Manual GigaBlue

DIGITAL MULTIMEDIA RECEIVER

GigaBlue

UHD QUAD 4K

www.gigablue.de

Manual GigaBlue Box

Initiation

Dear Customer,

thank you have decided to purchase the one GigaBlue UHD Quad 4K.

This manual should help you to connect your GigaBlue box properly and to get to know the numerous functions better.

The GigaBlue HD Quad Plus is a world first with a fast 2 x 1.7 GHz processor, 4GB of memory, adapters and a color LCD screen; the possibilities of this multimedia box are very extensive. They are reached by fast Gigabyte LAN in your private and external network the highest performance. Furthermore, in software MediaPortal is integrated.

You can use the GigaBlue Box as your Web browser, photo archives, music archives, film archive and many other functions.

You can adjust the GigaBlue box according to your wishes via plugin Service.

We hope you will enjoy reading the manual, and of course in the use of your GigaBlue UHD Quad 4K.

Should a problem with your GigaBlue UHD Quad 4K occur please download http://www.gigablue.de under down the service request form and fill it out completely.

Your Gigablue Team

GigaBlue HD Quad Plus

Contents

General Information

You can view the GigaBlue Box numerous HD and SD programs,
are sent via satellite optional DVB-C / T. In this manual the installation of GigaBlue box and
the procedure for implementation will explains various functions. In addition, special
functions are explained in details which are available only at the box GigaBlue. So you can
use these functions optimally. The skin shown here is the default skin, in other skins only
the graphical user interface, but the function remains the same changes.

Key Features

- Fully compatible with MPEG-2/4 and DVB-S / S2
- Resolution: 20160p,1080p, 1080i, 720p, 576p, 576i
- Digital Audio with AC-3 support by SPDIF
- User-friendly, on-screen menu system Linux
- Various channel editing functions
(Favorites, Lock, Rename, Delete and Sort)
- Automatic search for newly added transponders
- (automatic network search)
- Easy and fast software upgrade via USB or Internet
- Timer function, automatic on / off with the appropriate setting of the function (once, daily,
weekly and monthly)
- Automatic system for moving bookmarked channels
- Electronic TV / Radio program (EPG)
- Video connectors: HDMI, RCA, COMPONENT
- RS-232
- Different switch types, LNB types and NTSC / PAL monitor types
- SCPC and MCPC receivable from C / Ku band satellite
- Multi LNB controlled by DiSEqC 1.0, 22 kHz
- Automatic PAL / NTSC conversion
- Last channel is automatically saved
- Play multimedia files like MP3, videos and pictures in HD quality
- PVR on HDD or Network
- Media Portal, Streaming
- Timeshift (time shifting)
- Plugin Service (extensions)
- HDMI CEC control
- PiP & Quad PiP (Picture in Picture)
- Built-in UPnP server / client
- Web Browser
- IP TV, IP Radio

General Information

This GigaBlue product was manufactured according to international safety standards.

Please read all safety and operating instructions before operating the product carefully and keep all safety and operating instructions in your records.

Safety Instructions

• **Setting up the GigaBlue Box**
The GigaBlue Box may only be operated in closed rooms.

• **Power supply: External power supply 12 V 4 A**
Outlets, extension cords or the power adapter must not be overloaded, since the risk of electric shock or fire could result.

• **Liquids**
The device must not come into contact with dripping or splashing. Do not place objects filled with liquids such as vases or glasses on the instrument.

• **Clean the GigaBlue Box**
Before cleaning the GigaBlue Box from the power disconnect. No liquid or
Use aerosol cleaners. Clean the appliance only with a damp cloth

• **Ventilation**
the ventilation slots on the top of GigaBlue Box may not be covered, so that proper ventilation of GigaBlue box is ensured. Direct
Sunlight and installation in addition to a heating add to the GigaBlue box damage.

• **Connect the LNB's and TV**
The GigaBlue box must be disconnected from the mains before you connect the LNB's or TV.

• **Repair or replacement**
Opening or removing the covers of the user to dangerous voltages or other hazards may be suspended.
Repair or replacement may be carried out only by qualified technicians. Furthermore, void the warranty, the user should make changes to the GigaBlue box.

General Information

Notes: Disposal

The GigaBlue Box packaging consists entirely of recyclable materials.

Perform these exclusively that for you in your state, appropriate system.

The GigaBlue Box may at end of life not be disposed of with normal household waste but must be brought to a collection point for the recycling of electrical and electronic equipment.

The symbol on the product, the instruction manual or the packaging indicates.

The materials are recyclable according to their labeling.
By recycling, material recycling or other forms of utilizing old devices, you make an important contribution to environmental protection.

Please ask where the disposal facility is requested from your local municipality.

Also make sure that the dead batteries of the remote control and electronic waste from entering the household waste.

You are thereby making an important contribution to environmental protection.

General Information

Delivery content

Please verify that you have received the GigaBlue box complete with all accessories.

- GigaBlue UHD Quad 4K
- Power supply and cord
- GigaBlue Remote Control
- User Manual
- Batteries

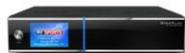**GigaBlue UHD Quad 4K**

Power supply
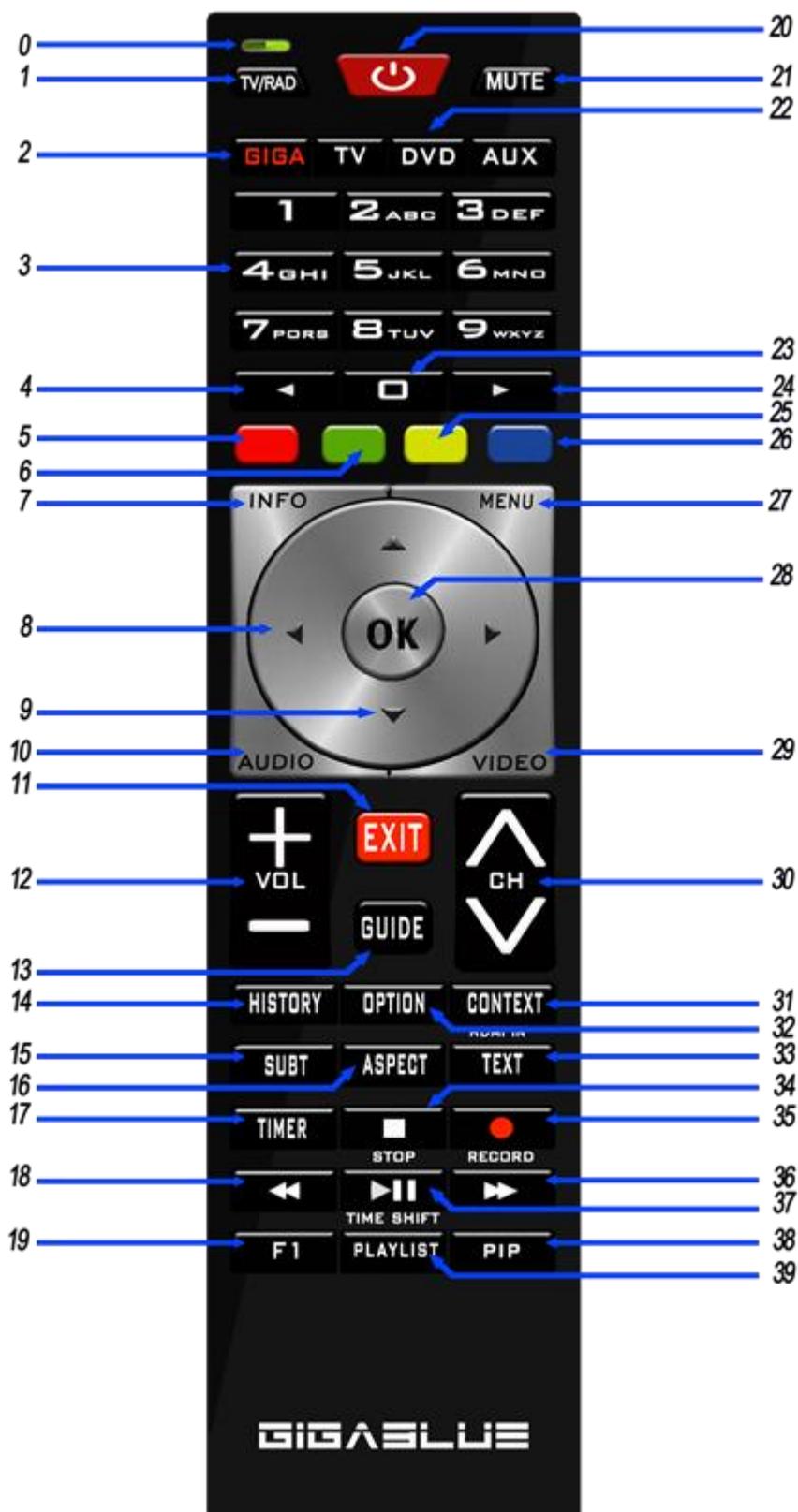
2 Batteries Mignon 1,5 V

220 V Connection cable

User Manual

Remote Control

Remote Controls Functions

General Information

Remote Control Functions

1. Switching TV/Radio
2. Giga , TV, Aux, DVD
3. Number field
4. Numeric keypad ◄
5. Red function Button
6. Green function Button, Plugin/Save
7. Information on the receiving channel
8. Arrow button ◄ lift and ►right
9. Channel list button ▲+ ▼-
10. Select Audio button
11. Exit
12. Volume ▲+ ▼ -
13. EPG (Electronic Program Guide)
14. History button
15. Subtitels button
16. Aspect button
17. Timer button
18. Control button reverse ◄◄
19. Freely programmable button
20. Power on/off
21. sound on/off
22. Universal function TV/DVD/AUX
23. Go back to the previous channel **0**
24. Numeric keypad ►
25. Timeshift start 🟡 ▶❚❚
26. Bluepannel button
27. Menü button
28. OK button
29. Video button
30. Program ▲+ ▼-
31. Context button
32. Option channels
33. Teletext / Virtuell keyboard
34. Stop button
35. Recording button
36. Control button forward ►►
37. Play / Pause Timeshift ►❚❚
38. PiP button (Picture in Picture)
39. HDD Atchive button
40. Control Recording / Music

Caution: if GigaBlue remote GigaBlue Box not operated, please press the button GIGA

General Information

Front View

Power on/off	Turns GigaBlue box to standby
Menu	Opens the menu
Exit	Exits the menu / channel list
◄	A channel back / Navigate menu
►	A channel forward / Navigate menu
▲	Channel list Open / Navigating the Menu
▼	Channel list Open / Navigating the Menu

General Information

Rearpannel / Quad 4K

SD Card

FBC Tuner A&B

Digital Output

USB 3.0 port for connecting external USB devices such as

HDMI IN TV Diveces

Power Supply Connector

Plug & Play Tuner DVB-C/T2 and DVBS-2X (Tuner optional)

HDMI output DVD, PC and etc devices

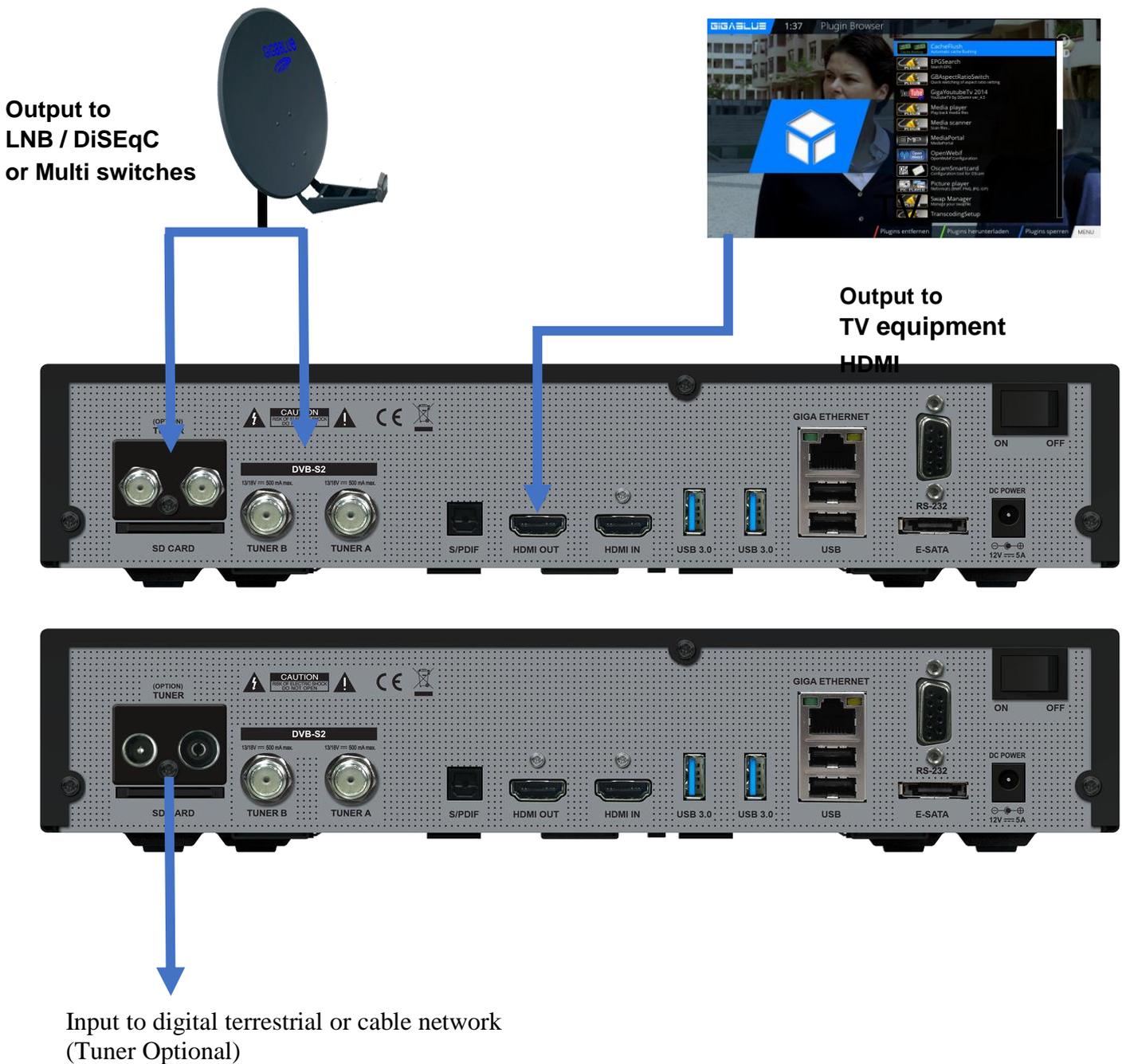**USB 2.0 for connection of external USB devices, for example, HDD, DVD, WiFi, etc**

Power ON/Off

E-SATA Port for HDD and E-SATA devices

Network Connection 10/100/1000 Mbit for Internet and FW Update

Antenna and TV Equipment

This chapter describes the installation of GigaBlue Box is explained. For information about installing external devices as, see below. As the satellite dish, LNB, refer to the corresponding manuals of the manufacturer. When installing a new appliance, the corresponding installation chapter in the manual must be observed.

**Output to
LNB / DiSEqC
or Multi switches**

**Output to
TV equipment
HDMI**

Input to digital terrestrial or cable network
(Tuner Optional)

Installation

TV Devices RCA / Component

If the GigaBlue box on Audio / Video (also called RCA) want to connect or the Component connection follow the graph shown below. The individual connectors are color-coded on both TV and the GigaBlue box. Note that if you use Component for connecting an additional opportunity for the audio connection must be used.

Zum Verstärker AC3
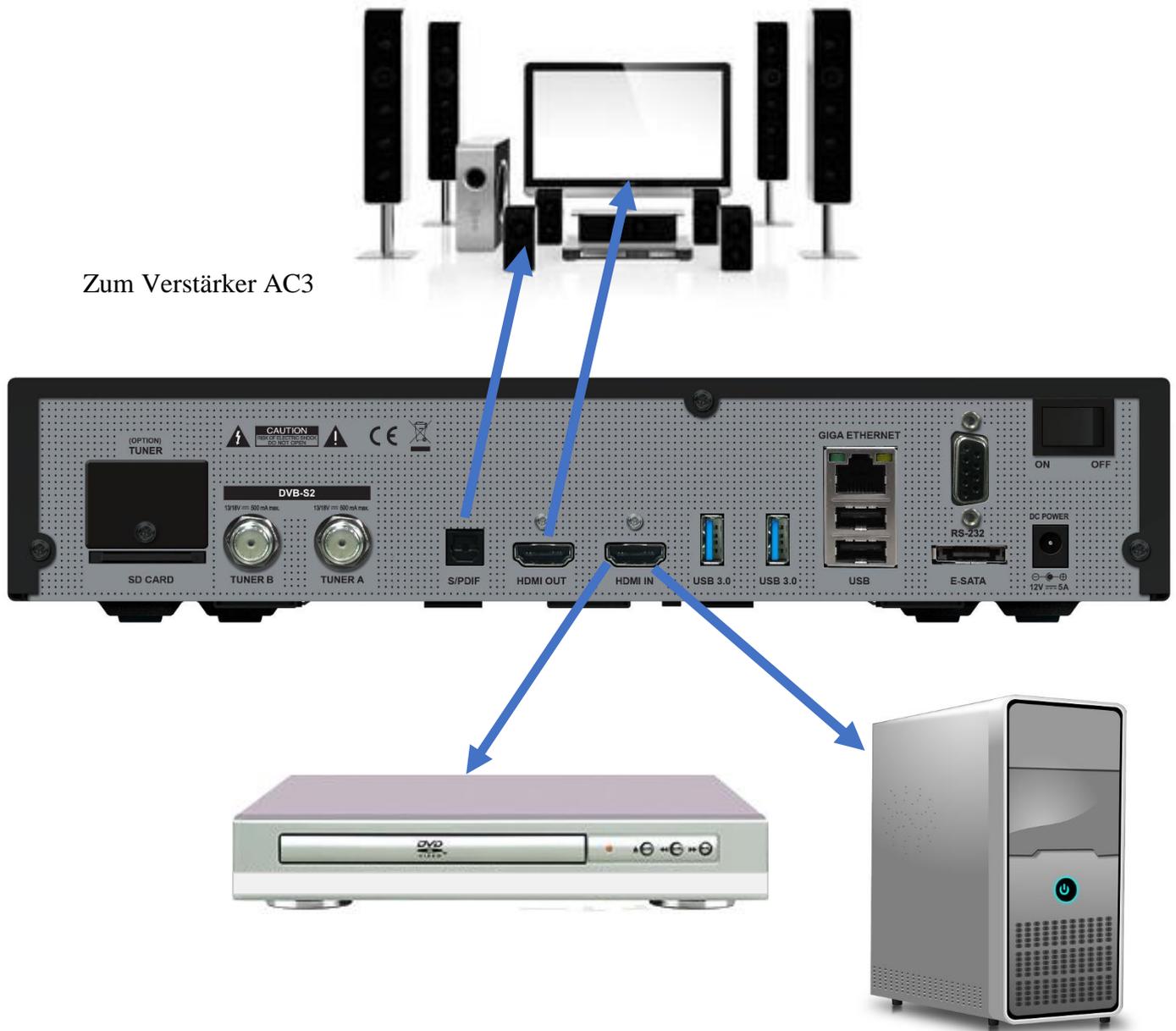
Installation

Start wizard 1

Using the Startup Wizard, you can set up your GigaBlue box in a few minutes.

When you first start the GigaBlue you get the following Fig.1. Set the video output on. You have the ability to determine the outcome of the arrow keys ▲ ▼ and press the OK button.

Then set the coding a, it can be reached with the arrow keys ▲ ▼ and confirm with the OK button Fig.2.

In the next steps Langue:
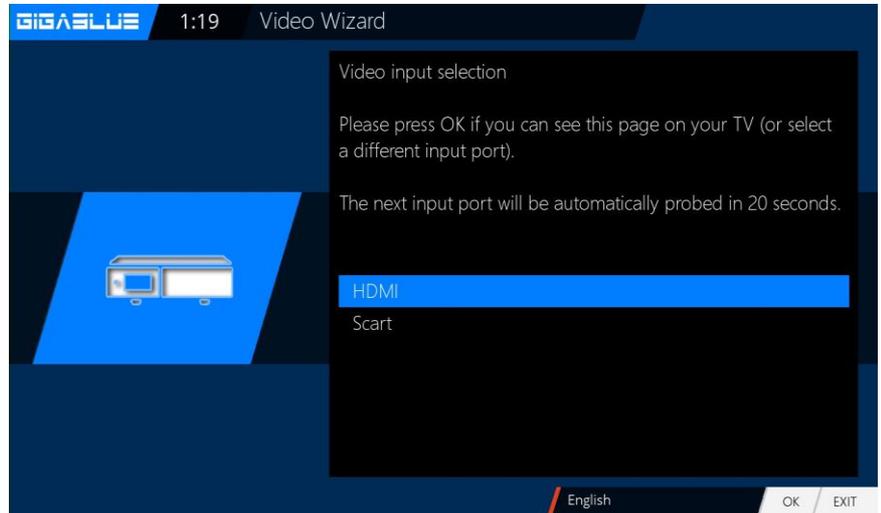Then select with the arrow keys ▲ ▼ language Fig. 3 and press the OK button.

	HDMI
Video output (Resulation)	2160p für 4K TV 1080p 1080i 720p 576p 480p 480i

Fig.1

Fig. 2

Fig.3

Start wizard 2

Next, the network is configured. Press **OK** to move to the next menu Fig.1.

Apply in Fig.2 the settings and click **OK**.

If you want to assign a static IP, press the arrow keys ◄► and set DHCP to NO.
Now set the network so. That it fits to your network

Abb. 1

If you have chosen a wireless LAN, press the OK button WLAN configuration see page 53 and 54

Now your GigaBlue box for the first start is configured Fig.3. Click OK to close the installation.

Abb. 2

Abb. 3

Start wizard 3

You will now be asked if you see
the "See all eight arrowheads
If you confirm arrowheads with
OK, if not with the
Arrow keys ◄► and set to no and
press OK. Fig. 1

When arrowheads are not
visible. Please first select
left with arrow keys ▼ ▲
and adjust with arrow keys
◄► until you see
arrowheads.
Then right, up, down
Confirm the selection with
OK and you get to the next
menu fig.3.

The Startup Wizard will now launch
in your selected, Figure 1, Language
and Video mode. With OK you get
to the next point.
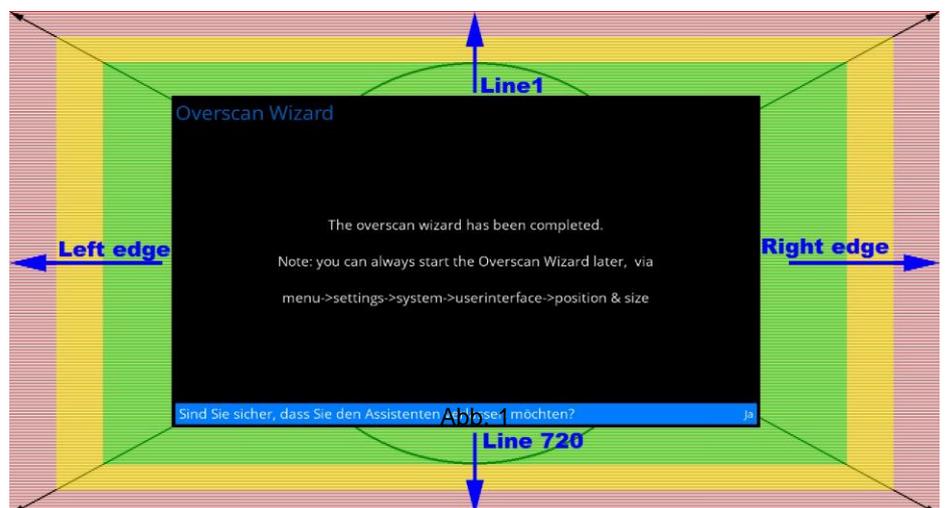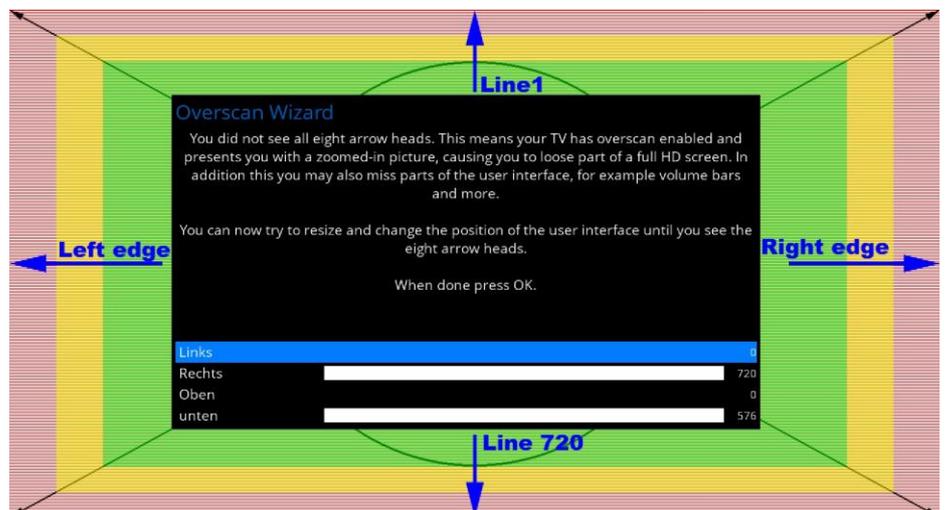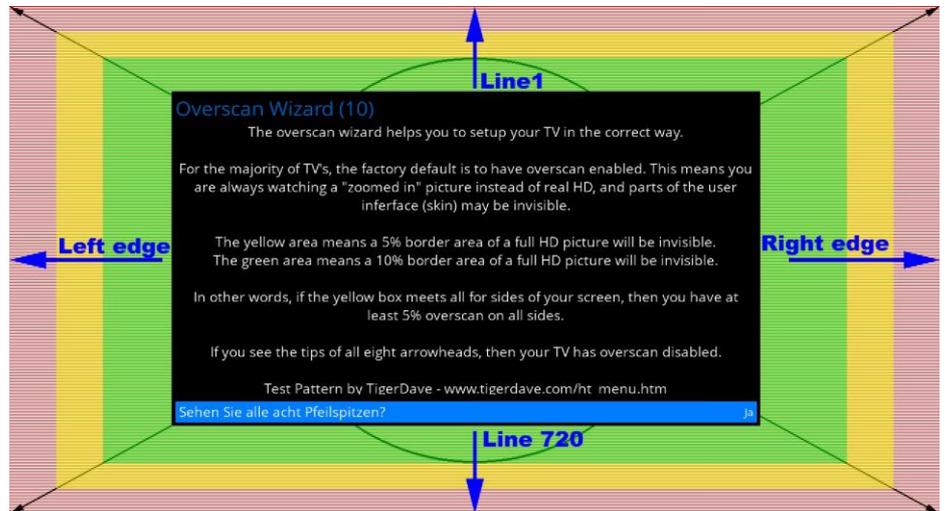
Der first Start

Start wizard 4

The start wizard is now started in your selected Fig.1, language. Press OK to move to the next point.

