or mark the "Exit" field and press the OK key. Video PID Audio PID PCR PID Save Exit Video PID input with the 0-9 keys of the remote control Audio PID input with the keys 0-9 of the remote control PCR PID input with the keys 0-9 of the remote control To exit with saving changes select save and confirm by pressing the OK key. To exit without saving changes select save and confirm by pressing the OK key. 5 Edit By pressing the 5 key, the editing menu will be displayed. Here, you can change the individual parameters as desired. Option Name Description Changes the name of the currently selected channel. By pressing the OK key, an editing mask will be 68 Operation displayed.

By pressing the keys CH, CH, V- and V+, the cursor can be moved over the keyboard. The selected field is marked yellow. To select it press the OK key. The cursor jumps to the next place. Select the symbol group with the keys 1, 2 and 3 of the remote control. For deleting a symbol mark the "Del" field and press the OK key. Select the "OK" field as soon as the channel name is complete and press the OK key. The changed channel name will be accepted. If you want to exit the keyboard without any change, press the EXIT key or mark the "Exit" field and press the OK key. Video PID Audio PID PCR PID Save Exit Video PID input with the 0-9 keys of the remote control Audio PID input with the keys 0-9 of the remote control PCR PID input with the keys 0-9 of the remote control To exit with saving changes select save and confirm by pressing the OK key.

To exit without saving changes select save and confirm by pressing the OK key. 6 Del(ete) all Via the 6 key you can mark all channels to be deleted. Thereafter, individual channels can be deselected again 69 Operation by pressing the 1 key. Please confirm your selection and the safety message by pressing the "OK" key. 6 Type (channel group) Here, you can assign selected channels to determined channel groups (Types) as desired. Please confirm selection and safety message by pressing the "OK" key. You can exit the menu by pressing the "EXIT" key. 70 Operation Installation (symbol: satellite antenna) Sub-menu Antenna setup Description Satellite LNB Type 22K Satellite selection (example: Astra1 19.2° East) Select LNB type (default value is Universal) 22KHz activation, (Note: with LNB type Universal, activation occurs automatically) Select DiSEqC level Select DiSEqC command Example: Astra and Hotbird double reception Astra = 1 / 4 Hotbird = 2 / 4 Disable for positioner: Not enabled By pressing the "OK" key you will go to DiSEqC positioner menu. Please refer to the operating manual of your DiSEqC motor for help.

Horizontal, vertical, H/V (automatic operation) DiSEqC DiSEqC Switch Positioner Polarity TP Scan (manual channel scan) With this scanning function, you can scan the preset frequencies (transponders) individually. The transponder details can be changed 71 Operation manually. The procedure is initiated with "Scan". Satellite TP Index Selection of the satellite to be scanned Frequency selection The selection options are displayed 1 Add, 2 Delete, 3 Delete all See following table for TP Index. Setting of the frequency Setting of the symbol rate H = horizontal, V = vertical all = encrypted and unencrypted channels Free = only unencrypted channels Start scan by pressing the OK key.

The channels and frequency found are added. TP Frequency Symbol Rate Polarity Scan Mode Search Preset Scan Scanning of preset frequencies (transponders). (Normal automatic scan) Satellite Scan Mode Selection of the satellite to be scanned all = encrypted and unencrypted channels Free = only unencrypted 72 Operation channels Scan Channel Search Auto Scan (unique function that can be used without any previous knowledge), Selection between TV and radio or only TV or only radio Start scan by pressing the OK key.



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Here you can scan a selected satellite (example: Astra1 19.2° East) completely to search for new channels.

For this purpose, no special information is needed. You can choose between free-to-air channels and all TV and radio channels. The procedure is initiated via "Scan". The signal strength and quality is displayed permanently. Satellite Scan Mode Selection of the satellite to be scanned all = encrypted and unencrypted channels Free = only unencrypted channels Selection between TV and radio or only TV or only radio Start scan by pressing the OK key. The channels found are added. Scan Channel Search 73 Operation Table for the TP Index No. 1 Sub-menu Add Description Create new frequency (transponder): Menu item "TP frequency": Frequency: set desired frequency Menu item "Symbol rate": set corresponding symbol rate Menu item Polarity: set corresponding polarisation The new frequency (transponder) is created after execution. When exiting the menu confirm the safety message by pressing the OK key. Only after confirmation the new frequency will be created.

