



SUMMARY

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1

INTRODUCTION

These instructions include special information which must not be made available to children under 18.

INTRODUCTION

Thank you for having chosen this digital receiver. Carefully follow the instructions in this manual to enjoy all the advantages of satellite TV and radio reception (DVB standard). We advise following the use instructions and recommendations supplied with the digital receiver, especially for first-time use. This receiver fully complies with international DVB (Digital Video Broadcasting) standards and includes one or several conditional access systems. It is compatible with televisions and video machines equipped with a standard SCART/Peritel connector.

RECOMMENDATIONS

The packaging of the receiver includes cardboard and plastic which can be recycled to protect the environment..

Storage



If this receiver is not used directly after purchase, it can be stored in its original packaging, in a cool dry place, at a temperature of between -6° C and +50° C. Before use, wait until the receiver has reached an ambient temperature.

Electrical power supply



This receiver is designed to operate with 90/240 Volts AC power at 50/60 Hz. Its maximum energy consumption is 8 or 18 watts (depending on the model). The receiver comes with an AC power cable. For your own personal safety, do not touch the receiver outside normal conditions of use (e.g.: humidity). Unplug the receiver in the event of prolonged periods of non-use and storms..

Satellite dish installation (satellite model)



Although not supplied with the receiver, we advise reading the satellite dish installation instructions. When in doubt, contact your satellite dish specialist.

Remote control batteries



The remote control supplied with your receiver comes with two alkaline batteries, type LR03-AAA. Always replace with batteries of this type. Insert the batteries without forcing and according to the polarities indicated (+ and -). We wish to remind you that used alkaline batteries must never be thrown into a fire. To protect our environment, we recommend recycling them..

Location of your receiver



Your receiver has ventilation slots (on the bottom and on the top). To ensure the correct ventilation of your receiver and hence its service life and normal functions (constant and low internal temperature), these slots must never be obstructed. This receiver is designed to operate with temperatures of between 0°C to +40°C. Installation in premises which are confined or subject to changes in temperature or humidity (sheds, attics, small cellars, etc.) may cause receiver overheating, premature wear or problems not covered by the warranty.

Place your receiver in a dry, dust-free location. It is not designed for outdoor use.

Digital receiver maintenance



To clean your receiver, dust with a dry cloth only or dampen with distilled water. Never use detergents of any kind. Before cleaning, always disconnect the receiver from the mains and from the satellite/cable/terrestrial coaxial cable.



IMPORTANT

1

IMPORTANT



We draw your attention to the fact that the recording of programs, pictures, sounds, videograms, broadcasts, software transmitted via terrestrial, satellite or cable, individual or collective antenna, and their rebroadcasting or commercial use outside the home may constitute a violation of copyright laws.

FOR YOUR PERSONAL SAFETY



Never open the receiver. It contains no part that can be repaired by the user. The opening, modification of circuits or connection of any non-compliant equipment renders the warranty null and void. For maintenance or repair, bring the receiver to your dealer if under warranty, or to a qualified technician in all other cases. In order to limit the risk of fire, electrocution or damage caused to other equipment or people, protect the apparatus from damp, bad weather conditions, dust, sand, radiation, sun, cold or high temperature (refer to technical information for more details).

REMARKS CONCERNING ELECTRICAL DEVICE

This receiver complies with the low voltage directive (European standard EN 60.065) and the "electromagnetic compatibility" directive (European standard EN 55.013). It also complies with the European Community directive governing radio interference (89/336/CE). The manufacturer disclaims all responsibility in the event of any use which does not comply with the recommendations in this manual and made available to customers by mail, telephone, telematics, or broadcast. The manufacturer cannot be held responsible for direct or indirect fraudulent use of the device (example: counterfeiting, piracy, or illicit copying).

REGARDING THE ASSOCIATED SATELLITE DISH (SATELLITE MODEL ONLY)

Our receiver can support a large number of configurations and was designed to facilitate use, even with a double reception satellite receiver (i.e. Eutelsat 13°E + Astra). This receiver generates DiSEqC (Level 1.1) control signals to facilitate the reception of these two satellites, as well as DiSEqC 1.2 integrated positioner handling in order to receive a large number of satellites with only one dish. We recommend the use of a universal LNB reception head (L.O. : 9.750 and 10.600 MHz). For the installation of the dish and/or an additional satellite receiver (not supplied), an "installation kit" can be purchased from your dealer which includes coaxial cable, a light tools and various connectors.

PROGRAM ACCESS RESTRICTION

Access to certain programs is exclusively reserved for adults (18 years of age and over). To block access, these channels can be locked through the use of a parental code. Moreover, a number of conditionnal access are designed to indicate a maturity rating, protected by a secret code. In compliance with law, children under 18 years of age must not be given access to this secret code. We wish to draw the attention of adults to the above law. The manufacturer cannot be held responsible for the use of this secret code by children under the age of 18.

SUBSCRIPTIONS

The reception of Pay TV programs and services is linked to the use of a conditionnal access card.

2

DTVA

Your DTVA is easy to install and configure. The first two chapters describe how to connect it to your installation and how to configure it.

The following chapter describes daily use of the remote control.



Receiver indicator
Green = in function
Orange = receiving
Red = standby
and remote control
activation indicator
(Orange)

Door for optional conditional
access smart card(s)

Three models cover the various reception modes:

- satellite, for dish reception;
- cable, for connection to a cable network;
- terrestrial, for digital terrestrial reception, with a standard antenna.

In the case of satellite or terrestrial, we recommend that your installation (antenna or dish, cabling) is carried out by a professional, who will help you for possible upgrade.

