

User Manual

4K-HEVC Advanced Linux STB

ZGEMMA H7S



Contents

1. INTRODUCTION..... 1

- 1.1 Safety Instructions..... 1
- 1.2 Packaging Contents.2
- 1.3 Product Descriptions.....3
- 1.4 Conditional Access.4
- 1.4(A)HDD INSTALLER GUIDE.....4
- 1.5 Remote Control.....5
- 1.6 Main Features.....6
- 1.7 Technical Data.6
 - 1.7.1 Basic Features.6
 - 1.7.2 Basic Functions.7

2.INSTALLATION OF ZGEMMA H7S 8

- 2.1 Connecting the TV. 8
 - 2.1.1 Connecting TV via HDMI cable..... 9
- 2.2 Connecting Power.....9
- 2.3 Power On/Off..... 10

3. FIRST TIME INSTALLATION

(USING WIZARD)..... 10

- 3.1 Video Input Selection.....10
- 3.2 Video Mode (Resolution) Selection.....10
- 3.3 Language Selection.10

4. BASIC OPERATIONS. 11

- 4.1 Switching Channels. 11
- 4.2 Volume Control. 11
- 4.3 Selecting Audio Track. 12
- 4.4 Subtitle.12
- 4.5 Teletext.12
- 4.6 Program Information.....13
- 4.7 Info Bar.13
- 4.8 Electronic Program Guide (Event View).....13
- 4.9 Time Shift.....15
- 4.10 Recording.....15
- 4.11 Recording Play.....16
- 4.12 Managing Recording Files.17
- 4.13 Media Player.17
- 4.14 Plug-ins. 17
- 4.15 Sleep Timer.18

5. MENU. 18

- 5.1 Top Menu.18
- 5.2 Setup.19
 - 5.2.1 System Settings.19
 - 5.2.2 Service Searching..... 21
 - 5.2.3 Checking CAM. 23
 - 5.2.4 Parental Control. 23
 - 5.2.5 Factory Reset..... 24
 - 5.2.6 Software Update..... 24
- 5.3 Information.....25
 - 5.3.1 Service Information.....25
 - 5.3.2 Checking H/W & S/W Information..... 25

1. Introduction

1.1 Safety Instructions

ZGEMMA H7S has been designed and manufactured in compliance with EU consumer safety requirements (CE). Please read the following safety precautions carefully

1. Connecting Power

- This product operates only in the range of AC 100V ~ 250V and 50Hz/60Hz. Please check first your power supply to see if it fits in this range.
- Please be noted that you need to disconnect from the mains before you start any maintenance or installation procedures.
- Make sure that the power cord is placed in a position where it is easy to unplug it from the mains in an emergency.

2. Overloading

- Do not overload a wall outlet, extension cord or adapter as this may cause electrical fire or shock.

3. Liquid

- This product is not water-proof and should not be exposed to dripping, splashing, or any type of liquid.
- No objects filled with liquid such as vases shall be placed on the product.
- Please do not clean the product with wet cloth, which may cause a short circuit.
- No wet objects should be placed near the product.

4. Ventilation

- Allow sufficient space between the product and other objects to make sure air ventilation of the product.
- Do not block the top or rear of the product with an object, which will close the ventilation holes and lead to a high temperature of the system. This may cause a failure of the product.
- Do not stack other electronic devices on top of the product.
- Do not insert any kind of pointed objects like screw, gimlet, etc. into the ventilation holes of the product. This will damage the product.

5. Connecting the Satellite Cable.

- Disconnect the power of the product before you connect the satellite cable to the product. Otherwise, it may cause damage to the LNB.

6. Grounding

- The LNB must be earthed to the system earth for the satellite dish.

7. Location

- Place the product indoor.
- Do not expose the product to rain, sun or lightning.
- Do not place the product near any heat appliances such as a radiator.
- Ensure that there is more than 10 cm distance from any electrical devices & wall.