For scanning the newly created frequency, initiate the menu item "Scan". Delete the selected transponder. When confirming the safety message, the transponder and all channels on it will be deleted. When confirming the safety message, all transponders and all channels on them will be deleted. 2 Delete 3 Del(ete) all 74 Operation System Setup (symbol: receiver) Sub-menu Audio Language Description First Audio Preselection of audio language (if offered by the broadcasting station) Preselection of audio language (if offered by the broadcasting station) Selection of the transmission system Default selection: Auto Selection of the aspect ratio Default selection: 4:3 Letterbox CVBS Enable (On) / disable (Off) Second Audio TV System Display Mode Aspect Mode Video Output Dolby Digital Channel setup Start-up channel: Determination of the desired TV or radio channel appearing when switching on the receiver Boot on Channel Mode Enable (On) / disable (Off) TV = the start-up channel is a TV channel Radio = the start-up channel is a radio channel By pressing the OK key, a channel list will be displayed Start-up Channel: 75 Operation for selecting the start-up channel. Confirm the selected channel by pressing the OK key. Time & Timer Setting Time Optional input of time and time zones. See following table for time setting. See following table for timer setting. Enable / disable Menu display time (OSD time lock) Menu transparency OSD default value can be restored Timer OSD Setting Subtitle Display OSD Timeout OSD Transparency Load Default OSD Setting Parental Lock (password settings) Factory password: 0000 Installation Lock Channel Lock New Password Deactivation of password input in the Installation menu Deactivation of password input for locked channels (parental lock) Input of a new password. (Make sure you will remember the new password) 76 Operation Confirm Password LNB Power Confirm new password. Enabling and disabling LNB power supply. ON is preset. 77 Operation Table for time setting Sub-menu GMT Usage GMT Offset Date Description Enable / disable Setting of the location-dependant divergence to Greenwich Mean Time Enabled if sub-menu "GMT Usage" is disabled: Time input with the keys 0-9 of the remote control Enabled if sub-menu "GMT Usage" is disabled: Time input with the keys 0-9 of the remote control Enabling / disabling of the time display on the TV screen. Time Time Display If GMT Usage is enabled, time in the standby mode on the front panel of the receiver is set automatically. 78 Operation Table for timer setting Sub-menu Timer Number Timer Mode Description Selection of timer number 1-8. Type of repetition (once, daily, weekly, monthly, yearly, off). With the setting "Off", the timer will be disabled. Switching between programme timer (TV or radio channels) and reminding function (message). With the timer service setting "Message", you have following options: Birthday, Anniversary, and General With the timer-service setting "TV Channel" or "Radio Channel", you can select channels Date input with the keys 0-9 of the remote control Time input with the keys 0-9 of the remote control Input duration of the event with the keys 0-9 of the remote control. Timer Service Wakeup Channel Wakeup Date On Time Duration However, the timer can also be programmed via the EPG mode. Example: Press the "EPG" key. Via the 1 key you will then get an event list. By using the keys CH and CH, you can select the desired event. After displaying the details by pressing the "OK" key, 79 Operation the result can be taken over directly to the timer by pressing the 2 key. 80 Operation Tools (symbol: tool case) Sub-menu Default Value (requires password input) Description Reset receiver to the default value. All changes are cancelled. If the receiver is reset to the default values via the OSD menu, the language selection appears in the main menu after completion of the procedure. Now, switch off the receiver with the mains switch. As soon as 5 seconds have passed, you can switch it on again.

In the condition as supplied to the customer, the receiver starts in normal mode. Please note: the default values are restored if you keep the standby key at the front side of your receiver pressed for more than 10 seconds. SoftwareUpdate Please note: A software update has NOTHING to do with a scan for new TV channels. Therefore, please initiate an automatic scan. By means of a software update you can load new operation software in case of need. An update via satellite or RS232 is also possible. Game Information Here, the three games Tetris, Snake and Othello are available. Technical details 81 Operation Software update via satellite The update has nothing to do with the storage of new TV channels. It is rather meant to update the system software of the receiver. Normally, the update is not required for a troublefree operation of the receiver.