Your kit includes the following parts:

- the DTVA (colours may vary depending on the model), with its connecting cable;
- a power supply that can accept a large voltage range;
- a remote control unit (handset);
- two batteries for the remote control;
- the user's manual.

This manual describes the three DTVA models. Some options only are dedicated to a specific model.

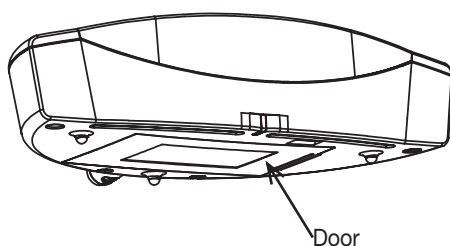
YOUR DIGITAL RECEIVER

2

SMART CARDS INSTALLATION (OPTION DEPENDENT)

According to the option your DTVA includes one or two smart card readers, which allow you to receive scrambled programs.

These readers are located into the DTVA. To access them, power off or put on stand-by (red indicator) the DTVA then open the door.



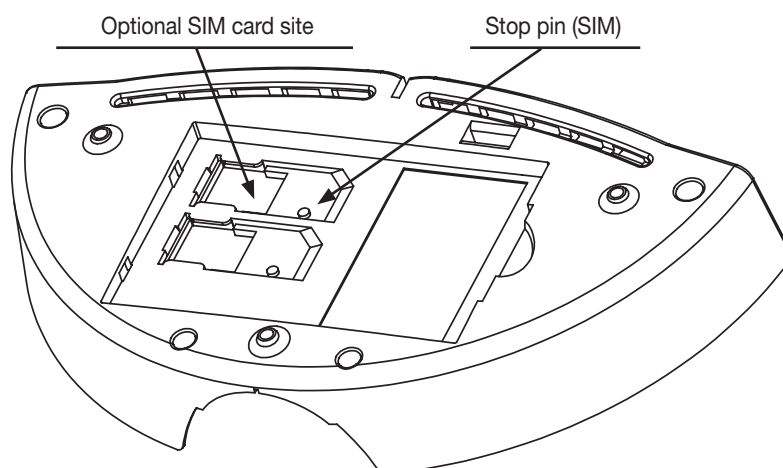
According to the option, you can install:

- one standard format card;
- either one small format card (SIM);
- either one SIM card and one standard format card
- either two SIM cards.

Consult your digital pay-TV dealer to buy this smart card. Carefully check you can receive these programs with your equipment (satellite, cable or terrestrial).

You don't need to have a smart card in order to receive free programs (so called Free-To-Air or FTA)

To insert a SIM card, engage it in the corresponding site. Check that the card is secured by the plastic stop pin. Simply put the standard smart card into its location. Close the door. Switch back on the DTVA.



2

DTVA

CONNECTING THE DTVA

You only need to plug in three connections in order to use your DTVA.

All the connections are grouped into one unit which provides:

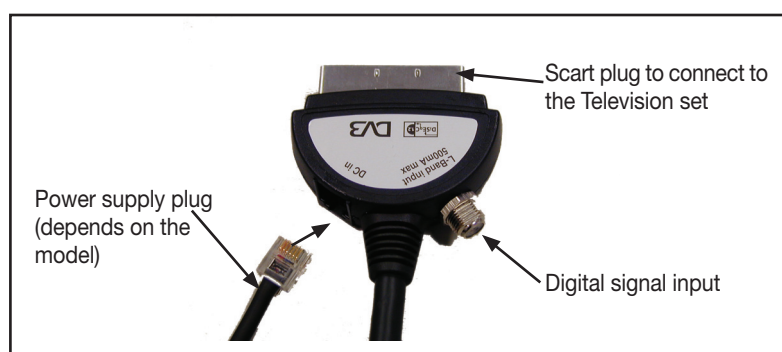
- one Scart plug,
- one power supply socket,
- one digital signal input.

CONNECTING THE DIGITAL SIGNAL

The digital signal input is DTVA model dependent. It can be :

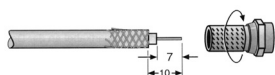
- one F connector for satellite;
- one IEC 169-2 connector for cable or terrestrial.

Never plug the power supply into the mains before connecting all the other signals.



• Connecting the satellite signal

Connect the input to the satellite dish, using a coaxial cable with a F plug. If there is no F plug fitted on the cable: isolate the cable as shown in the diagram below and carefully screw it onto the cable until it stops. While fitting the plug, make sure there is no contact between the outer metal strap and the core, to prevent a short circuit.



Take care to screw the F plug onto the connector.

• Connecting the cable signal

Connect the cable signal from the wall socket to the unit with an extension cable.

• Connecting the terrestrial signal

Connect the input to the outdoor or indoor antenna with its cable.



FIRST-TIME USE

2

CONNECTING THE POWER SUPPLY


Connect the power supply plug into the unit .
Install your DTVA on the top or to the side of the television.

CONNECTING TO THE TELEVISION

Plug the Scart connector into the television.
Your DTVA is now ready to use.

Plug in the power supply. The DTVA indicator turns red, or may be green.

STARTING YOUR DTVA

Insert the two batteries into the remote control unit, according to the polarity.
Switch on the television. If the DTVA indicator is red, press the  key on the remote control.

The next chapter describes all the functions of your remote control unit.

DTVA CONFIGURATION

When first turned on, your DTVA receiver will guide you through the configuration, by displaying the necessary menus.

Language choice

Choose the language you want to use.

