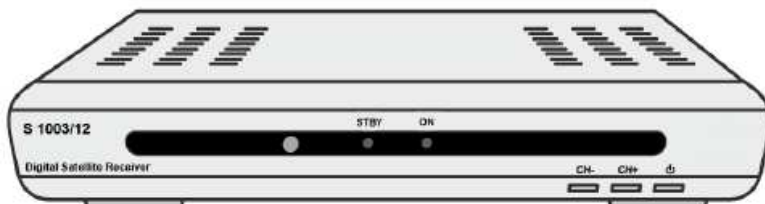


# Digital Satellite Receiver S 1003/12

Operating manual

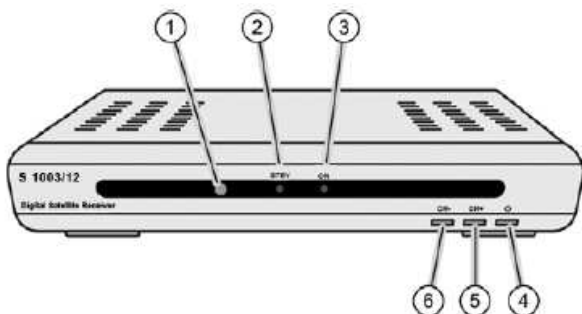


Version 1.0, as of 07/02/2007

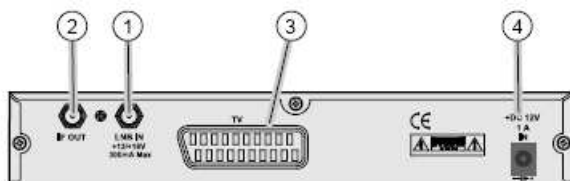
**Modifications and errors reserved. We do not assume any liability for printing errors.**

# Overview of equipment S 1003/12

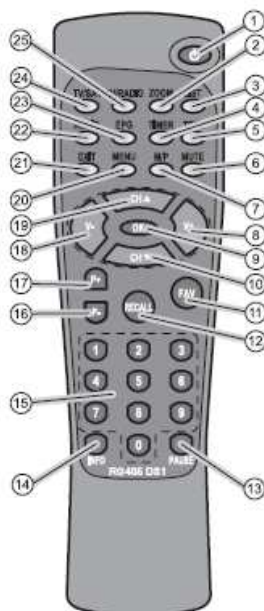
## Front side of the receiver



## Rear side of the receiver



## Remote control



# Overview of equipment

## Front side of the receiver

1	-	Infrared sensor for the signals of the remote control
2	LED STBY	Red LED is only lit in standby mode.
3	LED ON	Green LED is only lit in normal operating mode.
4	Standby key	Switches on and switches to the standby mode The default settings will be restored if you keep this key pressed for more than 10 seconds. <b>Caution!</b> By doing this, your personal settings will be deleted.
5	CH+ key	Switches to the next higher channel location Cursor moves upwards
6	CH- key	Switches to the next lower channel location Cursor moves downwards

## 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	TV (output)	SCART connection for the TV set
4	DC IN 12V	Connection 12V/power pack

## Remote control

1	STANDBY	Switches on and to the standby mode
2	ZOOM	Enlarges TV image
3	LIST	Invokes TV channel list
4	TIMER	Invokes timer
5	TEXT	Invokes Teletext
6	MUTE	Turns off sound
7	M/P	Multi-picture function, invokes thumbnail view
8	V+	Increases volume/cursor moves to the right
9	OK	In normal mode: invokes current channel list In a menu: confirms menu item
10	CH ▼	Switches to the next lower channel location/ cursor moves down
11	FAV	Invokes own favourites list
12	RECALL	Switches to previously selected channel
13	PAUSE	Stills the frame
14	INFO	Displays reception data of the current channel (satellite-finder function)
15	0-9	Selects channel directly, numerical input
16	P-	In normal mode: changes channel group In TV channel list: Ten-key block commutation
17	P+	In normal mode: changes channel group In TV channel list: Ten-key block commutation
18	V-	Decreases volume/cursor moves to the left
19	CH ▲	Switches to the next higher channel location/ cursor moves up
20	MENU	Invokes main menu
21	EXIT	Exits menu or menu item
22	AUDIO	Changes audio mode
23	EPG	Invokes Electronic Programme Guide (if offered by the broadcasting station)
24	TV/SAT	Switches between terrestrial and satellite antenna
25	TV/RADIO	Switches between TV and radio mode

## Preface

This operating manual will help you in the

- appropriate,
- safe and
- favourable

usage of the digital satellite receiver, in short, the “receiver”.

