TABLE OF CONTENTS

1. Precautions

1.1. Safety

Respect all maintenance advice, safety precautions and instructions recommended in this user manual booklet are for your safety and to prolong the working life of the equipment.

• **Definitions**

⚠ **Warning concerning user and equipment safety.**

⚡ **Warning about the risk of electric shocks.**

♨ **Indicates a hot surface.**

☀ **Warning about the onset of lamp depreciation**

• **Safety regulations**

⚠ **This SAGEM AXIUM™ Home Cinema Screen is a class I appliance; it MUST be connected to an electrical wall socket equipped with an earth.**
Your SAGEM AXIUM™ Home Cinema Screen is designed to function:
– with a 220-240 V~, 50 Hz, AC (alternating current) network;
– at an ambient temperature between +5°C and +35°C;
– in areas with humidity less than 85%.

Note: If your SAGEM AXIUM™ Home Cinema Screen has been in a damp or cold place, leave it for four hours in the room where it will normally be used before switching on.

(For more details, see chapter 15, 16, 17 according to the model).

⚡ To avoid danger of overheating or electrocution:
– avoid direct exposure to sunlight and do not put naked flames or any other heat source under the appliance;
– do not expose the appliance to water, drips or splashes
– do not place objects filled with liquid, such as flower vases, on the appliance;
– do not expose the appliance to very dusty environments;
– avoid shocks and vibrations.

⚡ You are recommended to disconnect the appliance from the power supply and the aerial:
– during thunder storms;
– when not used for long periods of time;
– when the appliance is malfunctioning (see chapter 13).

⚡ Before connecting or changing any connections to an audio-video/computer source (DVD player, PC, etc.), disconnect the power cord from each appliance.

♨ Make sure that ventilation grills are not obstructed by objects such as newspapers, table cloths, curtains etc.

⚡ To avoid electric shocks, do not insert foreign bodies, such as needles or coins into the ventilation grills.

Leave a gap of at least 10 cm around the appliance to allow sufficient ventilation.

☀ Before disconnecting the power lead, you are recommended to let the cooling fans of your SAGEM AXIUM™ Home Cinema Screen work for a few minutes. This will increase its working life.

ENGLISH

Your SAGEM AXIUM™ Home Cinema Screen utilises high voltage. Never attempt to access the interior of the apparatus, except when you are changing the lamp unit.

Do not open or dismantle this product as this will expose you to the risk of electrocution.

This appliance will auto-detect the end of the lamp's working life. Replace the lamp as soon as the bulb indicator lights up on the front panel.

When the SAGEM AXIUM™ Home Cinema lamp reaches the end of its working life you may hear a loud, sharp sound indicating it has expired. The appliance will only function when you replace the bulb.

To avoid burns or the lamp unit damage whilst it is being replaced, you must disconnect the mains lead from the wall socket.
Wait at least one hour before attempting to change the lamp unit.
Make sure that you follow the whole replacement procedure described in 'Changing the lamp unit' on page 23.

ENVIRONMENT

Preservation of the environment as part of a sustainable development logic is an essential concern of SAGEM SA. The desire of SAGEM SA is to operate systems observing the environment and consequently it has decided to integrate environmental performances in the life cycle of its products, from manufacturing to commissioning, use and elimination.

PACKAGING
The presence of the logo (green dot) means that a contribution is paid to an approved national organisation to improve packaging recovery and recycling infrastructures.
To facilitate recycling, please respect the sorting rules set up locally for this kind of waste.

BATTERIES
If your product contains batteries, they must be disposed of at appropriate collection points.

THE PRODUCT
The crossed-out waste bin stuck on the product means that the product belongs to the family of electrical and electronic equipment.
In this respect, the European regulations ask you to dispose of it selectively:
· At sales points in the event of the purchase of similar equipment.
· At the collection points made available to you locally (drop-off centre, selective collection, etc.).
In this way you can participate in the re-use and upgrading of Electrical and Electronic Equipment Waste, which can have an effect on the environment and human health.

LAMP UNIT
The worn-out lamp unit must be recycled. (Contact your waste recycling agency to obtain the address of the nearest depot).

1.2. Maintenance

· **Before doing anything, disconnect the mains lead from the wall socket.**
· Clean the cabinet using a soft, slightly damp cloth and a cloth with a non-abrasive, non wax detergent.
· Clean the screen carefully using a soft, damp cloth lightly impregnated with a soap solution.
· Never use benzene, alcohol or petroleum-based cleaning products as these could damage the finish and the screen.

2. Set Up

2.1. Fitting and connecting the speakers (AXIUM HD-D45 only)

According to the model of your SAGEM AXIUM™ Home Cinema Screen, refer to the following paragraphs:

Model AXIUM HD-D45 see § 15.2
Model AXIUM HD-D45S see § 16.2
Model AXIUM HD-D56B see § 17.2

2.2. Aerial connection

Insert the end of the coaxial cable leading from your aerial into the aerial input socket at the back of your SAGEM AXIUM™ Home Cinema Screen.

Your SAGEM AXIUM™ Home Cinema Screen has two internal tuners (except model AXIUM HD-D45S, which only has one tuner) and one cable is sufficient to feed them both.

PC IN (AXIUM HD-D45S)

SERVICE

DVD

INTERLACED OR PROGRESSIVE

AXIUM HD-D45S only

2.3. Mains connection

Insert the mains plug into a 220-240V~ 50H z electrical wall socket.

2.4. Switching on your SAGEM AXIUM™ Home Cinema Screen

Switch the Home Cinema Screen on by pressing the ON/OFF switch on the lefthand side of your appliance (See § 15.1, 16.1, 17.1 according to the model).

Setting up your remote control:
Open the battery compartment cover and insert the two R6-1.5V type batteries.
Make sure that the batteries are installed correctly.
Do not use batteries of different types or rechargeable batteries.

Switching on your SAGEM AXIUM™ Home Cinema Screen:
Press the ⏻ standby button on the remote control or righthand side door.

NB: *The on/off indicator light located on the front panel of your SAGEM AXIUM™ Home Cinema flashes orange whilst the lamp is warming up, then goes out when the lamp is functioning.*

When you set up your SAGEM AXIUM™ Home Cinema Screen for the first time, you can take advantage of a rapid installation procedure after this warm-up phase (see chapter 3).

Connecting other audio/video or computer appliances is covered in chapter 7. Before looking at this, proceed to the rapid installation.

2.5. Switching off your SAGEM AXIUM™ Home Cinema Screen

To put your SAGEM AXIUM™ Home Cinema Screen into standby mode, press the ⏻ standby button on the remote control or the standby button on the righthand side door.

You can cancel standby mode within 5 seconds (indicator light flashes green) by pressing the ⏻ standby button again on the remote control or the righthand side door. After this time, standby mode cannot be stopped.

During the standby phase (approximately 1 minute), the indicator light on the front panel starts flashing orange. The state of real standby is only effective when this indicator light changes to red.

⚠ **In order to prolong the lamp's working life, do not interrupt the standby procedure, NEVER switch off your appliance using the mains switch or disconnect the wall plug unless the front panel LED is red.**

If you want to switch on your television set again, wait at least 10 seconds before pressing the switch on the left.

3. First Rapid Installation

Your SAGEM AXIUM™ Home Cinema Screen is not preset to receive the wireless channels for your region. This rapid installation is automatically offered when you set up the appliance. It allows you to configure the basic elements of your product (menu languages, country, and channel reception).

You can return to these settings at any time (see chapter 6).

Select the menu language using the buttons ▼ and ▲, validate using the **OK** key.

Select the country where you are by using the buttons ▼ and ▲, then validate with the **OK** button.

```
OSD LANGUAGE
ENGLISH
ELLLINIKA
FRANÇAIS
DEUTSCH
ESPANOL
ITALIANO
NEDERLANDS
PORTUGUES

COUNTRY
UK
PORTUGAL
GREECE
FRANCE
GERMANY
AUSTRIA
ITALY
SPAIN
```

Country	Colour	System	Stereo
France	SECAM	L	Nicam L
Germany	PAL	B, G	Two B/G carriers
Austria	PAL	B, G	Two B/G carriers
Italy	PAL	B, G	Two B/G carriers
Spain	PAL	B, G	Nicam B/G
Netherlands	PAL	B, G	Nicam B/G
Denmark	PAL	B, G	Two B/G carriers
Sweden	PAL	B, G	Nicam B/G
Norway	PAL	B, G	Nicam B/G
Finland	PAL	B, G	Nicam B/G
Belgium	PAL	B, H	Nicam B/G
Switzerland	PAL	B, G	Two B/G carriers
UK	PAL	I	Nicam I
Portugal	PAL	B, G	
Greece	PAL	B, G	
Poland	PAL, SECAM	D, K	
Russia	SECAM	D, K	
Czech Republic	SECAM	D, K	

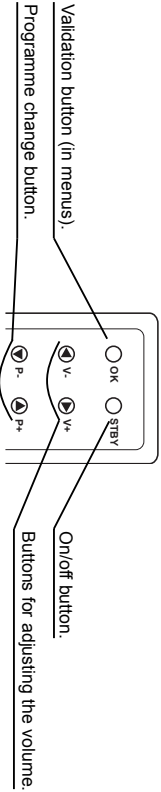(*) For Australia, choose the Germany configuration.

After accepting with the **OK** button, the automatic search begins and the channels are identified and saved automatically. The most current channels are automatically put in order according to the country that you chose.

You can also interrupt the search at any time by pressing the **MENU** button.

```
AUTO TUNING
Searching
Frequency : 237
Channels found : 1
MENU key to stop searching
```
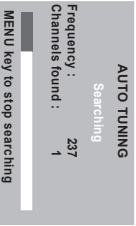
4. Description of the buttons and indicator lights

4.1. Buttons located within the righthand side door

Validation button (in menus).

Programme change button.