You will be asked if you want to make the basic settings (recommended) or want to quit the start wizard. Use the arrow keys ▲ ▼ to access the individual menu items. Fig. 2

Fig. 1

.
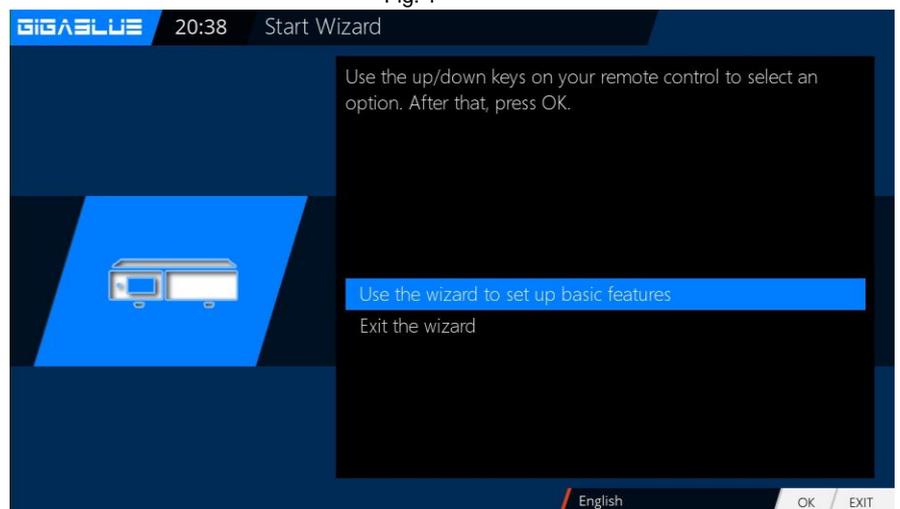
Fig. 2

Startassistant FBC Tuner
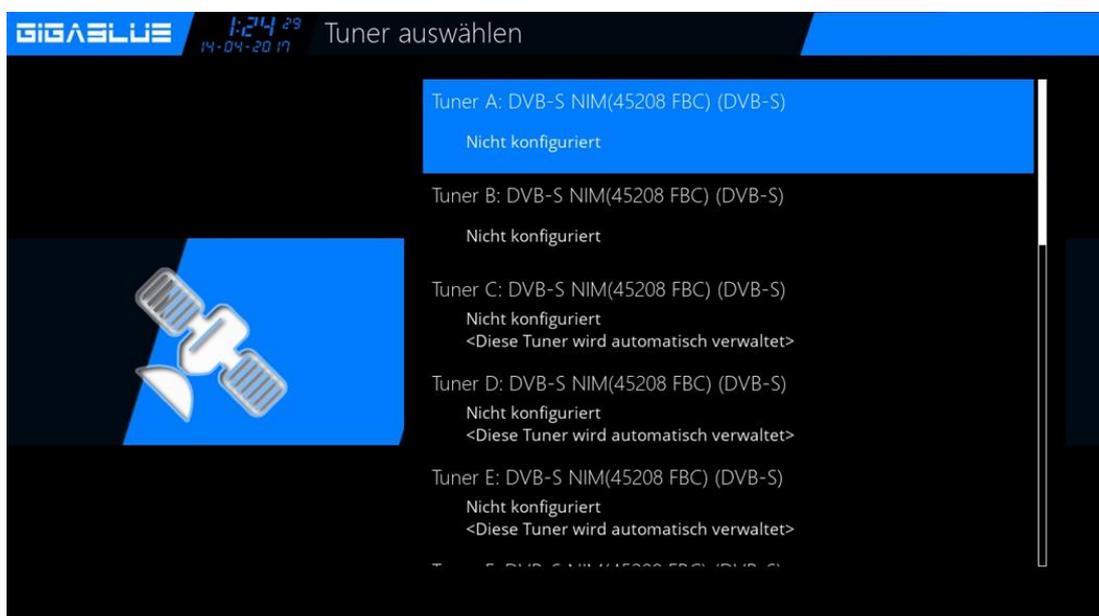
The first Start

Start wizard 5

Then, if you have not finished the startup wizard, the tuner configuration will take place with the arrow keys ◄► you have the possibility of tuning the tuner to your Sat antenna or DiSEqC adjust. Fig.1
In the mode setting you have various choices possibilities
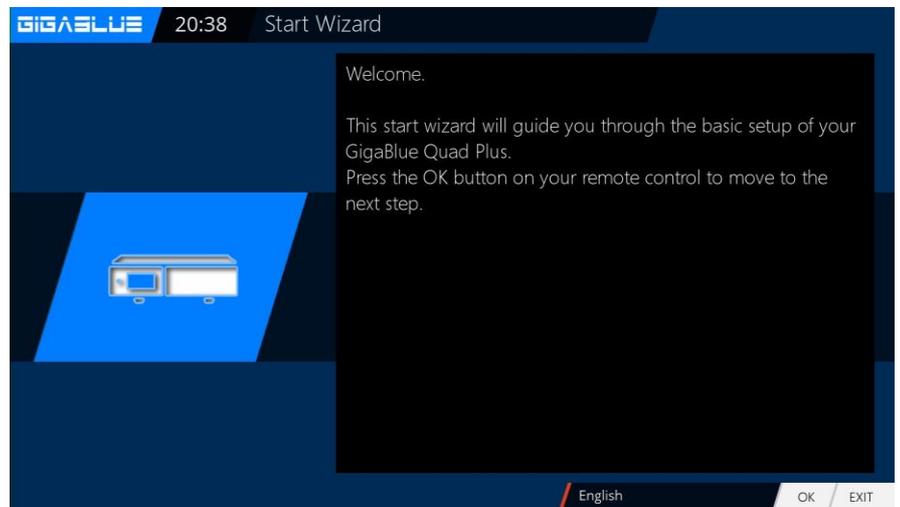
Simple
DiSEqC A/B
DiSEqC A/B/C/D
Rotor
(Will be described in detail)
Singly
Toneburst A/B
Use the arrow keys ◄► the Configuration that suits your satellite System Fig.2 and press the OK button.

Tuner B:
If you have antenna cable connected to Tuner B. Equal to FIG.3
if you have connected only one Antenna cable to Tuner A, Internal loop through to Tuner A. FIG.4

Fig.1

Fig.2

DVB-S2 FBC Tuner - What is it?
This type of tuner will be used for the first time on a GB UHD QUAD.
FBC stands for "Full Band Capture" and means that the entire frequency band of a level is received.

Fig. 3

How does it work?
Two FBC tuners are powered by two Sat IF inputs (LNB1 IN and LNB2 IN), then eight demodulators are dynamically split between both FBC tuners. Each of these demodulators can then demodulate a transponder or an SCR frequency.

Fig.4

What are the advantages of this?

1. Faster changeover times, since the next program can already be pre-dunked and demodulated.

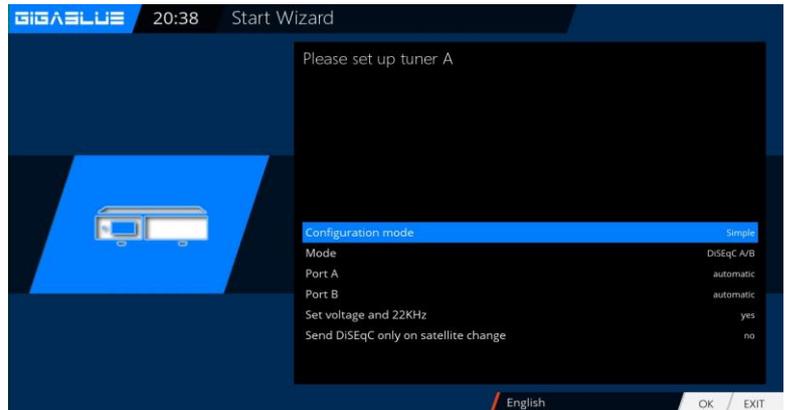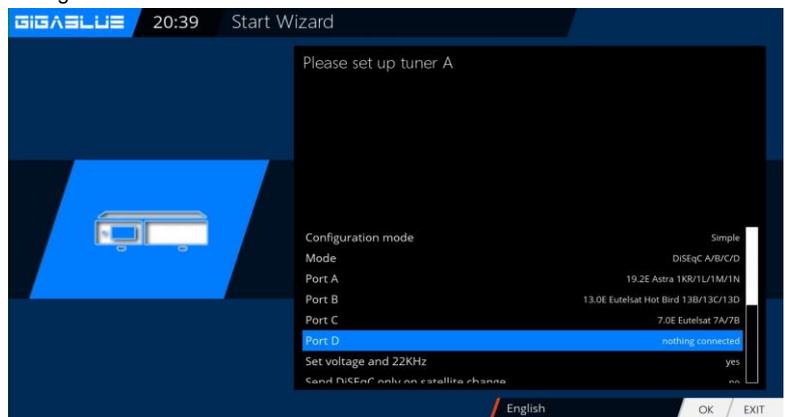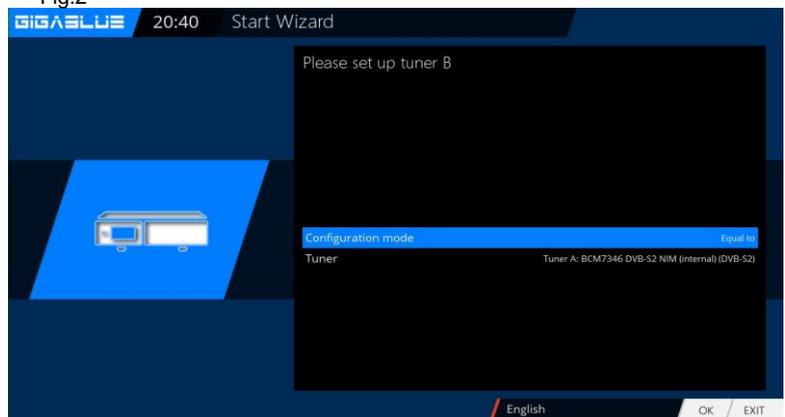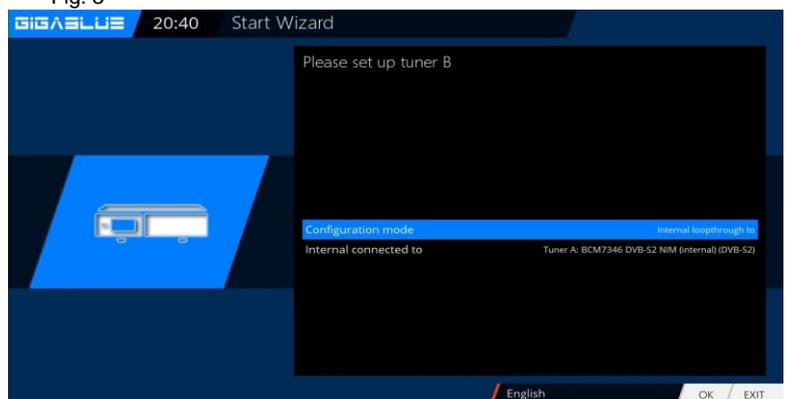**2. In classical operation, up to eight transponders of a plane could also be demodulated or e.g. three from one level and five from another level when both sat IF inputs are powered.**

3. Each demodulator could get a Unicable / JESS SCR frequency, so there are eight transponders to receive independently.FBC

Unicable / JESS for two Satpositions

Unicable: The respective settings must be adapted to the SCR system. **LNB 1** and **LNB 2** are to be adjusted to the aligned satellite system. Here in the example it is 13 ° East (Eutelsat) and 19.2 ° East (Astra). Unicable is to be selected under **LOF**. It must also be noted that the correct settings are made under **Unicable configuration** and **manufacturer.** If these pre-programmed settings do not agree with the installed components, select **Unicable User defined**, under the then menu item **Diction** Unicable [EN50494] must be selected. The remaining settings, such as channel and frequency must, however, be made manually. **The frequencies may only be assigned once for each connected tuner**; if this is ignored, interference will occur.

JESS: The settings for JESS can only be changed in **Unicable** User defined mode, then JESS [EN50607] must be selected under the then menu item **Diction**. The remaining settings, such as channel and frequency must, however, be made manually. **The frequencies may only be assigned once for each connected tuner**; if this is ignored, interference will occur.

Procedure: Settings can be changed via the control pad left / right.

1. Setting under tuner A for now LNB (LNB 1) e.g Astra 19.2°Ost

2. save

3. Setting under Tuner A for the second LNB (LNB 2)e.g Hotbird 13°Ost

4. save

5. Setting under tuner B for the first LNB (LNB 1) e.g.. Astra 19.2°Ost

6. save

7. Tuner B setting for the second LNB (LNB 2) e.g. Hotbird 13°Ost   Save

See Pages 56 to 62
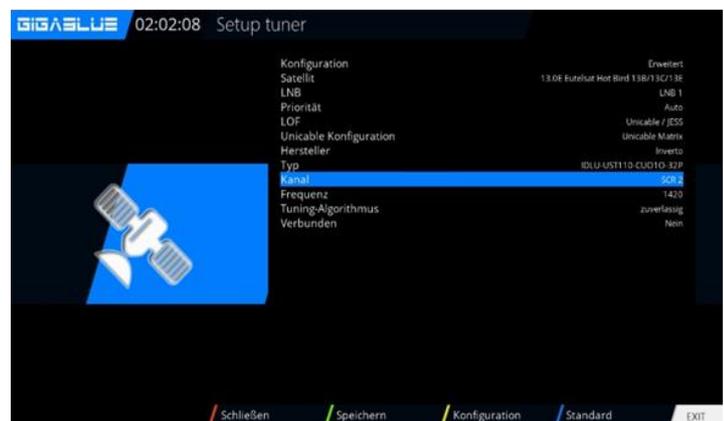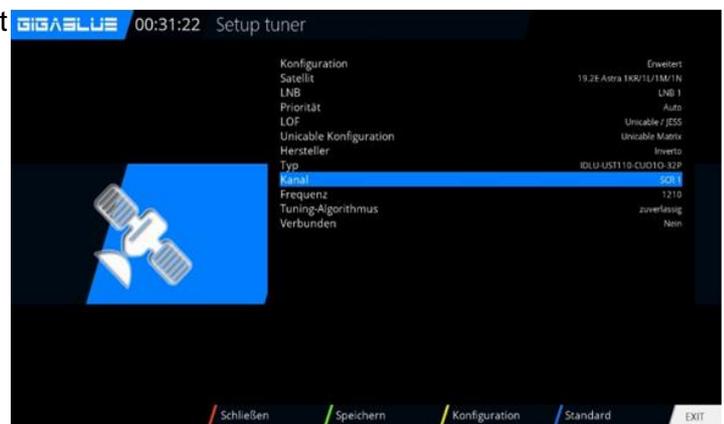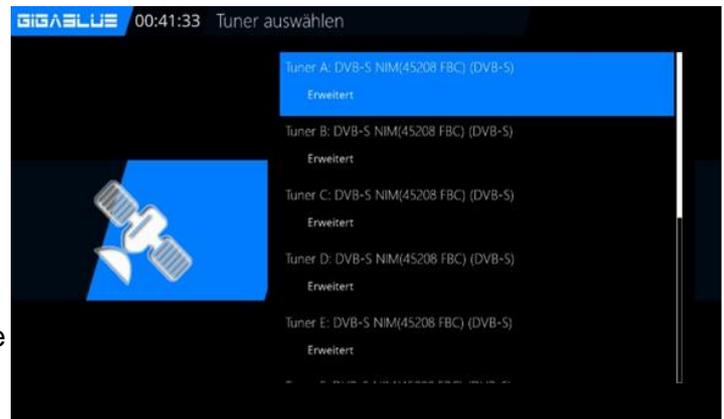
The first Start

Start wizard 6

If you have opted for the standard channel list, press OK. Fig.1.

Would you rather start an automatic channel search, select with the arrow keys ▼ ▲ No and you move to the next menu Fig.2.

You can also install channel list later Plugin Server

After installing 2x Green button Under Setting, select the desired channel list and install

Fig. 1

Fig. 2

Start wizard 6

GIGABLUE	3:19	Start Wizard

What do you want to scan?

Network scan	yes
Clear before scan	yes
Scan Tuner A (DVB-S2)	yes

English   OK   EXIT
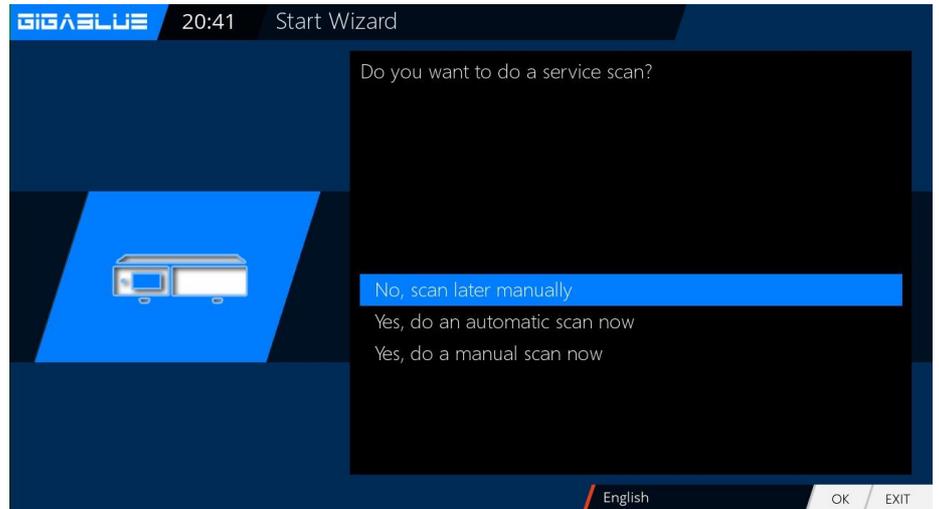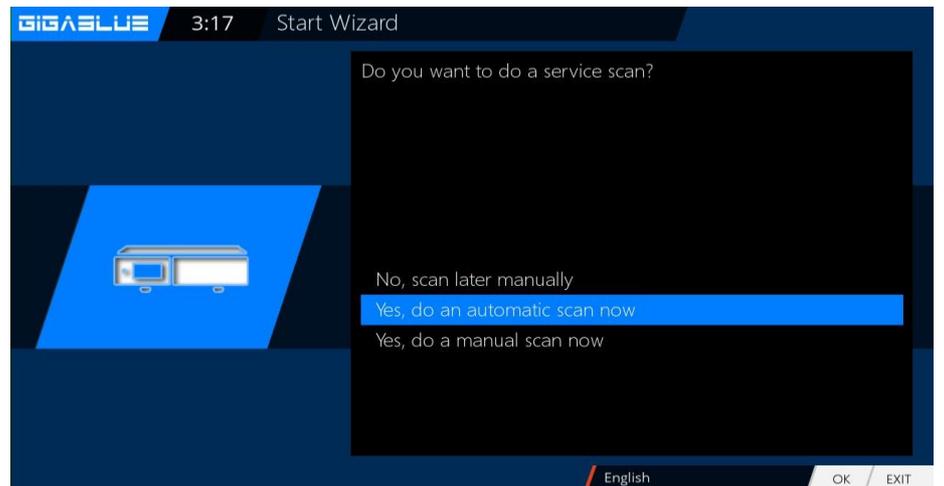
Fig. 1

Confirm your selection with OK Fig.1.

The channel search will start.

This process takes some time to Fig.2.

After the scan with OK

GIGABLUE	3:58	Service scan

Scanning - 2% completed, 0 channels found
19.2E Astra 1KR/1L/1M/1N

DVB-S2 8PSK 10803H / 22000 / 3/4
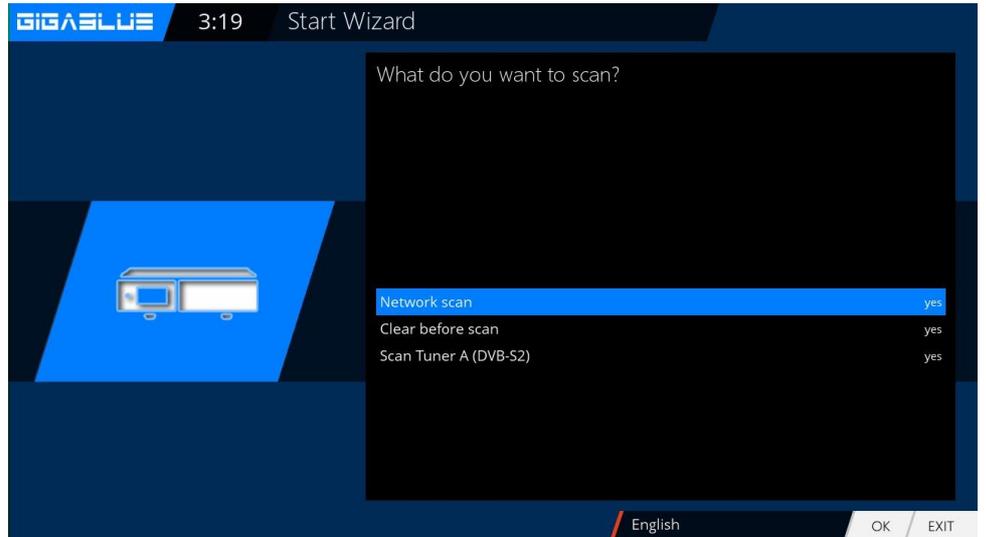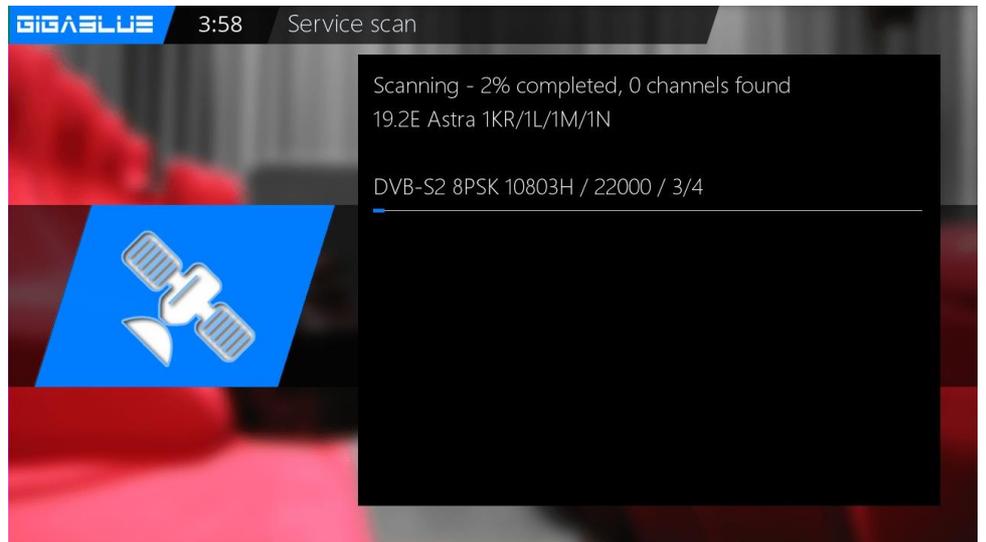
Fig. 2

To activate youth protection YES with arrow keys ▼ ▲ Confirm your selection with OK
If no **NO** with the arrow keys ▼ ▲ confirm your selection with OK and move to the next menu Fig.3.

GIGABLUE	21:31	Start Wizard

Möchten Sie Jugendschutz auf der GigaBlue Quad Plus aktivieren?

Nein
Ja

Deutsch   OK   EXIT
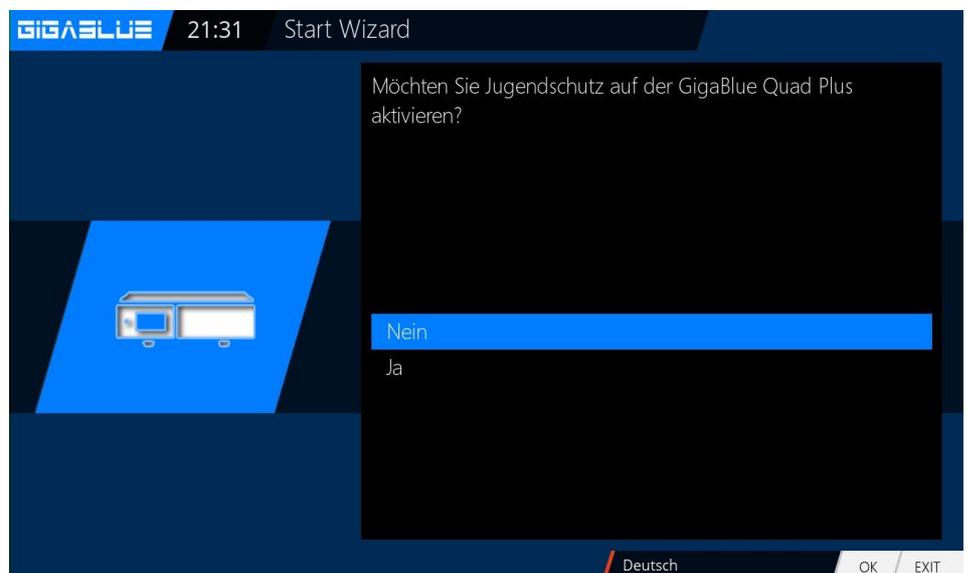
Fig. 3

Channel list install

If you have decided not scan during Installation. You can install the channel list of the GigaBlue Server. Channel list has been programmed by our team for you 2x Green button with arrow buttons ▼ ▲ Settings and confirm your choice with OK Fig.1.
Search channel list, for example. GigaBlue 19e-13e with ▲ ▼ arrow keys Confirm with OK and the channel list will be installed. Fig. 2. After installing your channel list has been installed.

GIGABLUE	20:43	Downloadable plugins

drivers
extensions
picons
settings
skins
systemplugins

OK / EXIT

Fig.1.

GIGABLUE	20:44	Downloadable plugins

gigablue-19e (1.0+git5)
Gigablue 19E
gigablue-19e-13e (1.0+git5)
Gigablue 19E 13e
gigablue-19e-13e-5e-75e (1.0+git5)
Gigablue 19e 13e 5e 75e
gigablue-19e-16e-13e (1.0+git5)
Gigablue 19e 16e 13e
gigablue-42e-19e-13e-7e (1.0+git5)
Gigablue 42e 19e 13e 7e
gigablue-hepsidijital (1.0+git5)
enigma2-plugin-settings-gigablue-hepsidijital version 1.0+gitAUTOINC+e7cf5ea4b9-r1
gigablue-kabel-bw (1.0+git5)
Gigablue kabel bw
gigablue-kabeldeutschland (1.0+git5)
Gigablue kabeldeutschland
gigablue-unity-media (1.0+git5)
Gigablue unity_media
gigablue-wilhelmtel (1.0+git5)
Gigablue wilhelmtel
hans-13e-19e-23e-28e (1.0+git64)
Hans 13E,19E,23E,28E

OK / EXIT

Fig.1.

Operation of GigaBlue Box

Turning on and off

The GigaBlue box, you can turn on or off with the **power button**.

Please press briefly the **power button** to the GigaBlue box into standby mode to set, either on the remote control or at the Box GigaBlue directly. The display then the time is displayed.

If the **power button** on the remote control is pressed for 3 seconds. Long, goes the GigaBlue

Box in the Deep Standby mode.

Importantly this is no OSD menu is active.

This you can select the menu under **Standby / Restart** and select off in the **OSD**. Confirm with the **OK** button. The settings are saved and the

GigaBlue Box goes into deep standby mode. This means that the GigaBlue box is supplied with a minimum current. In this menu you get even if the **power button** is pressed for 3 sec.

In order to disconnect the GigaBlue Box from the power, put your box in the Deep standby and then press the Power switch on the back.
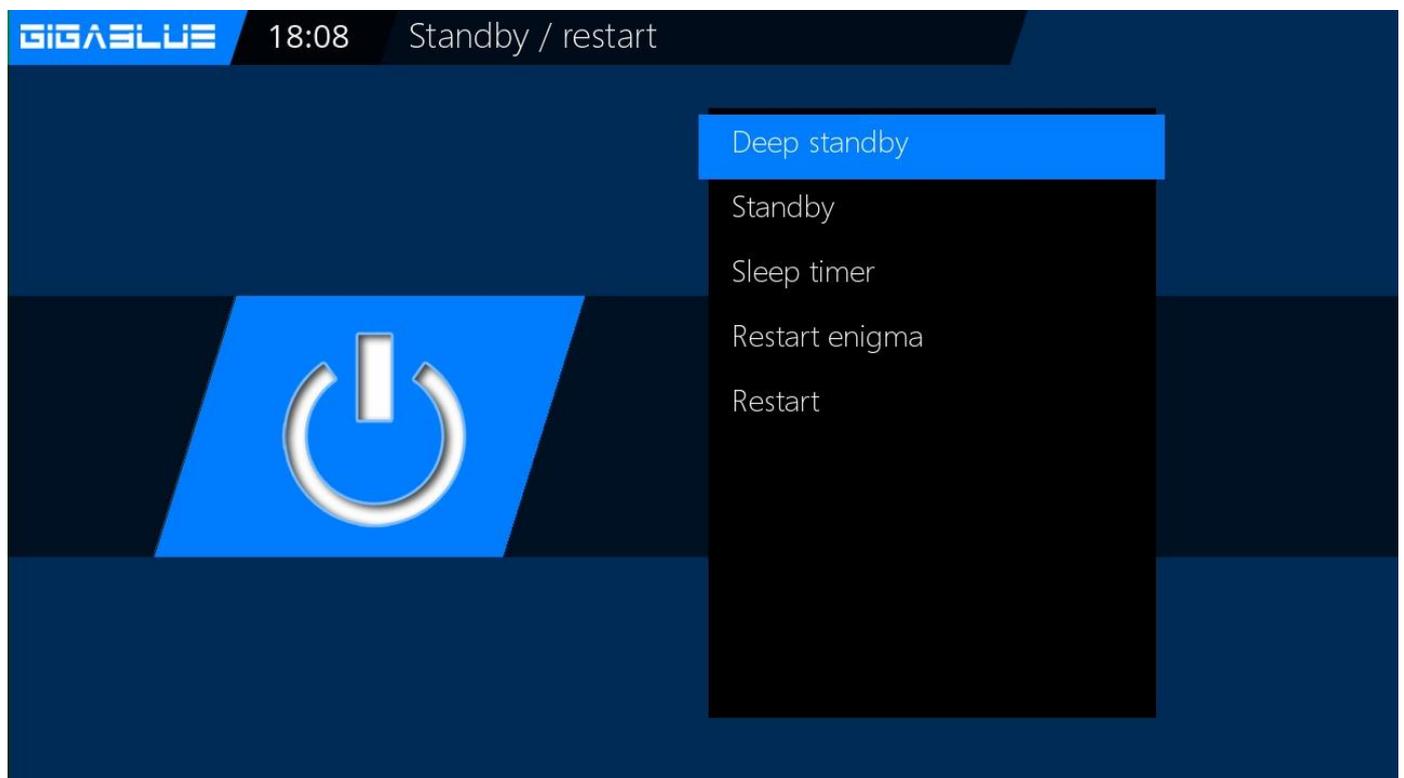
Operation of GigaBlue Box

Program selection

Press the arrow buttons ▲ ▼ on the remote control GigaBlue
Box it opens the channel list.
Now navigate the arrow keys ▲ ▼ to the desired channel and
press OK, it will be switched to that channel.