Local Time configuration

To configure local time, the difference between local time and Greenwich Mean Time (GMT) has to be indicated. In the United Kingdom, select GMT+1 during the summer and GMT in winter.

Audio language and sub-titling (option)

Choose your favourite languages for the audio channels and for sub-titling (option)

Installation configuration

If you have a satellite receiver, you have to describe your installation (see chapter 5).

Channel scan

Go on to chapter 7 for channel scan.

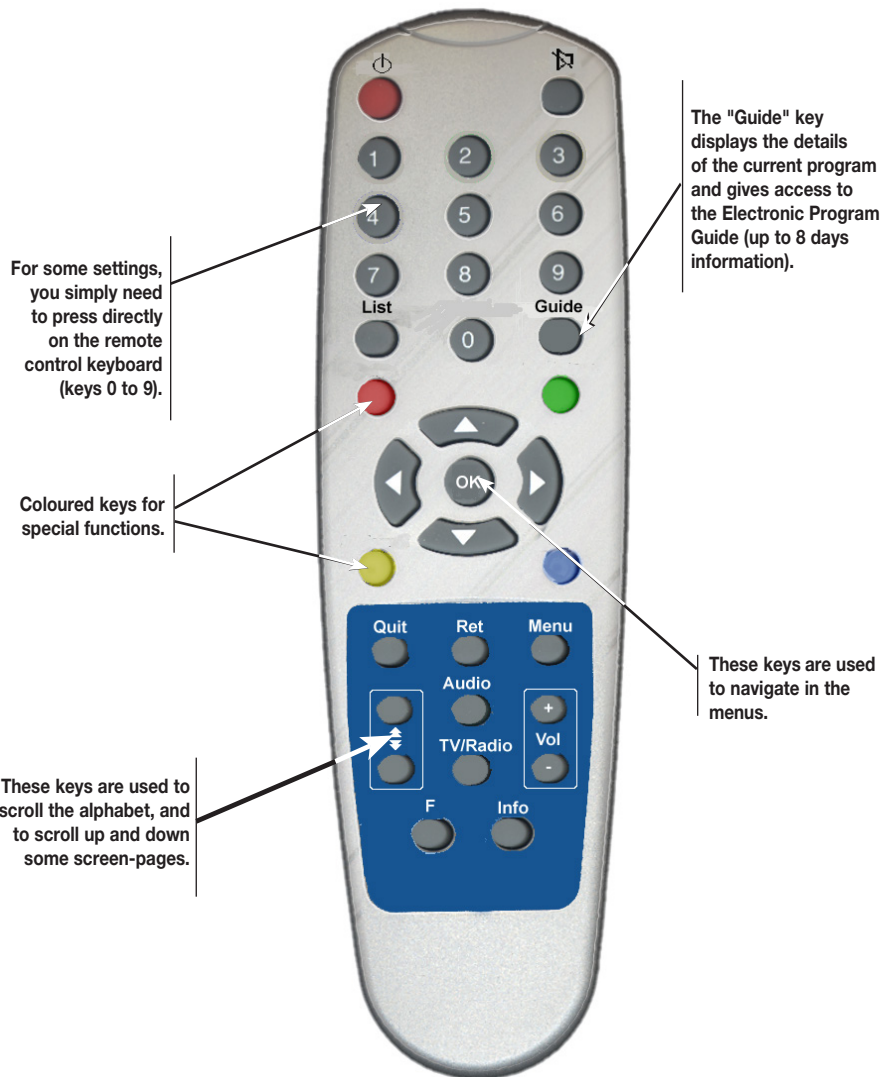
Then we recommend you to sort your favourite programs into the channel lists (see chapter 8).

Now you can enjoy digital television and radio.

3

DTVA

Some keys of the receiver's remote control give access to settings and configuration menus.



THE REMOTE CONTROL

3



Start up / Standby of the receiver.

9



0



Number keypad
direct selection of the channels



Increase / decrease
the sound volume



Selection of the following or
previous screen-pages



TV/Radio Radio/TV mode selection



Menu Displays on the main menu screen
(settings)



Ret. Returns to the previous selection



Quit Leaves a screen (without saving)



F "F" key : reserved for Future
extension



Mute

Temporary sound cut



Red, Green, Yellow, Blue keys
Special functions



Guide

Available information (current
program) and program guide
(if broadcasted by the operator)



Audio

Access to the audio configuration
(languages, mono/stereo)
of the current program



List

Displays on the screen the list
of the favourite channels



info

Technical information of the current
program



Selects following channel/upward
selection
Selects previous
channel/downward selection



Moves to the left and the right
List selection



Validation of a command
(e.g. : memorization)

Displays on the screen the list
of the favourite channels



4

USING THE REMOTE CONTROL

All the functions of your DTVA receiver can be accessed using the remote control.

The main uses are :

1. Daily use

- Program selection
- Favourite lists selection
- Sound adjustment
- Display of information on current program and Electronic Program Guide (EPG).
- Parental code activation/deactivation

2. Occasional use

- Selection of the favourite programs and organisation into named lists for an easy and personalised access.
- Updating of the programs broadcast.

3. Installation configuration

This configuration must be made during the first installation of your receiver, or after any equipment modification (dish, LNB, positioner, switch, TV).

Your receiver comes with a very complete software. To keep up with any technology or operator-based developments, new functional capabilities can be developed. New versions of the software could be made available. For better service, these new versions are available via selected satellites.

DAILY USE

With your receiver, you can access a large number of programs available via satellite, by creating personalised program "lists". Chapter 8 describes this list function in depth.