8. Lightning, Storm or Not In Use.

- Unplug the product and disconnect the antenna cable during a thunderstorm or lightning, especially when left unattended and unused for a long period of time. This will prevent possible damages from power surges or lightning.

9. Replacement of Parts

- Unauthorized part replacements, especially by one who is not a qualified technician may result in damage to the product.
- Ensure that when part replacements are necessary qualified technicians perform the task using the components specified by the manufacturer.

10. Hard Disk Drive

- Do not move the product or turn the power off suddenly while the Hard Disk Drive (HDD) is still running. This may result in damage to the HDD and thus the system.
- The company shall not be liable for any corruption of data on the HDD caused by careless use or misuse of users.

11. Battery

- There is danger of explosion if batteries are incorrectly replaced.
- Replace batteries only with the same or equivalent type.

Disposal "WEEE" Symbol instructions



This product should not be disposed with other house hold wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will help prevent harm to the environment or human health from uncontrolled waste disposal.

1.2 Packaging Contents

Please check all package contents before using your product.

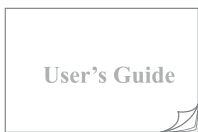
ZGEMMA H7S



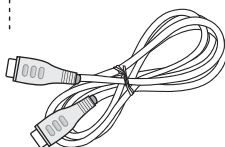
Remote Control



User's Guide



HDMI Cable



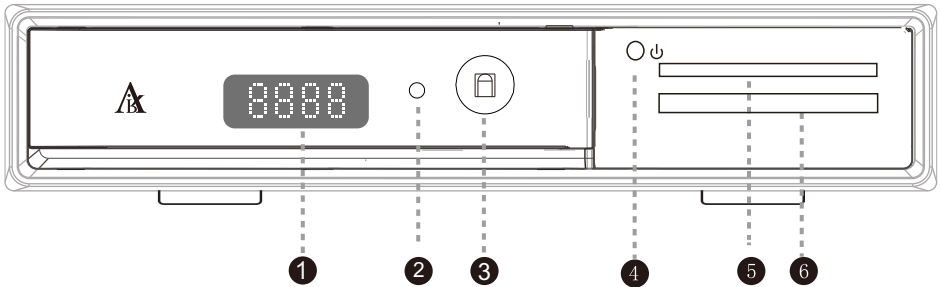
AC Adapter



* The accessories may vary according to area.

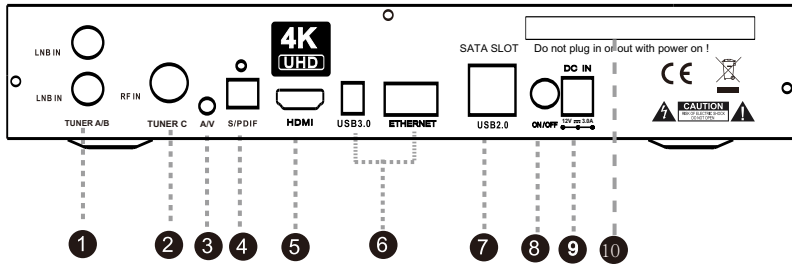
1.3 Product Descriptions

Front Panel



- 1. 7-Segment Display.
- 2. Indicator: Display the current status of STB. Green is on, Red is deep standby.
- 3. IR Receiver : Receive the IR signal from remote controller.
- 4. On/off button: Using this button, you can switch between on and standby mode of your STB.
- 5. Smartcard reader
- 6. Common Interface