RED Button to watch all Channels
GEEN Button will be open Satellite List
YELLOW Button will be open Satellite List
BLUE Button will be open Favorite List

GEEN Button will be open Satellite List
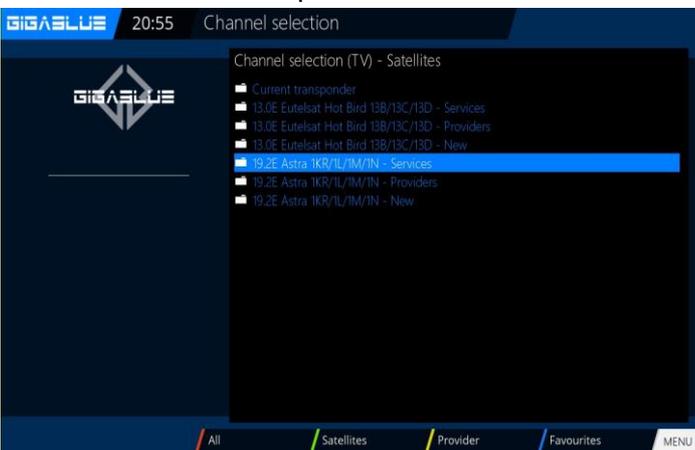
BLUE Button will be open Favorite List
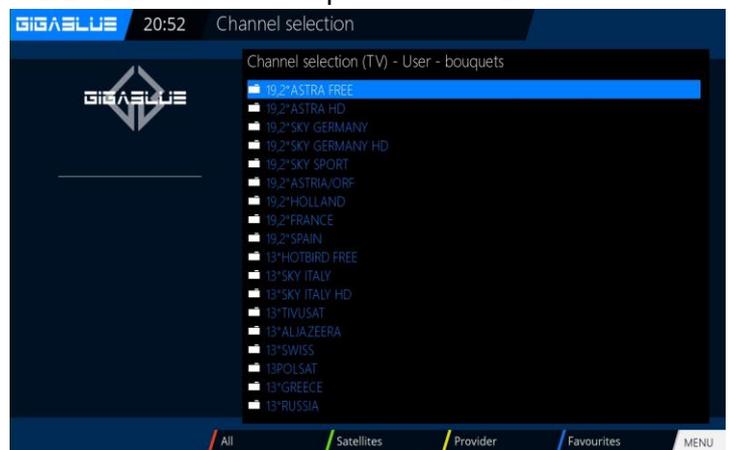
YELLOW Button will be open Satellite List

RED Button to watch all Channels
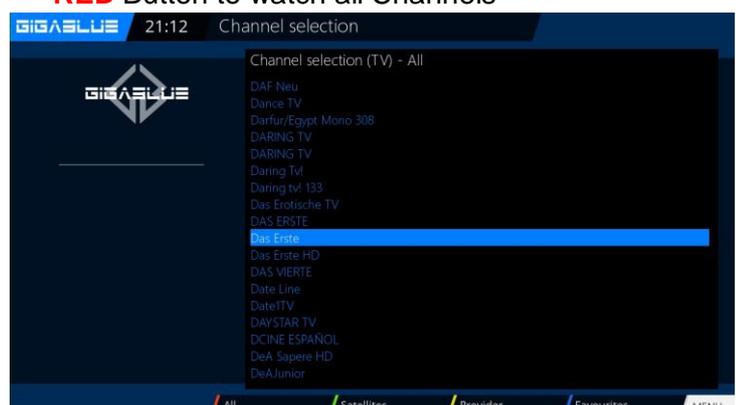
Operation of GigaBlue Box

Volume / Audio selection

Use the arrow keys ▲ ▼ to adjust the volume with **VOL** ▲ ▼ to increase and to decrease the volume.

When you press the **MUTE** button, the sound is muted and an icon appears on the TV. Pressing the **MUTE** again

Mute the sound is switched on again and symbol disappears.
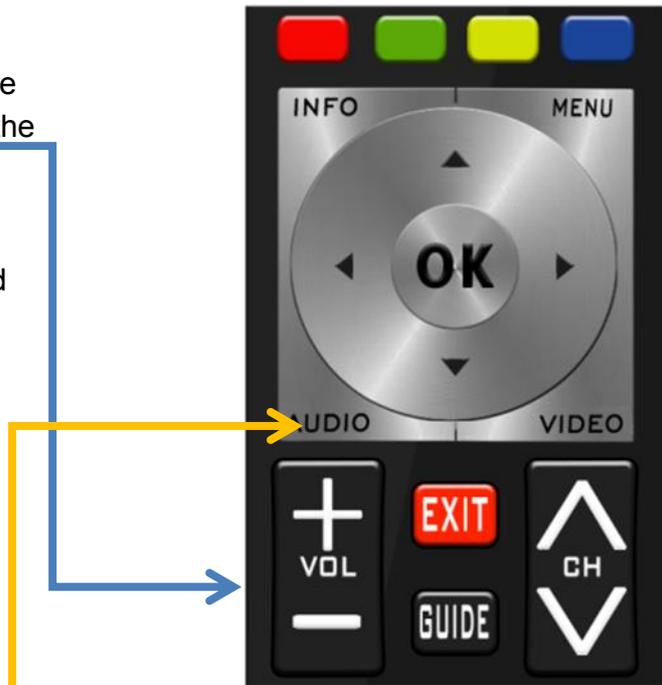
In TV or radio mode, you can select the **Audio** / YELLOW button to the soundtrack of the channel.

Navigate with the arrow keys ▲ ▼ to the desired track and press the **OK** button.

The content of this menu depends on the selected channel.

Operation of GigaBlue Box

Sub channels

If you are on a channel which broadcasts sub channels, such as Sky, you may select this with the **GREEN** button.

When pressing the **OPT (option)** in TV
Mode, you see a list of
Sub channels. Move the
▼ ▲ keys to the desired
Sub channel and confirm with OK.

Use the arrow keys ◄► to switch to the next sub channel

TV Radio Switch

With the **TV / RAD** button, you enter the radio mode. You can leave it again with the **TV / RAD** or **EXIT** button.
You can also see at the bottom of the current and next program.
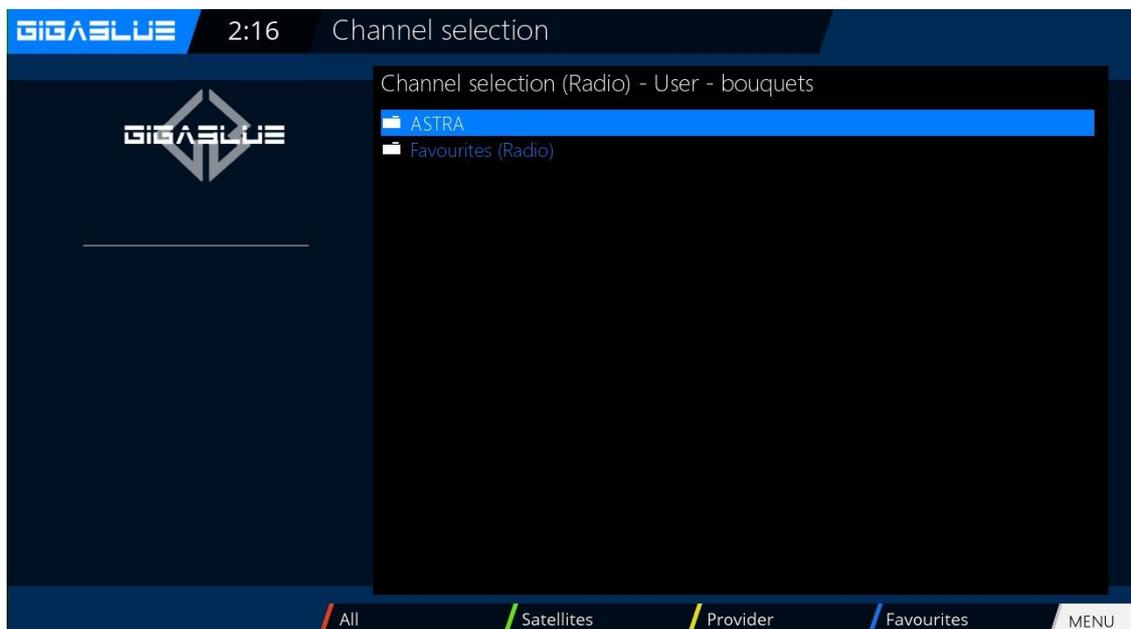
Operation of GigaBlue Box

Teletext

With the **TXT** button to enter the teletext display this you can leave with **EXIT** button. Select the corresponding your page. The assignment of the below
Keys can be different, as the Teletext is transmitted. The display of the function is displayed on the bottom of the screen.

RED   Button
GEEN   Button
YELLOW   Button
BLUE   Button

At a break, use the numeric keypad on the remote control.

Subtitle

When the teletext symbol appears on the menu are available subtitles (channel-dependent).

Program Information`s

Program Information's

When a program changes you receive the following information in the lower part.

This is on the OK button repeatedly accessed.

PAY TV   HBBTV   Teletext   HD   FBC TUNER   WETTER

Clock time   Subtitle   Recording

Program Number   Program Name

Program Logo   Next Broadcast   Aktuelle Broadcast   Progress   Signal Level   Resolution   CI Slot   Remaining Time
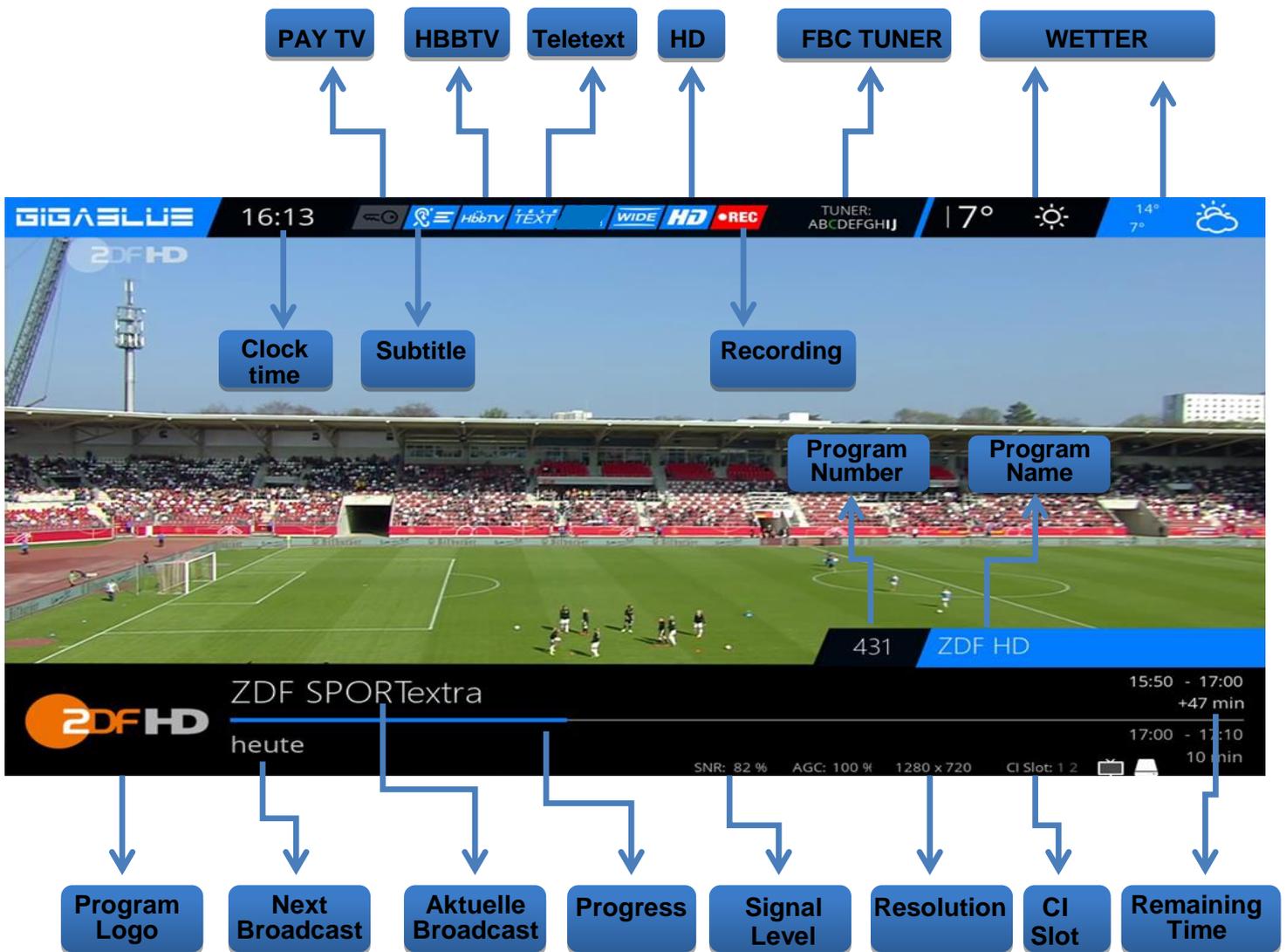
Symbols and their meaning

Teletext information is available on this channel

Channel is scrambled

UHD   Broadcast in Ultra HD

REC   Program will be recorded

EPG of GigaBlue Box

Program Information's EPG

By pressing the **INFO** button can
From the running TV program Information about the film / consignment learn.
By pressing the arrow keys ◄► you get information about the next shipment.
By pressing the **YELLOW**, **BLUE** or **RED** key to access the simple EPG of the transmitter or Multi EPG. Will be described below Fig.1.
Here in simple **EPG** you get Information rundown of Channel. You can press the **YELLOW** key to A-Z or time sort. Navigate with the Arrow keys ▲ ▼, when you press the **INFO** button to get information for each program Fig.2.
If you select **multiple bouquets** (**Page 44**) allow to put yes who appears as the first one Selection of bouquets. Decide You are interested in the bouquets for you a Multi EPG to display. You now get an overview of the current channels.
Links will of history Broadcast graphed. In the right column shows the name of the channel. With the **OK** button you will receive Information on the individual Broadcast.
Navigate with the arrow keys
▲ ▼ to your channel and press the **RED** button to access this channel to Change Fig.3.

Fig.1

Fig.2

Fig.3

EPG

Here you get an overview of the subsequent broadcasts. You can add entries up to a week to see (transmitter dependent). Furthermore, you can use the timer function here.

Press the **GREEN** button Fig.1 You can set the timer and the Timer Menu. Here you record and change the selection. Furthermore, you can daily, weekly, put Mon-Fri, and custom timers.
To accept, press the **GREEN** button. Now you can see that the timer for the program has been set. Fig.2

Fig. 1

Fig. 2

Create Bouquet

What is a bouquet and what can that mean?
When you open your browser, you will definitely have websites that are visited by you, they have you determined your favorites stored under a folder to start it later quickly. The principle at the bouquet is exactly the same. Do you want to have all your sports channels in a folder, create a bouquet and copy the individual channels of the bouquet. Must be to create the bouquet option under **Customize** on Several Bouquet allow set to **YES** (page 44). **Create Bouquet** is described below.

Note: Channels can be erased only in the Favorites view. Channels in the All cannot be deleted. This serves the purpose of which there is a list of the always all channels.
If you will perform a search, all channels are all stored in the view. Your previously created bouquets, remain unaffected.
Press the arrow buttons ▲ ▼ on the remote control. This opens the channel list. Then press the **BLUE** button **FAVOURITES** Fig1.
Now press the **Menu** button and you will see the channel lists menu Fig.2.
Please choose **add bouquet**
Assign the name for the new **bouquet**, in our case, test Fig.3.
Confirm with **OK** and you will see your created Bouquet Fig.4.
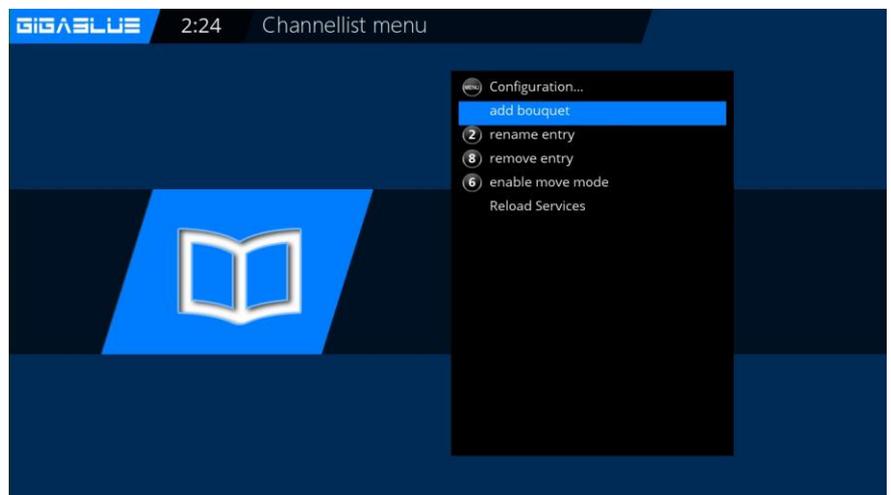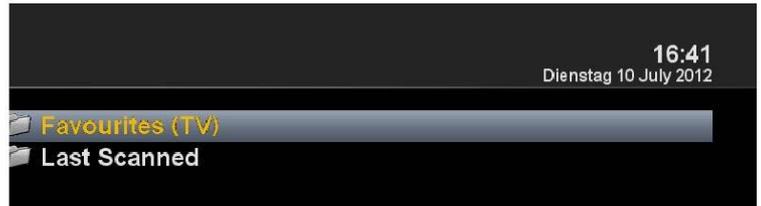To create additional Bouquet proceeds as described above.

Fig. 2

Fig. 4

Fig. 3

Add channels

You can add from the **All**-, **Satellite**- and **Providers view** list the channels to your favorites list. By using the **RED**, **GREEN** and **YELLOW** button, go to the respective menu. We explain the add reference to the previously created test bouquet and by all views of multiple channels.

Press the arrow keys ▲ ▼ This takes you to the channel list, select a channel from the one bouquet you want to add, for example, Das Erste. Next, you press the Menu key, select item to **add bouquet.**

Select the bouquet created (in this case, German HD) and presses the **OK** button, the selected channel is added to the bouquet. Fig.3
When you add more channels, proceed as follows.
Go to your created bouquet (in this case, German HD), press **Menu** button.
Navigate to enable the arrow keys ▲ ▼ to the point **bouquet edit confirm** with **OK** Fig.4.
This takes you to the channel list.

Fig. 1

Fig. 2
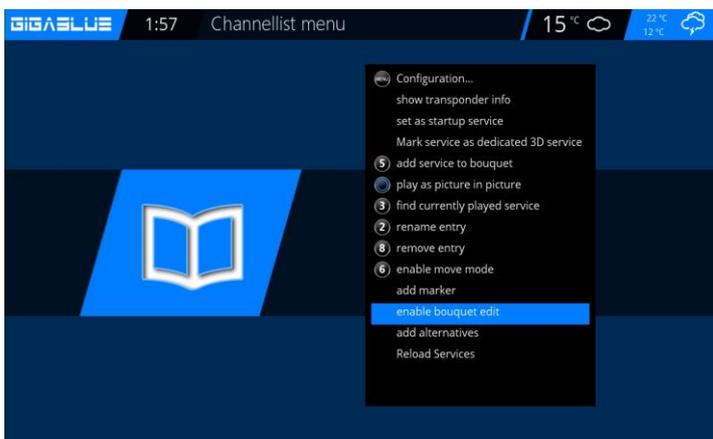
Fig. 4

Fig. 3

Operation of GigaBlue Box

Add channels

Fig. 1

Use the arrow keys ▼ ▲ to select channels and press the OK button, the channels are highlighted RED Fig.1.

Proceed in this way until all the channels to add to your bouquet, and press the **Menu** button. After all selected channels in your bouquet Fig.2.

Quit now Bouquet Editor Fig.3 mode by pressing the **OK** button. All channels previously selected are now in the bouquet. Proceed with the other bouquets in the same order.
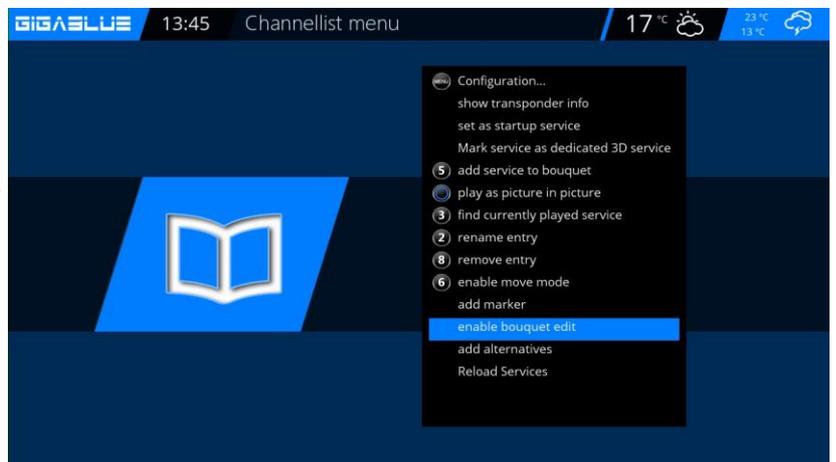
Fig. 2
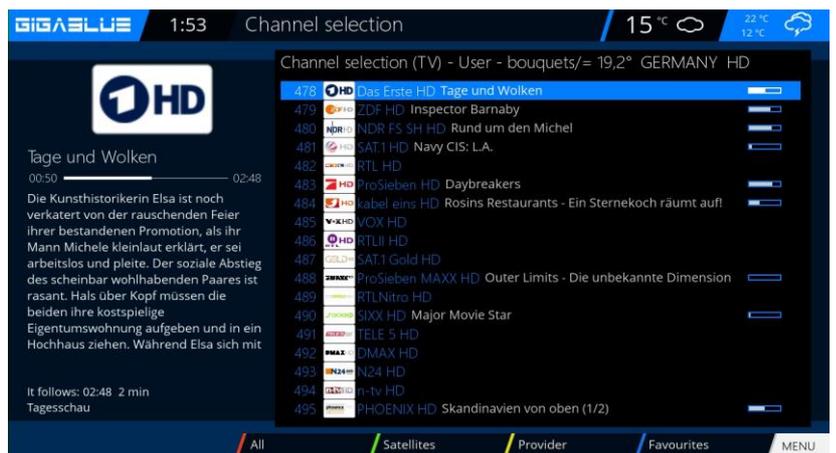
Fig. 3

Delete channels from the favorites list

Use the arrow keys ▼ ▲ to enter the channel list. Press the **BLUE** button to display in your favorites list, and then select the bouquet of where the channel is to be deleted. Select the desired channel for deletion Fig.1.

Press the Menu and select **Remove entry from** Fig.2 confirm **OK** and the channel from the list away Fig.3.

Fig.1
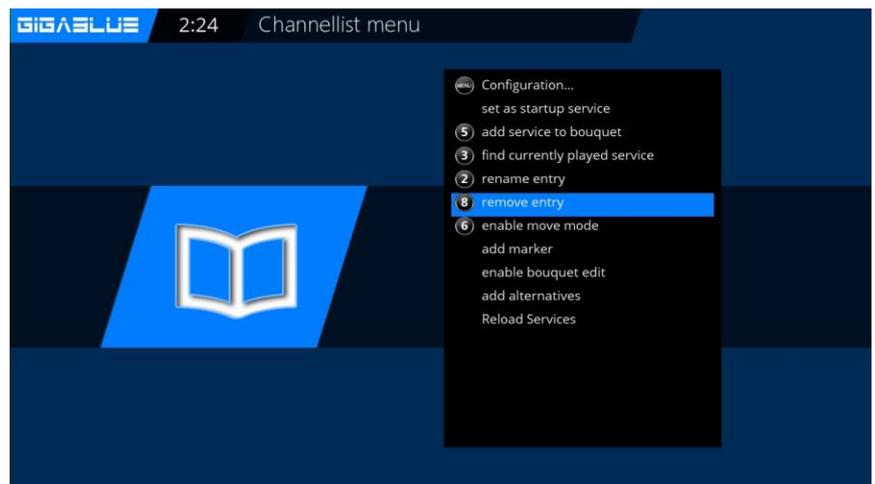
Fig. 2

Fig. 3

Move channels from the favorites list

Use the arrow keys ▼ ▲ to enter the channel list. Press the **BLUE** button to display in your favorites list, and then select the bouquet of where the channel is you want to move.
Press the **Menu** button and select **Activate move mode**, you press **OK** Fig.1
Now proceed with the arrow keys ▲ ▼ to the channel you want to move,
Select channel by pressing the OK button
Channel is highlighted in **RED** Fig.2.

Now move the channel to the desired location
and press the **OK** button Fig.4. If all the channels on the desired location are pressing the Menu key and exit the **Move mode** Fig.5.
Now move the channel to the desired location and press the OK button Fig.4.
If all channels are at the desired location, press the Menu key and exit the Move mode Fig.5.Now move the channel to the
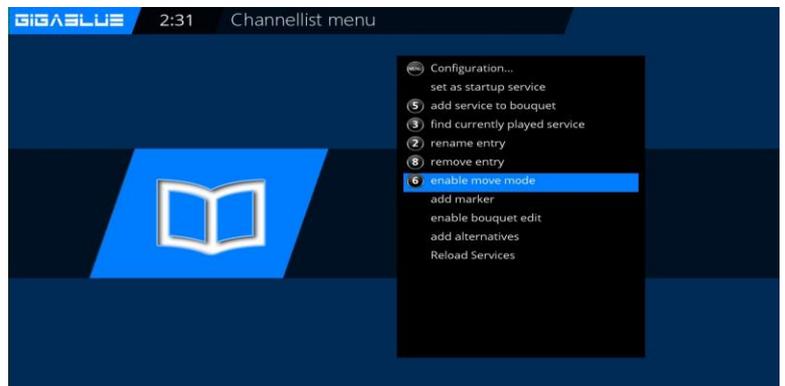
Fig. 1

Fig. 2
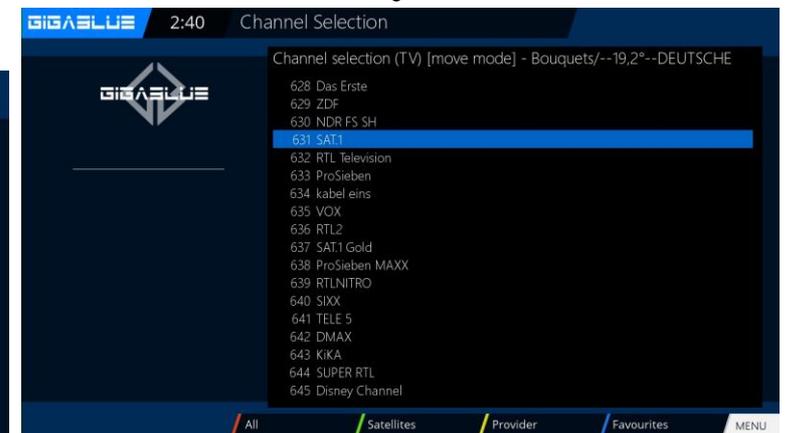
Fig.3
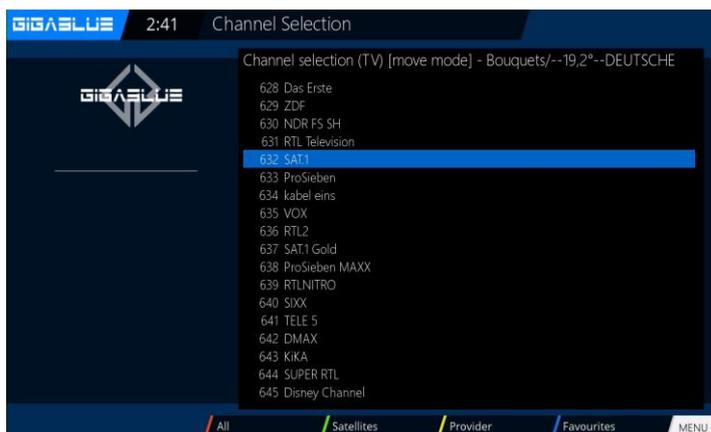
Fig. 4
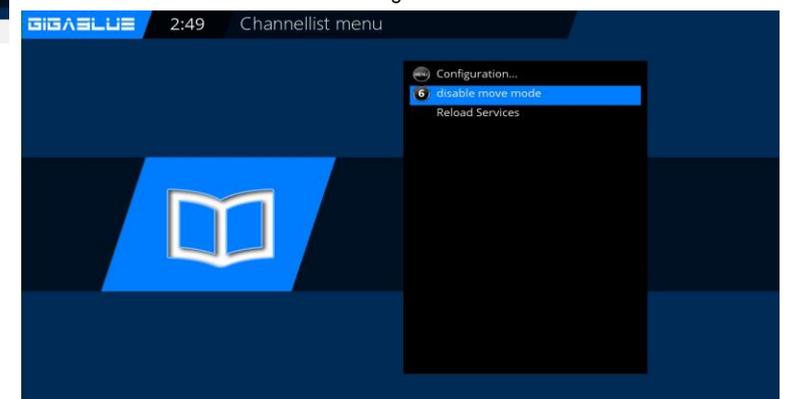
Operation of GigaBlue Box

Insert Marker

Use the arrow keys ▼ ▲ to enter the channel list. Press the **BLUE** button to display in your favorites list, then select the bouquet from where you want to insert a marker. Navigate to the location where the marker is to be placed. The marker will be added above the selected channel.