We assume that the user of the receiver has overall knowledge regarding the handling of audio and video equipment.

Each person who

- installs,
- connects,
- operates,
- cleans or
- disposes of

this receiver must be familiar with the entire content of this operating manual. Always keep this operating manual in the proximity of the receiver.

## Style features

Specific style features have been used in different sections of the operating manual. Thus, you can easily differentiate whether it concerns

normal text,

- enumerations or
- actions

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## Safety instructions

Please read the safety instructions carefully before operating the receiver.

Please follow all warnings and instructions on the equipment and in the operating manual.



### Basic safety instructions

#### Electrical connection

- § Separate the receiver from the power source in case of operational disruptions. Please note: The receiver will remain live, even if it is turned off with the mains switch on the rear side.
- Do not expose the receiver to rain or any kind of humidity to avoid risk of fire and electric shock.
- Never open the casing. Otherwise, there is a risk of electric shock.
- Connect the receiver only to a professionally installed mains socket of 100–240 V, 50–60 Hz.
- The total power consumption by the antenna connection of the receiver “LNB IN” must not exceed 300 mA.
- Pull out the mains plug from the socket if the equipment is not in use for a longer period of time. Only pull at the mains plug, not at the cable.
- If foreign bodies or fluids enter the receiver, immediately pull out the mains plug from the socket. Ask a qualified person to check the equipment before operating it again. Otherwise, there is a risk of electric shock.
- Ensure that the power source (socket) is easily accessible.
- Do not bend or crimp the mains cable.
- Remove the protection films.
- In case of a storm, pull the external power pack or the 12 V cable of the receiver out of the mains socket. In case of a storm, pull the LNB cable out of the receiver.
- If the mains cable is damaged, the receiver must be repaired by an expert before reusing it. Otherwise, there is a risk of electric shock.

- Never allow children to operate the receiver or to play with the antenna unit unless supervised.
- Always ask qualified personnel to carry out maintenance jobs. Otherwise, you will put yourself and others at risk.

### **Suitable location**

- Place the receiver on a stable and even base.
- Avoid proximity to:
  - heat sources, like e. g. heaters,
  - naked flames, like e. g. candles,
  - devices with strong magnetic fields, like e.g. loudspeakers.
- Never place receptacles filled with liquid (e. g. vases) on the receiver
- Avoid direct sunlight and places with an extremely high amount of dust.
- Never cover ventilation slits. Ensure adequate ventilation of the receiver.
- Do not place any heavy objects on the receiver.
- Humidity may settle in the receiver if it is brought into hot surroundings from a cold one. In this case, wait for about an hour before operating the equipment.
- Arrange the mains and antenna cable in such a manner that no-one can step or trip over them.

### **Correct battery handling**

- Batteries may contain toxic agents. Ensure that batteries are not within the reach of children. Children may eat and swallow batteries.
- Batteries that are getting discharged may damage the remote control. If the receiver is not in use for a longer period of time, remove the batteries from the remote control.
- Batteries may contain toxic agents that are hazardous to the environment. Therefore, dispose of the batteries in any case according to the prevailing statutory regulations. Never throw the batteries into normal household waste.

### **Disposal**



Never throw the receiver or the batteries in normal household waste. Ask your municipal authorities or local government about different methods for disposing of the equipment in an eco-friendly and proper manner. Hand over used batteries to a collection centre.

## Explanation of safety instructions

The following categories of safety instructions are included in this operating manual:



### **Danger!**

Instructions with the word DANGER give a warning against possible personal injuries.



### **Caution!**

Instructions with the word CAUTION give a warning against possible material or environmental damages.



These instructions contain special information regarding an economic use of the receiver.

## Appropriate use

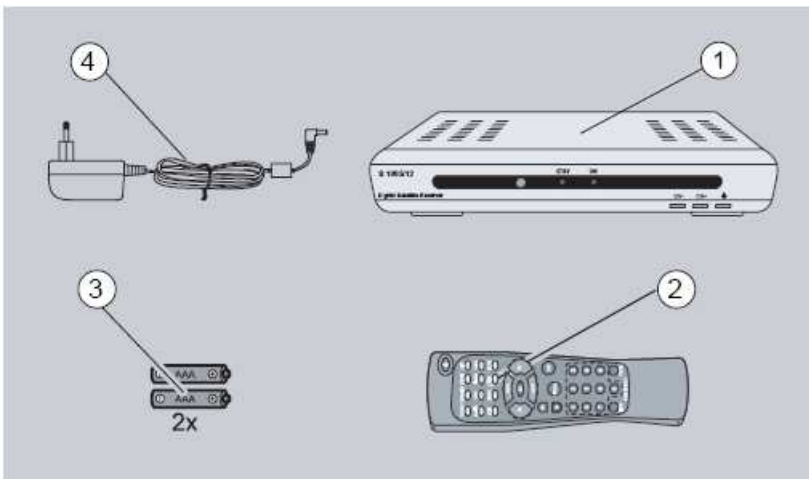
The receiver is designed for receiving unencrypted digital satellite channels (free-to-air) for private use. It is exclusively meant for this purpose and must only be used for the same. This also includes paying attention to all information contained in this operating manual, especially in the safety instructions.