On/off button.
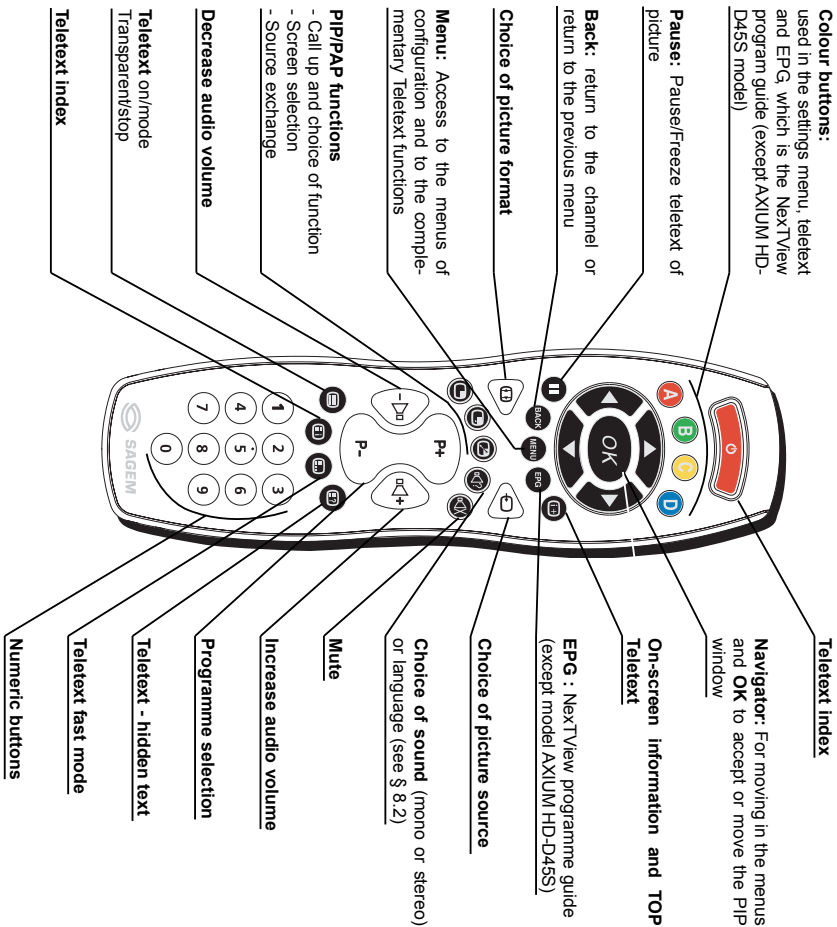
Buttons for adjusting the volume.

When the menu is called up, the buttons ▼, ▲, ◄ and ► are used for moving within the screens.

4.2. Front panel indicator lights and remote control receiver

Internal temperature light:
Red flashing or fixed: Excessive internal temperature. Put you SAGEM AXIUM™ Home Cinema Screen into standby and wait for the indicator light to go out.

Lamp indicator:
Red flashing for 10s then going out: The lamp is worn out; prepare a replacement.
Red flashing for 10s then remaining fixed (the appliance going into standby): Change the lamp (see chapter 14).

On/standby light:
Red: standby
Flashing red: switch-on and standby phases
Flashing green: Phase during which the order to go into standby can be cancelled. (see § 2.5)
Light out: Functioning.
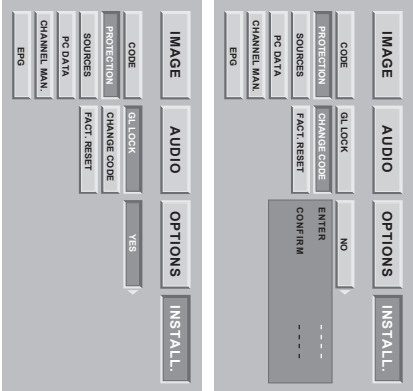
Infra-red receiver:
Reception of the remote control

Remote control receiver: the infra-red receiver is located in the bottom/righthand corner of your SAGEM AXIUM™ Home Cinema Screen. All you have to do is aim at this spot with the remote control.

ENGLISH

5. Remote Control

Colour buttons: used in the settings menu, teletext and EPG, which is the NexTView program guide (except AXIUM HD-D45S model)

Back: return to the channel or return to the previous menu

Pause: Pause/Freeze teletext of picture

Choice of picture format

Menu: Access to the menus of configuration and to the complementary Teletext functions

Teletext index

Decrease audio volume

Teletext on/mode Transparent/stop

Teletext index

PIP/PAP functions
- Call up and choice of function
- Screen selection
- Source exchange

Teletext index

Navigator: For moving in the menus and **OK** to accept or move the PIP window

On-screen information and TOP Teletext

EPG : NexTView programme guide (except model AXIUM HD-D45S)

Choice of sound (mono or stereo) or language (see § 8.2)

Choice of picture source

Mute

Increase audio volume

Programme selection

Teletext - hidden text

Teletext fast mode

Numeric buttons

---

6. Personalised settings

6.1. Changing the security code

All installation screens can be protected by a personal code. The default code is **0000**. This does not lock the installation screens.

Press the **MENU** button, then choose 'INSTALL' with the button ▼ then validate with the **OK** button.

Choose 'PROTECTION then 'CHANGE CODE', validate with the **OK** button.

Enter your new code then confirm the same code in the confirmation screen, accepting each time with the **OK** button. You can cancel change of code at any time using the **MENU** button.

It is possible to extend protection to the whole television set. To do this, select 'GL LOCK' and choose 'YES' with the button ▼. You will then be asked for your personal code each time you switch on your SAGEM AXIUM™ Home Cinema Screen.

NB: To lock these screens, enter a different code than 0000.
Always remember your new code.
Enter 0000 to unlock.

NB: AXIUM HD-D45S model has no 'EPG' function.

IMAGE | AUDIO | OPTIONS | INSTALL
CODE
PROTECTION
SOURCES
PC DATA
CHANNEL MAN.
EPG

GL LOCK | NO / — — — —
CHANGE CODE
FACT RESET

ENTER / CONFIRM

6.2. Return to initial configuration
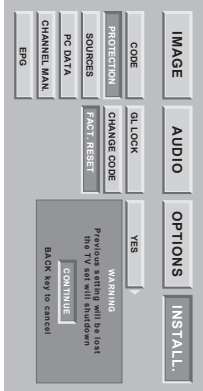
If necessary, you can automatically configure your Sagem Axium Home Cinema Screen to the original default factory settings. In this instance, all your personal settings will be lost (list of channels, country, languages….).

Press the **MENU** button, then choose 'INSTALL' using the button ▼ and validate with **OK** button.

Enter your personal code then validate using the **OK** button (no code is requested for the initial **0000** code).

Select 'FACT. RESET and validate with the **OK** button.

A confirmation screen will invite you to continue by pressing the **OK** button or cancel with the **BACK** button.

NB: AXIUM HD-D45S model has no 'EPG' function.

IMAGE | AUDIO | OPTIONS | INSTALL
CODE
PROTECTION
SOURCES
PC DATA
CHANNEL MAN.
EPG

GL LOCK
CHANGE CODE
FACT. RESET | YES

WARNING
Previous setting will be lost
the TV set will shutdown
CONTINUE
BACK: key to cancel

6.3. Searching TV programmes

The programmes are installed at the initial set-up. Nevertheless, the following functions are useful if you relocate to another region.

NB: AXIUM HD-D45S model has no 'EPG' function.

6.3.1. Choice of country
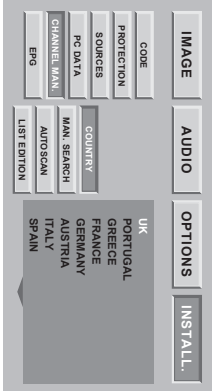
The choice of country allows the television set to automatically classify the channels during the automatic search.
Press the **MENU** key.
Select the 'INSTALL' chapter using **OK** button.
Select the 'CHANNEL MAN.' chapter using **OK** button.
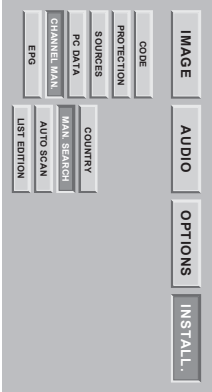Select the 'COUNTRY' chapter using **OK** button.

Select the chosen country using buttons ▼ and ▲.

Your selection will be saved when you exit this menu using the **BACK** button.

NB: AXIUM HD-D45S model has no 'EPG' function.

IMAGE | AUDIO | OPTIONS | INSTALL
CODE
PROTECTION
SOURCES
PC DATA
CHANNEL MAN.
EPG

MAN. SEARCH
AUTOSCAN
COUNTRY
LIST EDITION

UK
PORTUGAL
GREECE
FRANCE
GERMANY
AUSTRIA
ITALY
SPAIN

6.3.2. Manual installation

Select 'MANUAL', then validate using **OK** button. A search screen is then displayed allowing you to check the programme found.

Television programmes are searched and saved channel by channel.

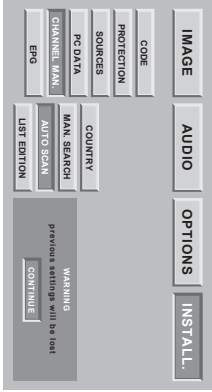Select 'CHANNEL MAN.' and start the search using ▲ or ▼.

When a picture is displayed on the screen,

• **You can decide to save your channel selection:**
Go to the 'PROGR. NUMBER' No line and enter the position of the desired programme using **0** to **9** buttons.
Move the cursor to 'MEMO' and validate using **OK** button.

• **You can try to obtain a better quality picture:**
Go to the 'FINE TUNING' line and adjust the cursor using the buttons ▲ and ▼.
Move the cursor to 'MEMO' and validate using **OK** button.

• **You can decide not to save this channel selection:**
In this instance, restart the search.

Restart this manual procedure for all the programmes you wish to memorise.

Press on the **MENU** button to exit.

MANUAL SEARCH

FREQUENCY	
PROGR. NUMBER	00
FINE TUNING	
SEARCH	
	MEMO

MENU key to stop searching

NB: AXIUM HD-D45S model has no 'EPG' function.

6.3.3. Automatic installation

IMAGE AUDIO OPTIONS **INSTALL**

EPG / CHANNEL MAN / PC DATA / SOURCES / PROTECTION / CODE

MAN. SEARCH / AUTO SCAN / COUNTRY / LIST EDITION

WARNING
previous settings will be lost
CONTINUE

Select 'AUTO SCAN' and validate using **OK** button.

Your previous search will be erased and replaced by the new one, confirm by pressing **OK** button.

All channels are searched and saved automatically.

If the broadcast signal is recognised by the transmission of a teletext page, the channels will be automatically named and classified.

You can decide to stop the search at any point in time, by using the **MENU** button.

NB: AXIUM HD-D45S model has no 'EPG' function.

6.3.4. Modifying the programme list

IMAGE AUDIO OPTIONS **INSTALL**

EPG / CHANNEL MAN / PC DATA / SOURCES / PROTECTION / CODE

COUNTRY / MAN. SEARCH / AUTO SCAN / LIST EDITION
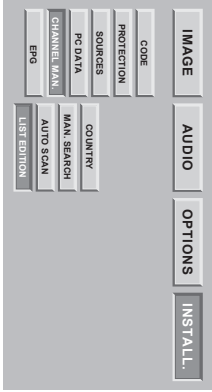
You can modify the programme list that is a result of your search at any time.

Press the **MENU** button.

Select the 'INSTALL' menu then 'CHANNEL MAN' and finally 'LIST EDITION' with the **OK** button.