Press the Menu key and select **Insert markers** confirm with **OK** Fig.1.

Enter the marker name. Please fill in the numeric keypad; it can be used numbers and letters Fig.2. When you are finished, press the **OK** button and the marker will be dropped Fig.3.
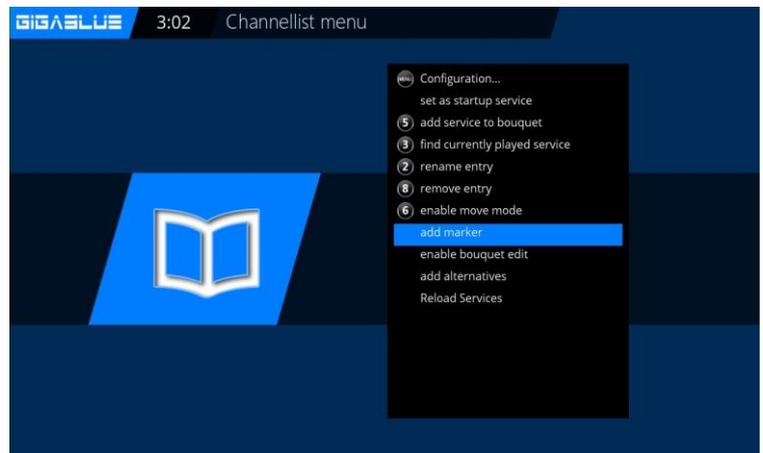
Fig. 1
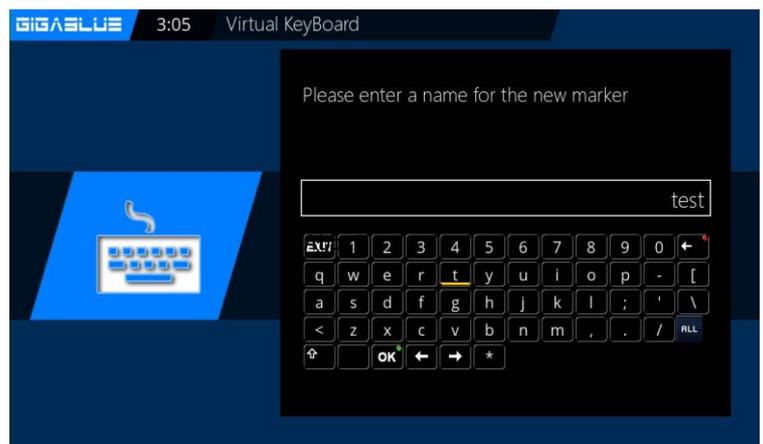
Fig. 2
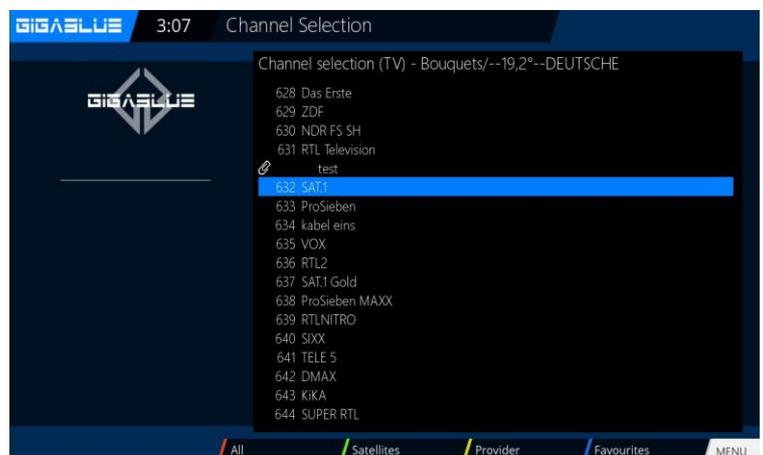
Fig. 3

Parental control
Setting the protection of minors

This describes how the protection of minors will be activated and set at the GigaBlue box.
Go into the **Settings menu** and select **parental protection** from Fig.1.
You can now choose positive or negative list.
The positive list means that any non-parental control list added channels will be blocked.

The negative list, however, means that all of the added to the parental control list will be locked.

Change Pin code

If you want to change the PIN code press OK Fig.1.

You are prompted first to enter the old PIN is 0000. in the ground state Fig.2

Now enter the new PIN and repeat it Fig.3.

Were different pins enter the message in Fig.4, otherwise if everything was entered correctly, the message appears in Fig.5 and confirm with **OK**.
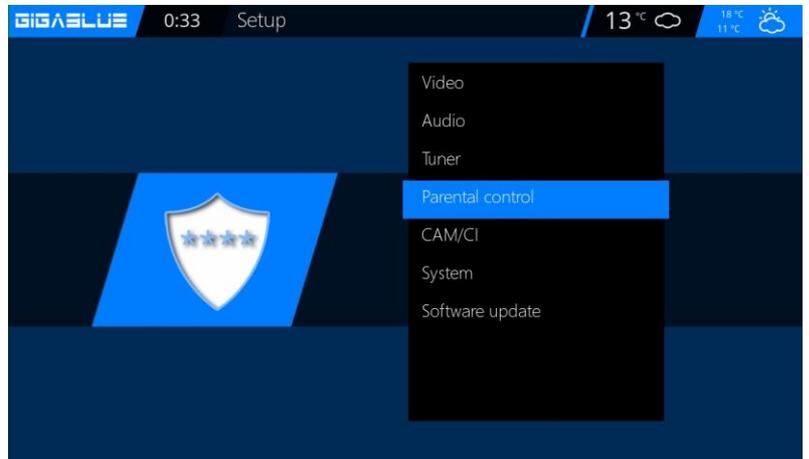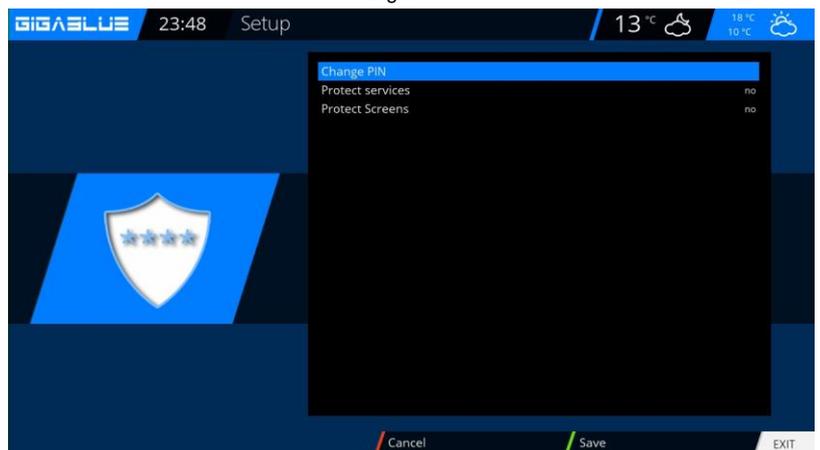
Fig. 1

Fig. 3
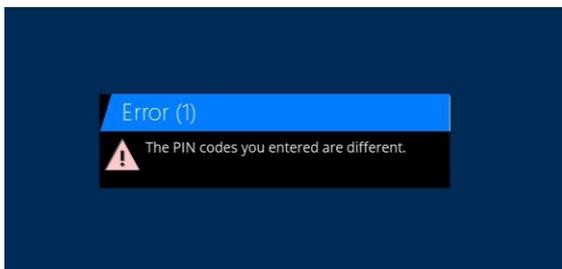
Fig. 4
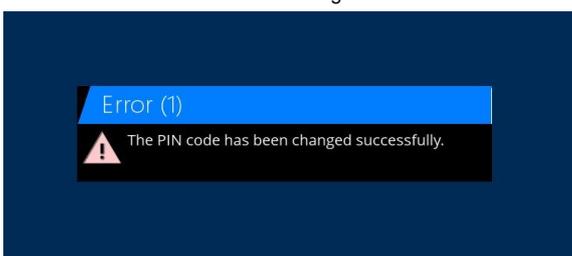
Fig. 5
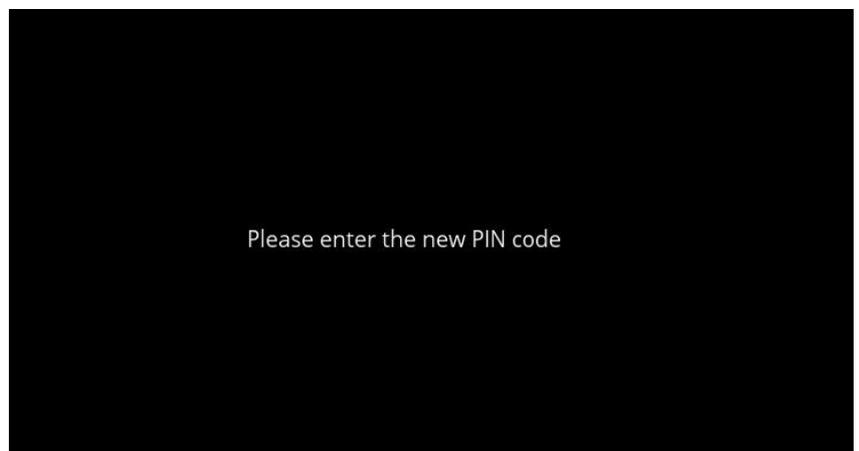
Parental Protection

Lock Channels

Go into the **Setup menu** and select **parental protection / protect services** and change to **YES** use the arrow keys ◄► Fig.1.
You can now choose positive or negative list. The positive list means that any non-parental control list added channels will be blocked.
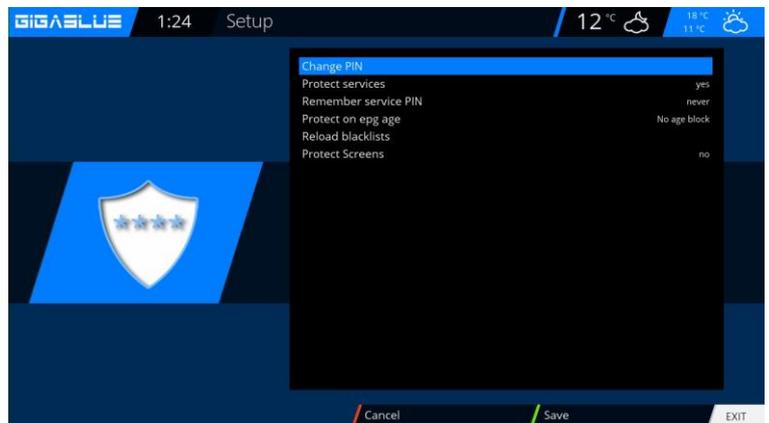
Lock Screens

Go into the **Setup menu** and select **parental protection / protect screens** and change to **YES** use the arrow keys ◄► Fig.1.
You can choose which want to lock menu.
To lock **YES** select, use the arrow keys ◄► Fig.1.
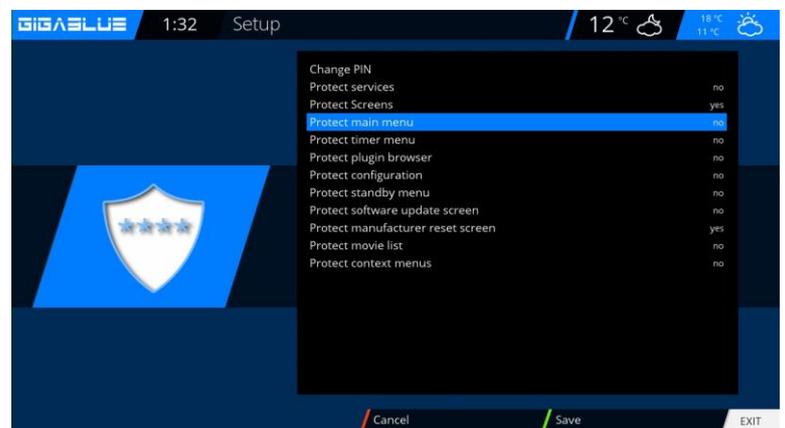
Lock Channels

Now go **to Channel List** Press Menu button and go to **add to parental protection** to lock channels and press **OK**. Fig.1

Press the **OK** button and the station will be provided with a lock Fig.1. If you want to lock multiple transmitters proceed as described.

Press the EXIT button and accept the settings with the GREEN button.

Will now try the protected channel Open will be asked for the PIN code Fig.2. You have to 3 attempts, the Pin 3 should times are entered incorrectly, you will need 15 Minutes wait until you try it again can
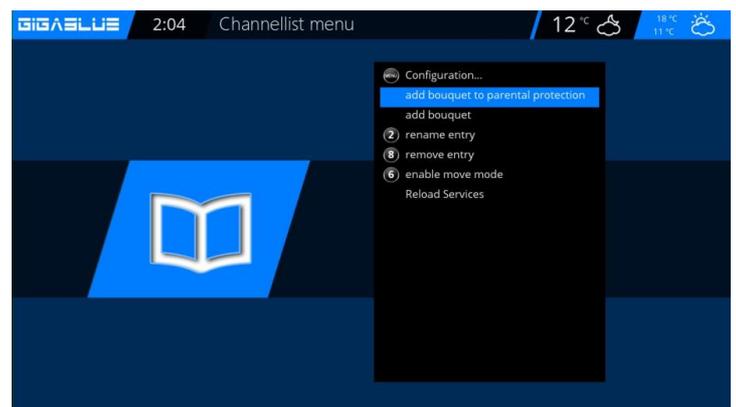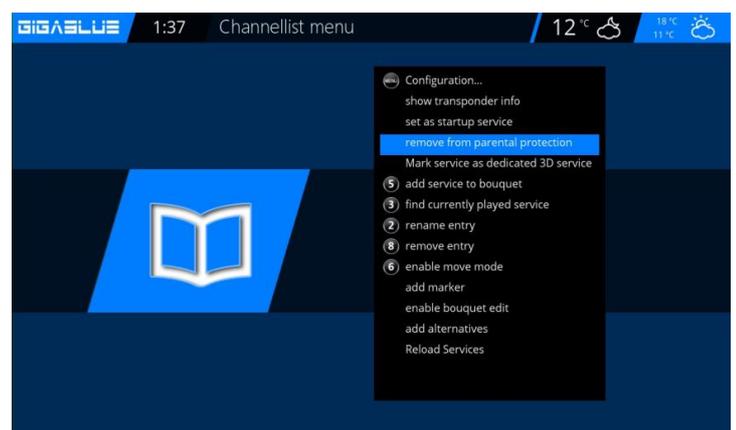
Parental Protection

Lock Bouquets

Now go **to Channel List** / **Bouquets** (Blue button) Press Menu button and go to **add bouquet to parental protection** to lock bouquets and press **OK**. Fig.1
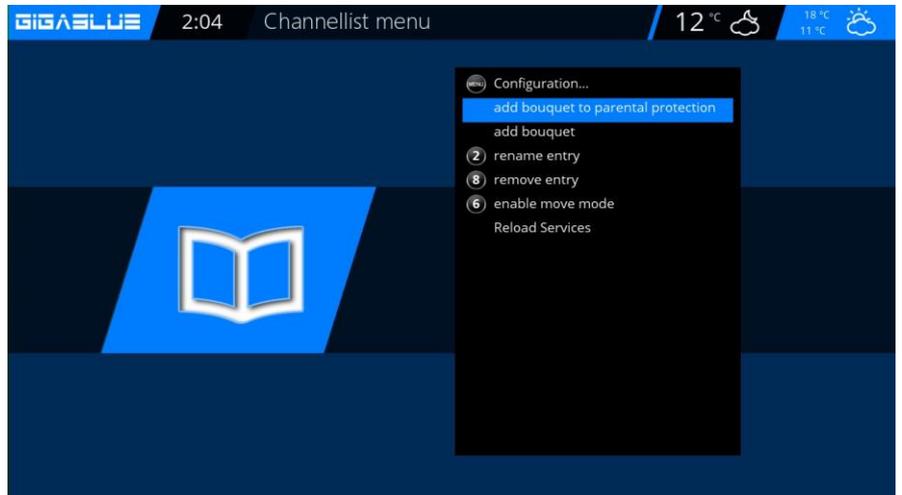
Fig. 1

Protect settings Youth Protection

If parental controls are protected, this point must be set to yes, then after entering the pin's in the Parental menu Fig.1.
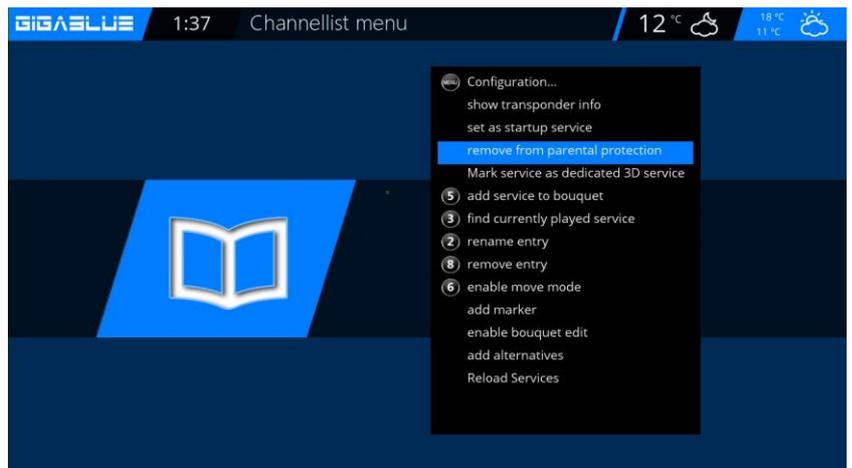
Fig.1.

HDD Operation

You have the option at the box GigaBlue an external hard drive to the USB port or to connect to the internal e-SATA. It is automatically detected. You can record programs, take pictures, music and the media player (must be installed optionally) play.

Commissioning of the HDD

Change to the menu / Setup / System / Device / storage devices Fig.1.
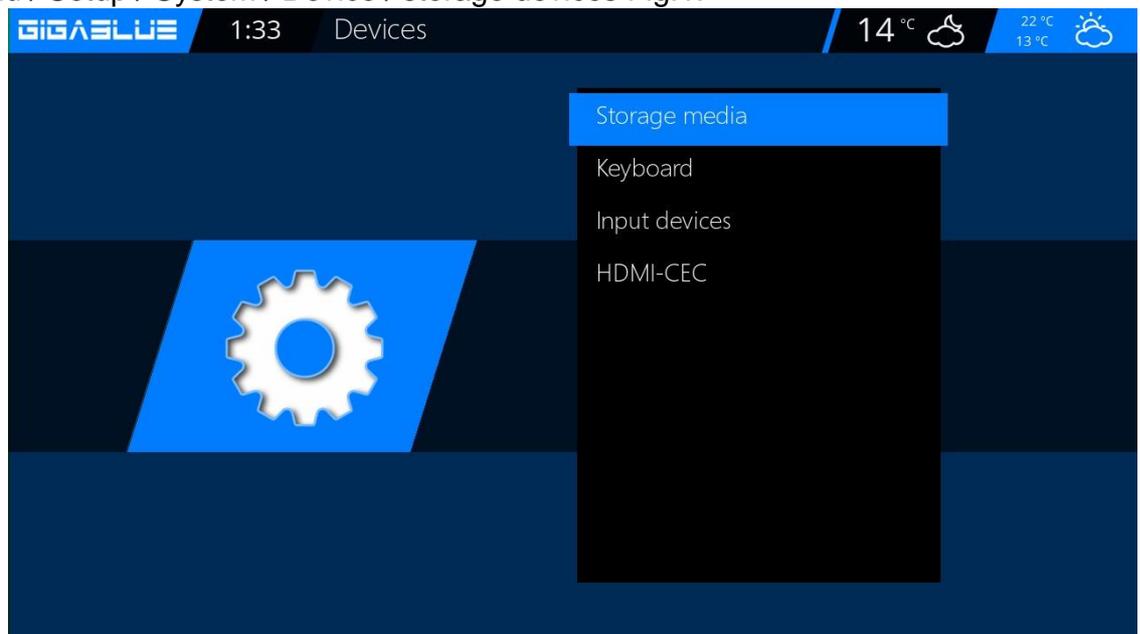
Fig. 1
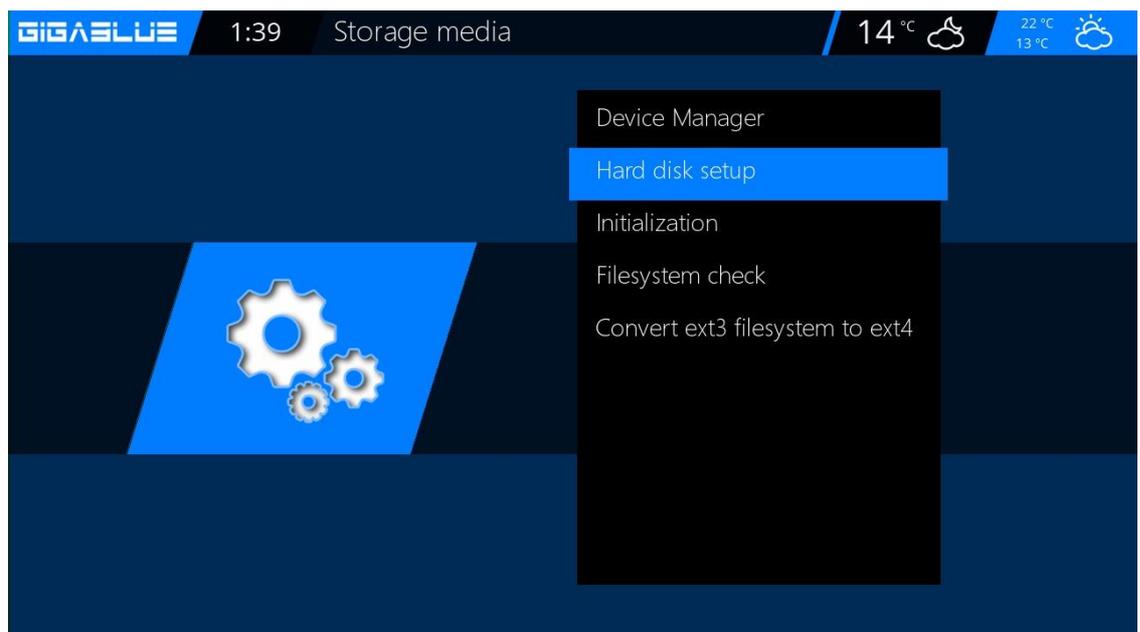
Fig. 2

HDD Operation

Commissioning of the HDD

You can adjust the behavior of the HDD in standby mode. Abb1.

The following settings are available:

No standby
10,20,30 minutes
1,2,3,4 hours

Select your setting and this with the **GREEN** Button from Abb1.

Next, the HDD initialize (format) has to be, select this item and confirm with **OK** Fig.2.

Now select your hard drive and confirm with the **OK** button.