You must direct your satellite system towards the satellite Astra1 19° East to be able to update the software. Updating the software may take up to an hour. After the upgrade it is recommended to load the default settings additionally. ATTENTION: with this, the channel list you created will be deleted. 82 Keys with special functions Keys with special functions Switch between TV and SAT With the "TV/SAT" key you can switch between TV and satellite functions. (This function has to be provided by your TV set). Press the "TV/SAT" key until you have set the desired function. Switch between TV and radio With the "TV/Radio" key you can switch between TV and the radio function. Now, the receiver transmits a radio channel and shows a background image. To return to the TV channel, press the "TV/Radio" key of the remote control.



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ZOOM With the zoom function you can enlarge a section of the image. Press the "ZOOM" key. With each pressing of the "ZOOM" key, a section of the image will be enlarged gradually. Select the image section with the keys CH, CH, and V+. By pressing the "EXIT" key, you can exit this mode. 83 Keys with special functions **LIST** Press the "LIST" key once. Here you have the option to edit the channel list as already described earlier under menu item "Channel". **AUDIO** With the "AUDIO" key you can select the audio track if a broadcasting station offers multi-channel sound. Additionally, you can enable the Dolby Digital mode here. (For this purpose you will additionally need a Dolby Digital system.

The connection is made on the rear of the device via the COAXIAL socket). **EPG** Electronic Programme Guide. To activate this function, please press the "EPG" key. The channel list will be displayed. With the keys CH and CH, you can select a channel. With the keys P+ and P-, you can jump 10 channels up or down. On the right side, the current and the following event will be displayed. For getting detailed information on the current event, press the 2 key. Press the 1 key to display the complete event list of the selected channel. With the keys V+ and V-, you can scroll between the days.

With the keys CH and CH, you can scroll up and down the events. You will get detailed information on a selected event (programme) by pressing the 1 key. A selected event of a channel will be taken over directly to the timer by pressing the 2 key. 84 Keys with special functions **TEXT** Teletext is an information system displaying Teletext on your TV set. For Teletext reception, the selected channel must support this function.

The TTX symbol appears when channels are changed. Comparing our receiver with others you will notice that our Teletext is extremely fast. Press the "TEXT" key to start Teletext. For switching off Teletext, press the "EXIT" or "TEXT" key. Using Fasttext functions The coloured keys on the remote control are meant for Fasttext and are enabled after invoking another Teletext page.

These functions will be available for some channels only. You can get there directly by pressing the small coloured keys on the remote control. Press the desired key. **M/P** Press the "M/P" key to go to the multi-picture mode. Now, 9 channels will appear simultaneously on your screen, starting with the current channel. With the keys CH, CH, V- and V+, you can move the yellow marking bar. The marked channel is displayed in real time. All other channels are displayed as freeze images. To enable the desired channel, mark it and then press the "OK" or "EXIT" key. 85 Keys with special functions By pressing the "EXIT" key, you will leave the multipicture mode.

The channel you marked last will appear as complete image on your screen. **MUTE** By pressing the "MUTE" key, the sound will be turned off. By pressing the "MUTE" key again, the sound will be turned on again. **FAV** Press the "FAV" key. On the screen you will see the favorite list selected by you. Select a channel out of the favorite list by pressing the CH and CH keys. With the keys V+ and V-, you can switch between the favorite list and the channel groups. Press the "OK" key to select. Press the "FAV" key to switch between the favorite list and the channel groups. Select with the V- and V+ keys.

To exit the favorite list or the channel group, press the 1 key. **RECALL** By pressing the "RECALL" key, you will return to the previously selected channel. 86 Keys with special functions **INFO** - acoustic signal for directing the satellite antenna For this purpose, press the "INFO" key. Apart from the current reception parameters, you will get information on the signal strength and quality. Additionally, you can enable an acoustic signal by pressing the 1 key.