Program selection

The navigator gives you access to all the programs. When you change channels, a banner appears at the bottom of the screen displaying the channel name, current list name and channel number from the list. The ▲▼ buttons are used to change channel in the current list. The ◀▶ buttons are used to change the current list. The name of the selected list appears at the bottom-right of the screen. After first installation, two lists are available : "All" and "Free" for channels without conditional access (FTA, or Free-To-Air). You can also select a channel by pressing its number on the digital keypad.

Program lists

By pressing the OK button, the complete list will appear on the screen. Use the ▲▼ buttons to go to the previous/next line, or the ▲▼ buttons to go to the previous/next page.

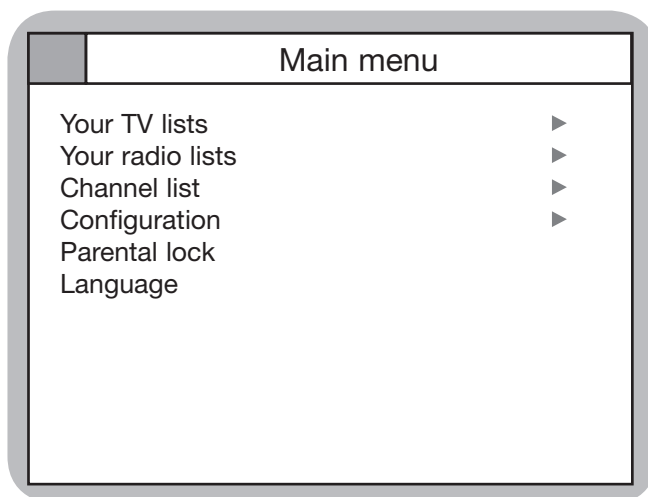
Sound volume adjustment

Use the Vol+ and Vol- buttons to adjust the sound volume. Use the M button to mute the sound temporarily. A pictogram M appears on the screen. Press this button again to restore sound.



MAIN MENU

4



Electronic Program Guide

To access the Electronic Program Guide, press the **GUIDE** button. This function is detailed in chapter 9.

Choice of language

A number of programs are broadcasted with several different simultaneous sound tracks. You can view the available languages and choose one by pressing the **AUDIO** button.

CONFIGURATION MENU

Press the **MENU** button to access the other menu functions. The menu is very easy to use. The following chapters explain certain specific points to enable you to use all the power and flexibility of the DTVA.

The **▲▼** buttons are used to go up or down, **◀▶** left or right. Press the **OK** button to validate your choice and/or open the next screen. Press the **RET** button to return to the previous screen.

Press the **QUIT** button to leave the configuration menu.

Chapter 8 describes "Your TV lists", "Your Radio lists" and "Channel list" functions.

The "Configuration" function is detailed in chapters 5 and 6, for satellite only.

The "Parental lock" and "Smart card" functions are described in chapter 10.



4

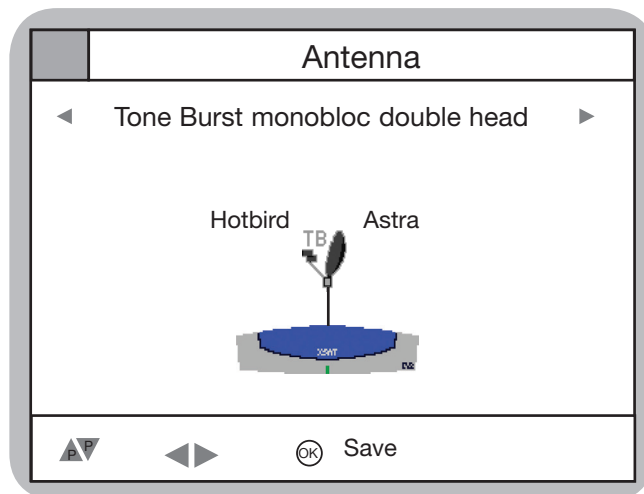
MAIN MENU

LANGUAGE MENU

The “Language” menu is always at the bottom of the list. It is therefore easy to find even if your DTVA was configured with an unknown language. After selecting a new language, wait a few seconds to allow the DTVA to reinitialise and display the chosen language.

CONNECTION AND First-time use (satellite)

5



STARTING YOUR DTVA RECEIVER

Turn on the television. Select an "AV" or "AUX" program (refer to the television instructions). Plug in/Switch on the DTVA receiver, which then initialises. The XSAT logo will then appear on the television. If your receiver has not yet been configured, it will display a series of screens to guide you through the initial configuration. If your receiver goes into standby mode when turned on, press the button on the remote-control.

DTVA RECEIVER CONFIGURATION

When first turned on, your DTVA receiver will guide you through the configuration, by displaying the necessary menus.

Local Time configuration

To configure local time, the difference between local time and Greenwich Mean Time (GMT) has to be indicated. In the United Kingdom, select GMT+1 during the summer and GMT in winter.

Installation configuration

Installation is summarised in detail on only one screen.

First select your own configuration using the buttons. Standard configurations are:

- Standard LNB : use of one dish with one LNB ; allows you to receive one satellite.
- Tone Burst monobloc double head : only one dish with a monobloc double head to receive two close satellites (e.g: Astra and HotBird in Europe).


5

CONNECTION AND first-time use

- DiSEqC 2 inputs + standard LNB :
two LNB (one or two dishes) with
a DiSEqC switch, allows you to receive
two satellites.
- Twinsat Motor + standard LNB :
only one dish with a dual position
motor for receiving two close or remote
satellites.
- DiSEqC motor + standard LNB :
to receive a large number of satellites
with only one LNB and a DiSEqC 1.2
compatible motor.

