

TITAN

TX-700 H

Instruction Manual



Digital Satellite Receiver with HDMI output

For receiving free-to-air channels.

INTRODUCTION

This User Manual will help you to operate your Satellite Receiver in a safe manner while enjoying all the features and benefits it provides for your entertainment

The instructions contained in this User Manual assume that the user of the Satellite Receiver already has a basic general knowledge on how to operate entertainment electronic devices

This User Manual must be read by every person that is:

- Installing
- Connecting
- Operating
- Cleaning
- Disposing of this Satellite receiver

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC DEVICES

The disposal of used Electrical and electronic devices must be conducted in accordance with the rules and regulations of the European Union (EU) and that of other European Countries

All products that are marked either directly or labeled on their packaging with the following icon:



can not be disposed of through the normal household waste channels. These products must be disposed of through specialized collection centres for the recycling of electric and electronic devices

By disposing of this product as required by law, you are contributing to the protection of the environment and the health of your fellow human beings

Incorrect disposal can be dangerous to human health and hazardous to the environment

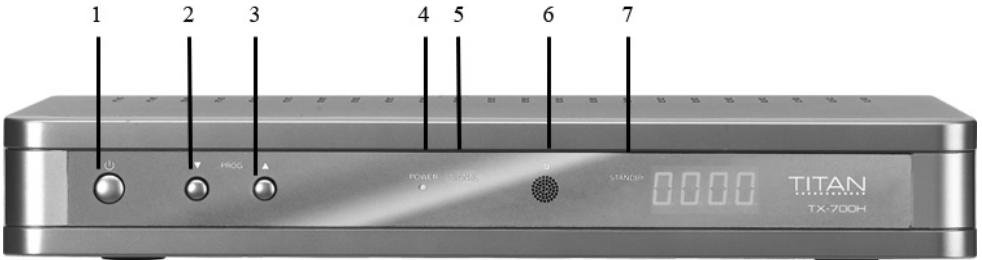
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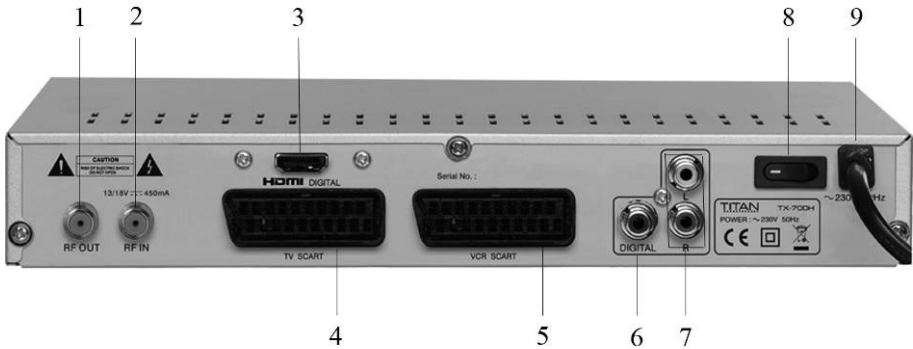
1. Explanation of the device

1.1 Front side of the receiver



1	POWER button	Turning on the device or switching to standby mode.
2	▼ button	Switching channels backwards.
3	▲ button	Switching channels forward.
4	LED POWER	LED illuminates during normal and standby operation.
5	LED LOCK	LED illuminates if signal is strong enough.
6	IR	Infrared receiver for signals from remote control.
7	Standby	Standby indicator

1.2 Back side of the receiver



1	LNB-OUT	LNB port for analogue SAT receiver (Loop-in operation during standby only).
2	LNB IN	LNB-port fro antenna cable
3	HDMI DIGITAL	Output to HDMI-capable device
4	TV SCART	SCART connection for TV.
5	VCR SCART	SCART connection for VCR
6	DIGITAL	Digital coaxial audio output.
7	Audio	Stereo Sound Output, for connecting a stereo system.
8	0 / I	Power switch
9	Mains cable	Power cord 230V

Safety precautions

Before operating the receiver, please read thoroughly the following safety precautions

You are required to read all the notes, instructions and warnings contained in this User Manual