NB: AXIUM HD-D45S model has no 'EPG' function.

LIST EDITION

PROG.	FREQ.	NAME	N.R.
1	479,50	TF1	0
> 2	527,25	F2	1
3	599,25	F3	2
4	671,25	C+	0
5	735,25	F5	3

DELETE ⬍ MOVE NAME ⊙ VIEW

• **Change the programme name**
Go to the line of the programme name to be modified and press the **yellow** button to accept it.
Enter the first characters. Move through the characters using the buttons ▼ or ▲.
Move forward by one character with the cursor with the button ▶ then enter the second. Continue in the same way for the other characters (maximum of 6 characters). Finally, accept with the **yellow** button.

• **Apply noise reduction filter to a programme**
To get the best out of your SAGEM AXIUM™ Home Cinema Screen, a noise reduction filter can be applied to the channels if the quality of reception is poor.
Go to the line of the programme name to be modified and press the **blue** button. Each pressure on the **blue** button applies the next filter. Apply a weak '1', medium '2', or strong '3' filter according to your reception. Select '0' if no filter is necessary.

*NB: You can display the selected screen at any time by pressing the OK button.*

From this screen, you can:

• **Delete a programme**
Go to the line of the programme to be deleted and press the **red** button.

• **Move a programme**
Go to the line of the programme to be moved and press the **green** button to select it (a '>' appears to the left of the programme). Move it with buttons ▼ or ▲, then accept its new position with the **green** button.

Press the **MENU** button to exit.

6.4. Selecting the MENU language

IMAGE AUDIO **OPTIONS** INSTALL

SLEEP TIMER .... OFF
HEADPHONES .... MAIN
LOUDSPEAKER .... STEREO
HIFI VOLUME .... FIXED
ECO MODE .... Hi 1
OSD LANGUAGE .... ENGLISH
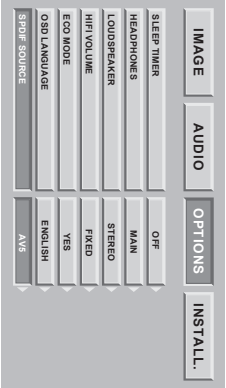SPDIF SOURCE .... OFF
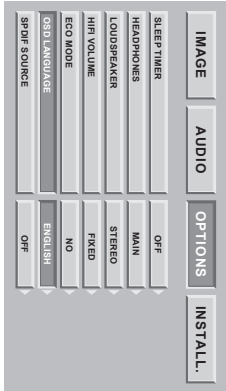
You can select the menu and information display language.

Press the **MENU** button.

Select the 'OPTIONS' chapter using the **OK** button.
Select the 'OSD LANGUAGE' chapter using the **OK** button.
Select the chosen language using the buttons ▲ and ▼.

Press the **MENU** button to exit or the **BACK** button to return to the previous screen.

6.5. Setting for the economy mode
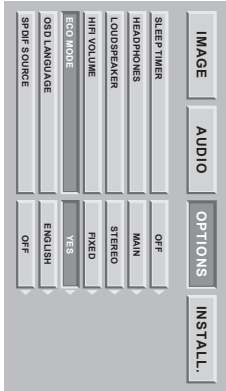
You can decrease the power of the lamp to increase its working life and reduce its power consumption. This mode is particularly recommended if you watch your SAGEM AXIUM™ Home Cinema Screen in a dark room.

Press the **MENU** button.

Select 'OPTIONS' with the **OK** button.

Go to 'ECO MODE' and choose the mode with buttons ▲ and ▼.

Press the **MENU** button to exit.

ENGLISH

6.6. Setting for the SPDIF output

Your SAGEM AXIUM™ Home Cinema Screen has an SPDIF digital audio input and output giving you:

1. Excellent quality sound thanks to the absence of analogue conversion.

2. Perfect synchronization of the Dolby Digital or DTS digital sound of your home cinema system with the picture.

The digital output is always available, whatever the source displayed (aerial-type input, péritels, AV, AV4, AV5, PC1 IN, PC2 IN). It can be connected directly to your home cinema amplifier or to an external analogue-digital converter.

The digital input can be associated with one of your external sources (except aerial input). Use the OPTIONS menu to choose which SPDIF input video source is to be associated. However, make sure that you also connect your source's analogue audio if you want to have PIP/PAP sound mode in the headphones.

Press the **MENU** button.
Select 'OPTIONS' with the **OK** button.
Go to 'SPDIF SOURCE' and choose the video source with the buttons ▲ and ▼.
Press the **MENU** button to exit.

The digital audio system of your SAGEM AXIUM™ Home Cinema Screen functions equally well with SPDIF flow of PCM type (in which case the audio is both resynchronized with the picture on the SPDIF output and restored to the speakers and the Hifi output), or with Dolby Digital or DTS type (in which case the speaker and Hifi outputs are cut, and the digital flow is restored and resynchronized on the SPDIF output to be decoded by your external Home Cinema 5.1 amplifier).

Dolby DIGITAL and DTS cannot be restored by your SAGEM AXIUM™ Home Cinema Screen. Therefore, these need an external amplifier compatible with these two formats.

Caution! The in/out SPDIF digital audio system of your SAGEM AXIUM™ Home Cinema Screen functions at 32, 44.1 and 48kHz. Make sure that your source is not configured to different frequencies.

6.7. Adjusting the headphone output
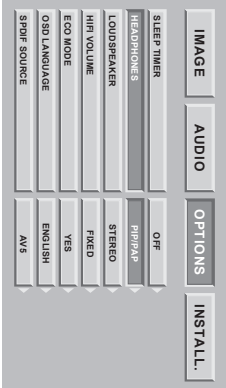
You can choose the audio source of the headphone output.
Press the **MENU** button.

Select 'OPTIONS' with the **OK** button.

Go to 'HEADPHONES' and choose the video source with the buttons ▲ and ▼.

'MAIN' will restore the sound of the full screen picture in PIP mode or the right-hand picture in PAP mode to the headphones.

'PIP/PAP' will restore the sound of the inset picture in PIP mode or the left-hand picture in PAP mode to the headphones.
NB: The PIP and PAP functions are described in § 8.7.

Press the **MENU** button to exit.

6.8. Setting the speaker mode
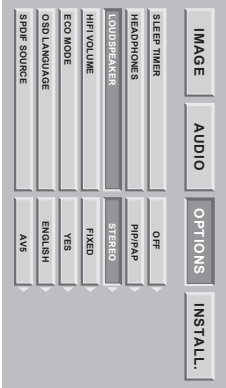
In the menu MODE HP INT., you can choose between mono, stereo or OFF.

• AXIUM HD-D45S:
The OFF mode disables the internal speakers and allows you to enable and connect any external speakers not supplied. (See paragraph 16.2 or paragraph 16.2)

• AXIUM HD-D56B:
To use the internal speakers: Select mono or stereo in the MODE HP INT. option and select YES for the WOOFER option (see page 16). If you do this, you should not connect external speakers to the television set.

11

• Continuation of page 11, AXIUM HD-D56B:
To use external speakers not supplied, select mono or stereo in the MODE HP INT. option and select NO for the WOOFER option (see page 16). See paragraph 17.2 for connecting external speakers. To use your personal audio system (hi-fi system or Home Cinema audio amplifier): Select OFF in the MODE HP INT. option. If you do this, the internal and external speakers are disabled.

• Other models: To use your personal audio system (hi-fi system or Home Cinema audio amplifier): Select OFF in the MODE HP INT. option. If you do this, the internal and external speakers are disabled.

Press the **MENU** button.
Select 'OPTIONS' with the **OK** button.
Go to 'LOUDSPEAKER' and choose the mode with the buttons ▲ and ▼.
Press the **MENU** button to exit.

6.9. Adjusting the Hi-Fi output
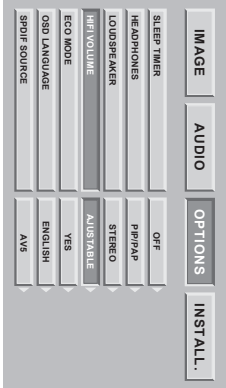
You can choose between two ways of adjusting the volume of this output:

'FIXED': The volume must be adjusted on the audio system connected to the Hi-Fi output.

'ADJUSTABLE': The volume of the audio system connected to the Hi-Fi output can be adjusted from the remote control using the buttons ◁+ and ◁-.
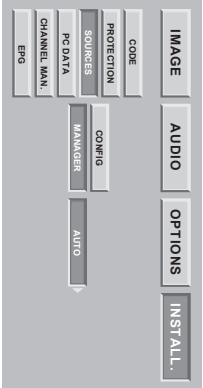
Press the **MENU** button.

Select 'OPTIONS' with the **OK** button.

Go to 'HI-FI VOLUME' and choose the mode with the buttons ▲ and ▼.

Press the **MENU** button to exit.

6.10. Exit standby mode tuning

This setting allows you to choose active mode or go to standby mode.

• Press the **MENU** button then go into 'INSTALL'.
• Select 'SOURCES' then MANAGER

'MANUAL': Exit from standby and go to standby mode by pressing the standby button ⏻ on the remote control or righthand side door.

'AUTO': Exit from standby or go to automatic standby controlled by the equipment plugged into 'SCART' connectors on the rear panel. In this mode, new sources detected by the television set will be automatically displayed.
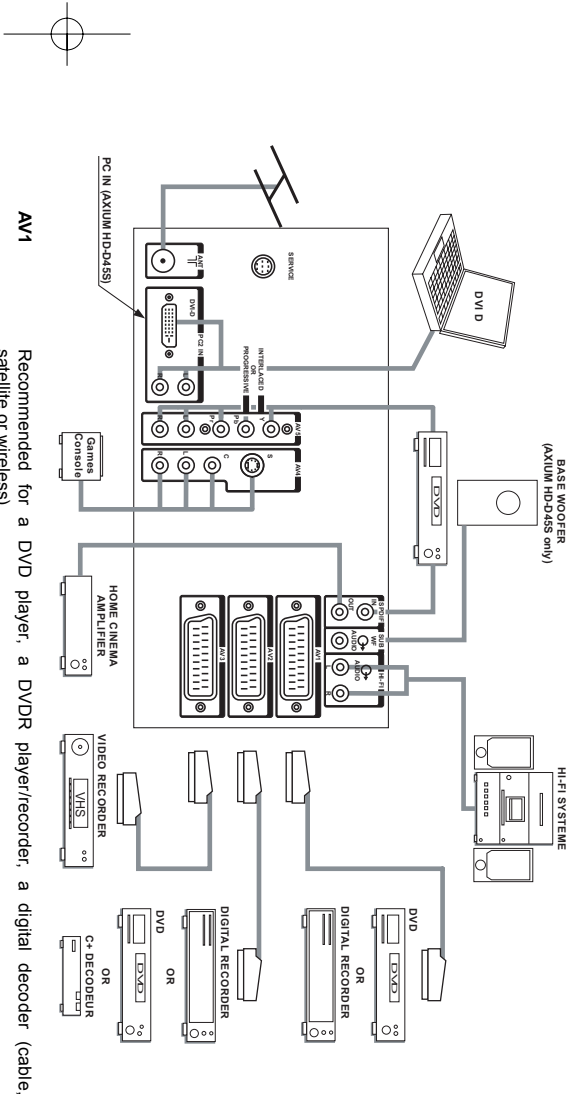
Press the **MENU** button to exit.