A number of other configurations with
one or two switch levels are also
available.

Use the buttons P+/P- to move verti-
cally, to configure each level of the
installation, from the satellite(s) received
to the DTVA.

To modify the configuration of an item,
select it with the navigator keys and
press .

Press the Blue button to record your
configuration.

**Use the Blue or  button to save the
configuration.**



ADJUSTING RECEPTION (Satellite)

6

Your DTVA makes it easy to control the quality of the reception and helps you to point your dish in the direction of a satellite, even in the case of a motorised mounting, using a DISEqC 1.2-compatible positioner.

However, we recommend that initial settings are carried out by a professional, who will have all the equipment and invaluable experience required for this.

INFO BUTTON

To control program reception quality, press the Info button. Information on the current program is displayed, including the reception level and the digital signal/noise ratio.

If the signals are weak, this could be because your dish is badly positioned. Nevertheless, check the reception of other programs before changing your dish positioning.

CONFIGURATION / INSTALLATION POSITIONING ANTENNA MENU

This menu can be accessed from the "Configuration" menu and is useful in a number of ways:

- Standard dish: first installation or if a violent wind has moved the positioning of the dish.
- Motorised dish: first installation or to add new satellites to your receiver; this screen displays a graphic which represents the reception level and digital signal/noise ratio.

You receive digital signals

You must tell your receiver which transponder these readings should be taken from (frequency, polarization and symbol rate). This depends on the satellite. For example, you can choose: Hotbird 13° E 12245 H 27500
Astra 19,2° E 12402 V 27500

You can use the ◀▶ buttons to choose different operating modes. The first thing to do is to position your dish. Use a plumb line to check that the mounting is vertical. Adjust the elevation by following the instructions.

FIRST INSTALLATION STANDARD DISH (NOT MOTORISED)

Access the "Configuration/Installation/Positioning antenna" menu, choose "Scan with manual stop" mode. Position your dish to obtain maximum reception level and signal/noise ratio. Then lock the dish in position.

Dish rotation

If your mounting is motorised, it can be controlled using a number of buttons.


The ▲▼ buttons are used to turn it to the West or to the East. To stop rotation, press ⏻. To finely adjust the position, use the colour buttons for a coarse or fine adjustment. Wait to allow the signal/noise levels to stabilise each time the dish has been moved.



6




ADJUSTING RECEPTION (Satellite)



FIRST INSTALLATION MOTORISED DISH

If your positioner accepts the command "GOTO X", select pre-positioning mode; if not, skip to the following paragraph. Use the graph supplied with your positioner to calculate the azimuth of one of your satellites. This depends on the latitude and longitude of the location. Press the Info key and indicate this value in tenths of a degree East or West. Press  to preposition your motorised dish.


Manually position your dish to obtain maximum reception levels and signal/noise ratio. Then lock the dish in position. Go to the "Adding a satellite" paragraph.

MOTORISED DISH WITHOUT PREPOSITIONING

Activate the "Go to position 0" command, to position your dish towards the south, or activate the "Scan with manual stop" command and position your motorised dish at "0" using the   buttons (East or West). Position your dish in a southerly direction. Use a compass taking into account the magnetic drift of the location. Lock your dish in place. Activate the "Go to preset position" command. Adjust the position of your dish using the movement buttons. When the signals are at maximum, validate the position with the  button.

"Scan with auto stop" mode can also be chosen. After pressing one of the   buttons, the receiver stops the motor automatically as soon as there are satisfactory signal level and signal/noise ratio.

ADDING A SATELLITE

To adjust the position for another satellite, add it in the Antenna menu, and adjust the position in the "Positioning antenna" menu. When correctly positioned, press the  button to memorise it.

The "Recalculate" command can then be reactivated if your dish positioning system supports this command. All memorised satellite positions will be adjusted.



CHANNEL SCAN (Satellite)

7

Scan satellite

Scanning mode

◀ Fast (NIT) ▶

Satellite

◀ ASTRA ▶

OK RET

☐ NIT Parameters

CHANNEL SCAN

With the "Channel List/Scan satellite" menu, you can scan the available channels on selected satellite(s). Only the satellites defined on the configuration screen can be used.

Three scan modes are available:


- Fast (NIT)
- Exhaustive
- Frequency

Use the buttons to select the mode.

Fast scan (NIT)


This is the fastest scan (normally less than two minutes for a complete satellite). It uses an information table broadcasted by the satellite in accordance with the DVB standard (NIT: Network Information Table). This table includes most of the programs available on the satellite.

This method is quick and easy, although it can only find the services defined by the NIT. This depends on the operator. Press the Blue button to change NIT parameters.

Press  to start the fast scan. A screen displays:

In the "Fast Scan" progress screen you can read:

- the number of transponders (frequencies) found,
- then, during the scan, the number of TV and radio programs found.

Press  to validate the scan result. Wait a few seconds for the DTVA to save the scan result.



7

CHANNEL SCAN (Satellite)

Scan satellite	
Satellite	◀ Exhaustive ▶
Symbol rate (kS/s)	◀ HotBird ▶
	27 500 22 000
	29 900 0
OK RET	

Exhaustive scan

With the exhaustive scan, you can scan all the frequencies of a selected satellite broadcasted with a specific symbol rate. You can specify up to four different symbol rates.