With the **RED** button to start the initialization process Fig.3, this may take some time.
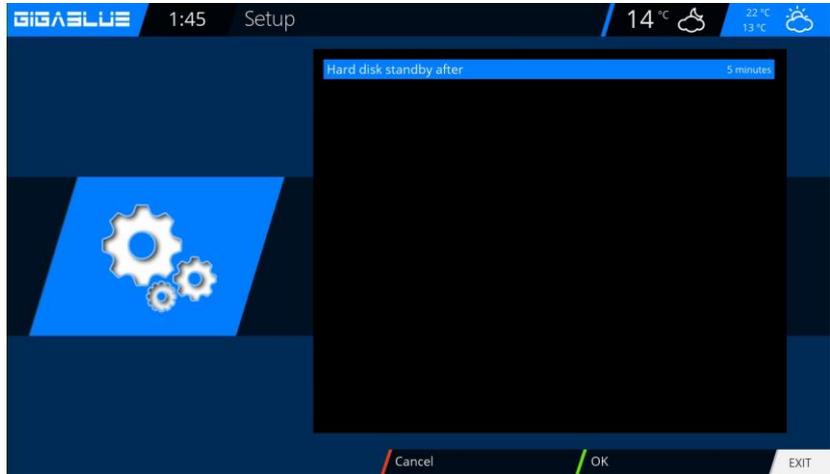
Fig. 1
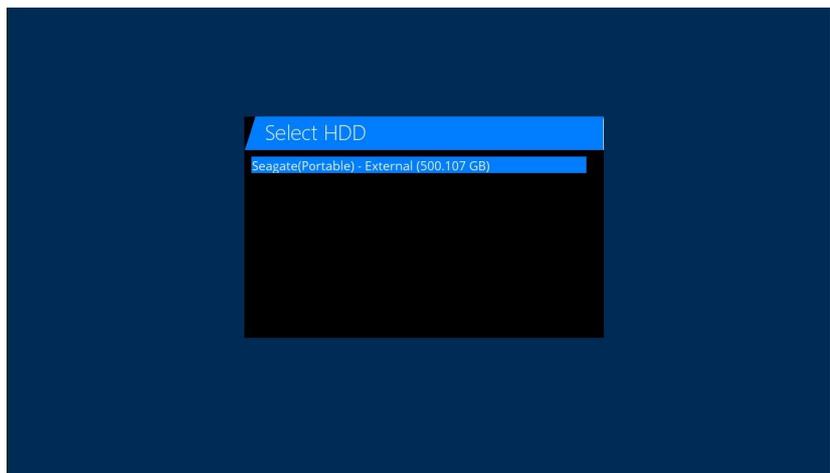
Fig. 2
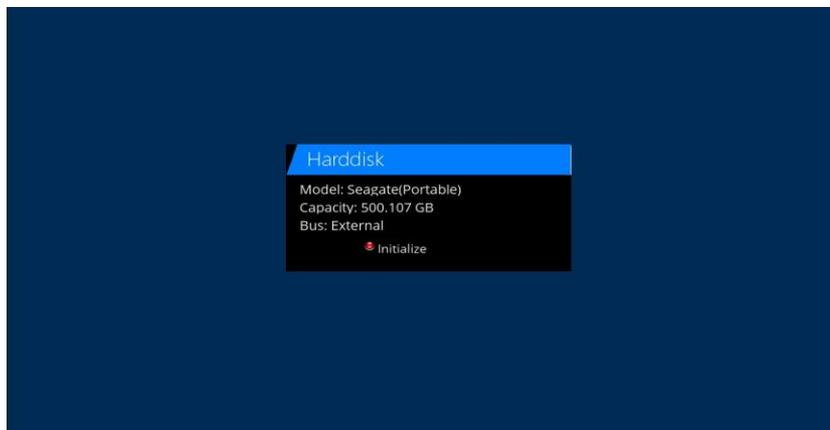
Fig. 3

HDD Operation

Commissioning of the HDD

If you ever have the feeling that your hard drive me something should not be in order, so they can use the
File system check test Fig.1. Confirm with **OK** and start the program with the **RED**
button Fig.2.
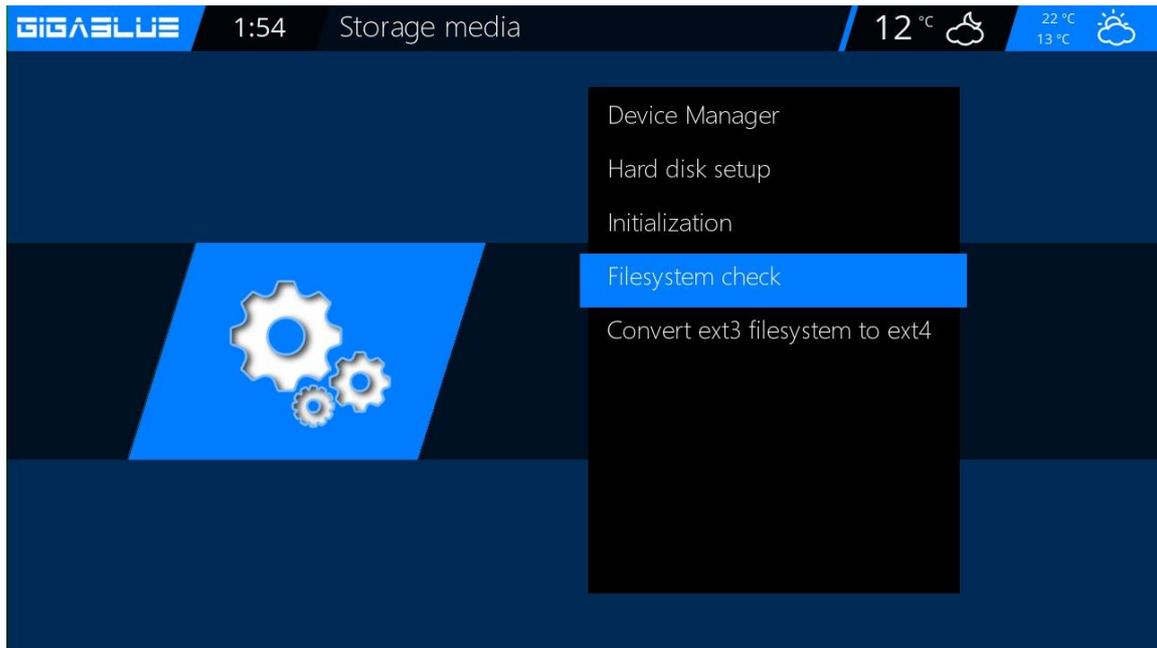
Fig. 1
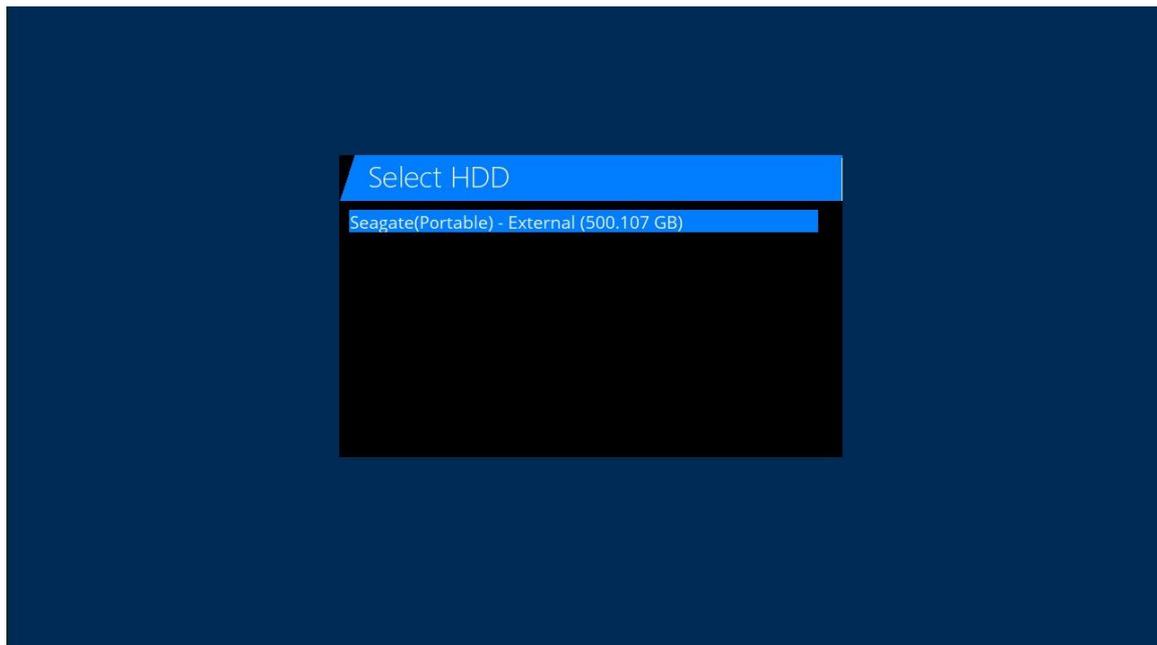
Fig. 2

HDMI CEC

HDMI-CEC

Menu/Setup/System/Devices/HDMI-CEC

With the arrow keys ▲ ▼ ◄► you can switch on HDMI-CEC and with the **YELLOW** key specify the address and save with **OK**
Important Turn on HDMI-CEC also with your LCD TV.

HDMI CEC
With the help of the HDMI CEC (Consumer Electronic Control) standard you can connect devices that are connected via an HDMI cable and this standard
support, with a remote control. If your TV set has the HDMI CEC standard, your TV will automatically switch on / off when you switch the receiver on / off.
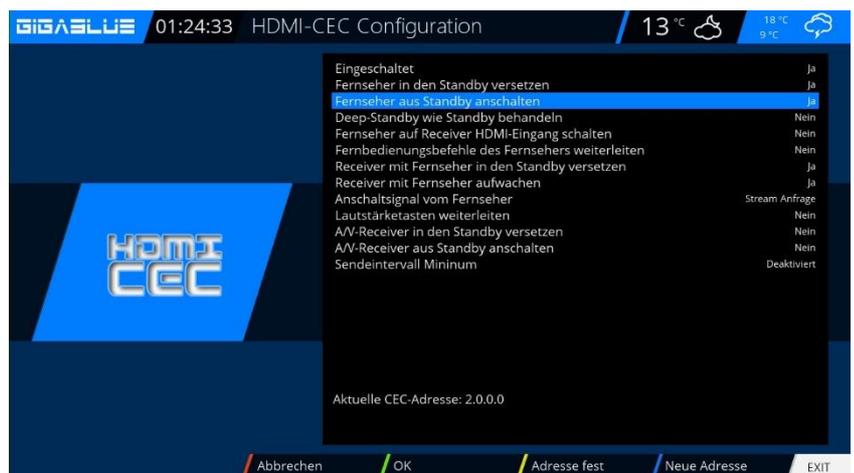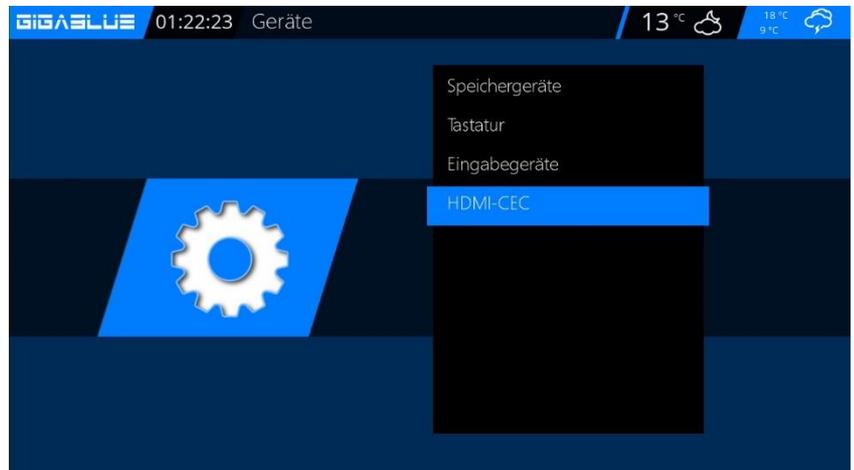
Sleep-Timer

Press the Power button on the remote for 3 seconds Abb1 and click OK.

Here you have the following options by pressing the keys mentioned Fig.2:

RED button Enable / Disable

GREEN button switch of / Standby

YELLOW button demands Yes / No

BLUE button time off the current
Take over Program
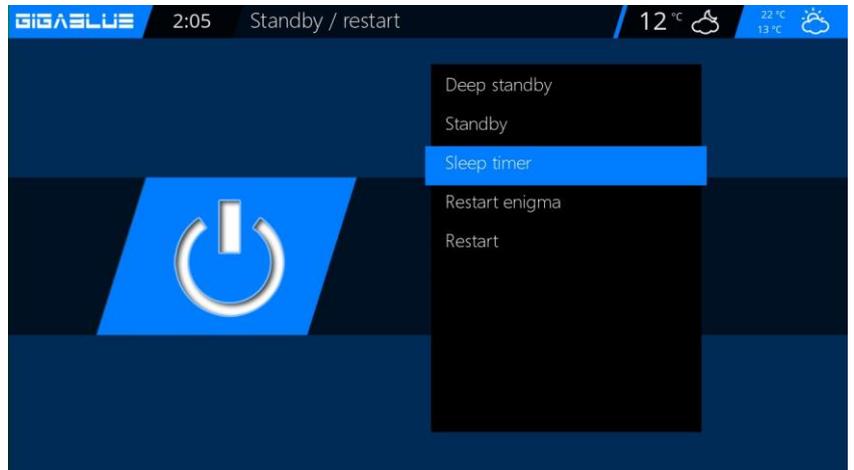
If you have made all settings, press the OK button and the following message appears

.
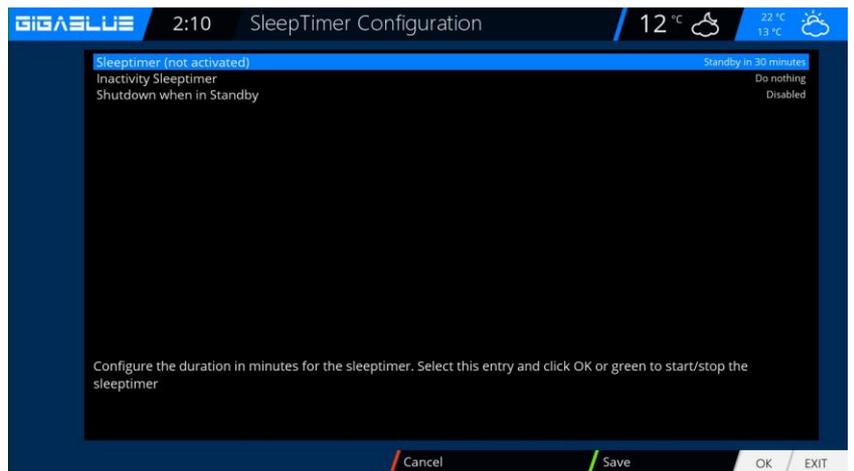
Fig. 1

Fig. 2

Operation Language selection

Language selection

Go to the menu

Setup / System / User interface / language

There will be different languages to choose from shown Fig.1.
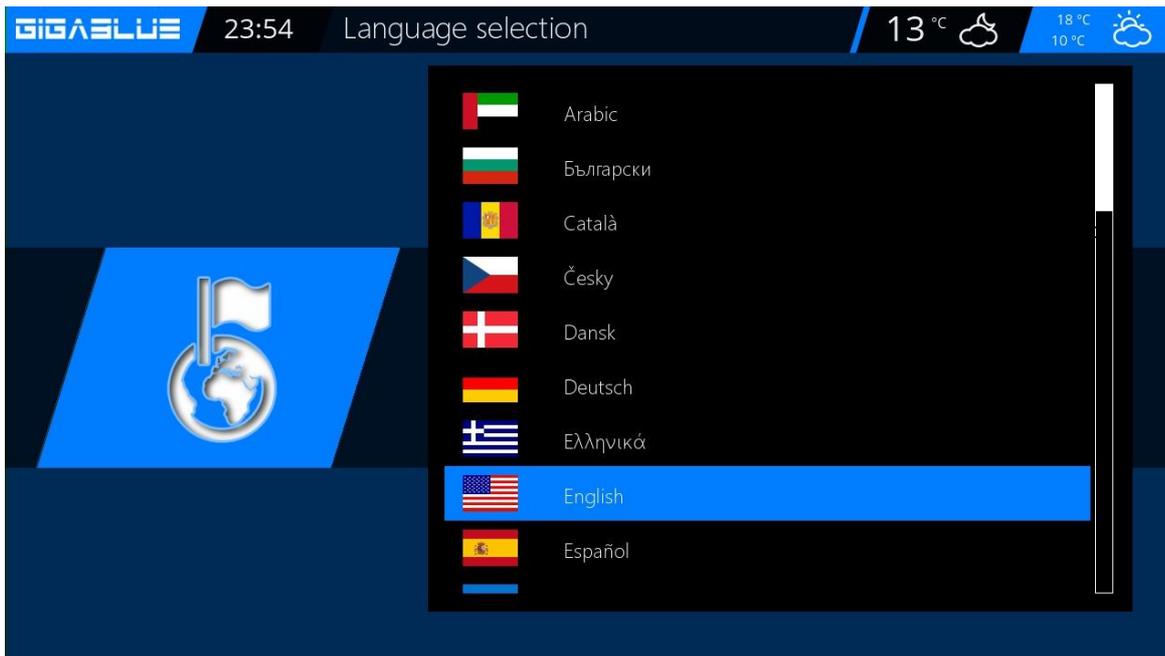
User mode

Go to the menu
Setup / System / Basic settings.

Here you can use the modes

**Easy
Advenced
Experte**

Adjust. If the individual
yet described.
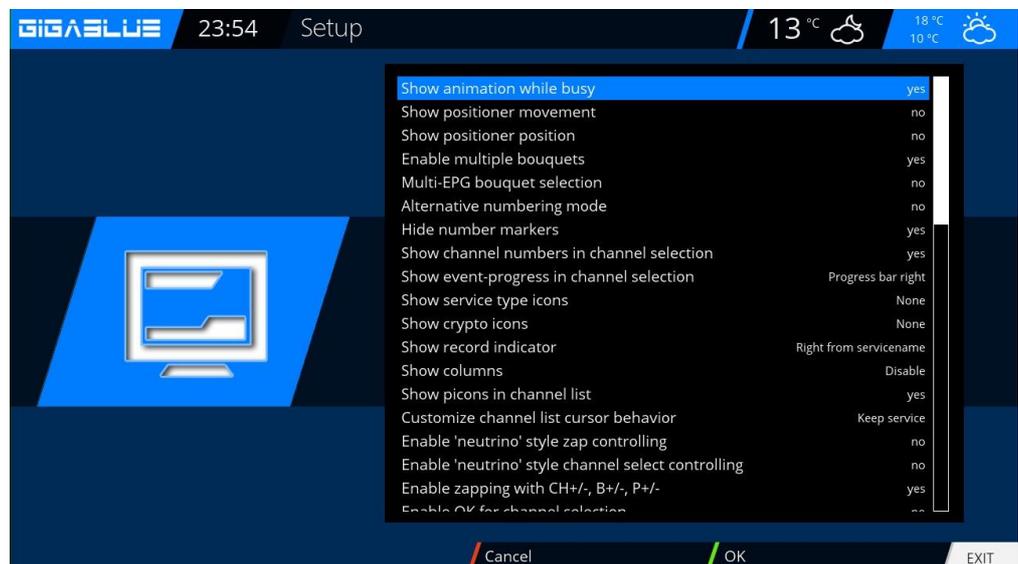
User mode

Easy Modus

.
Margin before record (minutes):
Here you can set the lead time for timer recordings in minutes.

Margin after record:
Here you can set the delay time for timer recordings in minutes.

Show blinking clock in display during recording:
Here you can select whether the OLED display while recording the clock to display flash.

Infobar - Display time:
Specify how long the info bar will be displayed, a maximum of 10 seconds.

Advanced Mode:
Additional settings for Simple mode.

Recordings always have priority:
Here is the option chosen Yes, the system automatically switches to a timer recording conflict on the station to be recorded.

If the option is set to No, you are asked if you want to switch on the channel to be recorded.

Show positioner movement:
Is your satellite system equipped with a rotor, on the TV, a flashing symbol of an antenna is shown, unless you have asked the option to Yes.

Multi bouquets:
If you want to use more than one bouquet you set this option to **Yes**.

Change bouquets in Quickzap:
If this option is set to Yes, automatically at the end of the bouquet changed to the next bouquet.

Alternative radio mode:
If this option is set to Yes, the GigaBlue Box behaves just as in TV mode.

Action on long press on Power:
When long press the **power button** the following options are given:
Show shutdown or **immediate shutdown**.

Time zone

To set the time zone change to the menu
Setup / System / Basic settings / time zone with the arrow keys
◄► to adjust the time zone with the **GREEN** button to accept or
discard the **RED** button Fig.1.

.

GIGABLUE	0:27	Setup		13 °C ⛅	18 °C 11 °C ⛅

Timezone	(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Vienna
Sync time using	Transponder Time
NTP server	pool.ntp.org
Sync NTP every (minutes)	30 minutes

Cancel　　　OK　　　EXIT
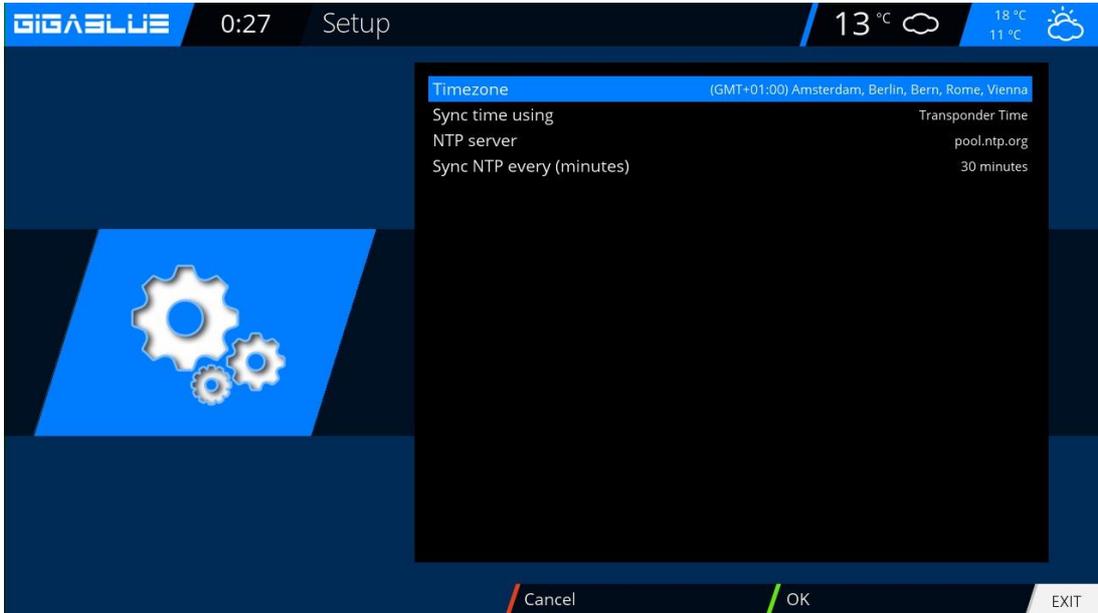
Video settings

Here you can make the settings on the audio and video settings.

To make settings on the Audio / Video switch to the menu,
Setup / Video / Basic Settings

.
Now select the resolution you want to use
from the following options according to
the video output and your TV selected
above.

GIGABLUE	23:31	Setup		13 °C ☁	18 °C 10 °C ⛅

Video output	HDMI
Mode	1080p
Refresh rate	multi
Display 4:3 content as	Just scale
Display >16:9 content as	Just scale
OSD transparency	
Scaler sharpness	
Bypass HDMI EDID Check	off

Cancel　　　OK　　　EXIT
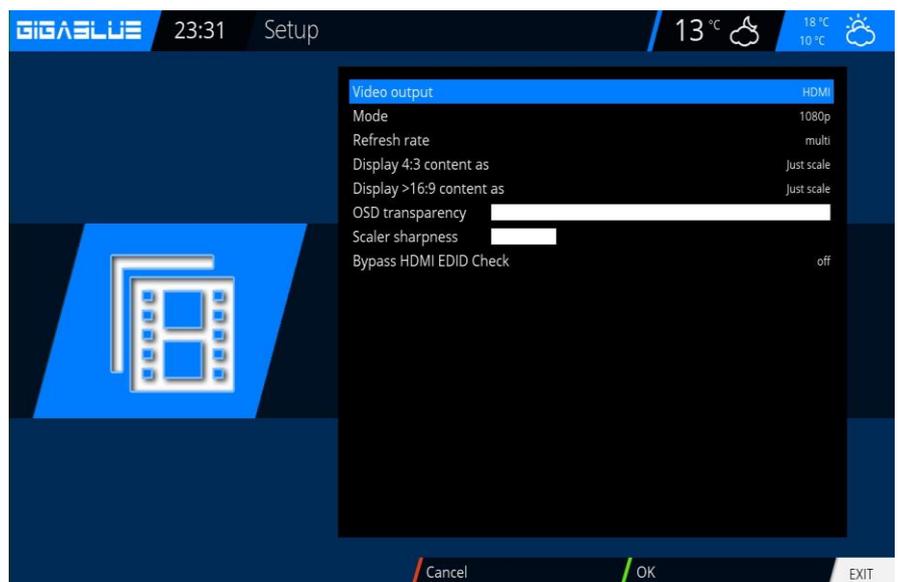
	HDMI
Auflösung	**2160p** **1080p** **1080i** **720p** **576p** **480p** **480i**

Operation Audio/Video Settings

Audio settings

Here you can make settings on the audio and video settings.
To make settings on the Audio / Video switch to the menu,
Setup / Audio / Basic Settings
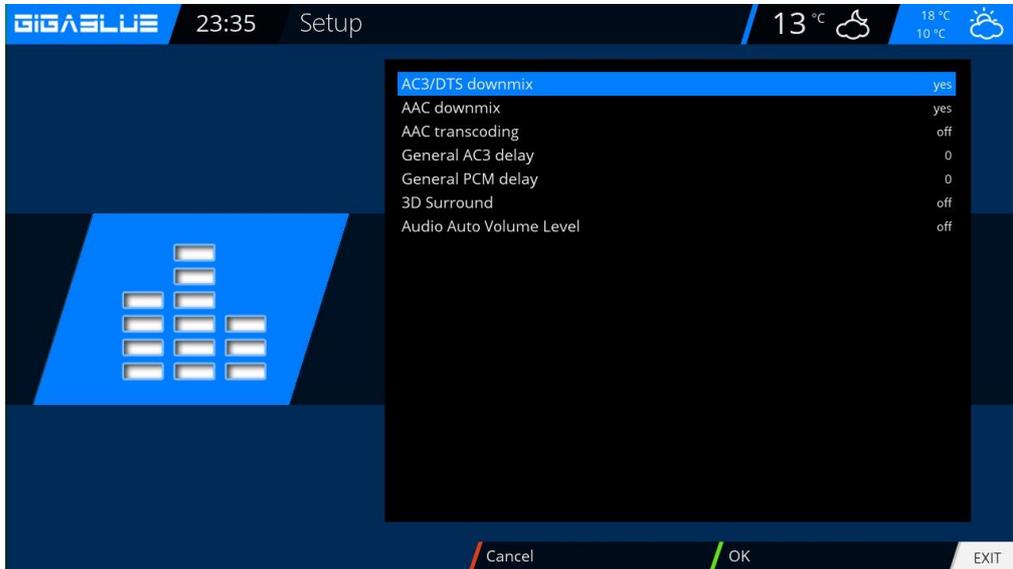
Video output

Video output:

This determines where the video signal to be output. The options are:

HDMI
YPbPr

Use the arrow keys to select ◄►die desired output.

Modus:

The following options are available:

PAL
NTSC

Make this a country-specific. Use the arrow keys ◄►.

Refresh rate:

In normal TV devices only options 50Hz, 60Hz and Multi are available. If your TV is connected via HDMI or YPbPr you can vote the interface screen for your TV device.

Operating Audio / Video Settings

Aspect ratios

Modus 16:9

Pillarbox:

Just Scale:

Nonlinear:
The outer portion of the image is slightly distorted, so, a perfect image is shown in the inner area, in full screen mode.

Pan&Scan:

Modus 16:10

Color format

The following formats are available:
RGB (RED, GREEN, BLUE)
CVBS (Separated color and luminance signal)
Select the appropriate format.

AC3 Standard

Set here whether AC3 should be on or off. Use arrow keys ◄►.

.

Network settings

Go to the menu
**Setup / System / Network /
Basic Settings** to configure
your network to Fig.1.

If a DHCP server on your
network, you can change the
settings to take Fig.2.
Use the arrow keys ◄► to a
Static address assigned Fig.3.
Save Press the OK button
the settings.Abb.1
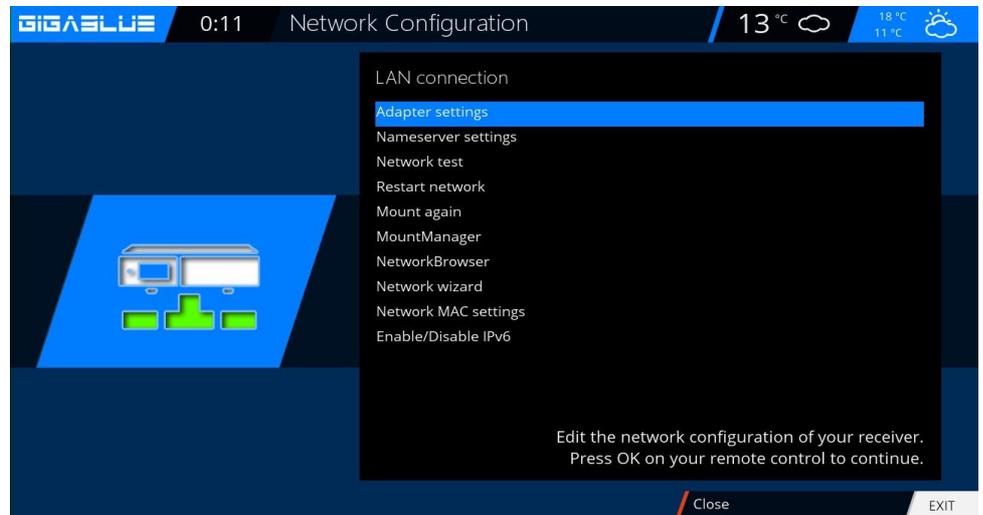
Fig.1
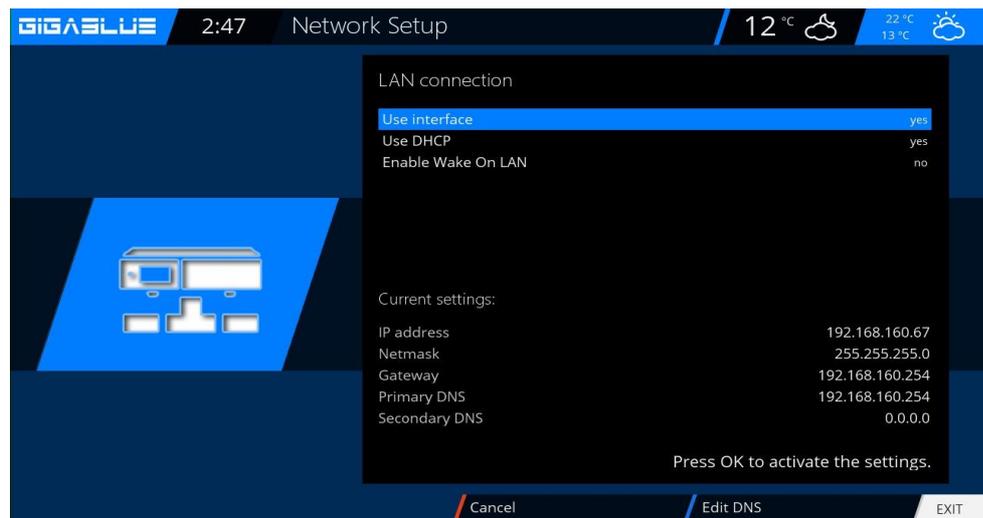
Fig.2
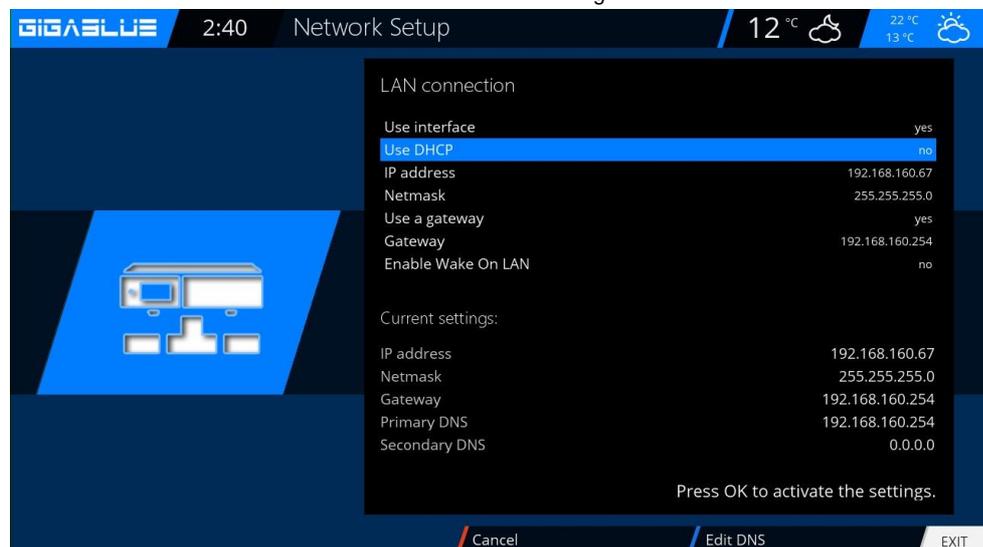
Fig.3

Network Settings

The following options are available:

Enable Network Adapter:
You can disable or enable the adapter for a wired network.
Address automatically (DHCP):
Determine whether the network address is automatically obtained from a DHCP server.