Basic safety precautions

Connecting to the mains

- During disturbances unplug the receiver from the mains.
- To avoid the risk of fire and electric shock do not expose the receiver to rain or other humidity.
- Never open the housing. Otherwise there is the risk of electric shock.
- Only connect the receiver to a properly installed 100-240V, 50-60 Hz mains socket.
- The total power input at the LBN IN antenna socket of the receiver must not exceed 500mA.
- In case of non-use of the appliance for a longer period of time, please disconnect the plug from the mains. Only pull at the plug, not at the cable.
- Disconnect the plug from the mains during thunderstorms.
- If objects or liquids enter the receiver, immediately pull the plug. Refer the appliance to qualified service personnel before using it again. Otherwise there is a risk of electric shock.
- Please make sure that the power supply (socket) is easily accessible.
- Do not bend or squeeze the mains cable.
- If the mains cable is damaged, you have to refer the receiver to qualified service personnel for repair before using the receiver again. Otherwise there is the risk of electric shock.
- Do not allow children to use the receiver without supervision or to play with the antenna appliance.
- Always refer maintenance to qualified service personnel. Otherwise you endanger yourself and others. Purchase spare parts from the manufacturer only.

The right location

Place the receiver on a stable, even surface.

Avoid placing it near:

- Heating sources, like radiators,
 - Naked flames, like candles,
 - Devices with strong electromagnetic fields, like speakers.
 - Do not place objects filled with liquids (such as vases) on the receiver.
- Avoid direct sunlight and exceptionally dusty places.
 - Never cover the ventilation openings. Ensure sufficient ventilation of the receiver.
 - Do not place heavy objects on the receiver.
 - Humidity can occur inside when moving the receiver from a cold to a warm place. In this case, wait for about 1 hour before operating the unit.
- Run the antenna cable so that no one can step on or stumble across it.

2. Operating the receiver

Use the buttons CH▲, CH▼, VOL▶ and VOL◀ to navigate through the menus. Selected menu items are marked. Confirm the selection with OK button. Press EXIT or MENU button to return to previous menu or to exit main menu. Changes require additional confirmation. The use of the number buttons in the submenus is moreover necessary.

Example: Set receiver to daylight saving time.

MENU button, select system settings, select time settings, OK button, select time, OK button. Under GMT select UTC difference of +1:00. If necessary, set daylight saving time to "On". Press EXIT to close the menu.

2.1 Turning on the receiver

Press On/Off (Power) to turn on the unit.

2.2 Standby mode:

When pressing the "Power" button, receiver will switch to standby mode. Press "Power" once more to turn the unit on again.

To completely turn off the unit, unplug the mains cable.

2.3 Switching channels

Use CH▲, CH▼ buttons to switch channels during radio or TV mode.

2.4 Volume adjustment

Use VOL◀, VOL▶ buttons to adjust the volume during radio or TV mode.

2.5 Channel number

During radio or TV mode press any number button followed by "OK" button to directly switch on a channel.

2.6 Mute (Turning sound off)

1. Press "Mute" to switch off the sound.
2. Press "Mute" once more to switch sound on again.

2.7 Changing sound channel

Press "Audio" and select a desired language (as long as provided by broadcasting station) using the CH buttons.

Press VOL buttons to select a desired mode (Stereo/Mono/Left/Right).



2.8 TV/RADIO

Press "TV/Radio" button to switch to radio mode. Press again to return to TV mode.

2.9 TXT

Teletext is an information system that displays text pages on your TV screen. To receive teletext pages the selected channel must support this function. When switching channels, the TXT symbol is displayed if the channel supports teletext. Press "TXT" button to turn on teletext function. Press "EXIT" or "TXT" button to turn teletext off. Enter the desired teletext page number using number buttons. Use CH button to turn to next or previous page.



2.10 SUB (Subtitle)






Displaying and hiding subtitles (if provided by broadcasting station).

2.11 EPG

Electronic Program Guide. Not every broadcasting station broadcasts the electronic program guide (EPG), as is the case with teletext. The extent also varies. For this reason verbalizations like "as long as provided by broadcasting station" will have been foregone. The EPG shows an overview of current or future broadcasts with the respective broadcasting times. Use OK button to display broadcast information in a new window.



Press the button (red) to switch to "time table" (time) display. The navigation within the EPG overview takes place as follows:

-  Back to normal view.
-  Back to program overview.
-  One broadcast backward/forward.
-  Two broadcasts backward/forward.
-  One day backward/forward.



When you find an interesting broadcast you can save it in the timer using the (green) button! The satellite receiver switches on at the selected time and the broadcast can be recorded by a video recorder. Timer functions are explained in the further course of this manual.