An acoustic signal will be emitted by the TV set. The higher the signal, the better the direction of the antenna. **0 - Sleep timer** You can go to the sleep timer in normal mode by pressing the 0 key. By pressing the 0 key again, you will have following setup options: off, 10, 30, 60, 90, 120 minutes. After this time, the receiver will be switched off automatically.

PAUSE For this purpose, press the "PAUSE" key. The TV image will be "frozen". By pressing the "PAUSE" key again, it will be disabled. 87 Dismantling the satellite system Dismantling the satellite system Separate the receiver and the connected equipment from the power supply. Unscrew the LNB cable from the receiver and the LNB. Take the batteries out of the remote control, if you will not use the receiver for a longer period of time. Dismantle the antenna unit. Pack the receiver, the remote control, the 2 batteries, the external power pack and the 12V cable for the cigarette lighter into the corresponding cardboard box and put it into the case. Store the installation material (wall bracket, screws, etc.

), the crosstip screwdriver, the Scart cable, the LNB bracket and the LNB in the box integrated in the case. Close the box carefully. Place the suction foot at the position in the case indicated in the picture of section "Scope of supply". Roll up the antenna cable and store it in the case as illustrated in section "scope of supply". Close the case and store it at a dry and dust-free place. Caution! For dismantling the satellite system, please proceed as described to prevent possible damages during transportation. Protect the receiver and/or the packed satellite system against frost. 88 Cleaning Cleaning Caution! The receiver must not become wet. Never clean it with a wet cloth. Do not use any cleaning agent containing solvents like petrol or thinners for cleaning.

These agents may damage the surface of the casing. Clean the casing of the receiver with a dry cloth. Clean the display of the receiver with a slightly wet cloth. Clean the antenna and the mounting components with a slightly wet cloth and mild soap sud. Only clean the case when it is completely empty with a slightly wet cloth with mild suds.

Maintenance The fastening screws must be checked regularly during a longer lasting installation to see if they are fixed well. 89 Tips & tricks/trouble shooting Tips & tricks/trouble shooting Symptom Satellite cannot be found, or no signal Possible cause and remedy Example: Astra1 19° East Key 1 (presetting: "DAS ERSTE") "INFO" key ("DAS ERSTE", FR11837) Signal AND quality are both at 0% Direct vertical reflector towards south Turn some millimetres to the left, wait approx. 3 seconds and repeat until signal AND quality are displayed. With a signal of approx. 60%, the black background disappears and the TV image will be displayed.

For changing the satellite please select a current channel out of the preset channel list and then press the INFO key.



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Frontal display dark The external power pack and/or the 12V cable are not connected. Connect the external power pack and/or the 12V cable to the mains supply and to the receiver. The antenna is not directed towards the satellite. Direct the antenna properly. No sound or image, but receiver menus 90 Tips & tricks/trouble shooting are displayed No signal (with symbol). Check the cable connection from the LNB to the receiver and from the receiver to the connected equipment. Direct the antenna. The system is not connected properly. Check connection of the SCART cable The TV set is not in AV mode.

Switch the TV set to the respective AV input. Frontal display shows channel location. The TV set does not display any image. Poor image, blocking error, formation of small blocks, sound stops The antenna is not directed exactly towards the satellite. Direct the antenna more precisely. For this purpose, use the "Info" key of the remote control. The signal strength will be displayed for directing the antenna properly. The LNB is defective. Replace the LNB. The satellite antenna has been directed to a wrong satellite.

No image, no sound, signal strength and signal quality OK Bad reception of: DSF, etc. Wireless telephone is disturbing (DECT standard). @@Connect it again after 10 seconds. With this, the problem can be solved usually. @@For technical equipment (e.g. @@The batteries are exhausted. Replace the batteries. The remote control is not directed properly. @@Delete the corresponding channel and carry out an automatic scan.