Rear Panel



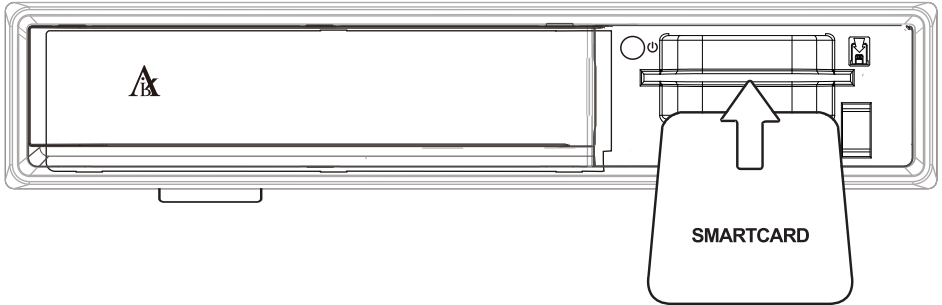
- 1. LNB IN: Two satellite cable can be connected
- 2. RF IN : Connect to Terrestrial cable or Cable TV
- 3. A/V: Connect to TV using AV cable.
- 4. S/PDIF: Connect to a digital audio system using S/PDIF cable.
- 5. HDMI : Connect to TV using a HDMI cable for both audio and video signals.
- 6. USB: USB3.0 and ETHERNET
- 7. USB2.0
- 8. Power Switch: Press to turn on/off the power.
- 9. DC Power Jack : Connect the provided AC/DC adapter (3A/12V).
- 10. SATA SLOT: SSD OR HDD SLOT 6.99*70

1.4 Conditional Access

Amongst the channels scanned via ZGEMMA H7S some channels can be properly tuned in only with the corresponding Smartcard and/or CAM (Conditional Access Module). ZGEMMA H7S provides one Smartcard Reader slots and one Conditional Interface slot. Users need to purchase those Smartcards and CAMs that are required for viewing such subscription based services.

Insertion of Smartcard

- 1 Open the door on the right side.
- 2 Insert Smartcard as in the following instruction with the IC chip pointing down.
- 3 Make sure that the Smartcard remain inserted while viewing.



1.4(A)HDD INSTALLER GUIDE

- 1.POWER OFF THE BOX
- 2.FIX THE SSD OR HDD
- 3.POWER ON THE BOX

1.5 Remote Control

POWER
Press to turn the product on or standby

Numeric Keys
Press to enter a channel number or numbers according to the menu options

PREVIOUS
Press to go to Previous Page

BACK
Press to return to the previous service or Menu

Navigation Keys
Press to navigate up/down and left/right on the menu options. up/down keys are used to call up the channel list

EXIT
Press to exit the current menu option into the live mode, or switches one step back of the menu.

Volume +/-
Press to adjust the audio volume

TEXT
Press to display the teletext information of the current channel, if the channel provides teletext data.

TV
Press to display the TV channel list

Color Keys
RED, Green, Yellow & Blue Each key is assigned a specific function that may be different in each manu

POWER
Press to mute the audio or un-mute

NEXT
Press to go to Next Page

INFO
Press to view the Program information

OK
Press to confirm the selected menu option

EPG
Press to display the EPG(Electronic Program Guide) information if the channel provide

Channel(Page) up/down
Press to navigate through the scanned channel list or move the channel/program list in pages

MENU
Press to main menu

FILE LIST
Press to display the list of recordings stored on the external HDD if any

AUDIO
Press to select available audio language and audio type

SUBTITLE
Press to display the subtitle of the current channel, if the channel provides subtitle data

PORTAL
Press to go to Portal menu

RADIO
Press to display the Radio channel

Recording [*]
Press to start or stop recording media

STOP [■]
Press to stop playing media

Play/Pause [■■]
Press to play the selected file(e.g.recording)at the normal speed or pause the live program or recording play

Previous Program [◀]
Press to move to previous program

Next Program [▶]
Press to move to Next program

TIMER
Press to view the Timer Schedule

Fast Rewind [⏮]
Faster rewind than the normal speed

Fast Forward [⏭]
Faster forward than the normal speed

SLEEP
Press to turn off the product sleep timer by user

V.MODE
Press to change the display output ratio: Wide Zoom or Original

FAV
Show the Favorite Lists available

HELP
Press to display major important operation methods. This provides users with a quick guide of product