2.12 LAST

The receiver skips to the previously selected program when pressing "Last" button.

2.13 Program list (OK button)

Press OK button to display a complete list of all saved programs.

Use the CH buttons to navigate within this list. Use the PG-/PG+ buttons to faster "browse" the list. When you have found a desired program, confirm with OK or press EXIT to hide the list. Use the VOL buttons to display the stations of the single connected satellites.



2.14 Changing satellites

The receiver automatically switches to the next programmed satellite when pressing "PG+" or "PG-" during normal operation.

2.15 INFO

Date/time

Program name

Broadcast title (current and next)

Teletext available/not available; satellite name and position

Type of program list (e.g. All satellites, Favorites)



2.16 Changing screen modes

Press "Mode" button to select color (recommended setting: "Auto"), screen format (recommended setting: „4:3LB“) and type of video output signal (recommended setting: „CVBS“).

2.17 Favorite list

Press "FAVOR" button to open previously created favorite groups. Use the CH buttons to select a favorite list. Please note that after selecting a favorite group only the stations of this group can be switched on.



Chapter „Menu“ → „TV program list“ in the further course of this manual explains the creation of a favorite group more into detail.

1. Use "PG+" and "PG-" buttons during normal mode to switch to "All satellites" mode, in order to return to the overview of all stations.
2. Press "EXIT" to close the menu.

2.18 Sleep timer (blue button)

Sleep timer: Set the time at which the receiver will turn off automatically. Use OK button to select:
OFF, 10, 30, 60, 90 and 120 minutes.

2.19 HDMI

With this button you switch your receiver into HDMI mode. This mode is only working with an end device which supports HDMI. Pressing this button again switches back to the origin mode.

3. Menu

Press MENU button. The main menu opens. Press EXIT to close it again.

Navigate through the menus in the following way:

Up: Menu name (function symbols are displayed thereto).

Subsequent: Submenu or menu items.

Down: The information bar displays buttons, with the help of which you can move through the current menu

Menu structure

Main menu	Sub menu
Editing programs (Symbol: TV)	TV program list
	Radio program list
	Delete all
Installation menu (Symbol: Globe)	Antenna connection
	Satellite list
	Antenna settings
	Single satellite search
	Multi satellite search
	TP list
System menu (Symbol: Film reel)	Language
	TV setting
	Time settings
	Timer settings
	Parental lock
	OSD settings
	Favorites
	Miscellaneous
	Miscellaneous (Symbol: Carton)
Default settings	
Upgrade via satellite	
Games (Symbol: Circle)	Tetris
	Othello

3.01 Editing programs

Press "Menu" button and select menu item "Editing programs". Now enter your personal password (default setting "0000").



3.1 TV program list

In the menu "TV program list" you can carry out the following settings: Editing favorites (white button), locking channels (red), skipping channels (green), moving channels (yellow) and changing channels (blue).



◀▶ List

Press VOL buttons to switch the current station group (station of a satellite or a favorite list).

3.1.1 Favorites (FAV - white)

Press "FAVOR" button (white) to associate a station to a favorite list. Now use CH buttons to select a station you want to associate to a favorite group. After selecting a desired station, press OK. A new window opens, in which you can associate the station to a favorite list. After a station has been associated to a favorite list, the symbol ♥ appears next to the station name in the list.



3.1.2 Locking channels (Red)

Use the red button to mark selected station for being locked. Please confirm your selection with OK button. Next to the station name in the list appears a symbol of a key lock. Selected stations then require a password (Parental lock).



3.1.3 Skipping channels (Green)

Use the green button to mark selected stations for being skipped. An appropriate symbol appears next to the station name. Please confirm your selection with OK button. Selected programs are skipped when switching channels with CH▲ and CH▼ buttons. Direct entry is still possible.



3.1.4 Moving channels (Yellow)

After having pressed yellow button and confirmed selection of the station to be moved by OK button, use CH buttons (or PG+ and PG-) to move the station to the desired channel position. Press OK button once more to save the station at the desired memory location.

3.1.5 Changing channels (Blue)

A new menu window appears after pressing the blue button.

- **To arrange channels (Red)**

Arrange the stations according to the following parameters:

Alphabetically (Name (A-Z))

Alphabetically backwards (Name (Z-A))

Free or coded stations (Free/Pay TV)

Locked programs (Locked)

- **Changing channel names (Green)**

Change the name of a station.