The remote control does not work Channel has received new frequency and is not transmitted anymore with the current data Exit favorite list Password Press the FAV key and the 1 key. The default password is 0000. Cannot remember Please contact the service hotline if you have personal forgotten your personal password. password 92 Tips & tricks/trouble shooting Operating manual On the website www.mysilvercrest.de this in additional operating manual is available for download in languages additional languages. Channel-list editor On the website www.mysilvercrest.de a channel-list editor is available for download. @@Caution! @@@@Batteries may contain toxic agents.

@@Ask your municipal authorities or local government about different methods of disposal in an eco-friendly and proper manner. Hand over used batteries to a collection centre. With this you will make a positive contribution to pollution control. 94 Specifications Specifications Receiver Dimensions in mm (W x D x H) Weight in grammes 210 x 145 x 45 Receiver 553 g Remote control 80 g (without batteries) 950 MHz ~ 2'150 MHz 55 MHz / 8 MHz (below 5MS/s) 13V/18V GS, 0.30 A max. overload protection 22 KHz ± 2 KHz, 0.6 V pp ± 0.2 V Version 1.0, Version 1.2, tone burst A/B 1 ~ 35 MS/s Max. 15 Mbit/s 1/2, 2/3, 3/4, 5/6, 7/8, auto 4:3 letterbox, 4:3 PanScan, 16:9 720 x 576 (Pal), 720 x 480 (NTSC) Left, right, stereo, AC3 digital sound Type F, IEC I69-24 Video CVBS, Audio L, R Video CVBS, Audio L, R Audio L,R Digital audio output Range of input frequency IF band width LNB power supply LNB control DiSEqC control Symbol rate Input speed Error correction (FEC) Aspect ratio Video resolution Audio mode Connection options LNB IF input TV SCART (output only) VCR SCART (output and input) RCA (CINCH) SPDIF, COAXIAL 95 Specifications Power supply Power pack input voltage Power pack output voltage Weight power pack in grammes Input voltage of the receiver Power consumption receiver 100-240 V ~, 50/60 Hz 12 V, 1.0 A 108 11 14 V approx. 12 W (operation with Single LNB) approx. 2 W (standby) 0°C ~ +40°C -40°C ~ +65°C K Tec KSAFC1200100W1UK CA SL 65/12 COMAG Handels AG T2AL/250 V Operating temperature Storage temperature Power pack manufacturer Power pack model designation 12 V cable for cigarette lighter model designation 12 V cable for cigarette lighter manufacturer Fuse in 12 V cable for cigarette lighter Antenna Dimensions in mm (W x H) Weight in grammes 370 x 410 420 96 Manufacturer Manufacturer COMAG Handels AG Zillenhardtstraße 41 D-73037 Göppingen (Germany) Telephone: 0049 (0)7161 / 5 03 06 - 0 Fax: 0049 (0)7161 / 5 03 06 11 Website: www.comag-ag.de

de Dear customer, Past experience has shown that many complaints can be settled through a simple telephone call. In case problems should arise with your device we kindly ask you to contact our service hotline first. Proceeding like this will spare you time and possible irritation. Our service hotline personnel will be glad to help you and explain the exact guarantee procedure, should it become necessary to send in your device. Service hotline: 0044 (0)8708 900137 Monday Friday, 09.

30 a.m. 02.30 p.m. E-mail: info@comag-ag.co.uk 97 Guarantee Guarantee The guarantee for the digital camping satellite system of COMAG Handels AG is in conformity with the prevailing statutory regulations at the time of purchasing the product. Modifications of the device lead to an extinction of the manufacturer's guarantee obligation If the operating software crashes, this is not an example of a guarantee case. The term of guarantee is 3 years.