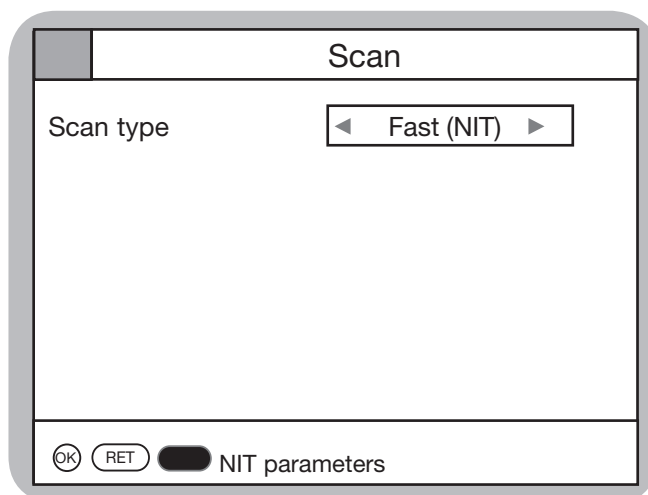
If your satellite comprises more than four symbol rates, activate the command several times.

Frequency Scan

This mode is used to specify a frequency, a polarization and a specific symbol rate. Use this mode for scanning specific transponders (SCPC type, for example), or to add a new transponder, for instance when a transponder is switched from analogue to digital mode.

CHANNEL SCAN (Cable and Terrestrial)

7



CHANNEL SCAN

With the "Channel List/Scan cable" menu, you can scan the available channels on your cable network.

Three scan modes are available:


- Network(NIT)
- Exhaustive
- Frequency


Use the buttons to select the mode.

Fast scan (NIT)

This is the fastest scan. It uses an information table broadcasted by the network in accordance with the DVB standard (NIT: Network Information Table). This table includes most of the programs available on the network.


This method is quick and easy, although it can only find the services defined by the NIT. This depends on the operator.

Press the blue  to change NIT parameters. The NIT type can be "actual" or "other".

Press  to start the fast scan. A screen displays:

In the "Fast Scan" progress screen you can read:

- the number of carriers (frequencies) found,
- then, during the scan, the number of TV and radio programs found.

Press  to validate the scan result. Wait a few seconds for the DTVA to save the scan result.

7

CHANNEL SCAN (Cable and Terrestrial)

Scan cable

Scan type

◀ Exhaustive ▶

Frequency Range

100 to 400

Home carrier

155 150

Symbol rate (kS/s)

6 875 0

Modulation

◀ Automatic ▶

OK RET

Exhaustive scan

With the exhaustive scan, you can scan all the frequencies of a selected range broadcasted with a specific symbol rate. You can specify up to two different symbol rates.

You have to define a reference frequency, called "Home Carrier", chosen from the frequencies used by your provider.

The modulation can be detected automatically, or specific (QAM 16, 32, 64, 128 or 256).

Frequency Scan

This mode is used to specify a frequency, a modulation and a specific symbol rate. Use this mode for scanning specific frequencies (not defined by a NIT, for example), or to add a new frequency, for instance when a frequency is switched from analogue to digital mode.

TERRESTRIAL SCAN

According to the country, the terrestrial scan can be network, frequency or channel type.



PROGRAM LISTS

8

CHANNEL LISTS

You can enjoy thousands of TV and radio programs with your DTVA. These programs are all available from the "All channels" list. Your DTVA makes it easy to find your favourites from among all those available, by organising program lists.

TV/Radio Mode

You can switch between TV and Radio mode, using the TV/Radio button. When Radio mode is selected, a logo appears on the TV screen ; all other information is available as for TV programs. As it offers the same possibilities as TV mode, radio mode will not be discussed further.

Free TV

When scanning a satellite, the DTVA detects unencrypted channels. You can access these channels from the "Free TV" list.

Important : a channel may be free at certain times and encrypted at others. The operator is also free to decide to change access to a channel. Therefore, there is no guarantee as to whether a channel is free or encrypted. Moreover, some unencrypted channels are not suitable for all viewers, especially young or sensitive people. Therefore, we advise you to lock these channels (see end of chapter).

Favourite channel lists

With your DTVA, you can personalise up to 8 favourite channel lists. Use the ◀▶ buttons for this function

CREATING CHANNEL LISTS

Select "Your TV lists" in the menu, then select one of the eight lists displayed on the screen. These lists are initially called TV1, TV2, ..., TV8.

The next screen is then displayed. The right-hand column contains the names of the channels added to this list.

NOTE: the same channel may appear in several lists.

List	
Channel	1 Channel 1
Operator	2 Channel 2
Satellite	3 Channel 3
Frequency	4 Channel 4
Encryption	5 Channel 5
	6
	7
	8
	9
	10
	11

▶ Add Channels

◀ Move selection

Ⓜ Rename list

ⓧ Remove





ⓧ Change position

ⓧ Save




8



PROGRAM LISTS


Name of the list

To change the name of the list, press the blue  button. The "Rename list" screen appears. Use the   buttons to access to the letters of the alphabet. To validate a letter and move on to the next, press the  button.

Adding channels





Press the  button. Using the   buttons, choose the list of all channels or free channels.

To select a channel, press . A cross (X) appears next to the name of the channel. To deselect it, press  once again.



Validate your selection by pressing the blue  button.

Changing the numbering

To change the number of a channel:

- press the yellow  button to give it a particular number,
- or press the green  button to move it using the   buttons.

Deleting channels

Press the red  button to delete a channel from the favourite list. This does not remove it from global lists. To do this, use "Menu/Channel list/Edit channel list". The name appears with a red line through it. Several names can be deleted in this way. Deletion is definitive only once the  button has been pressed to record changes made to the list.