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7. Connecting equipment and configurations

7.1. Connection advice

Your SAGEM AXIUM™ Home Cinema Screen offers you a large selection of connectors to attach the equipment of your choice. You are advised to carry out the connections when the appliances are switched off.

REAR PANEL

AV1 — Recommended for a DVD player, a DVDR player/recorder, a digital decoder (cable, satellite or wireless).

AV2 — Recommended for a DVD player, a DVDR player/recorder, a digital decoder (cable, satellite or wireless).

AV3 — Recommended for an analogue decoder, or a digital decoder (cable, satellite or wireless).

AV4 — Recommended for a VHS, SVHS videocassette recorder, a DVD player or digital decoder.

AV5 — Recommended for a games console.

Hifi — Recommended for a DVD player provided with Y Pb Pr outputs. This type of connection automatically detects 'interlaced' or 'progressive' mode.

PC2 IN — This output can be connected to any audio system equipped with its own speakers such as a high-fidelity system. For better comfort of listening to your audio system, cut the sound of your SAGEM AXIUM™ Home Cinema Screen (see § 6.8). The DLP™ technology causes a slight delay in picture processing, so connect your amplifier to these sockets and not to those of the source (see § 6.9).

(PC IN on AXIUM HD-D45S model only): Recommended for connecting a PC or a DVD player equipped with 'DVI D' socket. Only use a 'DVI D' cable (graphics card).

SPDIF IN — The DLP™ technology causes a slight delay in picture processing. To synchronise the sound with your SAGEM AXIUM™ Home Cinema Screen, connect the digital audio output of your DVD player to this output and recover the synchronized signal on SPDIF OUT.

SPDIF OUT — This output allows you to recover the signal sent to SPDIF IN after digital synchronisation with the picture. Connect this output to the digital audio input of your Home Cinema audio amplifier.

SUB WF — (AXIUM HD-D45S only): This output allows you to connect an external active woofer. Its volume follows that of the speakers. However, it is possible to vary its level independently of the speakers: Press the **MENU** button, select **SOUND** then **ADVANCED** then **WOOFER VOLUME**.

SERVICE — Reserved for servicing personnel.

RIGHTHAND SIDE DOOR
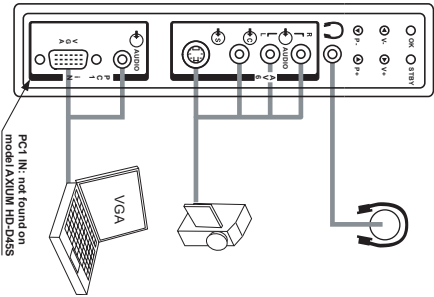
HEADPHONES — recommended for headphones. Adjusting the headphones is covered in § 6.7.

AV6 — recommended when connecting a camcorder in VHS, S-VHS, 8 mm, Hi-8 or digital DVC format.

PC1 IN — (except model AXIUM HD-D45S) Recommended for connecting a PC computer equipped with a VGA output. socket.A 3.5 mm audio jack socket allows you to connect sound.

7.2. Source configuration
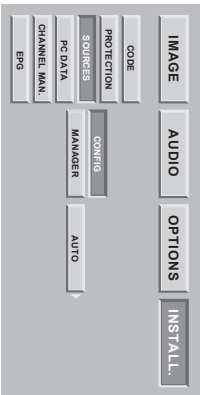
Press the **MENU** key then select 'INSTALL' using the button ▼ and validate using **OK**.

If your code is not **0000**, this screen is protected and you must enter your code.

Select 'SOURCES'; then 'CONFIG' and accept with **OK**.

Choose the connector to be configured (▼ / ▲).

Note: AXIUM HD-D45S model/ has no 'EPG' function.

This option allows you to select the sources used but only displays them when you select sources in daily use.

For each connector, you can:

• **Validate connected equipment**
Press the **red** button several times until 'YES' (or 'NO' for an unused connector) is displayed. Select 'C+' if you have connected your C+ decoder to SCART 2. In this instance, enter the C+ programme number at once.

• **Choosing a pre-programmed name**
Press the **green** button several times (DVD, DVDR, C+, DEC, MAG, GAMES).

• **Choosing a personalised name**
Press the **yellow** button to move to edit mode. Scroll through the characters using the buttons ▼ ▲. Go to the next character using ▶. Finally, press the **yellow** button to validate.

• **Choosing a noise reducer**
You can apply a noise reducer to some sources such as a video player by scrolling through them by pressing the **blue** button more than once (none '0', weak '1', medium '2', strong '3').

NB:
• You can display the selected channel at any time by pressing the **OK** button.
• *AXIUM HD-D45S model does not have a PC1 input.*
• *PC2 is called PC on the screen of the model AXIUM HD-D45S.*

Press the **MENU** button to exit.

INPUT	SOURCE	N°	NAME	N.R.
SCART 1	YES			
SCART 2	YES	--		
SCART 3	YES			0
AV4	YES		-----	0
AV5	YES		-----	0
AV6	YES		-----	0
PC 1	YES		-----	0
PC 2	YES		-----	0
SOURCE	CHOOSE NAME	NAME	N.R.	VIEW

ENGLISH

7.3. Configuration of computer sources

If a personal computer is used (PC or MAC), switch on your SAGEM AXIUM™ Home Cinema Screen before the computer.

NB: AXIUM HD-D45S model has no 'EPG' function.

Press the **MENU** button, then choose 'INSTALL' using the button ▼ and validate with **OK**.

Choose 'PC DATA' then validate with **OK**.

With this option, you can adjust the source from your PC into VGA (PC1) (except model AXIUM HD-D45S).

Horizontal position: press ▲ to move the picture to the left and ▼ to move it to the right.

Vertical position: Press ▼ or ▲ to move the picture to the top or bottom.

Frequency: This allows you to adjust the frequency to that of your computer's graphics card. When a flashing vertical bar appears, use this function to adjust the frequency.

Phase: This allows finer synchronisation with your computer's graphics card. Use this function when an unstable or flashing picture occurs.

Automatic mode: This allows you to adjust everything automatically or not.

Resolutions accepted (DVI-D and VGA entries): To ensure that the projection display is operating correctly with your computer make sure that you configure the display mode of your graphics card to a resolution lower than 1024 x 768.

Resolution (px)	Frequency (Hz)
640 x 480	60
640 x 480	66
640 x 480	72
640 x 480	75
640 x 480	85
800 x 600	60
800 x 600	72
800 x 600	75
800 x 600	85
1024 x 768	60
1024 x 768	70
1024 x 768	75
1152 x 864	60
1280 x 720	60

NB: Optimum stability is achieved with a frequency of 60 Hz (consult the documentation for your PC to configure it).

8. Day-to-day use

8.1. Picture adjustment

Menu tabs: IMAGE | AUDIO | OPTIONS | INSTALL
USER | STANDARD | CINEMA | STUDIO | SPORT
CONTRAST — 50
BRIGHTNESS — 50
COLOR — 0
SHARPNESS — 0
TINT — 50
COLOR TEMP: NEUTRAL

PERSONAL PICTURE TUNING

You can set and save your own parameters using the 'USER' mode.

CONTRAST, BRIGHTNESS, COLOUR, SHARPNESS, TINT can be adjusted according to your preferences using the buttons ▲ and ▼.

The tone adjustment only applies to an NTSC video source.

The colour balance adjustment allows you to set the main picture colour.

Adjust using ▲ or ▼.

PRESET PICTURE SETTINGS

You can choose your picture preference from the settings offered using the buttons ▲ and ▼ STANDARD CINEMA STUDIO SPORT. Select the most suitable one for the programme you are viewing and validate using the **OK** button.

Press the **MENU** button to exit and the **BACK** button to return to the previous screen.
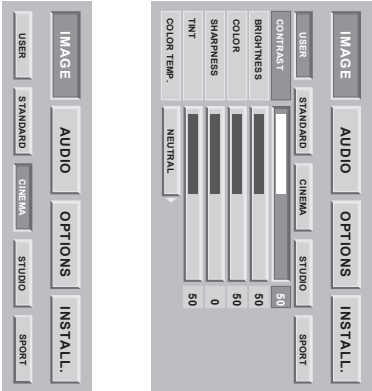
8.2. Sound adjustment

ADJUSTMENTS POSSIBLE BY REMOTE CONTROL.

Volume: Press ◁+ or ◁- to adjust the volume.

Mute: Press ◁ to mute or to switch on the sound.

Bilingual broadcast or sound selection: Press ◁ to choose between MONO or STEREO sound if the channel transmits sound in NICAM stereo mode. Choose between DUAL A and DUAL B if there is a bilingual broadcast. This adjustment is saved per channel.

NB: AXIUM HD-D45S model has no 'DOLBY VIRTUAL' function.

PERSONAL SOUND SETTINGS

You can set and save your own audio balance using the 'PERSO' mode.

Press the **MENU** button then go to 'AUDIO'.
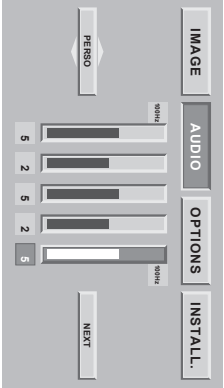
Choose 'PERSO' with buttons ▼ and ▲.

Move through the various frequency bands with the buttons ▲ and ▼ then adjust the desired level using the buttons ▼ and ▲. The level displayed under the bar is in audio decibels (dBA).
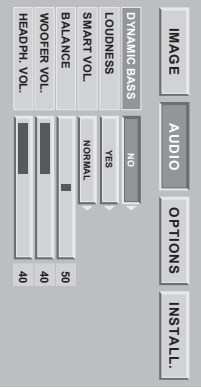
PRESET AUDIO BALANCE

You can choose a sound balance from among the preset parameters using the buttons ▼ and ▲ STANDARD, VOICE, MUSIC or FILM.

Choose the setting that best suits the programme you are watching and validate with the **OK** button.