Therefore use the number buttons on your remote control (similar to a mobile phone) to enter a new name for a station. Confirm the new name with the yellow button.

- **Deleting channels (Blue)**

You can delete a station for good from the program list pressing the blue button. Use OK button to select the channel you want to delete; next to the channel appears a cross. When exiting the menu you are asked, whether you really wish to delete the station. After pressing OK the channel will have been finally deleted.



3.2 Radio program list

The procedure is the same as under menu item "TV program list".

3.3 Delete all

Delete the complete program list. Confirm warning message with YES.

If you have accidentally deleted the program list, you can either carry out a station search or reset the receiver under "Miscellaneous" → "Default settings".

4. Installation menu

The opposite list appears after entering the installation menu:



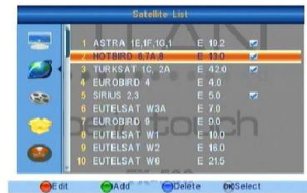
4.1 Antenna connection

In this menu setting you can specify, whether your satellite system is firmly directed or contains a rotary current motor.

4.2 Satellite list

In this menu you can change, add or delete satellites.

1. Press red button to change satellite name and position.
2. Press green button to enter a new satellite.
3. Press blue button to delete a selected satellite.
4. Press OK button to add a satellite to your list of receivable satellites. To add the stations of the newly added satellite to your program list, you must start a station search via this satellite.



4.3 Antenna settings

In this menu you can carry out necessary settings that comply with your satellite system. After selecting a menu item and pressing OK button, the possible options are displayed.

The current signal strength and signal quality are displayed at the bottom of the screen.

1. **Satellite:** Select a satellite
2. **LNB frequency:**
Select LNB type and further settings (only for experts! - default setting: digital)
3. *Transponder:* Select transponder directly via number.
4. *DiSEqC1.0:* DiSEqC position for DiSEqC1.0 switch.
5. *22 KHz:* automatic setting.
6. *Polarization:* Auto, horizontal, vertical.

4.4 Single satellite search

In this menu you can search a single satellite for stations.

- 1 *Satellite*: Select the satellite on which you want to search for new stations.
- 2 *Free stations only*: Select, whether you only want to search for decoded programs (OK) or also for coded programs (NO).
- 3 *Searching*: Select, whether you want to search for TV and radio programs or only for TV or radio programs.
- 4 *Network search*: Presetting: "No"
- 5 *Searching mode*: Preset search (only searches the programmed transponders); automatic search (searches all receivable stations).
- 6 *Search*: Start the search.

Cancel the search with the EXIT button.

4.5 Multi satellite search

In this menu you can search all satellites programmed in a satellite list for stations.

- 1 *Satellite*: Displaying all satellites, on which the search is carried out.
- 2 *Free stations only*: Select, whether you want to search for TV and radio programs or only for TV or radio programs.
- 3 *Network search*: Presetting: "No".
- 4 *Searching mode*: Preset search (only searches the programmed transponders); automatic search (searches all receivable stations).
- 5 *Search*: Start the search.

Cancel the search with the EXIT button.

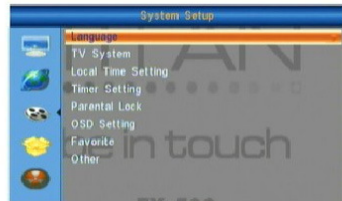
4.6 TP list

In this menu you can change, add or delete the transponder on a satellite. Select the desired satellite using the VOL buttons.

1. Press red button to change the frequency, symbol rate and polarization on the selected transponder.
2. Press green button to create a new transponder or to edit parameters.
3. Press yellow button to delete the marked transponder.
4. Press blue button to search the new transponder for new channels.

5. System menu

The opposite list appears after entering the system menu:



5.1 Language

In this menu you can select a menu language, as well as pre-select a first and a second audio language (as long as these are provided by the broadcasting station). In addition to that you can select your favorite subtitle language and teletext.

5.2 TV settings

1. **Color:** Select transmitting system
Default setting: Auto
2. **Screen format:** Select screen format; default setting: 4:3LB.
3. **Video output:** Select output format CVBS or RGB.

5.5 Parental lock

The default password is "0000".