PROGRAM LISTS

8

Edit channel list	List
Channel	Channel 1
Operator	Channel 2
Satellite	Channel 3
Frequency	Channel 4
Encryption	Channel 5
	Channel 6
	Channel 7
	Channel 8
	Channel 9
	Channel 10
	Channel 11
	Channel 12

☐ Delete
 ☐ Parental lock
 Save

GLOBAL LISTS

Global lists contain all DTVA channels.

Three lists are available :

- All radio channels
- All TV channels
- All channels

Global lists can be edited from the "Channel list" menu.

Two options are available :

- Edit the list, to delete a channel or for lock it using the parental code
- Delete channels, to delete all the channels of a satellite

Editing the list


Using the ◀▶ buttons, select the global list you wish to work on.

Use the ▲▼ buttons to change line and ▲▼ to change page.

The radio channels are indicated by a loudspeaker symbol to the right of the name.

To delete a channel: A channel can

be deleted using the red ☐ button. A red line appears, crossing out the name

To lock a channel : The yellow ☐ button allows you to lock/unlock a channel. Access is therefore protected by the parental code. A  symbol appears to the right of the channel name.

Press to validate all your modifications.

Deleting channels

The "Delete channel" menu allows you to remove all channels (TV and Radio) or just those from a specific satellite.








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ELECTRONIC PROGRAM GUIDE



The Electronic Program Guide provides you with information on current programs and a guide (TV or radio) covering several days.



This information is available only if broadcasted by the operator, which is why you may note a certain disparity between channels. Sometimes there is no information available for some channels.

Channel	Day- hh:mm Date
hh:mm - hh:mm  PROGRAM Program description	Next program  
 Now/Next 	

CURRENT CHANNEL INFORMATION

Press the  button to display information on the current channel. A banner appears at the bottom of the screen displaying the following information :

- name of channel
- date and time
- time current program begins and ends
- a bar which fills in as the program progresses
- name of program
- a short description of program content. If the description is long, a bar with   symbols appears to the right, inviting you to scroll the text vertically.



The name of the next program is displayed in the upper right-hand corner of the screen with the time it starts and ends. The   buttons allow you to alternate between the display of the current and following program.

Press  or  to remove the information bar.







ELECTRONIC PROGRAM GUIDE

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TV Schedule List		Day hh : mm Date		
	hh-mm	Today		hh-mm
Channel 1				
Channel 2				
Channel 3				
Channel 4				
hh-mm	hh-mm	Title		
		Information		
				



PROGRAM GUIDE

Press the  button once again to view the entire Guide. You may have to wait a few seconds before the information appears. This is normal.

The Program Guide displays information for channels in the current list. To change lists, exit "Guide" mode using the  button. Use the   buttons to select another list, then access the guide again.

The left column indicates the name of the channels.

Use the   and   buttons to change line and page.


The program guide displays information for two hours. You can extend or reduce this display time by pressing on the 'Vol+' / 'Vol-' buttons. Use the   buttons to scroll the guide horizontally.


Time segments corresponding to a program can be of four different colours:

- Yellow if the program is being broadcast;
- Green if it is to be broadcast later;
- Orange when the broadcast is over;
- Blue when selected independently of its time of broadcast.

Some information is available:

- Time program begins and ends
- Progress bar
- Name of the program
- A brief summary

Press the  button to activate the selected channel.

Press the  button once again to display detailed information on the selected program. Another screen appears with details on the program, the different languages available and possibly the theme of the program .

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PARENTAL LOCK - SMART CARD

Your DTVA receiver offers two protection options : parental lock and maturity rating.

The parental lock is a function internal to the DTVA. The maturity rating is specific to certain conditional access, including Viaccess.

PARENTAL LOCK

The parental code is available from the "Parental lock" menu. This code has four digits. The preset factory code is "1234". If this code is activated, access to the menu and locked channels will be restricted. You will only be able to access unlocked channels.

To disable the parental lock, enter the same code, then deactivate it in the "Parental unlock" menu.

The pre-set code can be changed as desired, in the "Configuration/Preference/Change parental code" menu.

Important: Do not forget this code, as you will lose access to a large number of receiver functions. If you should forget it, contact your supplier's after-sales service.

SMART CARD

You can view the characteristics of the smart card(s) inserted in your receiver with the "Smart card" command of the "Configuration" menu.

For each smart card reader, DTVA recognises whether or not a card is inserted, together with its conditional access. The cards recognised depend on your receiver model.

Select the card using the ▲▼ buttons, then press Ⓢ. Depending on the type of card, a menu appears.

You can consult your current access rights with any type of smart card, to check on subscription validity.

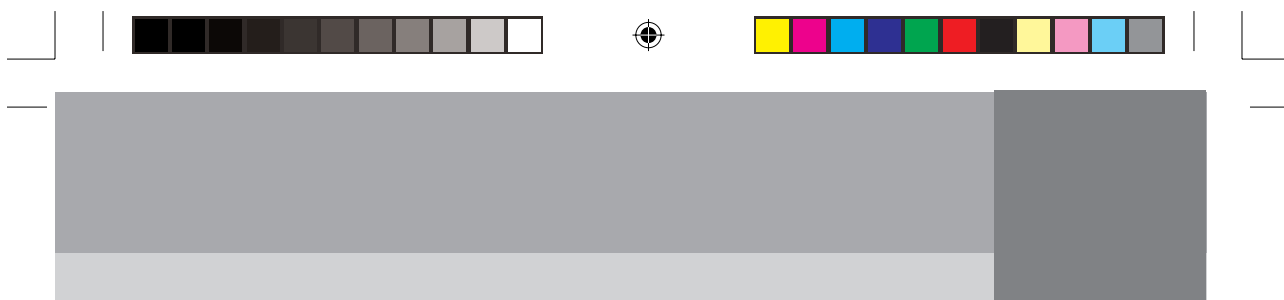
Important: If the receiver has not been switched on for more than a few weeks, your card rights may not have been updated.