Any other use is considered to be improper and may lead to material damages and even personal injuries. Moreover, it will result in the immediate loss of guarantee.

The manufacturer does not bear any liability for damages caused due to improper use.

## Scope of supply

Check the scope of supply after purchase. The scope of supply may vary according to the type of the receiver. Please follow the information on the packaging.



No.	Pieces	Description
1	1	Receiver
2	1	Remote control
3	2	Batteries type LR 03/AAA/1.5 V
4	1	External power pack
	1	Operating manual (not shown above)

## Description

With this receiver you are able to receive unencrypted digital satellite channels (free-to-air) via satellite antenna.

**It is not necessary to programme the receiver yet. The most important broadcasting stations and satellites have already been preset.**

The satellite antenna has to be directed towards the desired satellite.

The receiver will scan for further new channels as soon as you initiate the automatic scanning of broadcasting stations for this satellite. Satellites not preset may be added.

All receiver settings can be done easily by using the user interface (menu) on the TV screen.

**The multilingual user interface supports following languages:**

- German
- Spanish
- English
- French
- Polish
- Turkish
- Italian
- Portuguese
- Czech
- Greek


**The following satellites have been preset by the company:**

- Astra1 19E
- Hotbird 13E
- Turksat 42E
- Sirius2 5E
- Amos 4W
- Astra2 28E
- EutelSatW3A 7E

- Eutel W2 16E
- HispaSat 30W
- HellasSat 39E

**Other features of the equipment:**

- § Software update via satellite ASTRA 19.2° East
- § Short switching time, fast boot process when switching on the receiver
- § Saves the channel last watched (Last Station Memory)
- § LNB control logic (sound 0/22 kHz), max. current delivery for LNB 300 mA
- § Symbol rate 1-35 MS/s and 950-2150 MHz input frequency
- § Manual PID entry possible
- § 3 keys at the frontage
- § Plug & play
- § **The power draw in standby mode is approx. 2W only.**
- § 100–240 V, 50/60 Hz mains connection
- § 4500 channel storage locations
- § Child lock (preset password: 0000)
- § 1 favourites list and 8 channel groups
- § Automatic scanning of broadcasting stations
- § List editor for broadcasting stations
- § 1 Euro-SCART connections for TV and video set (VCR)
- § Video output signal CVBS
- § Loop-through-function in standby mode for the connection of a satellite receiver
- § Super fast videotext with a memory of 800 pages
- § Additional channel information is displayed when the channel is changed.
- § DiSEqC 1.0, 1.2, Goto X is supported if an appropriate antenna unit is connected
- § SWAP function (via Recall key)
- § Screen aspect ratios can be set to 4:3, 16:9, and automatically (letterbox)

- § Multi-functional timer, 8x and linked with EPG, sleep timer
  - § Electronic Programme Guide EPG (up to 14 days in advance, channel-dependent)
  - § SCPC/MCPC reception standard C/Ku-band satellites
  - § Automatic selection of the TV standard with video converter
-  A suitable channel editor is additionally available through our service hotline **Error! Bookmark not defined.** 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.

## Connecting the receiver

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.



The coaxial cable is not included in the scope of supply.



### **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.

## **Antenna cable installation**

(Cp. the installation diagram on the next page)

For the installation of the F connectors on the coaxial cable you need a wire stripper and side cutting pliers.