IP Address manually assigned.
Do you want to assign the IP Address manually to set the DHCP server on No. Now enter the IP address (that matches your network pool), and the network mask (**default setting 255.255.255.0**).

After that it's important to also set the gateway to **YES**, you now assign the gateway address. See figure. Accept the input by pressing the **OK** button.
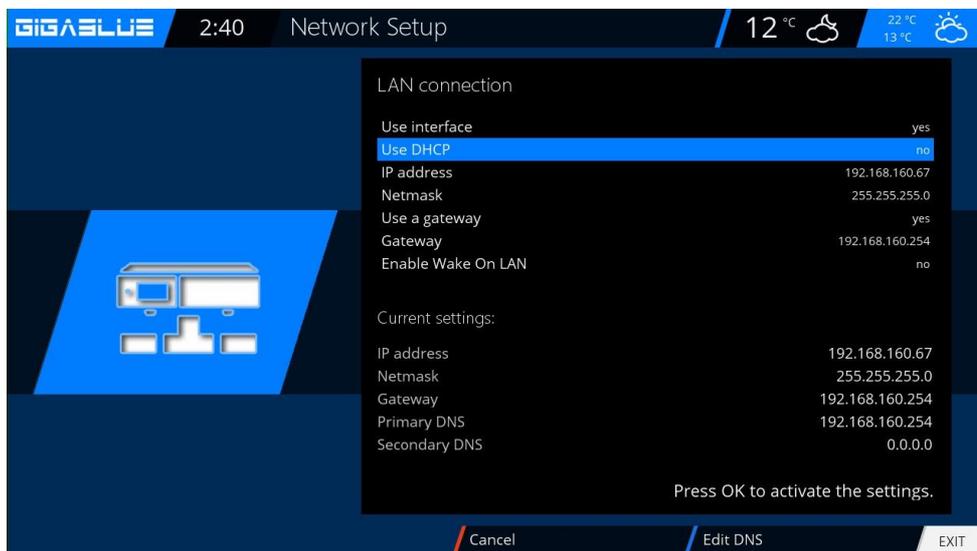
DNS-Setting:
Next, enter the DNS address and save with **OK**. See figure.
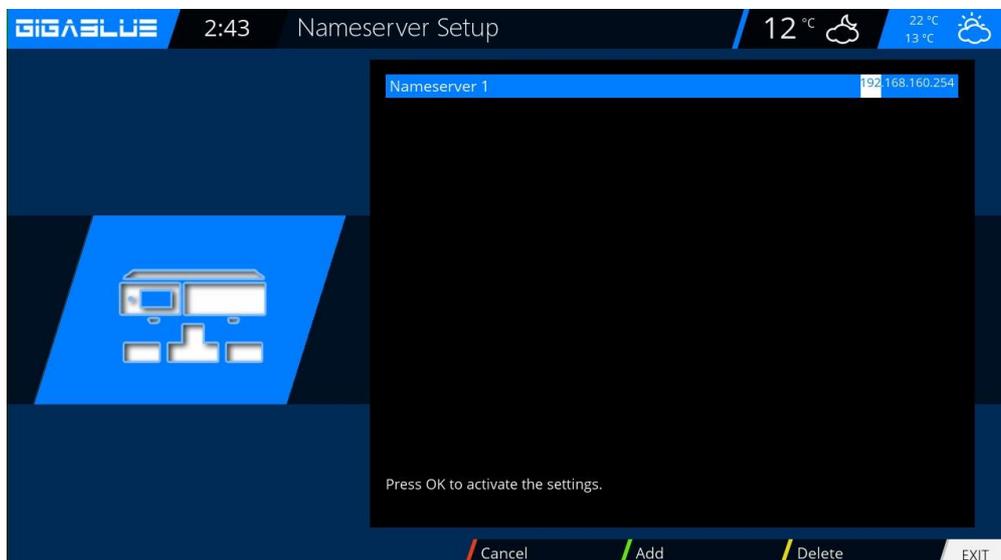
Network settings

After successful network setting you can check this.
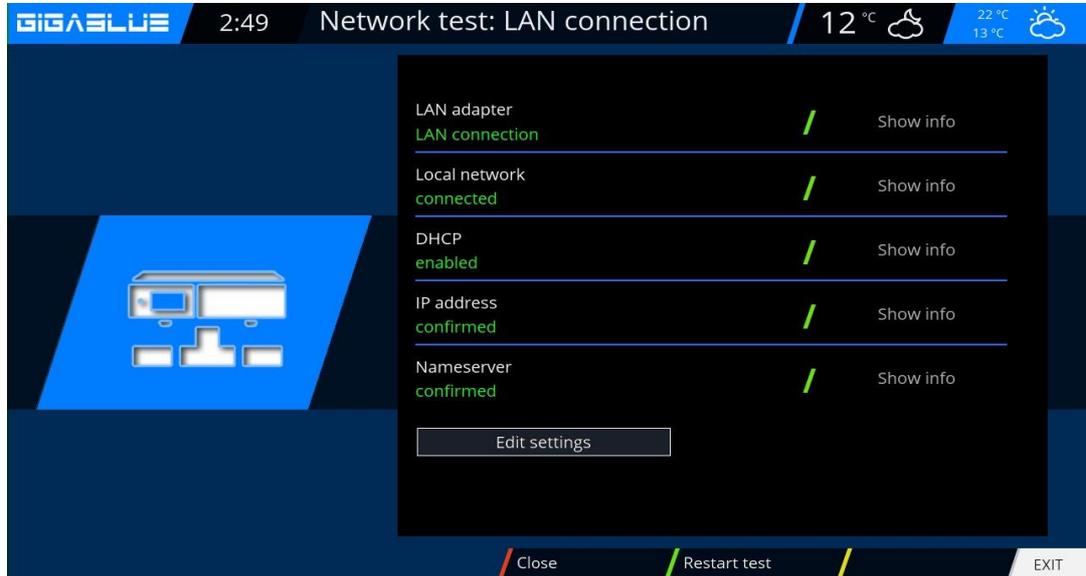
The test is started with the **GREEN** button.

GREEN means successfully **RED** unsuccessful. As the DHCP is disabled and no approvals for the internal network are available they are displayed in **RED**. To exit, press the **RED** button.

Restart Network:
With this option, you can restart the network configuration of your GigaBlue box.

Network Assistant:

The network wizard will assist you in the settings of your network.

Release Manager
See pages

Networkbrowser
See pages

Connect renewed
Connects network renewed

Network Assistant
Network Assistant will be restarted

MAC-Settings
Please do not change macaddress, MAC address has been saved in the HW

Enable/Disable IPv6
This will enable IPv6 protocol.

WLAN setting

Go to **Menu / Setup / System / Network** Abb1.

Now go to **wireless connection** and click **OK** to confirm Fig.2
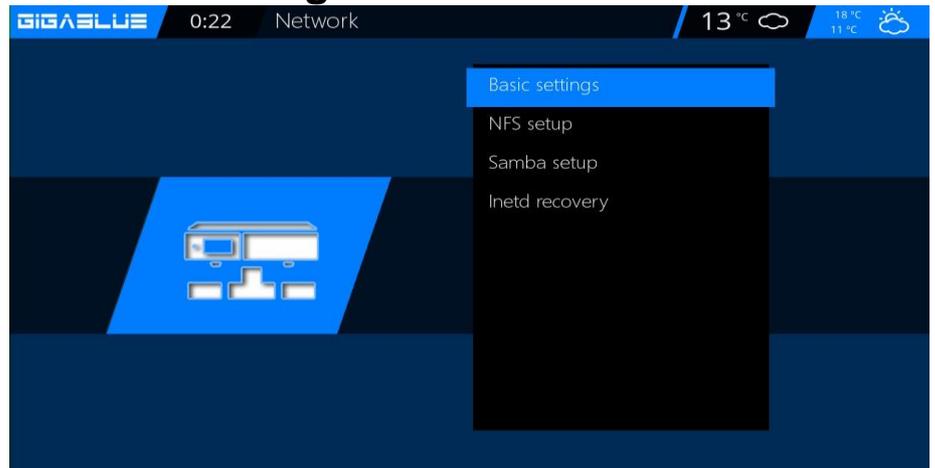
Fig.1

Now activate the **Wi-Fi adapter**, Fig.3,
Use the arrow keys ◄► confirm with **OK**. Now, the wireless network is enabled. This may take several seconds
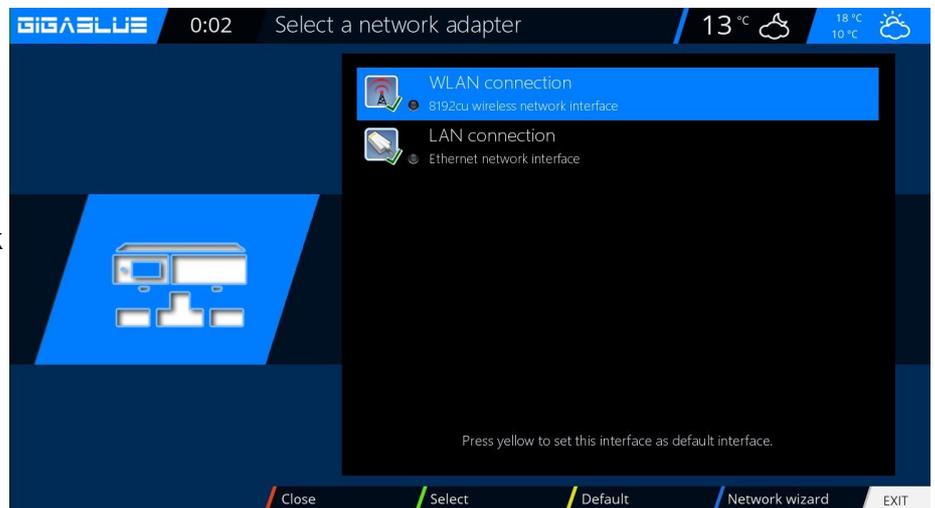
Fig.2
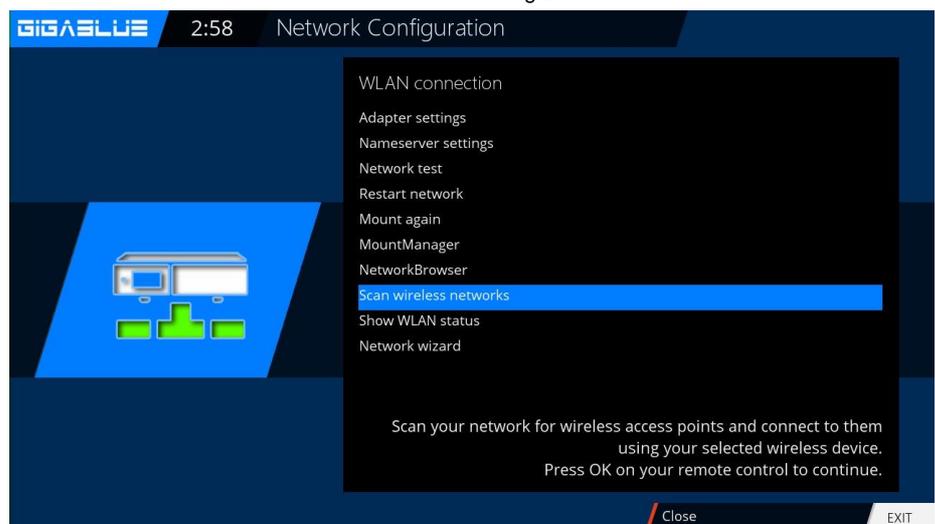
Fig.3

WLAN setting
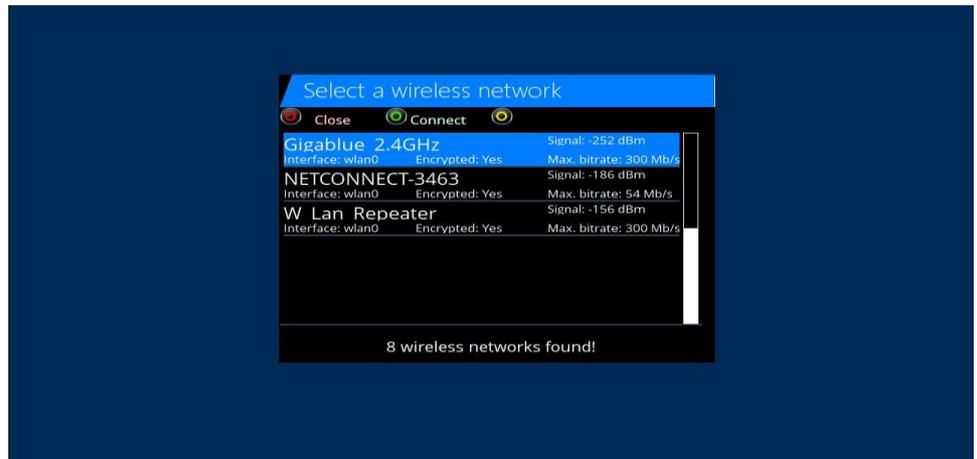
Fig.4

Now activate the **Wi-Fi adapter**, use the arrow keys ◄► confirm afterwards with **OK**.Abb.5,
Select encryption
WPA and WPA2
Then enter your security key. Fig.5.
With the **TXT** button to enter the Virtual Keyboard Fig.6
After entering confirm with the **GREEN** Button
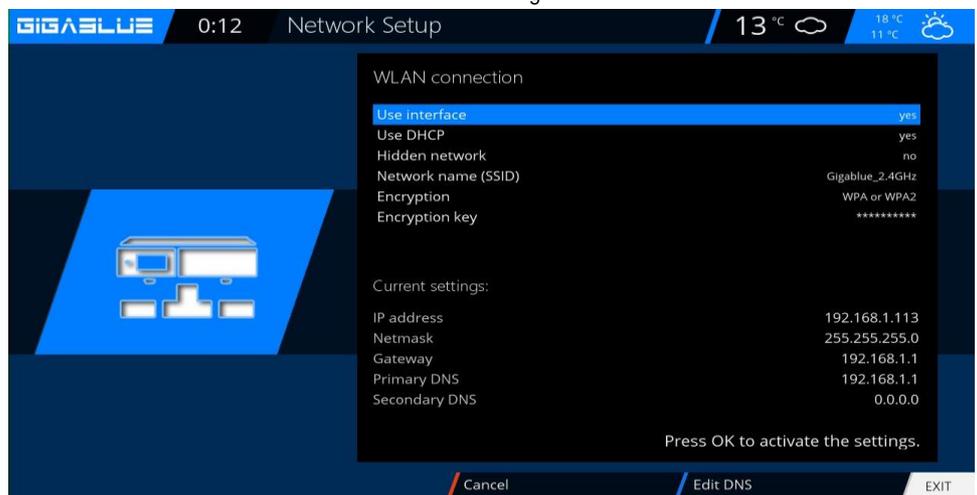
Fig.5

Now you press the **OK** button to save Wlan
This may take a few seconds. and start GigaBlue new. Now the wireless network should be available to

.
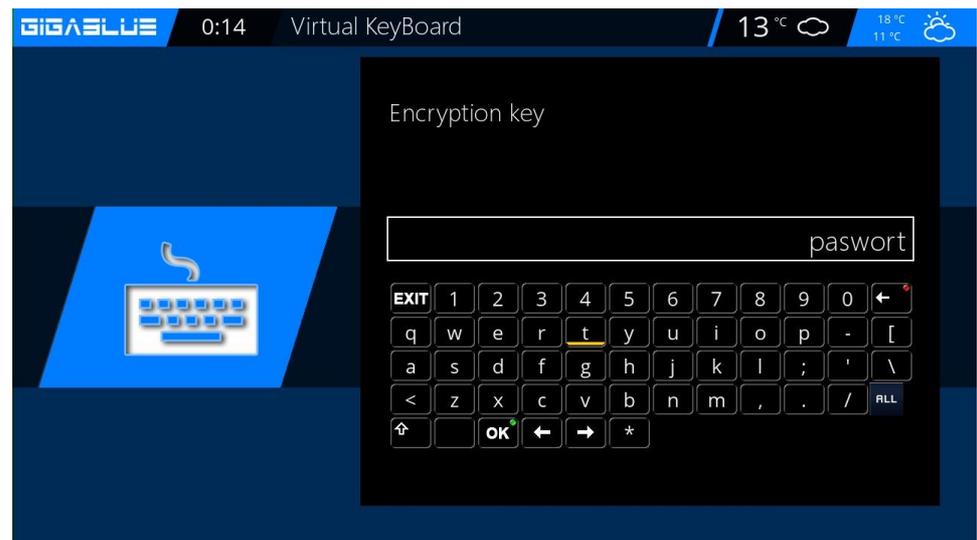
Fig.6

Operation of GigaBlue Box

Factory reset

Factory reset:
Menu / Setup / System / factory reset
Here is the GigaBlue Box to their original initial values. Here lose all the settings you have made.
Click OK to confirm that GigaBlue Box leads after restart
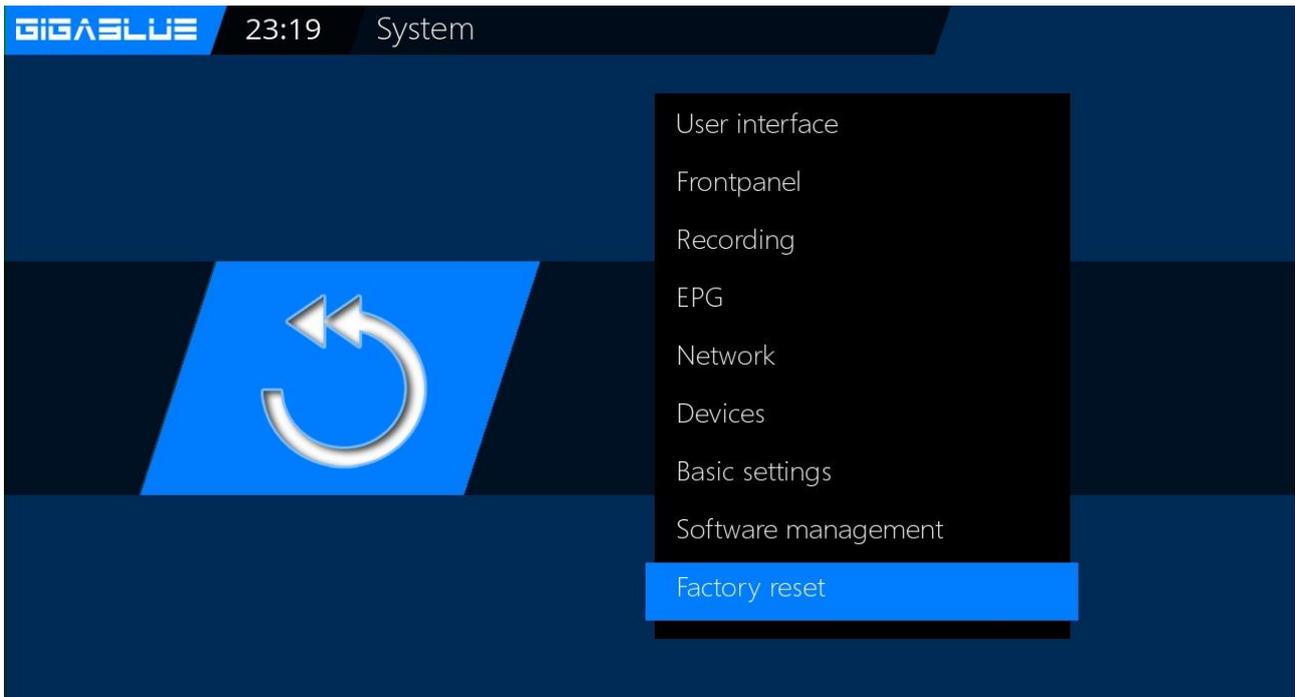
Channel search

Menu (Setup / tuner / tuner configuration (Basic Settings)
Here you have several options:

Tuner Configuration
Standard channel lists
Automatic Search
manual Search
Fast searching
blind Scan
Satellite finder
Rotor settings
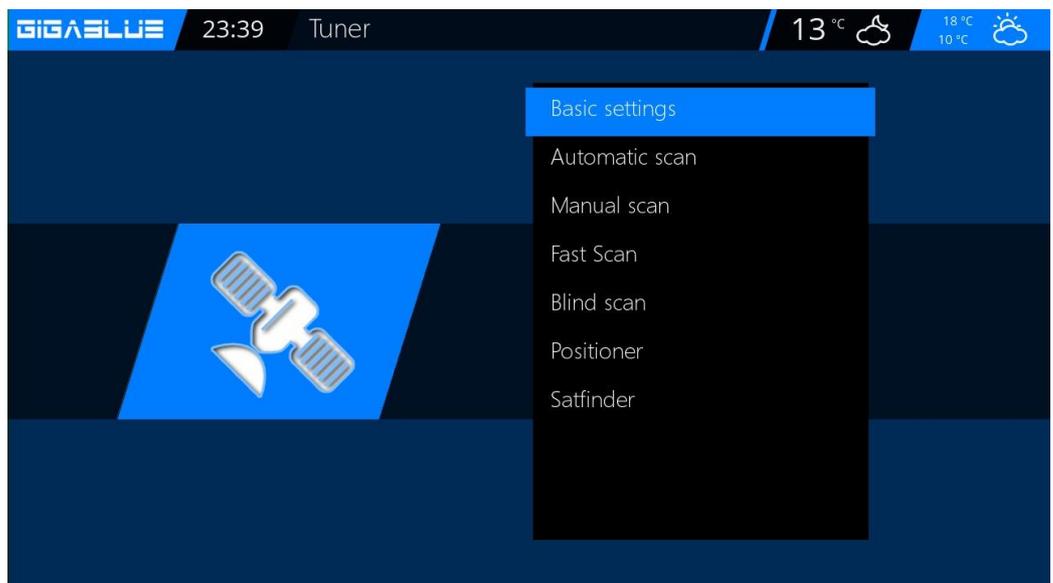
Operation of GigaBlue Box

Tuner Configuration (FBC)

DVB-S2 FBC-Tuner
This type of tuner will be used for the first time on a GB UHD QUAD.
FBC stands for "Full Band Capture" and means that the entire frequency band of a level is received. How does it work?
Two FBC tuners are powered by two Sat IF inputs (LNB1 IN and LNB2 IN), then eight demodulators are dynamically split between both FBC tuners. Each of these demodulators can then demodulate a transponder or an SCR frequency.

What are the advantages of this?
1. Faster switching times, as the next program can already be pre-dunked and demodulated.
2. In classical operation, up to eight transponders of a plane could also be demodulated or e.g. three from one level and five from another level when both sat IF inputs are powered.
3. Each demodulator could get a Unicable / JESS SCR frequency, so 8 transponders can be received independently.

FBC Unicable / JESS for two sat positions
Unicable:
The respective settings must be adapted to the SCR system. **LNB 1** and **LNB 2** are to be adjusted to the aligned satellite system.
Here in the example it is 13 ° East (Eutelsat) and 19.2 ° East (Astra). **Unicable** is to be selected under **LOF**. It must also be noted that the correct settings are made under Unicable configuration and manufacturer. If these pre-programmed settings do not agree with the installed components, select Unicable User defined, under the then menu item Diction Unicable [EN50494] must be selected. The remaining settings, such as channel and frequency must, however, be made manually. The frequencies may only be assigned once for each connected tuner; if this is ignored, interference will occur.

JESS:
The settings for JESS can only be changed in Unicable User defined mode, then JESS [EN50607] must be selected under the then menu item Diction. The remaining settings, such as channel and frequency must, however, be made manually. The frequencies may only be assigned once for each connected tuner; if this is ignored, interference will occur.
FBC stands for "Full Band Capture" and means that the entire frequency band of one of the four SAT levels (SAT IF levels) can be used simultaneously via a conventional SAT connection.

These four SAT levels (**including frequency bands used**) are designated by:
- **VL** (vertikal Lowband -> 10.700 - 11.700 MHz)
- **HL** (horizontal Lowband -> 10.700 - 11.700 MHz)
- **VH** (vertikal Highband -> 11.700 - 12.750 MHz)
- **HH** (horizontal Highband -> 11.700 - 12.750 MHz)

The FBC technology is thus absolutely revolutionary, since with a **conventional tuner** so far not the entire frequency band of a SAT level, but **only a single transponder of a SAT level** could be used simultaneously.
As in the case of the GigaBlue UHD Quad 4K a total of **eight virtual tuners** are available, which can fall back on the two FBC tuner, there are completely new applications

Tuner Configuration (FBC)

Perform the following steps

Navigate with the arrow keys ▲ ▼
Menu/Setup/Tuner/Basic settings (Tuner Configuration), select tuner and press OK button, use arrow keys ▲ ▼ to navigate to **Mode**, use arrow keys ◄► to navigate to **Single**. Use arrow keys ▲ ▼ to navigate to **Satellite** Use the navigation buttons ◄► to select the desired satellite. Now save with the **OK button**
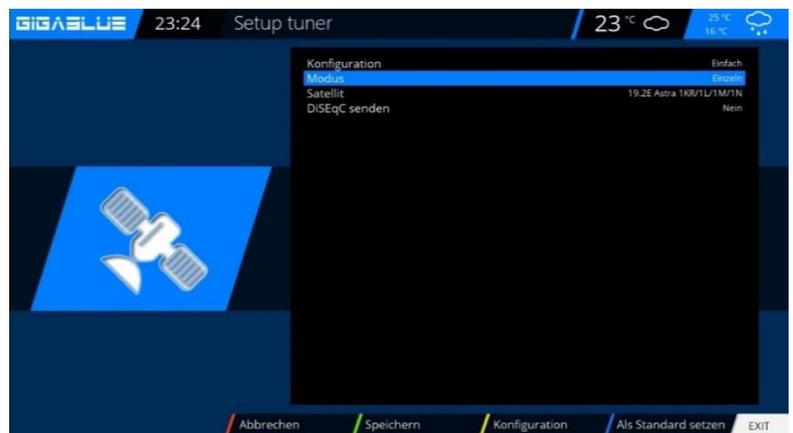
A cable from the LNB or multi-switch (one sat position)

Connection: Cable to tuner A

	Integrated Twin FBC Tuners A & B		
Connection	**Tuner A (LNB1 in)**	**Tuner B (LNB2 in)**	**Tuner C bis H**
Configuration	Simple	Loopthrough to	Not set up These tuners are automatically configured
Equal to		**Tuner A**	
Mode	**Single**		
Satellite	**e.g. Astra 19.2°Ost**		
Send DiSEqC	**no**		

Tuner Configuration (FBC)

Two cable from the LNB or multi-switch (one sat position)

Connection: Cable to tuner A and B: For this satellite configuration you will need Twin Universal, Quad Universal LNB or Quatro LNB with multi-switch for four or more subscribers.