1.6 Main Features

- ARM Brahma15 Dual Core 1500Mhz
- Linux Operating System
- Media Player
- Downloadable Plug-ins supported
- Smartcard Reader
- Common Interface slot
- Support 4K-2160p
- MPEG2/H.264 and H.265
- HD HEVC/H.265 2160p60 Main-10 multi-format decoder
- 8GB Emmc NAND Flash/1024MB DDR Memory
- Twin detachable tuner for DVB-S2X and/or DVB-C/T2 Tuner
- SATA slot outside
- 1 Gbit Ethernet Interface
- USB 3.0 and USB 2.0
- HDMI 2.0
- Composite video with digital audio
- SPDIF for digital bit stream out(optical)
- EPG supported
- Automatic & Manual Service Scan supported
- Multiple LNB control (DiSeqC) supported
- Skin change supported
- Stable power adaptor (external)

1.7 Technical Data

1.7.1 Basic Features

Reliability	
Operating Temp.	0 ~ 45°C
Relative Humidity	10% ~ 80% (non-condensing)
RF Reception	
DVB-S	950MHz ~ 2150MHz
DVB-S2	DiSeqC 1.2
Number of RF Input/output terminal (75 Ohms F-Type)	SAT-IN 1 and 2 port Cable-IN 1 port
Terrestrial DVB-C/T/T2	1GHz DVB-C tuner
IO Features	
Power Indication	Yes (green=on, Red=stand-by)
Network activity Indication	Yes (Rear)
Ethernet	Yes (1Gbit)
HDMI output	576p, 720p @ 50Hz, 1080i @ 25Hz, 1080p @ 50Hz ,2160p
USB 3.0	Yes (Rear, 1 port)
USB 2.0	Yes (Rear, 1 port)
Smart Card Slot	x 1 (Front)
Common Interface	x 1 (Front)
Optical Output	PCM / Dolby Digital
Power Supply	AC-DC Adaptor (12V 3A)

Packaging	
Gift box	Paper box, coloured design
Accessories	
RCU	Yes
HDMI Cable	Yes
AC Adaptor(+12V/3A)	Yes
User Manual Guide	Yes

1.7.2 Basic Functions

Solution	
CPU	ARM Brahma15 1500Mhz
RAM	1024MB
ROM	NOR 8MB eMMC NAND 8GB
OS	Linux version >4.0
Audio Decoder	
Dolby Digital (AC3)	Yes
MPEG-1 L1/L2/L3	Yes
MPEG-2 AAC	Yes
MPEG-4 HE-AAC	Yes
Digital multi-lingual	Yes
WMA	Yes
DTS	Yes
Video Decoder	
MPEG-1	Yes
MPEG-2	MP@HL
VC-1	AP@L3
H.264	HP@L4 (1080p 30fps)
H.265	2160p 60fps
WMV9	MP@HL
XVID	XVID Highdef (HD)
Video Display	
16 : 9, 4 : 3 Monitor Selection	Yes
Aspect ratio control (Normal, Wide, Zoom)	Yes
576i/576p/720p/1080i/1080p	Yes

Control I/F	
Front keypad	1 Key-Power
RCU	Yes
AV Input/Output	
CVBS+LR	Yes
HDMI output	x 1
SPDIF optical output	Yes
USB	X 2
Ethernet	
Rj45	x 1
Network	
1Gbit	Yes
W-LAN	Wi-fi (802.11 b/g), USB type (optional)
DHCP, Static IP	Yes
PPPoE	Optional
Other Functions	
Volume & Mute Control	Yes

2. INSTALLATION OF ZGEMMA H7S

This chapter will guide you through the whole installation process of ZGEMMA H7S .Please read each section carefully to make sure that the system runs properly.