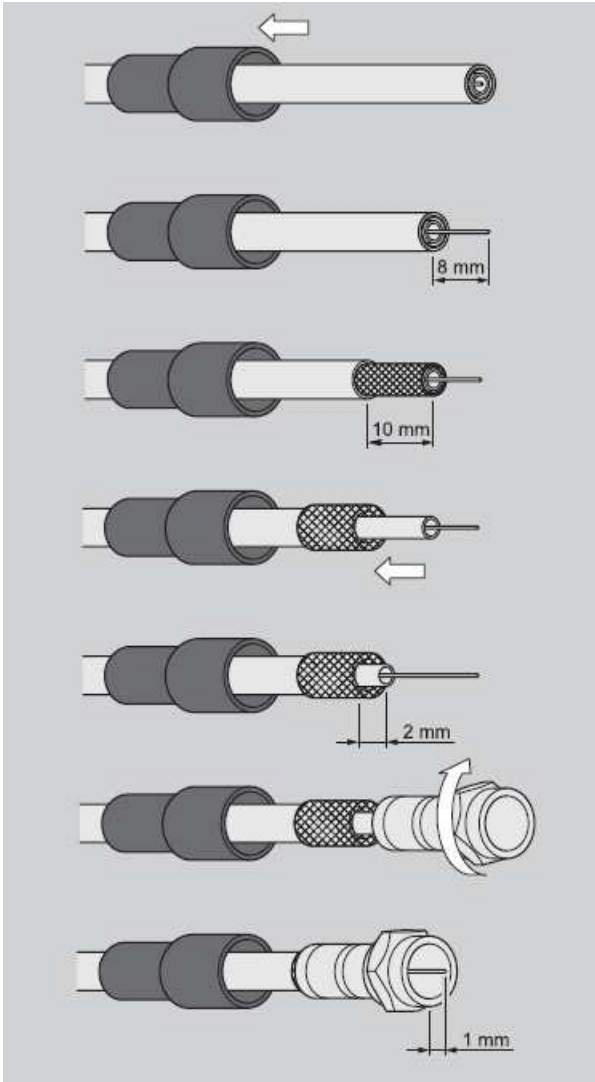
- ǒ Cut 8 mm of the coaxial cable at each end up to the inner core.
- ǒ Carefully cut 10 mm of the outer insulation so that the wire netting is exposed.
- ǒ Turn the wire netting backwards and wind it over the outer insulation in such a manner that it does not touch the inner core.
- ǒ Remove the inner insulation up to 2 mm from the wire netting.
- ǒ 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.

- ǒ Cut the inner core with a cable cutter in such a manner that it projects maximum 1 mm from the connector.

## Installation diagram



- Ö 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.

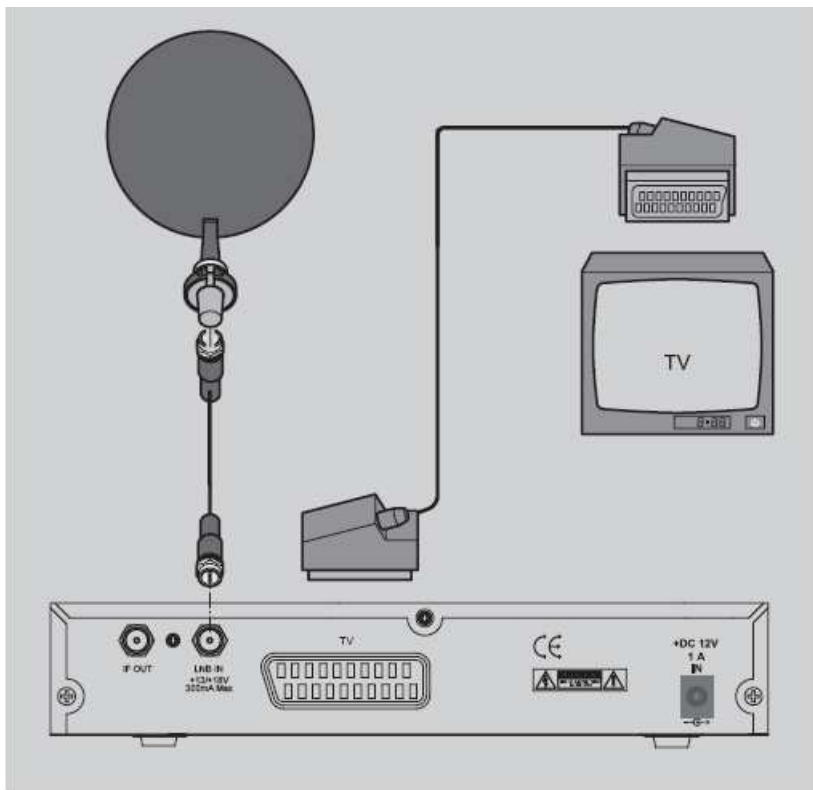
## **Connection with the SCART cable**

- ǒ Insert the SCART cable in the SCART socket “TV” of the receiver.
- ǒ Connect the SCART cable to the TV set. Follow the instructions in the operating manual of the TV set.