	Integrated Twin FBC Tuners A & B		
Connection	**Tuner A (LNB1 in)**	**Tuner B (LNB2 in)**	**Tuner C bis H**
Configuration	**Simple**	**Equal to**	Not set up These tuners are automatically configured
Tuner		**Tuner A**	
Mode	**Single**		
Satellite	**z.B. Astra 19.2°Ost**		
Send DiSEqC	**no**		

Two cable from the LNB or multi-switch (two sat position): Connection: Cable to tuner A and B

	Integrated Twin FBC Tuners A & B		
Connection	**Tuner A (LNB1 in)**	**Tuner B (LNB2 in)**	**Tuner C bis H**
Configuration	**Simple**	**Equal to**	Not set up These tuners are automatically configured
Tuner		**Tuner A**	
Mode	**DiSEqC A/B**		
Port A	**e.g. Astra 19.2°Ost**		
Port A	**e.g. Hotbird 13°Ost**		
Set voltage and 22kHz	**yes**		
Send DiSEqC only on satellite changes	**no**		

Three cables from the LNB or multi-switch (one sat position)

- Satellite cable connection to Tuner A & B

- Satellite cable connection to Tuner I

	Integrated Twin FBC Tuners A & B			P&P Tuner DVB-S2X	
Connection	**Tuner A**	**Tuner B**	**Tuner C to H**	**Tuner I**	**Tuner J**
Configuration	Simple	Equal to	Not set up These tuners are automatically configured	Equal to	Loopthrough to
Connected to					Tuner I
Tuner		Tuner A		Tuner A	
Modus	Single				
Satellit	e.g. Astra 19.2°Ost				
Set volt. and 22kHz	Yes				
Send DiSEqC only on satellite changes	No				

Tuner Configuration (FBC)

Three cables from the LNB or multi-switch (two sat position)

- Satellite cable connection to Tuner A

- Satellite cable connection to Tuner B

- Satellite cable connection to Tuner I

Connection	Inetgrated Twin FBC Tuners A & B			P&P Tuner DVB-S2X Single or Twin	
	Tuner A	**Tuner B**	**Tuner C to H**	**Tuner I**	**Tuner J**
Configuration	Simple	Equal to		Equal to	Loopthrough to
Connected to					Tuner I
Tuner		Tuner A		Tuner A	
Modus	DiSEqC A/B				
PORT A	e.g. Astra 19.2°Ost		Not set up		
PORT B	z.B. Hotbird 13°Ost		These tuners are		
Set voltage and 22kHz	Yes		automatically configured		
Send DiSEqC only on satellite changes	No				

---

three cables from the LNB or multi-switch (different satellite positions per cable)

- Cable to Tuner A (Astra 19.2°Ost)

- Cable to Tuner B (Hotbird 13°Ost)

- Cable to Tuner I (Astra 23.5°Ost)

Connection	Inetgrated Twin FBC Tuners A & B			P&P Tuner DVB-S2X Single or Twin	
	Tuner A	**Tuner B**	**Tuner C to H**	**Tuner I**	**Tuner J**
Configuration	Simple	Simple		Simple	Simple
Connected to			Not set up		
Modus	Single	Single	These tuners are	Single	Single
Satellite	e.g. Astra 19.2°Ost	e.g. Hotbird 13°Ost	automatically configured	e.g. Astra 19.2°Ost	e.g. Astra 23.5°Ost
Send DiSEqC	no	no		no	no

Tuner Configuration (FBC)

Three cables from LNB or multiswitch and DVB-C/T2 (one satellite position and DVB-C/T2)

- Cable to Tuner A & B
- Cable to Tuner I & J (DVB-C/T2)

Connection	Inetgrated Twin FBC Tuners A & B			P&P Tuner DVB-C/T2 Single or Twin	
	Tuner A	Tuner B	Tuner C bis H	Tuner I	Tuner J
Configuration	Simple	Equal to	Not set up These tuners are automatically configured	enebled	Equal to
Satellite		Tuner A		DVB-C or T2	Tuner J
Mode	Single				
Satellite	z.B. Astra 19.2°Ost				
Send DiSEqC	nein				

Three cables from LNB or multiswitch and DVB-C/T2 (two satellite position and DVB-C/T2)

- Cable to Tuner A & B
- Cable to Tuner I & J (DVB-C/T2)

Connection	Inetgrated Twin FBC Tuners A & B			P&P Tuner C/T2 Single or Twin	
	Tuner A	Tuner B	Tuner C bis H	Tuner I	Tuner J
Configuration	Simple	Equal to	Not set up These tuners are automatically configured	Gleich wie	Gleich wie
Tuner		Tuner A		DVB-C or T2	Tuner I
Modus	DiSEqC A/B				
Port A	e.g. Hotbird 13°Ost				
Port B	z.B. Astra 19.2°Ost				
Set voltage and 22kHz	ja				
Send DiSEqC only on satellite changes	nein				

Unicable/Jess Configuration (FBC)

Unicable / JESS for a sat position

- Cable to Tuner A

- Cable to Tuner I (if connected)

Unicable:

The respective settings must be adapted to the SCR system. Under **LOF unicable** is to be selected, further attention is to be paid. That the correct settings are made under **Unicable configuration** and **manufacturer**. If these pre-programmed settings do not match the installed components. Select **Unicable User defined**, under the menu item **Diction** Unicable [EN50494] must be selected. The remaining settings, such as channel and frequency must, however, be made manually. **The frequencies may only be assigned once for each connected tuner**; if this is ignored, interference will occur.

JESS:

The settings for JESS can only be changed in **Unicable User defined** mode, then JESS [EN50607] must be selected under the then menu item **Diction**. The remaining settings, such as channel and frequency must, however, be made manually. **The frequencies may only be assigned once for each connected tuner**; if this is ignored, interference will occur.

Connection	Inetgrated Twin FBC Tuners A & B			P&P Tuner	
	Tuner A	**Tuner B**	**Tuner C bis H**	**Tuner I**	**Tuner J**
Configuration	Advenced	Advenced	These tuners can be occupied analogously as tuner B with a SCR frequency! It must be ensured that the frequencies for each tuner may only be assigned once. As SCR 3: 1680, SCR 4: 2040, SCR 5: 984 SCR 6: 1020 etc With "Connected to" one tuner must be connected to the other and not all connected to "tuner A"! Tuner C has to be "Connected to B", Tuner D to "Connected to C", etc.	Advenced	Advenced
Satellite	e.g. Astra 19.2°Ost	e.g. Astra 19.2°Ost		e.g. Astra 19.2°Ost	e.g. Astra 19.2°Ost
LNB	LNB 1	LNB 1		LNB 1	LNB 1
Priority	Auto	Auto		Auto	Auto
LOF	Unicable/JESS	Unicable/JESS		Unicable	Unicable
SCR (Unicable/JESS) type	Unicable Matrix / LNB / user defined	Unicable Matrix / LNB / user defined		Unicable Matrix / LNB / user defined	Unicable Matrix / LNB / user defined
Manufacturer	Select manufacturer	Select manufacturer		Select manufacturer	Select manufacturer
Model	select exact name	select exact name		select exact name	select exact name
Channel	e.g. SCR 1	z.B. SCR 2		z.B. SCR 9	z.B. SCR 10
Frequenz	1210	1420		1128	1164
connected	no	yes		no	yes
connected to		Tuner A			Tuner I
DiSEqC-Mode	None	None		None	None

Configuration (FBC)

Connection	Inetgrated Twin FBC Tuners A & B				
	Tuner A	Tuner A	Tuner B	Tuner B	Tuner C bis H
Configuration	Advenced	Advenced	Advenced	Advenced	Diese Tuner können Analog wie Tuner B mit einer SCR Frequenz belegt werden! Es ist darauf zu achten, dass die Frequenzen für jeden Tuner **nur einmal** vergeben werden dürfen. Bei "Verbunden mit" **muss** ein Tuner zum Anderen verbunden werden und nicht alle auf "Verbunden mit Tuner A" stehen! Bei Tuner C muss also "Verbunden mit B", bei Tuner D "Verbunden mit C" stehen usw.
Satellite	e.g. Astra 19.2°Ost	e.g. Hotbird 13°Ost	e.g. Astra 19.2°Ost	z.B. Hotbird 13°Ost	
LNB	LNB 1 (e.g. Astra)	LNB 2 (e.g. Hotbird)	LNB 1 (e.g. Astra)	LNB 2 (e.g. Hotbird)	
Priority	Auto	Auto	Auto	Auto	
LOF	Unicable	Unicable	Unicable	Unicable	
SCR (Unicable/JESS) type	Unicable Matrix /LNB / user defined	Unicable Matrix / LNB / user defined	Unicable Matrix / LNB / user defined	Unicable Matrix / LNB / user defined	
Manufacturer	Select manufacturer	Select manufacturer	Select manufacturer	Select manufacturer	
Model	select exact name	select exact name	select exact name	select exact name	
Channel	e.g. SCR 1	e.g. SCR 1	e.g. SCR 2	e.g. SCR 2	
Frequenz	1210	1210	1420	1420	
connected	no	no	yes	yes	
Connected to			Tuner A	Tuner A	
DiSEqC-Mode	Port A	Port B	Port A	Port B	

Anschluss	P&P Tuner			
	Tuner I	Tuner I	Tuner J	Tuner J
Configuration	Advenced	Advenced	Advenced	Advenced
Satellite	e.g. Astra 19.2°Ost	e.g. Hotbird 13°Ost	e.g. Astra 19.2°Ost	z.B. Hotbird 13°Ost
LNB	LNB 1 (e.g. Astra)	LNB 2 (e.g. Hotbird)	LNB 1 (e.g. Astra)	LNB 2 (e.g. Hotbird)
Priority	Auto	Auto	Auto	Auto
LOF	Unicable	Unicable	Unicable	Unicable
SCR (Unicable/JESS) type	Unicable Matrix / LNB / user defined	Unicable Matrix / LNB / user defined	Unicable Matrix / LNB / user defined	Unicable Matrix / LNB / user defined
Manufacturer	Select manufacturer	Select manufacturer	Select manufacturer	Select manufacturer
Model	select exact name	select exact name	select exact name	select exact name
Channel	e.g.. SCR 8	e.g. SCR 8	e.g. SCR 9	e.g. SCR 9
Frequenz	1260	1260	1305	1305
connected	no	no	yes	yes
Connected to			Tuner I	Tuner I
DiSEqC-Mode	Port A	Port B	Port A	Port B

Channel automatic scan

Menu (Setup / Tuner / Automatic scan)

Important !! Tuner must be configured, see page 17. Fig.1.

The following options are available: Fig.2
This can be reached with the arrow keys
◄►.
Network scan: Yes / No
Clear before Scan: Yes / No: **Caution, if you will indeed select automatically delete the existing channel list.**
Scan Tuner A (DVB-S2): Yes / No

Now start the **OK** button to automatically scan channels. This takes some time to Fig.2.
Upon completion of the search, you exit the menu with the **EXIT** Button, the stations found are now available.
Proceed with the other options on the same procedure.

Fig.1
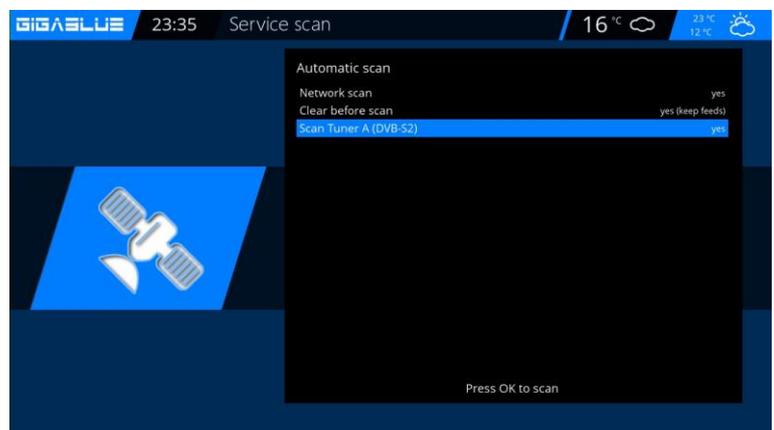
Fig.2

Channel search DVB-C

If you have a GigaBlue C / T Tuner
have installed, please following
Make settings.
First, select the tuner C / T in Fig.1.
The following options are available:

You can also DVB-C or DVB-T tuner with
the arrow keys ◄► Select Fig.3.

DVB-C for cable
DVB-T is for connection Terrestrial
Select DVB-C and save with the **GREEN**
button Fig.2. You can now search start
Automatic or Manuel.
Now switch to the reception menu and
select Automatic Search, start with the **OK**
button to automatically scan channels.
This takes some time to figure 3.

Upon completion of the search,
Exit the menu with the **EXIT** button
the stations found are now available.

Proceed with the other options
to the same procedure
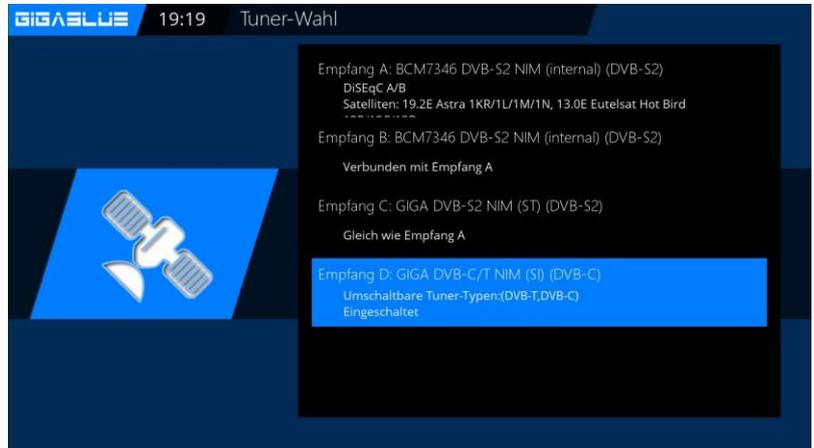
Abb.1
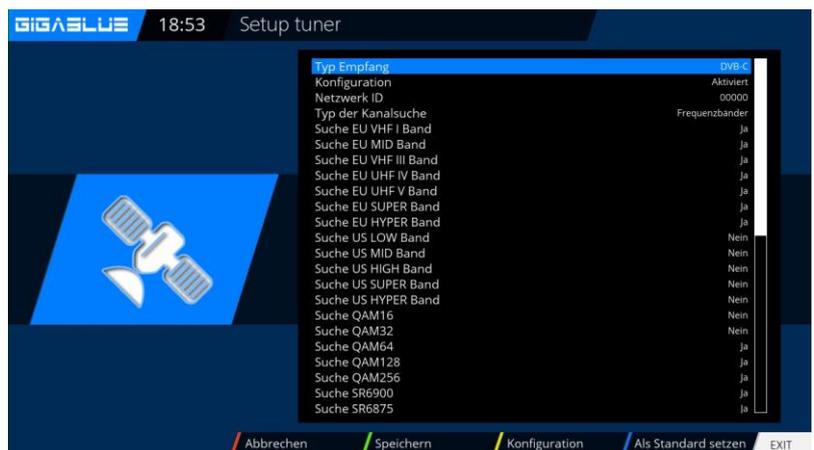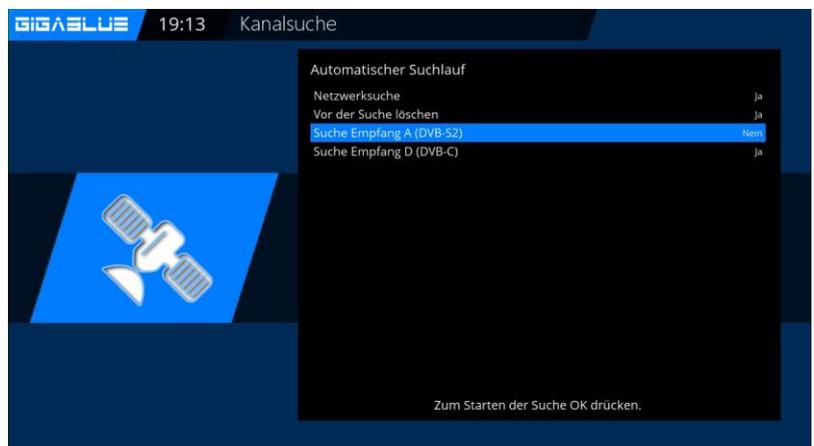
Abb.2

Abb.2

Channel search DVB-T/T2

If you have a GigaBlue C / T Tuner
have installed Please following
Make settings.

First, select the tuner C / T in Fig.1.
The following options are available:

You can also DVB-C or DVB-T tuner
with the arrow keys ◄► Select Fig.3.
DVB-C for cable
DVB-T is for connection Terrestrial
Choose DVB-T and store it with the
GREEN button Fig.2. You can now
search start Automatic or Manuel.

Now switch to the reception menu and
select Automatic Search, start with the **OK**
button to automatically scan channels. This
takes some time to figure 3.
Upon completion of the search, you exit
the menu with the **EXIT** Button, the
stations found are now available.
Proceed with the other options
to the same procedure.
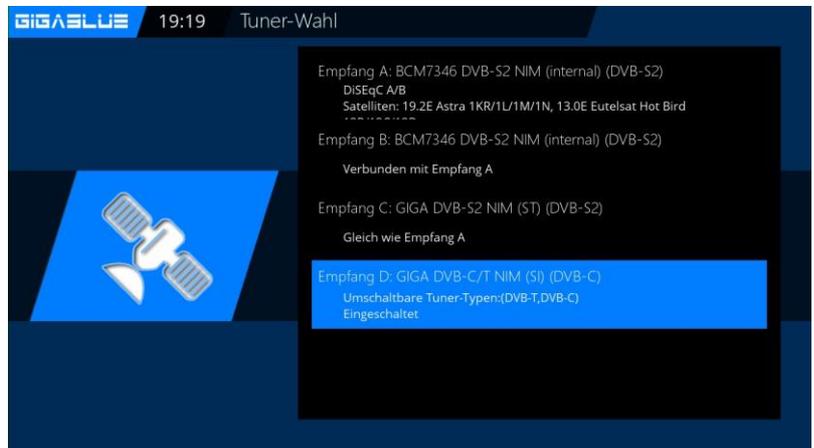
Abb.1
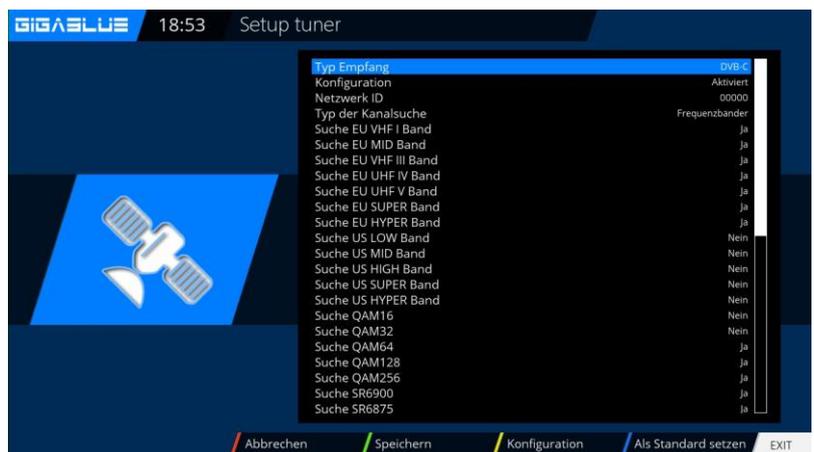
Abb.2

Abb.3

Operation of GigaBlue Box

Rotor with USALS

Menu (Setup / tuner / tuner configuration
Please select with arrow keys ◄►
rotor
Enter here the geographic data of
your location longitude and latitude,
this, see, for example,
http://www.heavens-above.com.

The GigaBlue Box does the rest for
you when you select a satellite or
change the channel.
The system developed by the
company staff calculation module
USALS, turns your satellite system
with an accuracy of 0.1 degrees on
the respective satellite fully
automatically.
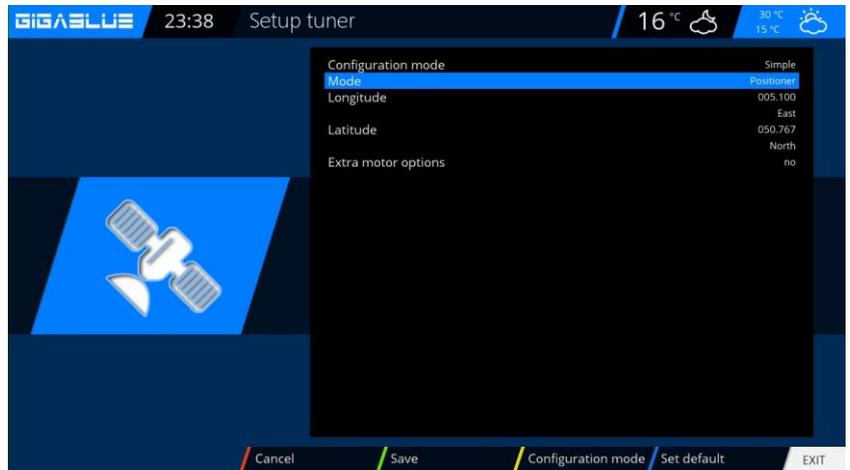
Rotor without USALS

Navigate with the arrow keys ◄►
Advanced. Now navigate the arrow
keys ▲ ▼ to **DiSEqC mode** and
select **1.2**. Now go use the arrow keys
▲ ▼ to the point **USALS** for this
satellite and set it to **NO**.
Now move with the arrow keys
▲ ▼ to stored positions and give the
above-mentioned position is stored in
the rotor. These can be found in the
rotor manual.

Operation of GigaBlue Box

Manual Scan

Menu (Setup/Tuner/Manual scan
Go with the arrow keys ▲ ▼ ◄► and
Manual Scan.
Use the arrow keys ▲ ▼ ◄►, select
and enter information via satellite,
frequency, symbol rate, etc.
Please start the search with **OK**.
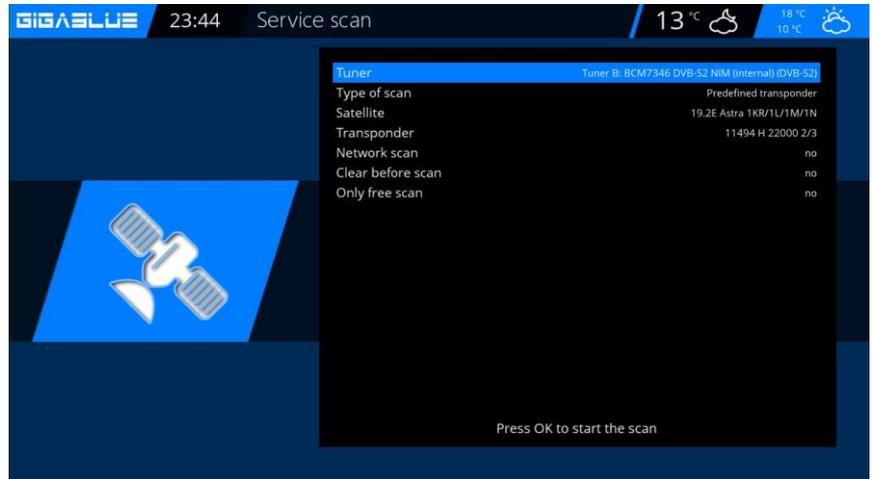
Fast scan

Menu(Setup/Tuner/ faster scan

Go with the arrow keys ▲ ▼ ◄► and
faster scan. Choose **OK** to confirm
Use the arrow keys ▲ ▼ ◄►,
select and enter the information via
satellite, provider, HD, etc.
Please start the search with **OK**.
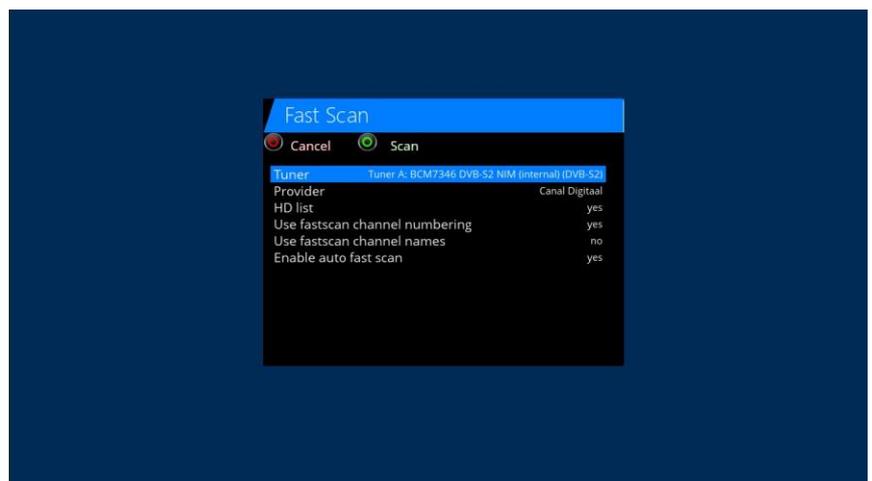
Unicable GigaBlue Box

Unicable Configuration

Unicable LNB

Menu -> Setup -> Tuner -> Basic setting -> Choose Tuner

Configuration mode -> Advanced
Satellit -> Select a satellite (for
example,Astra 19.2°E)
LNB -> LNB1
Priority -> Auto
LOF -> Unicable
Unicable Configuration -> Unicable LNB
Manufacturer -> Manufacturer of LNB
Type -> Type of LNB
Channel -> select one of the 4 channels
Frequenz -> is permanently linked with
the channel and can not be changed here

Unicable house wiring with Unicable multi-switch on a satellite

Menu -> Setup -> Tuner -> Basic setting -> Choose Tuner

Configuration mode -> Advanced
Satellit -> Select a satellite (for
example,Astra 19.2°E)
LNB -> LNB1
Priority -> Auto
LOF -> Unicable
Unicable Configuration -> Unicable Matrix
Manufacturer -> Manufacturer of Matrix
Type -> Type of Matrix
Channel -> select one of the 4 channels
Frequenz -> is permanently linked with
the channel and cannot be changed here
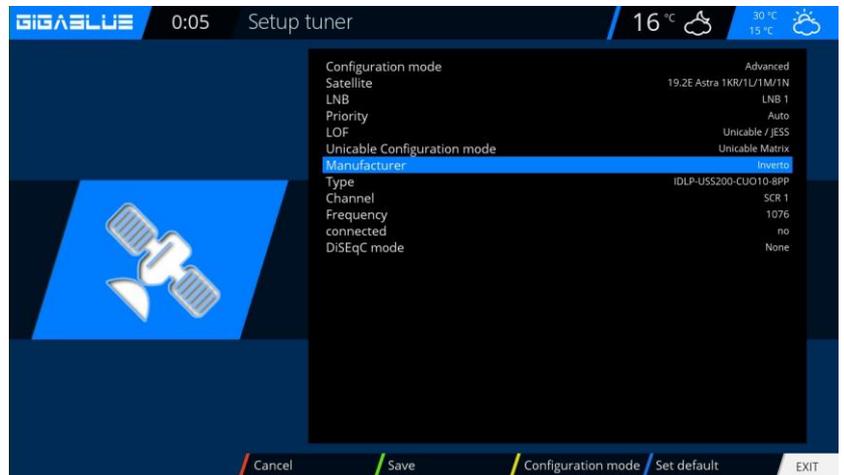
Unicable GigaBlue Box

Unicable Configuration

Unicable house wiring with Unicable multi-switch on two satellites (Astra / Hotbird)
Menu -> Setup -> Tuner -> Basic setting -> Choose Tuner

Configuration mode -> Advanced
Satellit -> Select a satellite (for example,Astra 19.2°E)
LNB -> LNB1
Priority -> Auto
LOF -> Unicable
Unicable Configuration -> Unicable Matrix
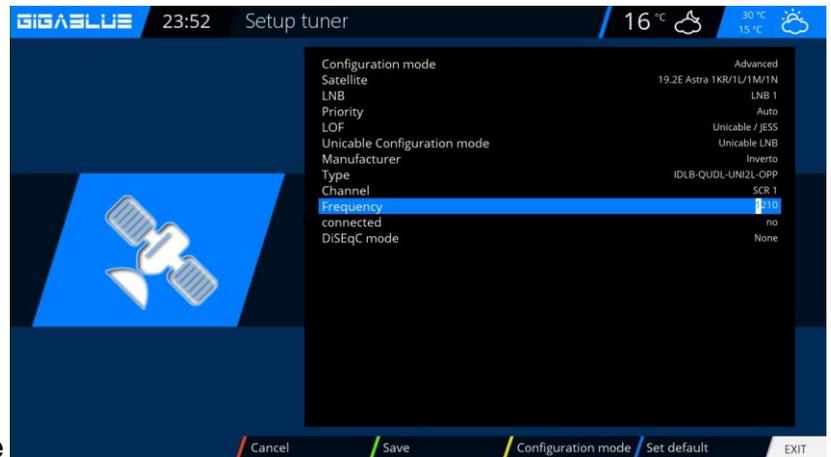Manufacturer -> Manufacturer of Matrix
Type -> Type of Matrix
Channel -> select one of the 8 channels
Frequenz -> is permanently linked with the channel and can not be changed here