1. *Menu lock*: Switching on/off the password entry in installation menu.
2. *Program lock*: Switching on/off password entry for locked programs.
3. *New password*: Specify new password.
(It is essential to keep the new password in mind).
4. *Confirm password*: Enter new password again for confirmation.

5.6 OSD settings

In this menu you can carry out settings on subtitle display, menu displaying time (OSD displaying duration), as well as on menu transparency (OSD transparency).

Under menu pre-settings you can recover the original settings.

5.7 Favorites

In this menu you can associate your own name to the favorite lists. Enter the name using the number buttons on the remote control (similar to a mobile phone).

Press yellow button to confirm the new name.

5.8 Miscellaneous

Switch on or off the LNB power supply (Presetting: On).

Here you can also specify, whether the program list

- displays all stations (complete)
- displays coded stations only
- displays free stations only.

6. Miscellaneous

6.1 Information

Displaying the hardware used in the receiver.

6.2 Default settings

In this menu you can reset the receiver to default settings. All modifications carried out by you will be reversed.

The default password: 0000

6.3 Upgrading via satellite

In this menu you can upload the most current games on the receiver. You can download the software via satellite Astra 1E.

Please do not modify any preset parameter.

Select the icon "Start". The receiver is searching for an updated software version for the receiver. If the message 'SW version is same to current version! Do you want to continue?' appears, your receiver is equipped with the latest software. Finish the download with "Exit" button.

7. Games

In the game menu you can play Tetris or Othello.

7.1 Tetris:

1. Playing instructions

Set your desired start level under "Setup", using the ◀/▶ buttons.

- Press "Start" to start a new game.
- Press "Cancel" to exit the game.

- Use VOL◀ and VOL▶ buttons to move the characters from left to right.
- Press CH▲ to turn character clockwise.
- Press CH▼ to faster place the characters.
- Press OK button to pause or restart the game.
- Press MENU button to exit the current game and return to game menu.

2. Othello (Reversi)

Set your desired start level under "Setup", using the ◀/▶ buttons.

- Press "start" to start a new game.
- Press "Cancel" to exit the game.
- Use VOL◀, VOL▶, CH▼ and CH▲ buttons to move on the hairs cross and to select the spot on which to place your stone.
- After selecting the spot, press OK to place the stone.
- Press Menu button to exit the current game and return to game menu.

8. Disassembly

- Disconnect the receiver and all connected devices from the power supply.
- Unscrew the LNB cable from the receiver.
- Remove the batteries from the remote control, if you do not use the receiver over a longer period of time.
- Pack the receiver, cables and remote control in the box.
- Store the receiver and all accessories at a dry and dust-free location.
- Protect the receiver from frost.

Care

Caution!

The receiver must not get wet. Never clean with a wet cloth.

Do not use solvent-containing cleaners like benzene or thinner. These cleaners can damage the surface housing.

Clean the housing of the receiver with a **dry** cloth.

9. Trouble-shooting

<i>Problem</i>	<i>Possible cause and solution</i>
Satellite can not be found or no signal	<p>Example: ASTRA 19E Button 1: (Presetting: „Das Erste“) Button INFO („Das Erste“, FR11837) Signal AND quality are both 0%</p> <p>Direct the vertical mirror south. Turn few millimeters left or right, wait about 3 seconds and repeat until signal and quality are displayed. If signal is at approx. 60%, the black background disappears and TV picture is displayed.</p> <p>Please select a current program from the preset channel list for choosing another satellite and then press INFO button.</p> <p>The satellite guide in the accessory menu will give you further notes on the correct direction of the mirror.</p>
Front indicator is off; LED not illuminating	<p>The mains cable is not connected. Connect the power adapter to the mains. Switch on the circuit breaker. Possible short circuit at the antenna input lead: Check the connections.</p>
Red and green LED illuminate.	<p>Receiver is in standby operation mode. Press the POWER button on the remote control (or receiver). The receiver switches on and the program is displayed on the TV screen.</p>
No sound or picture, but menus of receiver displayed.	<p>The antenna is not directed towards the satellite. Direct the antenna correctly.</p> <p>No signal (with symbol). Check the cable connections from the LNB to the receiver and from the receiver to the connected devices. Direct the antenna.</p>
Red LED illuminating; no picture on TV screen.	<p>The system is not connected properly. Check the connection of the SCART cable.</p> <p>TV is not in AV operating mode. Switch on the right AV input of the TV.</p>