Error! Style not defined.

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### Connection diagram

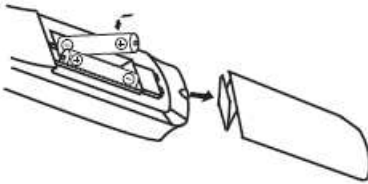


## Getting started

### Remote control

For the remote control two Micro type batteries LR 03/AAA/1.5V are required.

- Open the battery compartment.



- Insert two batteries according to the polarities mentioned into the battery compartment. Push the cover of the battery compartment carefully until the cover is locked.
- Replace discharging batteries on time.
- Always replace both batteries simultaneously and use batteries of the same type.
- If one battery has leaked, wear protective gloves and clean the battery compartment with a dry cloth.



### Caution!

Batteries may contain toxic agents that are hazardous to health and environment. 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.

## The receiver



### Caution!

Make sure that the connections of all equipment and the antenna are properly installed before connecting the receiver to the power source.

- Insert the mains plugs of the connected equipment in the mains socket and switch them on.
- Switch on the AV channel of the TV set.
- Insert the mains plug of the receiver in the mains socket. Turn on the mains switch on the rear side of the receiver. The device is in normal mode. The green LED is lit.

The receiver is supplied with preset TV channels and can be used directly. If you want to check whether new channels are available, initiate the automatic scanning function. Read the information further below for this purpose.



To get into standby mode, press the red key at top right of the remote control. The red LED of the receiver is lit. The device consumes approx. 2W only. Currently, this is a very low value of power consumption.

## Operation

### Screen display messages when switching channels

When switching a channel an information bar is displayed on the screen for 5 seconds (adjustable).

In this information bar, you will find the following indications:

	Channel name
	Received satellite
	Current date
	Current time
	Storage location
<b>TXT symbol</b>	This symbol is displayed if the selected broadcasting station offers Teletext.
<b>EPG symbol</b>	This symbol is displayed if the selected broadcasting station offers an electronic programme guide.
<b>Heart symbol</b>	The heart symbol is displayed if you have included the channel in your favourites list.
<b>Channel group symbol</b>	The corresponding channel-group symbol is displayed if you have included the channel in your channel list. An overview of the channel-group symbols is provided on the next page.
<b>Info</b>	Information on the current and the following programme
<b>Info</b>	Information on the currently active channel list

## **User interface on the TV screen**

You can do individual settings of your receiver by using the menus of the user interface. For this purpose, both the receiver and the TV set need to be switched on and connected with a Scar 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.

### **Navigation within the menus**

- Top:                   Menu name (the corresponding function symbols are displayed at the bottom)
- Middle:             sub-menu or menu items
- Bottom:             The information bar shows you the keys with which you can navigate in the current menu.

## Menu structure

Main menu	Sub-menu	Description
Channel  (symbol: TV)	TV channel list	See following text
	Radio channel list	See following text
	Delete all	See following text
Installation  (symbol: satellite antenna)	Antenna setup	See following text
	Auto scan	See following text
	TP scan	See following text
	Pre-settings scan	See following text
System settings  (symbol: gearwheel)	Language	See following text
	TV system	See following text
	channel settings	See following text
	Time & timer settings	See following text
	OSD settings	See following text
	PIN	See following text
	LNB power	See following text
Setting  (symbol tools)	Information	See following text
	Games	See following text
	Default value	See following text
	Software upgrade	See following text

## **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 indicated containing all selection options.

### **Example: Setting the receiver to summer time.**

Press the “MENU” key, select system settings, then go to Time & timer settings, press the “OK” key, select Time and press the “OK” key again. Set “GMT+02:00” in the item GMT offset. Quit the menu by pressing the “EXIT” key.



Setting for Central European  
summer time: GMT+02:00  
winter time: GMT+01:00

## Channel (symbol: TV)

Sub-menu	Description
TV channel list	1 Favorite, 2 Move, 3 Find, 4 Sort, 5 Change, 6 Type, ▲ ▼ Select, V- V+ Group, OK Input, Cancel <b>EXIT</b>
Radio channel list	as indicated above
Delete all	Deletion of the complete channel list. For this purpose: enter password (factory setting 0000) and confirm warning message with Yes.

### 1 Favorite

By pressing the 1 key you can determine your favourite channels. Next to the corresponding channels, a heart symbol will be displayed.