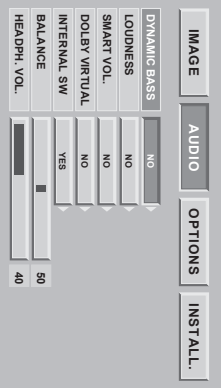Model AXIUM HD-D45S / Other models menu tabs: IMAGE | AUDIO | OPTIONS | INSTALL
DYNAMIC BASS — NO
LOUDNESS — NO
SMART VOL — NO
DOLBY VIRTUAL — NO
INTERNAL SW — NO
BALANCE — 0
HEADPH. VOL — 40
WOOFER VOL — 40

ADVANCED SOUND SETTINGS

To adjust the other audio parameters, go to 'NEXT'.

DYNAMIC BASS LOUDNESS
Allows you to accentuate the low frequencies or not.

SMART VOL
Is an automatic equalization system designed to reinforce the bass and treble at low volume.
Allows you to adjust the sound control mode. In NORMAL mode, your SAGEM AXIUM™ Home Cinema Screen will regulate the audio level to avoid too great a difference in volume between two sources. In NIGHT mode this attenuation is stronger and reacts more quickly to the variations of volume, particularly if there is a violent explosion in a film sequence for example.

DOLBY VIRTUAL INTERNAL SW
Allows you to enable Virtual Dolby Surround or not. The internal speakers (AXIUM HD-D56B) or the woofer (other models) can be ON or OFF.
This option is not found on AXIUM HD-D45S model.

BALANCE
Move the cursor with the buttons ◀ and ▶ to balance sound between the left and right speakers.

HEADPHONES VOL
Allows you to adjust the headphones volume output on the righthand side door.

WOOFER VOL
Allows you to adjust the sound volume of output 'SUB WF' for an external active woofer (AXIUM HD-D45S only).

NB: Virtual Dolby Surround is a technology coming from Dolby Laboratories. It creates a virtual background soundscape through two speakers using the Dolby Pro Logic. Virtual Dolby Surround takes audio information from all the original channels and gives the listener the sensation of being surrounded by additional speakers.

Press the **MENU** button to exit and the **BACK** button to return to the previous screen.

DOLBY VIRTUAL SURROUND

8.3. Sleep timer

This option allows you to programme a period of time after which the television set will go to standby automatically.

Press the **MENU** button then choose 'OPTIONS' using the button ▼ and validate using **OK**.
Select 'SLEEP TIMER' then choose the duration with the buttons ◄ and ► .

You can set the sleep time at 15 min intervals up to a maximum of 180 min.
One minute before entering standby mode, the last minute counter will appear on the screen. This screen allows you to cancel the sleep timer, if you want to.
You can always stop the SAGEM AXIUM™ Home Cinema Screen before the programmed stop time or reprogramme the stop time.
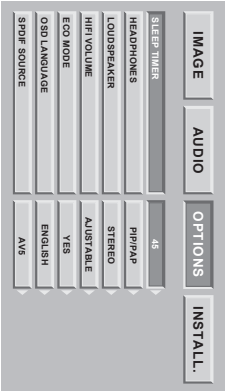
8.4. Choice of sources

You can select sources in two different ways:

- With the **P+/ P-** buttons on the righthand side door. You first navigate among all the external sources SCART 1, SCART 2, SCART 3, AV4, AV5, AV6, PC1 (except AXIUM HD-D4SS model), PC2 (PC on AXIUM HD-D4SS).

NB: A channel is valid if it has been found during the automatic search or if it has been saved during the manual search.

- By using the direct access button ⚏ on the remote control.
  Select the chosen source by pressing ⚏ again until the correct source is obtained.

NB: If you previously configured and named your equipment inputs in paragraph 7.2, you will only only be offered the sources connected and configured.

To return to the channels, press the **BACK** button, on a **digital** button or on a **P+/P-** button.
If you connect a video source, the television set will automatically display this source.

8.5. Choice of format

A simple access to this choice is by using the direct access button ⚏ .

This function allows you to display the picture at the maximum size, including wide screen pictures.

Press the button ⚏ of remote control.

Nb: At first press, the info banner displays the current status without any change of format.

4:3 FORMAT
Displays a 4:3 picture in its original format.

ENLARGED FORMAT
This format allows you to watch 4:3 pictures at the maximum size by horizontally stretching the left and right edges of the picture. (The central part is not deformed).

14:9 FORMAT
This format allows you to watch programmes in 14:9 format. Manually, this format is recommended for films in 1.66 cinema format.

FORMAT 16:9
This format allows you to automatically watch programmes in 16:9 format using the 16/9 signals coming to the SCART.

CINEMA FORMAT
This format allows you to watch films in 1.85 (ACADEMY FLAT) format, broadcast in 4:3 in maximum screen format without distortion with black bands at the top and bottom.
It allows you to watch films in 2.0, and 2.35 format.

SUBTITLE FORMAT
This format allows you to watch films in 1:85 (ACADEMY FLAT) format without picture loss and without distortion by moving the picture to the top to enable any subtitles to be read.

SCOPE FORMAT
This format allows you to watch films in 2.35 (PANAVISION) format, broadcast in 4:3 in maximum screen format without distortion, at maximum height but with picture loss at the right and left edges.

NATIVE FORMAT
This format allows you to display the picture as it is without any resizing. Only on sources PC1 (AXIUM HD-D45 only) and PC2 (PC on AXIUM HD-D4SS).

8.6. Programme information

Press the button ⚏ at any time to obtain information on the TV channel.

When you are watching an external video source, the name of the source will be displayed.

8.7. Double picture mode selection

Switching on double picture mode

Choose the video insert mode (PIP) or two videos side-by-side (PAP) by pressing the button ⚏ more than once.

When one of the two Modes - (PIP or PAP) is in use, you can:

Invert the sources by pressing the button ⚏ .

Change source on the screen by pressing the button ⚏ to name the source to be changed; then

- P+ or P- to change the wireless channel,
- ⚏ to change the source.

Change the format on the screen by pressing the button ⚏ to name the source to be changed; then

- ⚏ to change the format.

Warning:
(All except AXIUM HD-D4SS models): You cannot have sources PC1, PC2 or AV5 simultaneously in PIP mode (inset picture) and MAIN mode (full screen). Same for PAP mode (picture on the left half of the screen).
AXIUM HD-D4SS: The above warning only concerns antenna, PC or AV5 sources

8.8. Choosing a TV programme

Use the **0/9** buttons to choose your channel. For a two-digit number, enter the second within 2 seconds.

Use the **BACK** button to return to the channel previously watched. **BACK** also allows you to return from an external video source to the TV channels.

The buttons ◄ and ► change the position of the PIP window if the PIP mode is activated. You can navigate through 4 possible positions in the order top-left, top-right, bottom-left, bottom-right.

8.9. Picture hold

Use the pause button ‖ to freeze the picture or reactivate it.

ENGLISH

9. Teletext

Teletext functions vary according to television companies and are only available if the selected channel transmits teletext.

- **Teletext display**

  Press the button ▤ to switch on teletext without video.

  Pressing the button again allows you to view teletext imposed on the current video.

  You can exit from Teletext mode by pressing again.

  If there is no teletext on the channel you are watching, a message will inform you of this.

- **Selecting the index page**

  Teletext pages include an introduction page (usually page 100) telling you how to use the service.

  The button ▤ allows you to select this introduction page directly.

- **LIST or FASTEXT mode**

  There are two teletext modes:

  - LIST mode: in this mode, four pages numbers appear at the bottom of the screen, each in a different colour. Each of these numbers can be changed and saved in the memory.

  - FASTEXT mode: in this mode, four subjects appear at the bottom of the screen, each in a different colour. To obtain more information on one of these subjects press the corresponding coloured button. This function allows you to obtain information on the displayed subjects quickly.

  The required mode is selected by pressing the button ▤ .

- **Selecting a page**

  Enter the number of the required page using the **0-9** buttons (There are no pages starting with a 0 or 9.). The page counter at the top of the screen searches for the page or the page appears immediately, if the page number has already been saved.

  You can quickly scroll through teletext pages by using the P+ P- or ▼ ▲ buttons (by skipping non-existent pages).

  To save another page in this mode, press the relevant coloured button and enter the page number. When in FASTEXT mode, you can select a chosen subject using the colour buttons corresponding to the options at the bottom of the screen.

- **Displaying hidden information**

  Press the button ▤ to call up and delete hidden information, such as puzzle solutions and replies to questions.

- **Holding a page**

  Press the button ▌▌ to hold a text page, whilst looking at information that is on several pages. Press again to return to automatic update.

- **Expand**

  Press the **MENU** button then the **green** button. Pressing it more than once allows you to display the top half, the bottom half and then return to normal format.

- **Navigation within sub-pages**

  When the selected pages contain one or more sub-pages, a help line listing the sub-pages appears at the bottom of the screen.

  Use the buttons ▲ ▼ to choose the next or the previous sub-page.

- **Subtitles**

  TV channels with teletext often transmit certain programmes with subtitles.

  Press the button ▤ and select the relevant subtitle page.

  The subtitle page continuously appears on the screen if the current programme is transmitted with subtitles.

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10. NexTView EPG (AXIUM HD-D45 only)

NexTView is an electronic programme guide (or EPG) for analogue television. It is a service giving information about current and future programmes. The programme information for all the channels is transmitted up to one week in advance.

The 'NexTVlink' function is not available.

10.1. Installation

To enable the EPG, enter the 'INSTAL.' menu, go to line 'EPG'. Using the arrow ▶ go on '-' (if you are using the EPG for the first time, see figure 1) or on the channel number (if you have already used the EPG, see figure 2).

In both these cases, you can enter or re-enter a channel number consisting of two digits (e.g.: 01 for the first channel, 02 for the second channel, 12 for the twelfth channel, etc.).

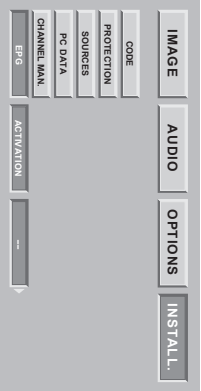To enable the EPG, you must enter a channel number.

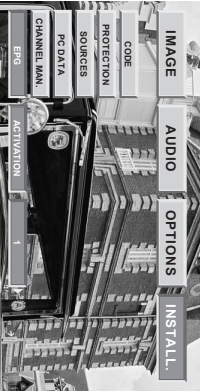Figure 1 : Example of the EPG menu accessed for the first time.

The EPG NexTView uses the signals from certain channels for transmission.

In the 'CHANNEL' menu choose the appropriate channel number (see list below).

The EPG is acquired automatically each time you exit from standby on your SAGEM AXIUM™ Home Cinema Screen.

If you use the PIP or PAP functions when changing channel within ten minutes of coming out of standby, the EPG will be cancelled.