<p>Poor picture; locking error; bars on the screen; no sound.</p>	<p>The antenna is not exactly directed towards the satellite. Direct the antenna more exactly. Therefore use the INFO button on the remote control. Signal for the antenna direction will be displayed. The LNB is defect. Replace the LNB.</p>
<p>No picture, no sound, signal strength, no signal quality</p>	<p>Satellite antenna is directed towards a wrong satellite.</p>
<p>Remote control not working.</p>	<p>Batteries are exhausted. Replace the batteries. Remote control not properly pointed. Point the remote control to the front side of the receiver and make sure that there are no obstacles between the remote control and the receiver.</p>
<p>Channel got a new frequency</p>	<p>Delete TV channel; then undertake automatic channel search.</p>

10. Specifications

Dimensions in mm (B x D x H)	265 x 158 x 39
Weight in grams	Receiver 1000g
Input frequency range	950 MHz ~ 2150 MHz
IF Bandwidth	55MHz / 8MHz (below 5MS/s)
Power supply LNB	13/18V GS, 500mA max. Overload protection
LNB Control	22KHz \pm 2KHz
DiSEqC Control	Version 1.0 and 1.2
Input symbol rate	2 ~ 45 Mbit/s
Bit stream	ISO/IEC 115200 Bit-Stream-Specification
Input speed	Max. 15Mbit/s
Error correction (FEC)	1/2, 2/3, 3/4, 5/6, 7/8
Video	MPEG-2 MP@ML
Audio	Audio Layer 1 or Layer 2
Height-side-ratio	4:3 Letterbox, 4:3 Pan Scan, 16:9
Video resolution	720 x 576 (PAL), 720 x 480 (NTSC)
Audio mode	Left, Right, Stereo. AC3
Power adapter – input voltage	100-240 V ~, 50/60 Hz
Power consumption	11 W (operation with single LNB) < 8 W (standby)
Operating temperature	+5 °C ~ +40 °C
Storage temperature	-10 °C ~ +65 °C

Warranty:

The warranty of this satellite receiver is in compliance with the legal regulations applicable on the date of purchase.

Declaration of conformity

The manufacturer of this Satellite receiver herewith declares that this product has been manufactured in conformity with the following standards and industry directives:

Low voltage directive 73/23/EWG

- EN 60 335-1
- EN 60 335-2-15

Directive on electromagnetic compatibility 89/336/EWG

- EN 55 013:2001
- EN 55 020
- EN 61000-3-2000
- EN 61000-3-1:1995+A1:2001
- EN 61938

Type: Digital Satellite Receiver



Your device carries the CE symbol.

DiSEqC is a registered trademark by EUTELSAT.

DVB is a registered trade mark by the DVB Digital Video Broadcasting Project.

Glossary

AC	Alternating Current → connection for alternating current
DC	Direct Current → connection for direct current
Cinch-Plug	Coaxial plug for connecting TV or stereo systems
DiSEqC	Digital Satellite Equipment Control System for controlling different external devices with the help of a satellite receiver. There is a special need for the selection between multiple satellites (e.g. Astra and Eutelsat).
DVB	Digital Video Broadcasting Broadcasting digital TV programs.
EPG	Electronic Program Guide Electronic Program Guide
FTA	Free-to-Air Services Free-of-charge services that can be received without a special decoder.
HDMI	The High-Definition Multimedia Interface (HDMI) is a licensable audio/video connector interface for transmitting uncompressed, encrypted digital streams
IF Plug	Coaxial plug for connecting the LNB antenna cable
LNB	Low Noise Block Amplifier / Converter Device within the focus of the antenna which converts the high frequency signals from the satellites into a low frequency range (IF) and simultaneously amplifies them.
Mute	Button on the remote control to mute the sound.
OSD	On Screen Display Menu control visible on the screen.

PID	Code number of a received data stream PIDs make sure that data packets of a channel are searched and combined correctly within a data stream.
Receiver	Receiving appliance that converts the antenna signals into video and audio signals.
SCART	21-pin plug-and-socket connection for connecting a TV to the receiver.
Transponder	Satellite frequency. Multiple digital programs can be sent on one transponder simultaneously.

For your own notes:

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Thank you for choosing one of our products.
This product complies with the legal standards and is manufactured under constant quality control.
The technical specifications are up-to-date at the time of printing. Subject to changes without prior notice.