2.1 Connecting the TV

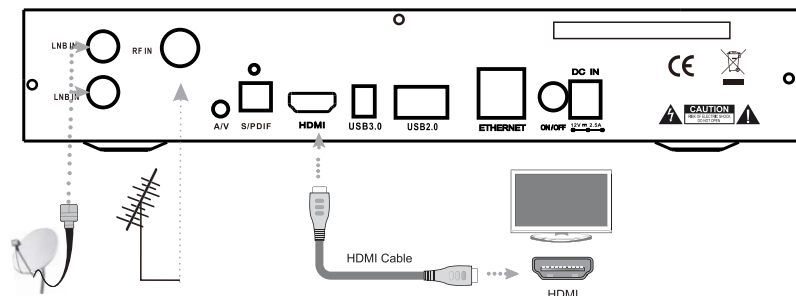
ZGEMMA H7S provides a variety of audio/video connection methods.

We recommend you to use HDMI connector to get the best picture quality. If your television does not have a matching connector, then use the AV connector in the following order for a better picture quality.

You should configure audio and video settings after connecting up the digital receiver.

2.1.1 Connecting TV via HDMI cable

For the sake of the best picture quality, especially for digital TV, HDMI connection is recommended. Most HDTVs have HDMI connectors to ensure the highest picture quality. In the rear panel of ZGEMMA H7S one HDMI connector is available for this purpose. Connect your TV to ZGEMMA H7S using an HDMI cable as follows.



2.2 Connecting Power

A power adaptor is provided as one of the basic accessories of ZGEMMA H7S .

1 Connect the power adaptor to the connector at the rear panel of ZGEMMA H7S.

2 Connect the power adaptor to a power outlet.

3 Turn on the power switch at the rear panel.


NOTE : AC input condition

- Nominal Voltage Range : 100 - 240 VAC
- Maximum Voltage Range : 90 - 264 VAC

- Nominal Frequency : 50 / 60 Hz
- Maximum Frequency Range : 47 - 63 Hz

NOTE : **i** means Remote control operation order.

2.3 Power On/Off

[ : Press Power key / Press MENU > Select Standby/Reset]

There are several ways to turn your ZGEMMA H7S ON or OFF.

* Complete Power Shutdown

Press the power switch to completely shut down the power.

* Standby Mode

POWER key is normally used to turn the power of ZGEMMA H7S on or off. If you press POWER, it instantly switches your ZGEMMA H7S off or on. In this mode, the system is not completely shut down and thus it takes a shorter time to turn it on and off.

* Deep Standby Mode [: Menu > Standby/Restart > Deep Standby]

Deep Standby is used to reduce the standby power consumption. ZGEMMA H7S designed to be energy efficient and to guarantee the power consumption to be under 1W in the deep standby mode.

3. FIRST TIME INSTALLATION (USING WIZARD)

When you turn on ZGEMMA H7S for the first time after purchase, an installation wizard will begin step by step.

NOTE : OK key is used for confirmation and turns to the next step. Press EXIT key to return to the previous page.

3.1 Video Input Selection



3.2 Video Mode (Resolution) Selection



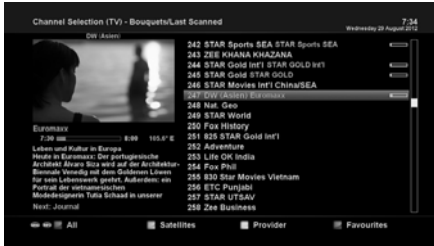
3.3 Language Selection




ZGEMMA H7S provides various languages and here you can choose the main language for your ZGEMMA H7S. Use UP/DOWN key to scroll up and down to find the language you want.

4. BASIC OPERATIONS

4.1 Switching Channels



[ : Press ▲/▼, CHANNEL +/- key / Press ◀/▶ to move to the next channels]

ZGEMMA H7S offers various channel zapping methods. You can switch the current channel by pressing.

• UP/DOWN key

If you press UP or DOWN key, Channel Selection menu appears.

You can move up and down to select the channel that you want to tune into

• LEFT/RIGHT key

If you press LEFT or RIGHT key, the previous or subsequent channel of the current channel is tuned in.

• CHANNEL +/- key

If you press CHANNEL + or - key, this will call up the Channel Selection menu.