Similarly, pressing the **EPG** button on the remote control during acquisition will cancel the current procedure and will display the last EPG in memory, which is perhaps not up to date.

List of channels transmitting NexTView EPG on September 1, 2004:

Figure 2 : Example of the EPG menu configured on the first channel.

Country	Channels transmitting NexTView EPG
France	M6 (3), Canal+ (7), TV5 (4), TSR1
Germany	RTL2 (3), Kabel1 (4-9), SF1
Austria	SF1
Italy	TSI
Belgium	VT4 (3)
Switzerland	SF1, TSR1, TSI
Turkey	TRT Family (5-6)

In brackets, is the number of days of programmes consultable in EPG. The television channels are free to transmit the signal EPG NexTView or not, therefore this list is not legally binding.

10.2. Navigation

Press the **EPG** button on the remote control to start acquisition.

NB: *If this is the first time that you start EPG, you must wait a few minutes for your television set to recover the available information about programmes.*

To obtain information about your choice of programmes, use the buttons ▼ and ▲ then accept with **OK**

You can sort the programmes according to four criteria by using the coloured buttons A, B, C and D on the remote control:

Time: **Red** button: With buttons ◄ and ► , select the time of your choice from 'Present' to 'Time T+24'

Date: **Green** button: With buttons ◄ and ► , select the date of your choice from 'Today' up to 'Day D+7'

Topic: **Yellow** button. With buttons ◄ and ► ,choose the programme type from among: All, Films, News, Variety, Leisure, Sport, Children, Science, Music, Art, Series

Channel: **Blue** button: With buttons ◄ and ► , select the channel of your choice.

To exit from the EPG, press the **EPG** button on your remote control.

11. Compatibility with High Definition Television

High Definition Television is a generic term applying to all the kinds of television signals offering resolution higher than the present standard pictures. NTSC consists of 720 points per line and 480 lines per picture. PAL consists of 720 points per line and 576 lines per picture. HDTV has a higher resolution both horizontally and vertically. Your SAGEM AXIUM™ Home Cinema Screen has been designed for high definition television and has a resolution of 1280 points per line and 720 lines per picture.

The standards:

There are numerous standards for high definition television. SAGEM AXIUM™ Home Cinema Screen is compatible with the main HDTV standards. You can view TV programs as well as high definition DVD simply by using inputs PC1 (except AXIUM HD-D4SS model), PC2 (PC on AXIUM HD-D4SS) and AV5.

Standards compatible with your SAGEM AXIUM™ Home Cinema Screen

Standards	Pixels per active line	Lines per picture	Pixels per complete line	Total number of lines per frame	Refresh rate	Sampling rate	Type of format
SMTPE 295M-1997 2	1920	1080	2376	1250	25.00	74.25	interlaced
SMPTE 274M-2003 4	1920	1080	2200	1125	30.00	74.25	interlaced
SMPTE 274M-2003 5	1920	1080	2200	1125	29.97	74.18	interlaced
SMPTE 274M-2003 6	1920	1080	2640	1125	25.00	74.25	interlaced
SMPTE 296M-2001 1	1280	720	1650	750	60.00	74.25	progressive
SMPTE 296M-2001 2	1280	720	1650	750	59.94	74.18	progressive
SMPTE 296M-2001 3	1280	720	1980	750	50.00	74.25	progressive

12. HDCP

HDCP is a protocol for encrypting digital data to protect it from being copied. Your SAGEM AXIUM™ Home Cinema Screen is equipped with a system compatible with HDCP, which allows you to view this type of information. You can connect any high definition source on the PC2 (PC on AXIUM HD-D4SS) if its type appears in the above list without worrying about the HDCP protection.

13. Diagnosing problems and Trouble Shooting

| Symptoms:	Recommended checks:
When, first, using your SAGEM AXIUM™ Home Cinema Screen, the red on/off indicator light is not illuminated.	Check that the mains cable to SAGEM AXIUM™ Home Cinema Screen is connected to the appliance and the wall socket. Also check that the switch on the left side of the appliance is pressed in.
The appliance does not light up when the **on/standby** button is pressed on the righthand side door or remote control	Check that the mains cable to SAGEM AXIUM™ Home Cinema Screen is connected to the appliance and the mains socket. Also check that the switch on the left side of the appliance is pressed in.
There is no picture.	If the menus of your SAGEM AXIUM™ Home Cinema Screen are available. Check that your video appliances are correctly connected and are active. Also check that you have selected the correct video source see § 8.4. Check that your aerial lead is correctly connected. Also check that you have saved the channels see § 6.3.4. If this is not the case, start a manual or automatic search. Also check that the switch on the left side of the appliance is pressed in. The internal temperature indicator light is flashing red. Put your television set into standby. The lamp condition indicator light is red, the lamp has gone past its standard working life and may no longer be functioning. It must be changed.
Black and white picture or picture interference.	Check that you have selected the correct video format: e.g. RGB video source from a DVD player displayed in S-video on your SAGEM AXIUM™ Home Cinema Screen : check by pressing the **picture source selection** button if the type of source selected is compatible with the source emitted. Check that the colour adjustment is not at minimum.
No sound.	Check that the volume is not set at minimum and that mute has not been activated. Check that your appliances are correctly connected to your SAGEM AXIUM™ Home Cinema Screen.
Sound weak or discordant during terrestrial reception.	Set sound to Mono. Check the 'SMART VOL' setting (see § 8.2).
Frozen picture.	Check that you have not held the picture: press the '**PICTURE** of **TELETEXT PAGE HELD**' button.
Your appliance does not start on leaving standby mode when using the button on the righthand side door or the **standby** button on your remote control.	The ON/STANDBY indicator light flashes orange for 20 secs then turns to red or still flashes orange, switch off the appliance using the switch to the left of your SAGEM AXIUM™ Home Cinema Screen. Wait 30 secs and restart is using the normal procedure.
No picture or PIP mode.	Check that you have selected sources that is active in PIP mode (see § 8.7).
The remote control is not working normally.	Change the batteries.
SAGEM AXIUM™ Home Cinema Screen makes a hissing noise when switched on.	This noise is normal when starting. It is not considered as malfunctioning.
Pixels on the screen do not light up.	In spite of the very high technological precision with which your SAGEM AXIUM™ Home Cinema Screen has been made, certain pixels may be faulty. This is not considered as malfunctioning.

**ENGLISH**

14. Changing the lamp unit

Only replace the old lamp unit with authorised model RL1280A, reference number SAGEM 251691414

The old lamp unit must be recycled (contact your recycling agency to obtain the address of the nearest depot).

1. You must only change the lamp unit, when the appliance is switched off and mains cable disconnected from the wall socket.

2. Never try to replace the lamp unit immediately after the SAGEM AXIUM™ Home Cinema Screen has been switched off. Wait at least 1 hour to allow the lamp to completely cool down.

3. Only handle the lamp unit by the holes designed for this purpose. Never touch any wires or the bulb itself.

4. Make sure that you tighten all the screws and do not leave any foreign bodies inside the appliance.

5. Never replace the fuse of a worn-out lamp.
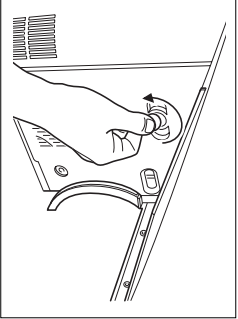
1

Remove the left-hand panel by turning the bolt a quarter turn with a coin.

Then pull it towards you.

2

Pull it towards you holding it between your thumb and forefinger.
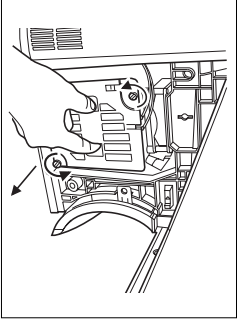
Unscrew the two thumbwheels holding the worn-out lamp unit.

The two lamp unit screws are 'captive' type, meaning that when unscrewed they remain in the lamp unit.
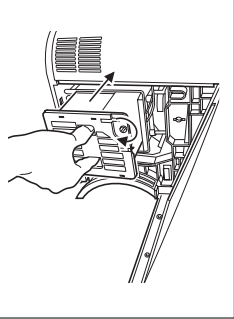
3

Insert the new lamp unit in place of the old one.

Tighten the two thumbwheels linked to the unit.
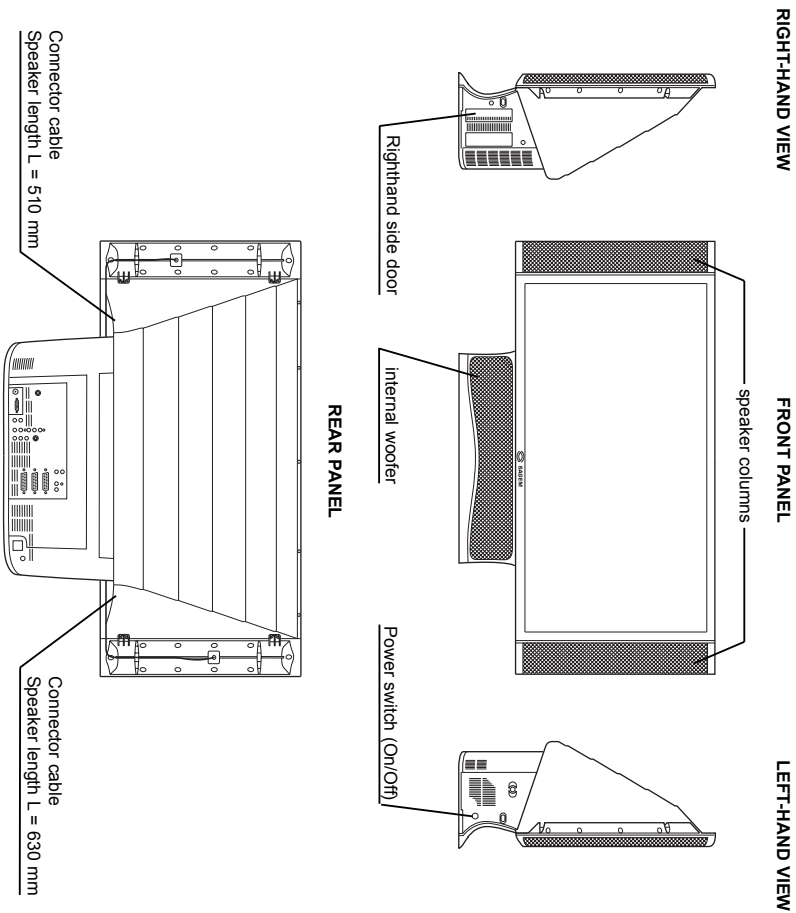
Never touch the bulb.
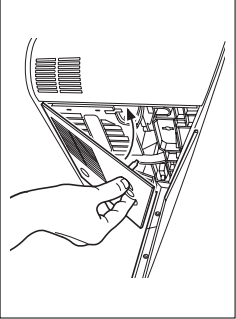
4

Replace the left-hand panel by pressing it slightly until it goes back into place.