### 2 Move

By pressing the 2 key, the move symbol will appear behind the marked channel. By pressing the CH+ and CH- keys, the channel will be moved to the desired position. The procedure must be confirmed with OK.

### 3 Find

Channel scan function. By entering a letter on the displayed keyboard, a filtered channel scan is possible.

### 4 Sort

Sorting of the complete channel list according to the offered options. The list must be confirmed with OK. As long as the existing list has not been overwritten, the last status before confirming can be restored.

## 5 Change

After entering the password (factory setting 0000), new selection options will appear.

Sub-menu	Description
Edit	1 Delete, 2 Skip, 3 Lock, 4 Change, 5 New, 6 Del all, ▲ ▼ Select, V- V+ Group, P+P- Page, EXIT Cancel

### 1 Delete

By marking with the 1 key, selected channels can be marked to be deleted. 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.

### 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 input of a password (parental lock).

### 4 Change

Via the 4 key you can go to the editing mode. Here, you can change the individual parameters as desired. Please confirm selection by pressing the "OK" key.

## **5 New**

Via the 5 key you can go to the editing mode. By entering the frequency and PID directly, you can enter a new channel.

## **6 Del(ete) all**

Via the 6 key you can mark all channels to be deleted. Thereafter, individual channels can be deselected again 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 your selection and the safety message by pressing the "OK" key. You can exit the menu by pressing the "EXIT" key.

## Installation (symbol: satellite antenna)

Sub-menu	Description	
Antenna setup	Satellite	Satellite selection (example: Astra 19E)
	LNB type	Select LNB type (default setting is Universal)
	22K(Hz)	22KHz activation (Note: with LNB type Universal, activation occurs automatically)
	DiSEqC	Select DiSEqC level
	DiSEqC command	Select DiSEqC command Example: Astra and Hotbird double reception Astra = 1 / 4 Hotbird = 2 / 4 Disable for positioner (invalid):
	Positioner (of the motor)	By pressing the "OK" key you will go to the DiSEqC positioner menu. Please refer to the operating manual of your DiSEqC motor for help.
	Polarity	Horizontal, vertical, H/V (automatic operation)
Auto Scan <b>Error! Bookmark not defined.</b>  (unique function that can be used without any previous knowledge),	<p>Here you can scan a selected satellite (example: ASTRA 19E) completely 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 with "Scan".</p> <p><b>Especially recommended for Türksat!</b></p>	
TP scan (manual channel scan)	<p>With this scanning function, you can scan the preset frequencies (transponders) individually. The transponder details can be changed manually. The procedure is initiated via "Scan".</p>	

Pre-settings scan

Scanning of preset frequencies (transponders). (Normal automatic scan)

## System settings (symbol: gearwheel)

Sub-menu	Description	
Language	Language	Selection of menu language (OSD)
	First Audio	Preselection of audio language □(if offered by the broadcasting station)
	Second Audio	Preselection of audio language □(if offered by the broadcasting station)
TV System	Display Mode	Selection of the transmission system Default selection: Auto
	Aspect Ratio	Selection of the aspect ratio Default: 4:3 PS (PanScan)
Channel settings	Boot channel (determination of boot channel).	
Time & timer settings	Time	Optional input of time and time zones. (see example: setting the receiver to summer time.
	Timer	<b>see following table.</b>
OSD settings	Setting of menu colour, enabling of subtitles, menu display time (OSD time lock), menu transparency. OSD factory setting can be restored.	
PIN (password settings)	Factory password: 0000	
	Lock menu	Disabling of password <b>Error! Bookmark not defined.</b> input in the Installation menu
	Channel Lock	Disabling of password input for locked channels (parental lock)
	New password	Selection of a new password. (Make sure you will remember the new password)

	Confirm password	Confirm new password.
LNB power	Enabling and disabling LNB power. Default setting: ON.	

### Table for timer settings

Sub-menu	Description
Timer number	Selection of timer number 1-8.
Timer mode	Type of repetition (once, daily, weekly, monthly, yearly, off). With the setting "off", the timer will be disabled.
Timer service	Switching between programme timer (channel) and reminding function (message).
Wakeup channel	<b>With the timer-service setting "Message",</b> you have following options: birthday, anniversary, general <b>With the timer-service setting "Channel".</b> .you can select a channel
Wakeup date	Input of a date
On time	Input of time
Duration	Duration of turn-on time



**However, the timer can also be programmed via the EPG mode.**





**Example:**

Press the "EPG" key. Via the 1 key you then will get an event list. By using the keys CH+ and CH-, you can select the desired event and take it over directly to the timer by pressing the 2 key.