• Channel Number

Enter a channel number, and it will instantly tune into the channel.

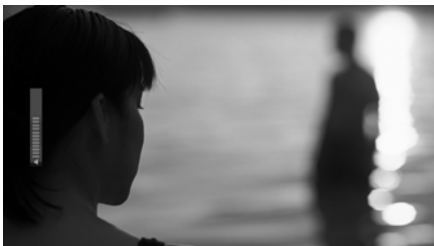
NOTE :

If channel change is not done, it is probably because the selected channel is encrypted and you do not have a proper smartcard.


In order for you to add certain channels to this Favourites list,

- 1 Call up the Channel Selection list by Pressing UP or DOWN key.
- 2 Go to the list of All channels by pressing RED.
- 3 Select the channel that you want to add to the Favourites list.
- 4 Press MENU key on the selected channel and channel list menu appears.
- 5 Choose "add service to bouquet" and press OK.
- 6 Select "Favourites" and press OK.
- 7 Go to the "Favourites" list by pressing BLUE to confirm that the selected channel is correctly included in the list.

4.2 Volume Control

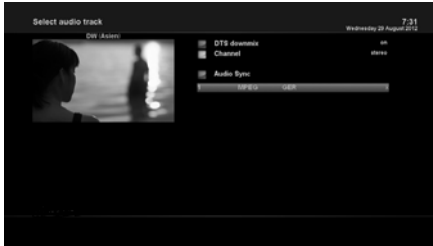


[ : Press VOLUME +/- key]

You can adjust the audio volume by pressing VOLUME +/- key. You can also mute or unmute the audio temporarily by pressing MUTE key ().

Mute icon is on when the audio is muted.

4.3 Selecting Audio Track



[**i**] : Press AUDIO key]

You can check what audio tracks are available to choose by pressing AUDIO key.

By using UP/DOWN key and Colour key, you can select a different audio language or Stereo sound.

NOTE : Available options on this menu will differ depending on the service.

4.4 Subtitle



[**i**] : Press SUBTITLE key]

You can view the subtitle of the current program if the program provides the subtitle. Press SUBTITLE key, Subtitle selection menu appears as below.

Available subtitles, if any, will display. By using UP/DOWN navigate the list to select a subtitle that you want to play and press OK to activate it.

4.5 Teletext



[**i**] : Press TEXT key]

You can call up Teletext information by pressing TEXT key. It will take some time to load all the information.

You can navigate through the Teletext page by using UP/DOWN key to select a text page. Also, just simply enter the page number that you want to read.

- MUTE key

Once you activated Teletext, you can toggle between the live mode and the Teletext page by pressing MUTE (**M**) key instantly. In this case, loading of the Teletext page takes place instantly.

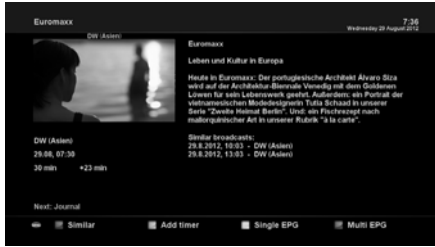
- VOLUME +

If you want to enlarge the page, press VOLUME + key.

- VOLUME -

If you want to reduce the page size, press VOLUME - key.

4.6 Program Information



[**i**] : Press INFO key

Whenever you change the channel, infobar is always displayed for 5 seconds (default setting). Infobar is designed to provide you comprehensive information of the channel that you are currently watching.

4.7 Info Bar

• Press OK to call up infobar.



4.8 Electronic Program Guide (Event View)



[**i**] : Press EPG key

Electronic Program Guide (EPG) displays the program information of each channel, if provided, in time and date order. Detailed information of the current channel will be displayed on EPG. There are four options in the EPG display.

NOTE : Press and hold EPG key for Multi-EPG.

• GREEN (Add Timer)

If you press GREEN key, Timer entry menu appears as shown left. This option is used to set up a new timer for recording or zapping.