Turn the bolt again by a quarter turn.

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15. Technical characteristics of AXIUM HD-D45 model

Video

Screen size: 114 cm
Aspect ratio: 16/9
Resolution: 1280 x 720

Reception Tuner (antenna input 'ANT')

Input frequencies: 45.5 - 862.25 MHz
Input sensitivity: 20 - 100 dBµV
Number of programmes: 99
PAL B, G, H, I, D, K, SECAM B, G, D, K, L / L'
VHF A - H (Italy)   VHF H1 - H2 (Italy)
UHF E2 -E12
UHF E21 - E69
CATV (S01 - S02)
CATV S11 - S20 (U1 - U10)
CATV S1 - S10 (M1 -M10)
CATV S21 -S41 (hyperband)
VHF R1 - R2
VHF R6 - R12
VHF R3 - R5

Audio demodulation

AM 6.5 MHz / NICAM 5.85 MHz (L L')
FM 5.5 MHz 5.74 MHz (BG)
FM 5.5 MHz / NICAM 5.85 MHz (B G)
FM 6.0 MHz / NICAM 6.55 MHz (I)
FM 6.5 MHz 6.258 MHz / NICAM 5.85 MHz (D K K')

Audio

Maximum power: 2 x 30 W (8 Ohm)
Two external speaker columns
One internal woofer (on the television set)
5-band equalizer

Righthand side door

AV6
S-Video input (Mini Din 4-pin)
Composite video input (1 x RCA)
Audio input (2 x RCA)
PC1 IN
VGA Computer input (SubD 15-pin)
Audio input (jack 3.5)
Headphones
Output (jack 3.5)
6 buttons (on/standby, P+, P-, V+, V-, OK)

Rear panel terminals

AV1 (RGB/Comp/S-video, audio)
AV2 (RGB/Comp/S-video, audio)
AV3 (RGB/Comp/S-video, audio)
AV4
S-video input (Mini-Din 4-pin)
Composite video input (1 x RCA)
Audio-in input (2 x RCA)
AV5 (interlaced or progressive)
Y, Cb, Cr in input (3 x RCA)
Audio input (2 x RCA)

HI-FI

Audio output (2 x RCA)
PC2 IN
DVI D Computer input
Audio input (2 x RCA)
SERVICE (reserved for servicing personnel)
SPDIF
Digital audio input (1 x RCA)
Digital audio output (1 x RCA)

Input signals

Video signal:
Native/Upscale: SDTV/EDTV (480i/480P) (576i/576P)
HDTV (1080i/720P)
PC signal:
Native/Upscale : VGA 640 x 480, SVGA 800 x 600,
XGA 1024 x 768

Power supply

AC 220-240 V ~50 Hz
Power consumption: 170 W
(Standby 3 W)

Dimensions and weight

TV (hxlxp): 791 x 1287 x 372 mm
Weight: 29 kg

Dimensions and weight (packaged)

TV carton (hxlxp): 858 x 1197 x 497 mm
TV carton weight: 37 kg

Accessories

Remote control TL-50
Batteries: 2 x 1.5 V (AA Type)
RF cable (for antenna input 'ANT')
Two cables for connecting the external speaker columns
One screwdriver
Eight screws for fixing the external speaker columns
User manual
European power cord with ground terminal, UK power cord
with ground terminal, Italian power cord with ground terminal.

Norms

EMC (Electromagnetic Compatibility)
EN50013:10.2001+A1.04.2003
EN5020:04.2002+A1.01.2003
EN5024:09.1998+A1:10.2001+A2.2003
EN1000-3-2:2000
EN61000-3-3:1995+A1:2001
This is a class A product. In a domestic environment this
product may cause radio interference in which case the
user may be required to take adequate measures.
Electrical safety
EN60065 : 2002
CEI60065 : 2001

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15.1. Overview of AXIUM HD-D45 model

RIGHT-HAND VIEW

Righthand side door

FRONT PANEL

speaker columns

LEFT-HAND VIEW

internal woofer

Power switch (On/Off)

REAR PANEL

Connector cable
Speaker length L = 510 mm

Connector cable
Speaker length L = 630 mm

15.2. Fitting and connecting speaker columns, SAGEM AXIUM HD-D45 model

NB: *The two speaker columns are interchangeable. This means that each one can be placed either on the right or left.Please note, the two audio cables provided have different lengths to allow for this.*

Fitting the speaker columns supplied

Take the speaker columns out of their packaging. Put the first speaker column beside the screen, see **step 1** ➡
so that the fixing holes coincide with those of the frame. Using the screws and screwdriver provided, fix the two
lugs of the column against the frame, see **steps 2** ➡ , **3** ➡ , **4** ➡ , **5** ➡ .
Do the same for the second speaker column.

Connecting the speaker columns supplied

Connect each column to your SAGEM AXIUM™ Home Cinema Screen with the audio cables supplied:

• For the left-hand speaker column, viewed from the rear, take the 510-mm cable and connect the red wire on
the red terminal, the black wire on the black terminal to this column, see **step 6** ➡ .

• Connect the other end of the cable in the same way on the left-hand terminal, viewed from the rear, of your
SAGEM AXIUM™ Home Cinema Screen, see **step 7** ➡ .

• Then hide the cable by pushing it in the groove, starting from the black and red terminals of the speaker column,
see **step 8** ➡ . Then continue like this to the black and red terminals of the television set, see **step 9** ➡ .

• Do the same for the right-hand speaker column, viewed from the rear.

Connecting your own speakers

You have the ability to connect your own speakers to your SAGEM AXIUM™ Home Cinema Screen if these have
impedance greater than or equal to 8 ohm. To do this, disconnect the speaker columns, connect your spea-
kers instead. Push the wires in the grooves.
To enable / disable the internal woofer, see § 8.2.
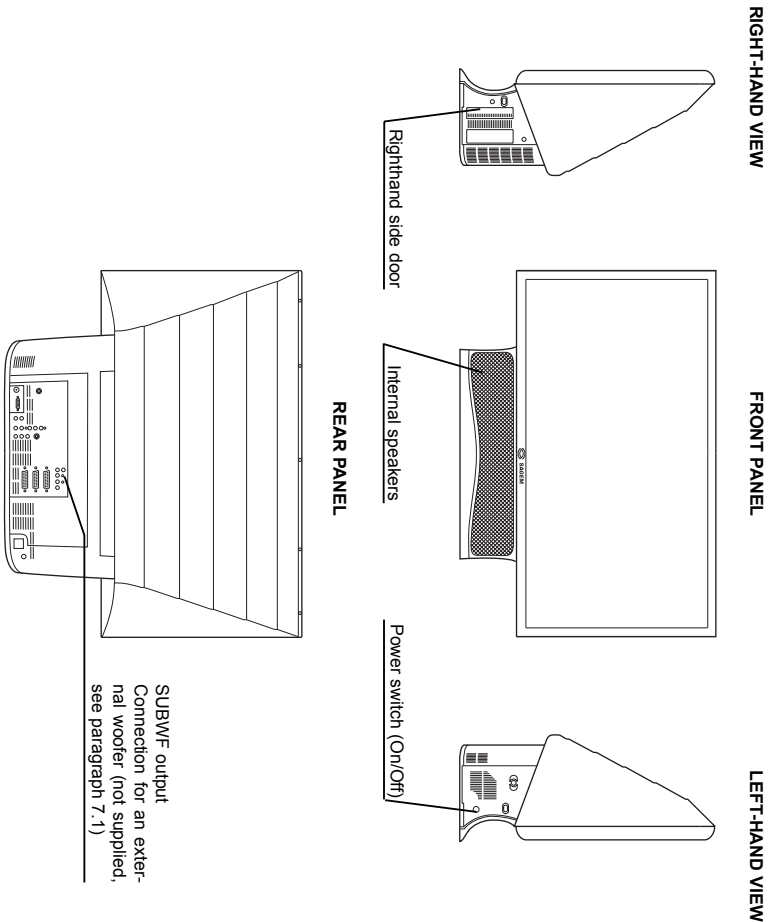To enable / disable the external speaker columns, see § 6.8.

ENGLISH
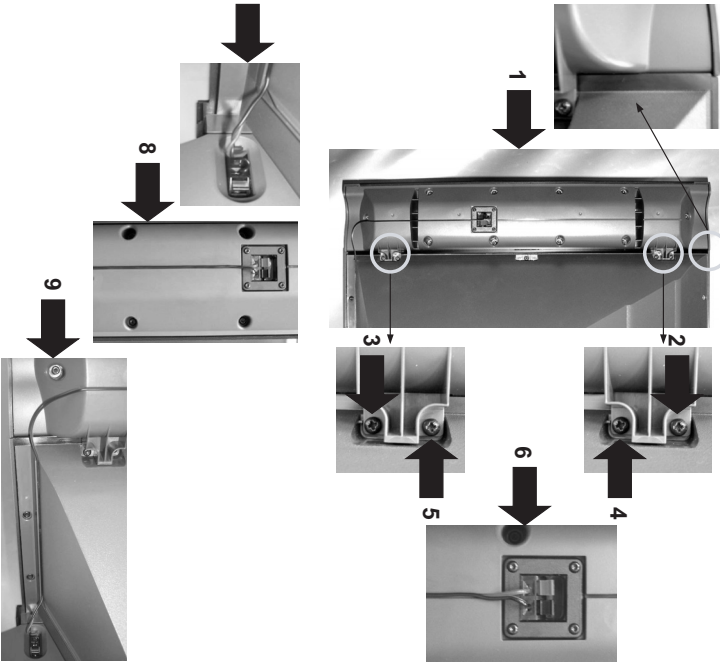
16. Technical characteristics of AXIUM HD-D45S model

Video

Screen size: 114 cm
Aspect ratio: 16/9
Resolution: 1280 x 720

Reception Tuner (antenna input 'ANT')

Input frequencies: 45.5 - 862.25 MHz
Input sensitivity: 20 - 100 dBµV
Number of programmes: 99
PAL B, G, H, I, D, K, SECAM B, G, D, K, L / L'
VHF E2 -E12
VHF A - H (Italy)   VHF H1 - H2 (Italy)
UHF E21 - E69
CATV (S01 - S02)
CATV S11 - S20 (U1 - U10)
CATV S1 - S10 (M1 -M10)
CATV S21-S41 (hyperband)
VHF R1 - R2
VHF R6 - R12
VHF R3 - R5