## Settings (symbol: tools)

Sub-menu	Description
Information  (This function can also be accessed directly via the "INFO" key.)	Display of reception parameters.  <b>Enabling of the acoustic beeper via the 1 key.</b>
Games	Here, the three games Tetris, Snake and Othello are available.
Factory settings  (requires input of password)	Reset receiver to factory settings. All changes are cancelled.
Software upgrade	<b>Please note: A software upgrade has NOTHING to do with a scan for new TV channels. Therefore, please initiate an automatic scan.</b>  Via Software upgrade you can load new operation software in case of need. An upgrade via satellite is possible. .

## Software update by 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 trouble-free operation of the receiver.
-  You must direct your satellite system towards the satellite ASTRA 19.2°East to be able to update the software.
-  Updating the software may take up to an hour.


It is recommended to additionally load the factory settings after the completion of the update. This will delete your own channel list.


## Keys with special functions

### EPG

Electronic Programme Guide. Please press the “EPG” key to enable this function. The channel list will be displayed.

With the keys CH+ and CH-, you can select a channel. On the right side, the current and following programme will be displayed. For additional information, please press the 1 key. The complete event list will be displayed. With the keys V+ and V-, you can scroll up the days. With the keys CH+ and CH- you can scroll up and down the events.

 Detailed information on a selected event (programme) will be displayed by pressing the 1 key.


 **An event can be directly taken over to the timer by pressing the 2 key.**

### 0 - Sleep timer

You can go to the sleep timer in normal mode by pressing the 0 key. You have the following setting options: off, 10, 30, 60, 90, 120 minutes. After this time, the receiver will be switched off automatically.

### Acoustic signal for directing the satellite antenna

For this purpose, press the “INFO” key. Apart from the current reception parameters, also the signal strength and quality are displayed. Additionally, you can enable an acoustic signal by pressing the 1 key.

 An acoustic signal is transmitted via the TV set. A stronger and higher signal indicates a better direction of the antenna.

## **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 additionally need a Dolby Digital system. The connection is made on the rear of the device via the COAXIAL socket).

## **Zoom**

With the zoom function you can enlarge an image section.

• Press the "ZOOM" key **twice**.

• Select the image section with the keys CH-, CH+, V- and V+.

With each pressing of the "ZOOM" key, a section of the image will be enlarged up to a maximum of 6x. With the seventh key pressure, the image will return to its original size. By pressing the "EXIT" key, you can exit this mode.

## **List**

Press the "LIST" key once.

Here you have the option to edit the channel list as already described earlier under menu item "Channel".

## **Switching between TV and SAT**

With the "TV/SAT" key, you can switch between the TV and satellite function. (This function must be provided by your TV set)..

• Press the "TV/SAT" key until you have set the desired function.

## **Switching between TV and radio**

With the "TV/Radio" key you can switch between the TV and DVB radio function.

Now, the receiver transmits a radio channel and shows a background image.

- ǒ To return to the TV channel, press the “TV/Radio” key of the remote control.

## **Teletext**

Teletext is an information system displaying Teletext on your TV set. For Teletext reception, the selected channel must support this function. The TXT symbol appears when channels are changed. Comparing our receiver with others you will notice that our Teletext is extremely fast.

- ǒ Press the “TEXT” key to start Teletext.
- ǒ For switching off Teletext, press the “EXIT” key.

## **Using Fasttext functions**

The coloured keys of 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 of the remote control.

- ǒ Press the desired key.

## **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**

- ǒ Press the “FAV” key.
- The screen shows your selected favourite channels (see above).
- ǒ Select a channel from the favourites list.
  - ǒ Press the “OK” key to select.
  - ǒ With the V+ and V- keys, you can switch between the channel groups.

## **Pause**

For this purpose. press the “PAUSE” key. The TV image will then be “frozen”. By pressing the “PAUSE” key again, it will be disabled.

## Uninstalling the receiver

- Separate the receiver and connected equipment from the power supply.
- Remove the antenna cable from the receiver.
- Take the batteries out of the remote control, if you will not use the receiver for a longer period of time.
- Pack the receiver, the cables and the remote control in a cardboard box.
- Store the receiver and all accessories in a dry and dust-free room.
- Protect the receiver from frost.