98 Declaration of conformity Declaration of conformity COMAG Handels AG, Zillenhardtstraße 41, D-73037 Göppingen hereby declares conformity with the following guidelines and standards for this product: Low-voltage guideline 2006/95/EG · EN 60065 Guideline on electromagnetic compatibility, 2004/108/EG · EN 55013 · EN 55020 · EN 61000-3-2 · EN 61000-3-3 Equipment type/model: Digital camping satellite system SL 65/12 Göppingen, 01/07/2008 COMAG Handels AG 99 Index Index Antenna 13, 17, 22, 23, 25, 27, 29, 36, 41, 51, 52, 55, 57, 58, 59, 63, 71, 87, 89, 90, 91, 96, 102, 103 Batteries 11, 15, 16, 22, 53, 54, 88, 92, 94, 95 Cable 8, 9, 11, 15, 16, 22, 41, 42, 47, 49, 50, 51, 55, 88, 90 Case 3, 16, 17, 23, 24, 25, 27, 30, 52, 58, 88, 89 Channel-list editor 93 Cleaning 89 Connection 8, 19, 20, 44, 45, 47, 48, 49, 50, 51, 55, 84, 91, 102, 103 Data 67, 71, 95 Default value 65, 66, 76, 81 DiSEqC 20, 71, 95, 102 Disposal 11, 54, 94 EPG 20, 79, 84, 102 Factory default 82, 93 Favorite list 19, 86, 92 Favourites list 66 Features 19 Guarantee 41, 55, 98 Hotline 21, 92, 97 Installation 3, 13, 14, 24, 29, 30, 31, 33, 35, 36, 38, 42, 44, 45, 51, 55, 63, 71, 89 Languages 18, 93 LNB 8, 16, 19, 22, 23, 24, 29, 30, 32, 33, 35, 36, 39, 42, 44, 45, 51, 63, 71, 77, 88, 91, 95, 96, 102 Location 10, 17, 25, 26, 27 100 Index Maintenance 89 menu 62 Menu 18, 63, 64, 67, 68, 70, 76 Password 19, 67, 76, 77, 92 PIN 63, 76 Power Pack 8, 9, 15, 16, 19, 55, 88, 90, 96 Problems 90, 97 receiver 62 Receiver 2, 3, 8, 9, 10, 11, 15, 16, 17, 18, 22, 28, 41, 44, 45, 47, 49, 50, 51, 54, 55, 57, 58, 64, 81, 83, 87, 88, 89, 90, 91, 92, 95, 96, 103 Remote control 1, 11, 15, 16, 19, 22, 53, 54, 56, 67, 68, 69, 78, 79, 83, 85, 88, 91, 92, 95, 102 Safety instructions 8, 11, 13 Satellite 3, 13, 16, 17, 18, 20, 25, 27, 29, 41, 51, 52, 57, 58, 67, 71, 72, 73, 82, 83, 86, 87, 90, 91, 102 Satellite system 2, 3, 8, 12, 13, 14, 17, 22, 28, 29, 88, 94, 98, 99 Scan 18, 19, 55, 63, 72, 73, 92 Scope of supply 15, 38, 47, 49, 50, 88 service 97 Service 21, 79, 92, 97 Sleep timer 87 Software crash 92 Standby 1, 20, 56, 78, 81, 93 Teletext 85 Timer 20, 63, 64, 76, 79, 84 Tips 90 101 Index Tricks 90 Uninstalling the receiver 88 Update 19, 81, 82 Website 21, 93 102 Glossary Glossary AC DC Cinch connector DiSEqC Alternating Current Connection for alternating current Direct Current Connection for direct current Coaxial connector for connecting the TV set or stereo system.



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Digital Satellite Equipment Control Digital system, with which the receiver can control different components of the external unit. It is especially used for selecting from multiple satellite positions (for example Astra and Eutelsat). Electronic Programme Guide Coaxial connector for the connection of the LNB antenna cable. Free-to-air services Free-of-charge services that can be received without special decoder. Low Noise Block Amplifier / Converter A device at the centre of the antenna, which converts high-frequency incoming signals from satellites into a low-frequency range and amplifies them simultaneously. Key on the remote control for turning off sound On-screen display Menu control displayed on the screen. EPG F connector FTA LNB / LNC Mute OSD 103 Glossary PID Identification number of a received data stream. The PIDs ensure that a channel is received completely. Receiver unit, which converts signals from the antenna to video and audio signals.

A 21-pole connector for connecting the TV set/video recorder to a receiver. Switches between current channel and channel last watched. Receiver SCART Swap function Transponder Satellite frequency. Several digital channels can be broadcasted simultaneously on a transponder. VCR Abbreviation for Video Cassette Recorder.

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