Audio demodulation

AM 6.5 MHz / NICAM 5.85 MHz (L')
FM 5.5 MHz 5.74 MHz (BG)
FM 5.5 MHz / NICAM 5.85 MHz (B G)
FM 6.0 MHz / NICAM 6.55 MHz (I)
FM 6.5 MHz 6.258 MHz / NICAM 5.85 MHz (D K K')

Audio

Maximum power: 2 x 30 W (8 Ohm)
Two speakers inside the television set
5-band equalizer

Righthand side door

AV6
S-Video input (Mini Din 4-pin)
Composite video input (1 x RCA)
Audio input (2 x RCA)

Headphones
Output (jack 3.5)
6 buttons (on/standby, P+, P-, V+, V-, OK)

Rear panel terminals

AV1 (RGB/Comp/S-video, audio)
AV2 (RGB/Comp/S-video, audio)
AV3 (RGB/Comp/S-video, audio)

AV4
S-video input (Mini-Din 4-pin)
Composite video input (1 x RCA)
Audio-in input (2 x RCA)
AV5 (interlaced or progressive)
Y, Cb, Cr in input (3 x RCA)
Audio input (2 x RCA)

Hi-fi
Audio output (2 x RCA)

PC IN
DVI D Computer input
Audio input (2 x RCA)

SUB WF (external woofer)
SERVICE (reserved for servicing personnel)

SPDIF
Digital audio input (1 x RCA)
Digital audio output (1 x RCA)

Input signals

Video signal:
Native/Upscale: SDTV/EDTV (480i/480P) (576i/576P)
HDTV (1080i/720P)
PC signal:
Native/Upscale : VGA 640 x 480, SVGA 800 x 600,
XGA 1024 x 768

Power supply

AC 220-240 V~ 50 Hz
Power consumption: 170 W
(Standby 3 W)

Dimensions and weight

TV (hxlxp): 791 x 1058 x 372 mm
Weight: 26 kg

Dimensions and weight (packaged)

TV carton (hxlxp): 858 x 1197 x 497 mm
TV carton weight: 34 kg

Accessories

Remote control TL-50
Batteries: 2 x 1.5 V (AA Type)
RF cable (for antenna input 'ANT')
Two cables for connecting the external speaker columns
One screwdriver
Eight screws for fixing the external speaker columns
User manual
European power cord with ground terminal, UK power cord
with ground terminal, Italian power cord with ground terminal.

Norms

EMC (Electromagnetic Compatibility)
EN50013:10.2001+A1:04.2003
EN55020:04.2002+A1:01.2003
EN55022:1998+A1:2000+A2:2003
EN55024:09.1998+A1:10.2001+A2:01.2003
EN61000-3-2:2000
EN61000-3-3:1995+A1:2001
This is a class A product. In a domestic environment this
product may cause radio interference in which case the
user may be required to take adequate measures.
Electrical safety
EN60065 : 2002
CEI60065 : 2001

16.1. Overview of AXIUM HD-D45S model

RIGHT-HAND VIEW

Righthand side door

FRONT PANEL

Internal speakers

LEFT-HAND VIEW

Power switch (On/Off)

REAR PANEL

SUBWF output
Connection for an exter-
nal woofer (not supplied,
see paragraph 7.1)

16.2. Fitting and connecting additionally purchased external speakers

You can connect your own speakers to your SAGEM AXIUM™ Home Cinema Screen if they have an impedance
greater than or equal to 8 ohms. To do this, connect your speakers, see **step 7** ➡ in § 15.2. Push the wires in
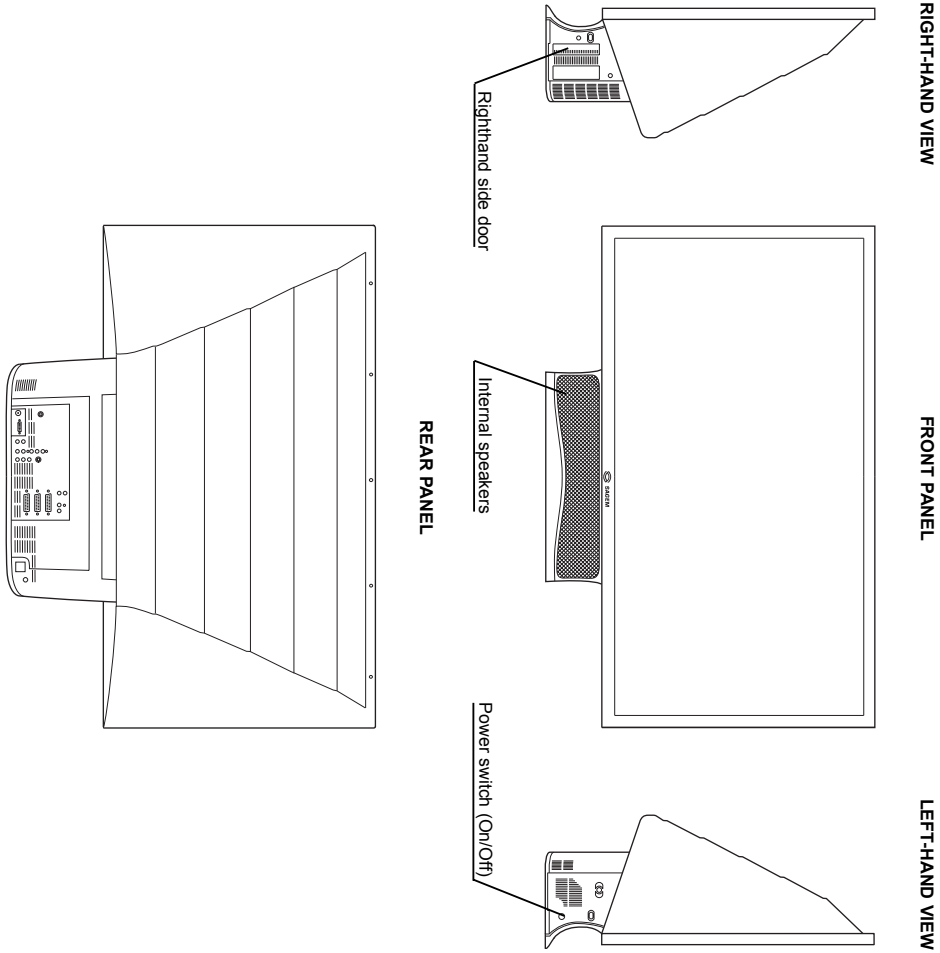the grooves, see **step 9** ➡ in § 15.2.

To enable / disable your own speakers, see § 6.8.

17. Technical characteristics of AXIUM HD-D56B model

Video

Screen size: 142 cm
Aspect ratio: 16/9
Resolution: 1280 x 720

Reception Tuner (antenna input 'ANT')

Input frequencies: 45.5 - 862.25 MHz
Input sensitivity: 20 - 100 dBµV
Number of programmes: 99
PAL B, G, H, I, D, K, SECAM B, G, D, K, L / L'
VHF E2 -E12
VHF A - H (Italy)   VHF H1 - H2 (Italy)
UHF E21 - E69
CATV (S01 - S02)
CATV S11 - S20 (U1 - U10)
CATV S1 - S10 (M1 -M10)
CATV S21 -S41 (hyperband)
VHF R1 - R2
VHF R3 - R5
VHF R6 - R12

Audio demodulation

AM 6.5 MHz / NICAM 5.85 MHz (L')
FM 5.5 MHz 5.74 MHz (BG)
FM 5.5 MHz / NICAM 5.85 MHz (B G)
FM 6.0 MHz / NICAM 6.55 MHz (I)
FM 6.5 MHz 6.258 MHz / NICAM 5.85 MHz (D K K')

Audio

Maximum power: 2 x 30 W (8 Ohm)
Two speakers inside the television set
5-band equalizer

Righthand side door

AV6
S-Video input (Mini Din 4-pin)
Composite video input (1 x RCA)
Audio input (2 x RCA)

PC1 IN
VGA Computer input (SubD 15-pin)
Audio input (jack 3.5)

Headphones
Output (jack 3.5)

6 buttons (on/standby, P+, P-, V+, V-, OK)

Rear panel terminals

AV1 (RGB/Comp/S-video, audio)
AV2 (RGB/Comp/S-video, audio)
AV3 (RGB/Comp/S-video, audio)
AV4
S-video input (Mini-Din 4-pin)
Composite video input (1 x RCA)
Audio-in input (2 x RCA)
AV5 (interlaced or progressive)
Y, Cb, Cr in input (3 x RCA)
Audio input (2 x RCA)

HI-fi
Audio output (2 x RCA)
PC2 IN
DVI D Computer input
Audio input (2 x RCA)
SERVICE (reserved for servicing personnel)
SPDIF
Digital audio input (1 x RCA)
Digital audio output (1 x RCA)

Input signals

Video signal:
Native/Upscale: SDTV/EDTV (480i/480P) (576i/576P)
HDTV (1080i/720P)
PC signal:
Native/Upscale : VGA 640 x 480, SVGA 800 x 600,
XGA 1024 x 768

Power supply

AC 220-240 V ~50 Hz
Power consumption: 170 W
(Standby 3 W)

Dimensions and weight

TV (hxlxp): 939 x 1306 x 438 mm
Weight: 37.2 kg

Dimensions and weight (packaged)

TV carton (hxlxp): 1100 x 1425 x 600 mm
TV carton weight: 51kg

Accessories

Remote control TL-50
Batteries: 2 x 1.5 V (AA Type)
RF cable (for antenna input 'ANT')
User manual
European power cord with ground terminal, UK power cord
with ground terminal, Italian power cord with ground terminal.

Norms

EMC (Electromagnetic Compatibility)
EN55013:10.2001+A1:04.2003
EN55020:04.2002+A1:01.2003
EN55022:1998+A1:2000+A2:2003
EN55024:09.1998+A1:10.2001+A2:01.2003
EN61000-3-2:2000
EN61000-3-3:1995+A1:2001
This is a class A product. In a domestic environment this
product may cause radio interference in which case the
user may be required to take adequate measures.
Electrical safety
EN60065 : 2002
CEI60065 : 2001

17.1. Overview of AXIUM HD-D56B model

RIGHT-HAND VIEW

Righthand side door

FRONT PANEL

Internal speakers

REAR PANEL

LEFT-HAND VIEW

Power switch (On/Off)

ENGLISH

17.2. Fitting and connecting additionally purchased external speakers

You can connect your own speakers to your SAGEM AXIUM™ Home Cinema Screen if they have an impedance
greater than or equal to 8 ohms. To do this, connect your speakers, see **step 7** ➡ in § 15.2. Push the wires in
the grooves, see **step 9** ➡ in § 15.2.

To enable / disable your own speakers, see § 6.8.

18. Index

NOTES