## 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.

## Troubleshooting

Symptom	Possible cause and remedy
Satellite cannot be found, or no signal	<p>Example: Astra 1 19E            1 key (default setting: "ARD")            "INFO" key ("ARD", FR11837)            Signal AND quality are both at 0%</p> <p>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.</p> <p>For changing the satellite please select a current channel out of the preset channel list and then press the INFO key.</p>
Dark front display, no LED is lit	<p>The power cable is not connected.            Insert the power cable into the mains socket.            Switch on the main switch.            Possibility of a short circuit at the antenna feeder: Check connections.</p>
The red LED is lit.	<p>The receiver is in standby mode.            Press the "STANDBY" key of the remote control. (or the receiver). The receiver is switched on and the channel is displayed on the TV screen.</p>
No sound or image, but receiver menus are displayed	<p>The antenna <b>Error! Bookmark not defined.</b> is not directed towards the satellite.            Direct the antenna properly.</p> <p>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.</p>
Green LED is lit, <div style="background-color: white; width: 100px; height: 15px; margin-top: 5px;"></div>	<p>The system is not connected properly.            Check connection of the SCART cable</p>

## Error! Style not defined.

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TV set does not display any picture.	The TV set is not in AV mode. Switch the TV set to the respective AV input.
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.
No image, no sound, signal strength and signal quality OK, <b>no signal quality</b>	The satellite antenna is directed to a <b>wrong</b> satellite.
Bad reception of: Sat1, Pro7, Vox, N24, DSF, etc.	Wireless telephone is disturbing (DECT standard). Move your telephone to another place.
The remote control does not work	The batteries are exhausted. Replace the batteries.
	The remote control is not directed properly. Aim the remote control towards the front side of the receiver and ensure that there is no obstacle between the remote control and the receiver.
Channel has a new frequency	Delete the TV channel, then scan automatically.

If a malfunction cannot be rectified in spite of this, please contact your specialised dealer or the manufacturer.

## Specifications

<b>Receiver</b>	
Dimensions in mm (W x D x H)	215 x 155 x 45
Weight in grammes	Receiver 660 g Remote control 80g (without batteries)
Range of input frequency	950 MHz ~ 2'150 MHz
IF band width	55 MHz / 8 MHz (below 5MS/s)
LNB power supply	13/18 GS, 0.30A max. Overload protection
LNB control	22 KHz ± 2 KHz, 0.6 V pp ± 0.2 V
DiSEqC control	Version 1.0, Version 1.2, tone burst A/B
Symbol rate	1 ~ 35 MS/s
Input speed	Max. 15 Mbit/s
Error correction (FEC)	1/2, 2/3, 3/4, 5/6, 7/8, auto
Aspect ratio	4:3 letterbox, 4:3 PanScan, 16:9
Video resolution	720 x 576 (Pal), 720 x 480 (NTSC)
Audio mode	Left, right, stereo
<b>Connection options</b>	
LNB IF input	Type F, IEC 169-24
TV SCART (output only)	Video CVBS, Audio L, R
<b>Power supply</b>	
Input voltage power pack	100-240 V ~, 50/60 Hz
Power consumption	approx. 10W (operation with Single LNB approx. 2W (standby))
Operating temperature	0 °C ~ +40 °C
Storage temperature	- 40 °C ~ + 65 °C

## Declaration of conformity

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

### Low-voltage guideline 73/23/EEC

- EN 60065

### Guideline on electromagnetic compatibility, 89/336/EEC

- EN 55013
- EN 55 020
- EN 61000-3-2
- EN 61000-3-3

Type of device: Digital Satellite Receiver S 1003/12

## Glossary

<b>AC</b>	Alternating Current Connection for alternating current
<b>DC</b>	Direct Current Connection for direct current
<b>Cinch connector</b>	Coaxial connector for connecting TV set or stereo system.
<b>DiSEqC</b>	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).
<b>EPG</b>	Electronic Programme Guide Visual display guide, which helps the user with detailed information for the programme selection.
<b>IF connector</b>	Coaxial connector for LNB antenna cable.
<b>FTA</b>	Free-to-air services Free-of-charge services that can be received without a special decoder.
<b>LNB</b>	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.
<b>Mute</b>	Key of the remote control for turning off sound
<b>OSD</b>	On-screen display Menu control displayed on the screen.
<b>PID</b>	Identification number of a received data stream The PIDs ensure that a channel is received completely.
<b>Receiver</b>	Receiver unit, which converts signals from the antenna into video and audio signals.
<b>SCART</b>	A 21-pole connector for connecting the TV set to the receiver.
<b>Swap function</b>	Switches between current channel and channel last watched.

<b>Transponder</b>	Satellite frequency. Several digital channels can be broadcasted simultaneously on a transponder.
<b>VCR</b>	Abbreviation for Video Cassette Recorder.