Maturity rating

With some smart cards, like Viaccess, a maturity rating, protected by a secret code, can be defined.

A maturity rating from 0 to 15 restricts access to certain programs. Operators broadcast a rating for each program, based on content. It's up to you to decide the maturity level you want. If the broadcast level is higher than the level defined, the program will be off limits to anyone who does not know the secret code.

Important: The code is registered in the smart card. If you should forget this code, you will have to refer to your smart card supplier to get it reinitialised.



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TECHNICAL CHARACTERISTICS*

HF SIGNAL

Satellite model	950 to 2150 MHz (L-Band) - 65 to - 25 dBm
Cable model	54 to 862 MHz, -13 to +15 dBmV
Terrestrial model	51 to 858 MHz (UHF/VHF), -75 to -20 dBm
	Bandwith 8 MHz (optional 6 Mhz)

DIGITAL SPECIFICATIONS

DVB compatible	satellite : ETS 300 421; cable : ETS 300 429; terrestrial : ETS 300 744 EPG data by EIT (ETS 300 468)
Decoding	MPEG2 compatible (DVB/Main profile@Main level)
Video	1.5 ~ 15 Mb/s (720 x 576)
Audio	MPEG2 – Musicam (layer 1&2) (32,44.1,48 kHz)
Symbol rate	2 ~ 40 Mbaud
Conditional access	Single or dual, embedded CONAX and/or MEDIAGUARD/SECA and/or NAGRAVISION and/or VIACCESS

POWER UNIT

Mains	90 to 240 V, 50/60 Hz
Power requirements	satellite: 7-18 W; cable: 8 W; terrestrial: 8 W
Standby	≤ 1 W

LNB AND POSITIONER POWER UNIT (SATELLITE ONLY)

LNB power supply	Vert. 13 V, Hor. 18 V 500 mA max
LNB switching	22 kHz, DiSEqC 1.1 / Tone Burst
Dish positioner	DiSEqC 1.2 compatible

CONNECTIONS

RF	Satellite : one F type connector Cable or terrestrial : one IEC connector 169-2 diameter 9.5 mm
TV	1 Euro-Scart: PAL/SECAM/NTSC in CVBS and RGB + audio (stereo)

ACCESSORIES

Power supply unit, remote control, 2 batteries, user manual.
The receiver is in compliance with the 89/336/CE standard.

* Purely indicative and subject to modifications.



GLOSSARY

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DVB MPEG-2

DVB is the abbreviation of Digital Video Broadcasting, which is a standardisation group. DVB-S corresponds to the type of transmission (S = Satellite). MPEG is the abbreviation of Moving Picture Experts Group, a working group which defines international standards for audio and video digital compression. The MPEG 2 standard applies to the compression of digital TV signals.

DiSEqC

DiSEqC (Digital Satellite Equipment Control) is a communication protocol defined by EUTELSAT, between the satellite receiver (Master) and the peripherals (Slaves), such as the LNBs, the multiswitch and position-adjustable dishes. DiSEqC is a "one master / several slaves" system, which means that the installation only supports one master. All the commands are sent by the master.

DiSEqC Components

If all the switch matrices are in series, the Master receiver must send the DiSEqC signal a number of times, so that all DiSEqC multiswitches receive commands in series.

DiSEqC components (Slaves) have to be compatible downstream, which means that they must also meet receiver analogue switching criteria which only accept H/V and 22 kHz command signals.

A DiSEqC switch matrix thus operates with analogue switch criteria until the master sends a DiSEqC command. Then, all the analogue switch criteria will be ignored.

DiSEqC 1.2 positioner

With a DiSEqC 1.2 compatible positioner, a dish equipped with one LNB can be aimed at a number of satellites. This standard comprises specific commands for directing dish rotation.

FEC

FEC stands for Forward Error Correction, used to correct signal transmission faults between the satellite and your dish.

PID

The PID code (Packed Identification) is the identification number of audio and video signals in the digital data flow of DVB MPEG-2 signals. With this code, the receiver transmits audio and video signals to a specific address.

The PCR PID code is the identification code of the synchronisation symbol. It is usually the same as the Video PID.

Symbol rate

This rate corresponds to the quantity of data transmitted per second. This value is expressed in Msymb/s and is identical to the number of symbols transmitted per second.

Transponder

A transponder is a transmitter located inside the satellite, which transmits radio and TV signals to the satellite antennas on high level frequencies. It is defined by its frequency and polarization. A satellite may have several transponders.

Digital Transponder

A digital transponder can transmit several TV and radio programs at a time and on the same frequency. If an operator proposes several TV programs on one or several digital transponders, we generally refer to this as a bouquet of programs. It is defined by its frequency, polarisation and symbol rate.

Viterbi Rate

The Viterbi rate is used by the operator as a protection against transmission errors. It is a redundancy of the transmitted information. The DVB standard includes the following values: 1/2 - 2/3 - 3/4 - 5/6 - 7/8.

Eb/No ratio

This parameter expresses the signal/noise ratio of the digital signal. When the ratio is below 5 dB, reception is no longer possible.