Satellit -> select the second satellite (e.g. Hotbird 13.0°E)
LNB -> LNB2
Priority -> Auto
LOF -> Unicable
Unicable Configuration -> Unicable Matrix
Manufacturer -> select the same manufacturer as for the first satellite
Type -> choose the same type as for the first satellite
Kanal -> Select the same channel as for the first satellite
Frequenz -> is permanently linked with the channel and can not be changed here
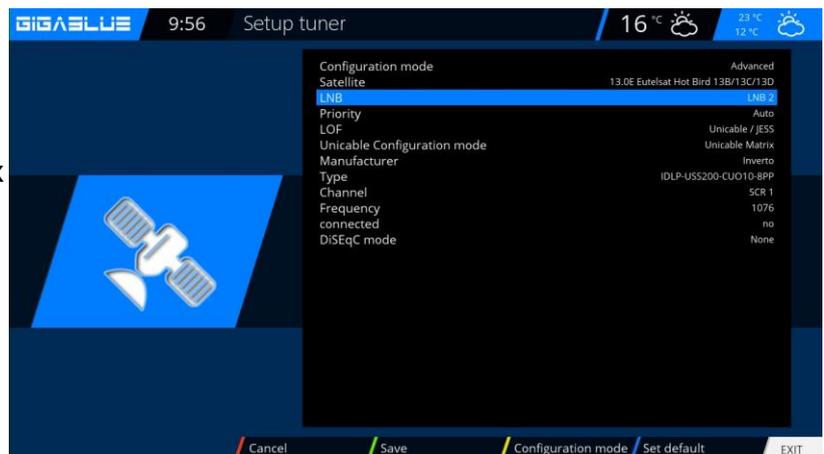
Unicable with any exotic parameters

Menu -> Setup -> Tuner -> Basic setting -> Choose Tuner
Configuration -> advenced Satellit -> select the first satellite (zB. Astra 19.2°E)
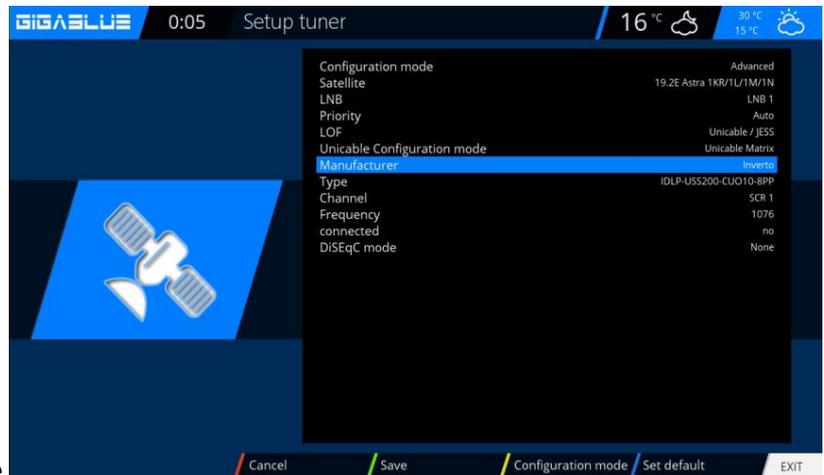LNB -> LNB1
Priority -> Auto
LOF -> Unicable
Unicable Configuration -> Unicable User defined Here you can choose all parameters free itself.
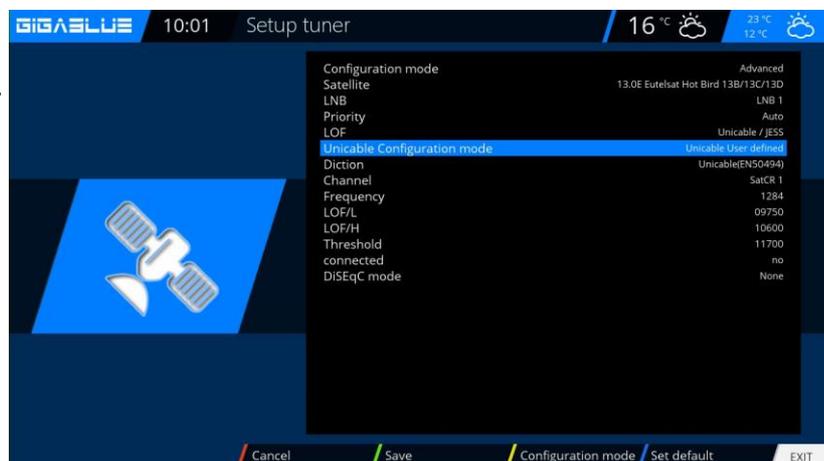
If more than one tuner available, so each tuner must be assigned its own channel

Sat>IP

First, you need a home network by connecting the SAT IP server and the SAT IP client. They have to be able to communicate with each other. The SAT IP server receives the SAT TV and radio signals. The SAT IP clients then request the SAT programs from the SAT IP server via a special SAT IP communication protocol. The SAT IP server converts all satellite programs into an IP signal and makes these signals available to SAT IP clients. The SAT IP server can supply several IP terminals at the same time. Thus, you can watch SAT TV on iPad and Co at the same time.
You can also use GigaBlue UHD 4K as a SAT> IP server with Plugin SAT> IP Server installed.

If you want to use Client Box, please first install SAT> IP Client under **Plugin Server / Extensions**

Menu/Setuo/Tuner/SAT>IP Client Setup confirm

with **OK**. Fig.1
Use the arrow keys ◄► to navigate to **NO**. Search server now
Server search: please use the YELLOW button
Press, server is searched.
If Server is found, Fig. 3 appears. Please save with the GREEN button.
Now please go to **Menu/Setup/Tuner/ Basic**

settings / Tuner Configuration
Please configure Tuner, after tuner configuration, install the desired channel list from the GigaBlue Plugin Server / Settings.
Now you can call the channel list with the arrow keys ▲ ▼ and look.

Tipp:
Is SAT> IP too complicated for you?
We recommend you to use Alternative GigaBlue client as
which is much easier and better.

Abb1

Abb.2

Abb.3

GigaBlue SERVER BOX

GigaBlue Server Box Plugin is installed in the basic software.

How does it work?
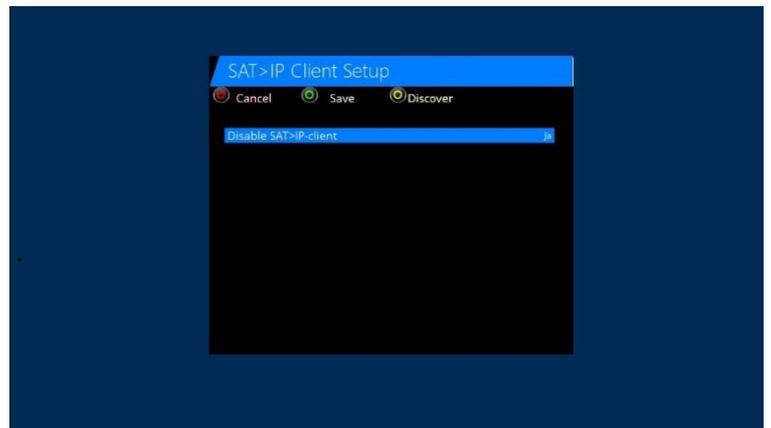
First, you need a home network in which the GIGABLUE server and the GigaBlue IP Box client are connected. They have to be able to communicate with each other. The GIGABLUE server receives the SAT TV, CABLE and terrestrial and radio signals. The GigaBlue IP Box Clients then request the SAT, cable and terrestrial programs from the GIGABLUE server via a special GIGABLUE IP communication protocol. The GIGABLUE server converts all programs into an IP signal and makes these signals available to the GigaBlue IP Box Clients. The GIGABLUE server can supply several IP terminals at the same time. Thus, you can watch SAT TV on iPad and Co at the same time.

Which devices can I use?

As a server, you can only use GigaBlue devices.
When choosing a device, you have a large selection at your disposal. You can receive GIGABLUE on the following devices: Laptop, PC, Smartphones, Tablets, UPNP / DLNA enabled media players, GigaBlue IPTV set-top boxes or directly via the LAN port on your TV.

Due to the SAT IP transmission there are no picture losses. You can receive the full HD quality on the devices. Functions such as teletext, EPG, audio options and subtitles are available. The recording function can also be used.

How many channels can I distribute at the same time?

The number of concurrently streamed channels depends on the quality of the home network. With an HD stream about 20 MBit / s are sent to data. With SD it is about 7-10 Mbps. If you have a normal LAN cabling (100 Mbps) in your home network, theoretically you can simultaneously send 20 HD channels to different end devices. With the SD resolution it would be 40 stations. With a 1 Gbps (1000 Mbps) LAN cabling, the factor increases by up to 50

Advantages Distribute DVB-S / S2, DVB-C, DVB-T / T2 over IP

– Watch satellite, cable and terrestrial TV on many devices that do not have a tuner
– very good picture and sound quality
– DVB-S2 / DVB-C / DVB-T2 reception is possible throughout the house via network only
– no additional cabling is necessary
– There are different transmission paths (LAN, WLAN, PowerLine)
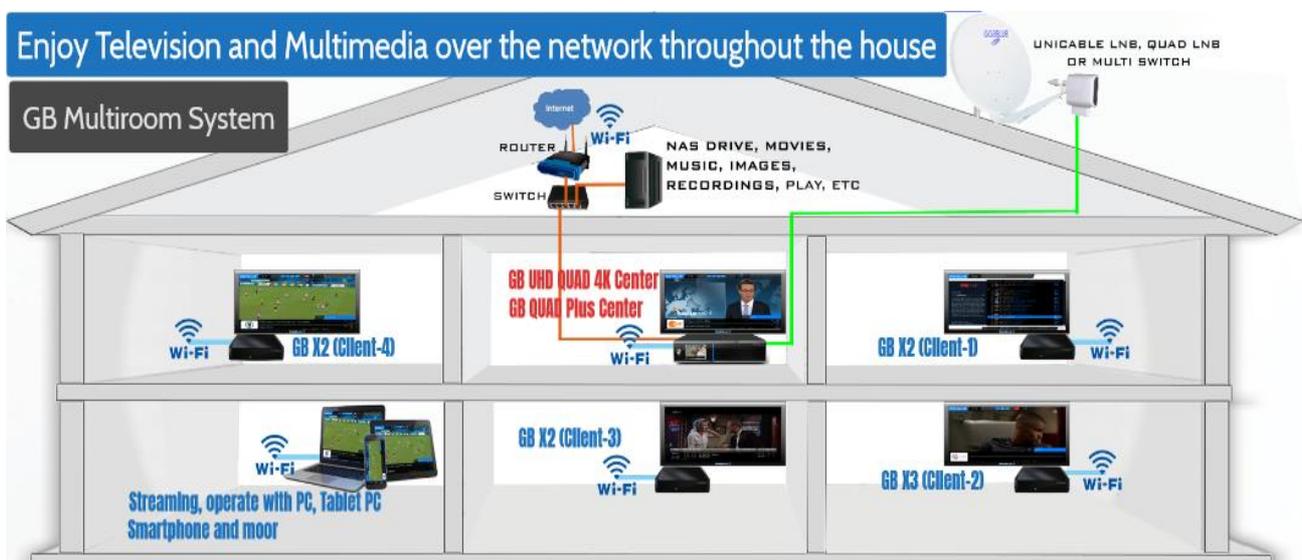
Satfinder GigaBlue Box

SAT Finder

By Satfinder you can easily adjust your antenna.

Menu (**Setup / Tuner / satellite finder** with **OK**. Abb1
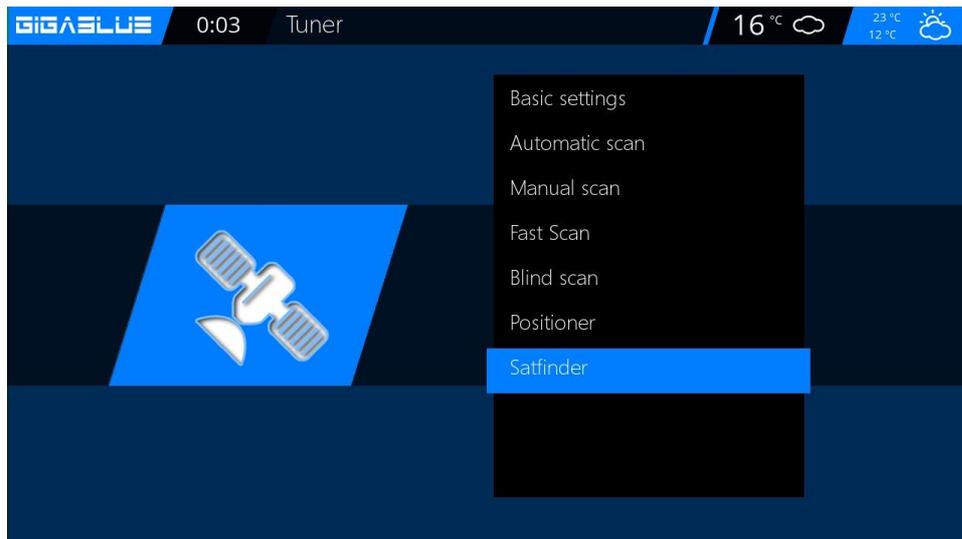
Fig.1

You can change the arrow keys to satellites and transponders. Fig.2

Fig.2

Immediately Recording

Fig.1

Prerequisite here is an internal e-Sata HDD or external HDD to the USB port is connected and set up, see page 40th
An instant recording is started by pressing the **Record** button, it opens to see the menu as shown in Fig.1. You are now 5 options for selection see Fig.1.

1) Add recording the current program.
2) Add Recording indefinitely
3) Add Recording enter recording duration.
4) Add Recording enter recording endtime.
5) Do not recording

Move with the arrow keys ▼ ▲ to the appropriate selection and click **OK** to confirm.

To **stop recording**, press the **Record** button and move with the arrow keys ▼ ▲ to the corresponding selection Punk 8, and then click **OK**. Fig.3
If multiple records have been started, which lie on the same transponder, you will be offered a choice.

You can further broadcasts recording lying on the same transponder, or even watching Fig.4, the channels are not available are **grayed** out.
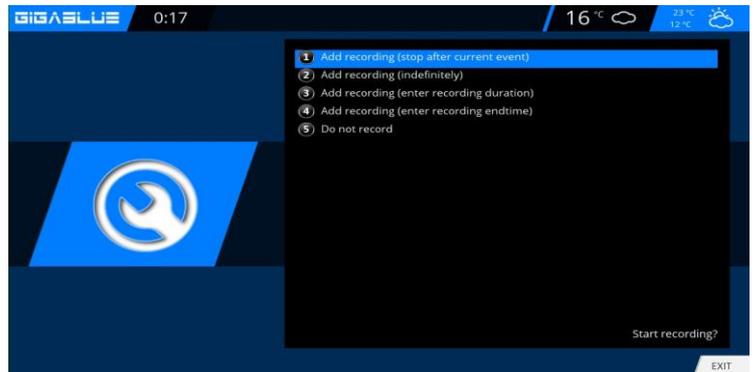
Fig.2
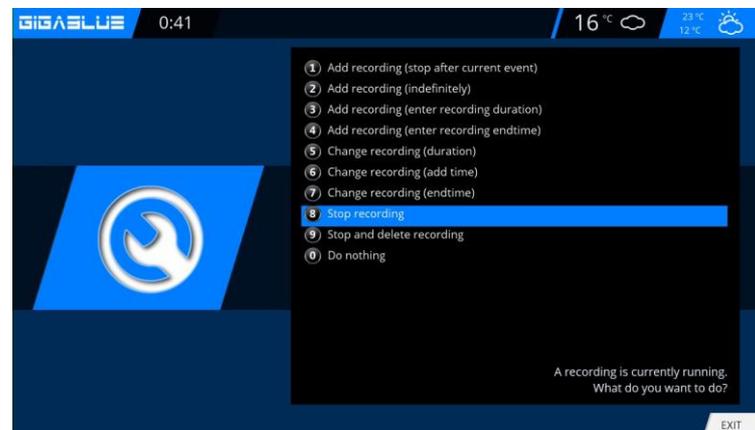
Fig.3
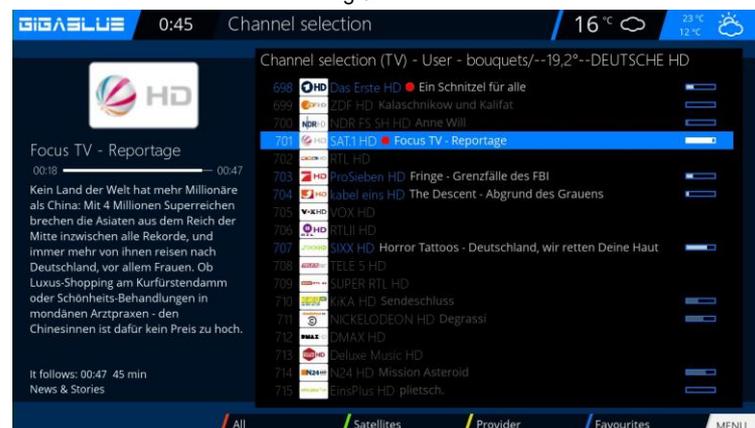
Fig.4

Operation of GigaBlue Box

Immediately Recording

Fig.1

To determine which transmitter is available to open the channel list with the arrow keys ▲ ▼ here is displayed which channel can be recorded or viewed Fig.1.

EPG Recording

Fig.1

Please press **INFO** button **long**.
You have on the screen EPG of the current channel
Select the program you want to record and confirm with the **GREEN** button **Timer set** Fig.1.

Set the guidelines as a Should proceed GigaBlue box.
Then press the **GREEN** button to launch Settings to accept Fig.3.

Fig.2

Fig.3

Timer

Fig.1

Menu / Timer
Here you have several options
Auto Timers
Record
Sleep Timer
Open the main **Menu**, use the arrow buttons ▲ ▼ in **Timer** (timer) and press the **OK** button Fig.1
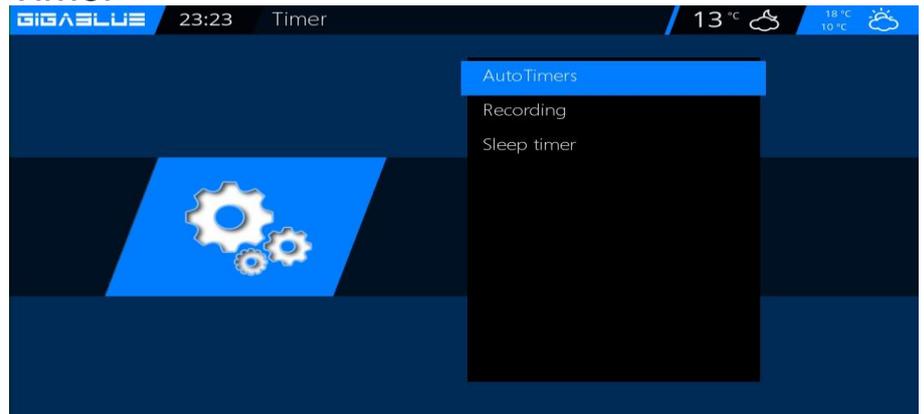
Autotimer Fig.2
Add With the **BLUE** button and select Bouquet program you use the arrow buttons ▲ ▼ in timer (Timer) and confirm with the **OK** button Now you can choose the program and confirm with the **GREEN** button

Fig.2

Recording
Want to select record the program on the Timer Fig.3 press the **GREEN** button.

Clear timer
Menu/Timer/Recording
Select the program you want to delete from the Timer Fig.2 and press the **BLUE** button and **RED** button.
You will see a message if you want to do this, press the **OK** button and the timer is cleared Fig.4

Fig.3
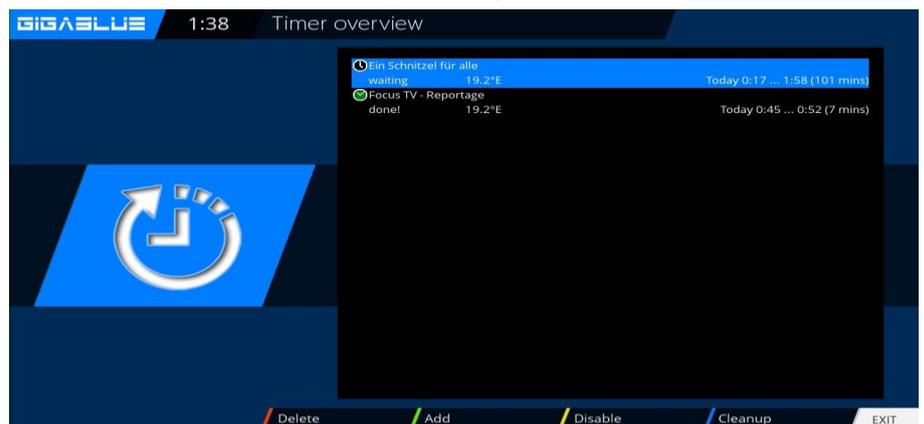
Fig.4

Operation of GigaBlue Box

Front panel

Basic Settings

Open the main **Menu**, use the arrow keys
▲ ▼ to **Setup / System / Front Panel /
Basic Settings** and press the **OK** button
Fig.1.

You can adjust LCD brightness, **mini TV**
in the LCD and activate **PiP** activate the
LCD. Fig.2. press the **OK** button to save.
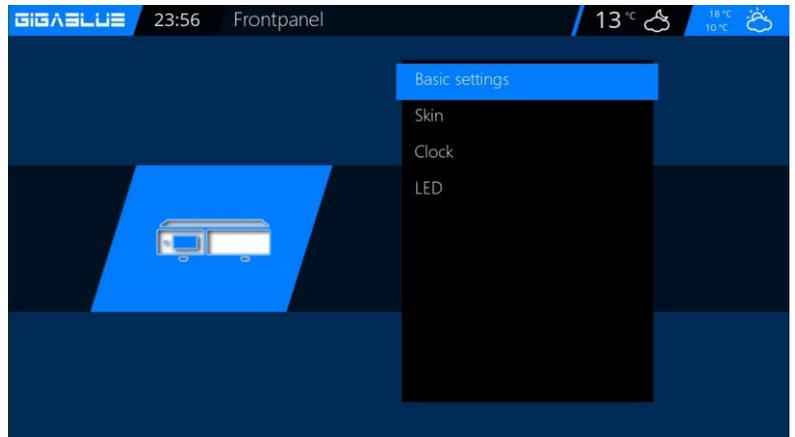
Fig.1
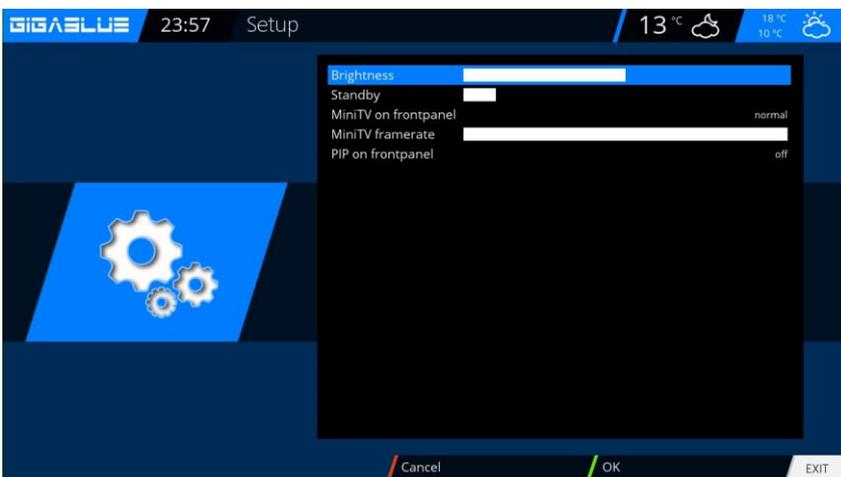
Fig.2

LCD Skin

Open the main menu, use the arrow keys
▲ ▼ to **Setup / System / Front Panel /
skin** and press the **OK** button.

You can select LCD Skin.
For this you use the arrow keys **▲ ▼** the
OK button to confirm to store
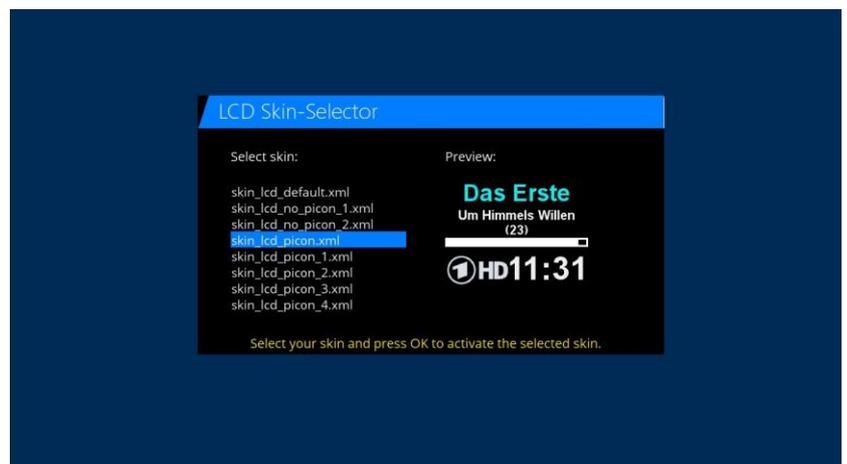
Operation of GigaBlue Box

LCD Clock

Open the main menu, use the arrow keys ▲ ▼ to **Setup / System / Front Panel / CLOCK** and press the **OK** button.

You can select LCD clock.
For this you use the arrow keys ▲ ▼ the **OK** button to confirm the save. Fig.1.
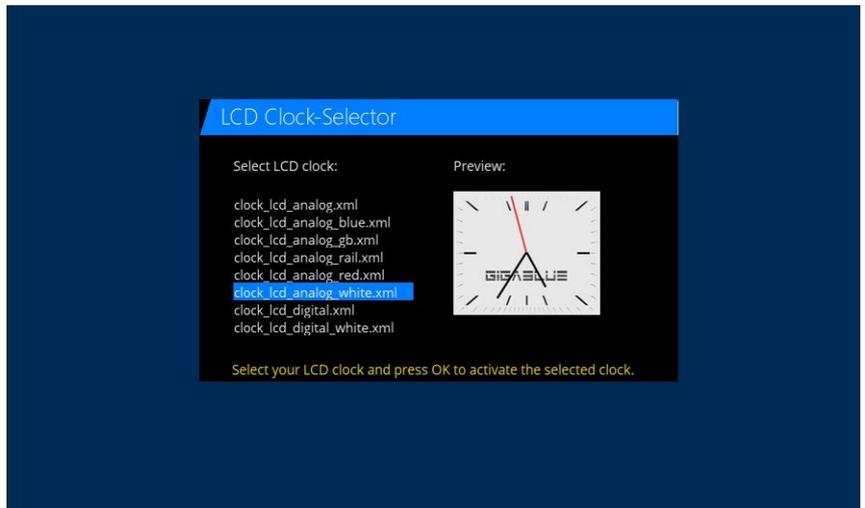
Fig.1

LED

Open the main menu, use the arrow keys ▲ ▼ to **Setup / System / Front Panel / LED** and press the **OK** button.

You can define LED settings to your liking.
For this you use the arrow keys ▲ ▼ <> the **OK** button to confirm the save. Fig.1
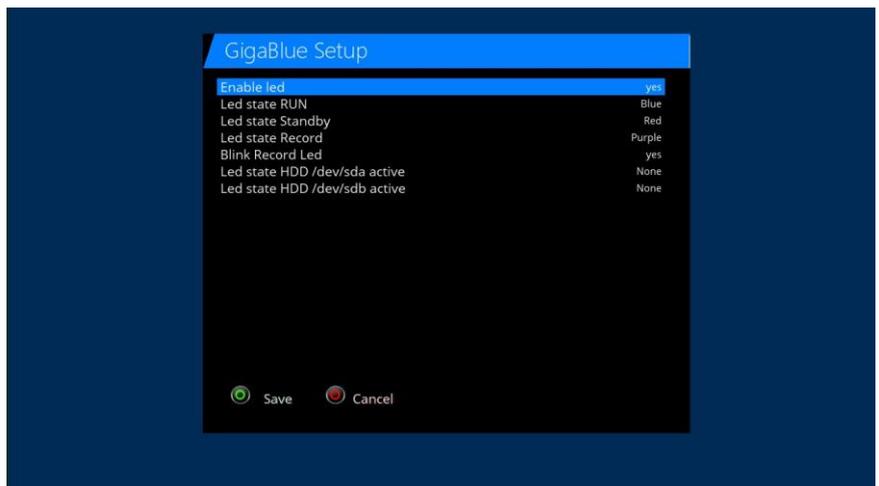
Fig.1

Information

Open the main menu, use the arrow keys ▲ ▼ to **/ Information** and press the **OK** button.
You have information
About (GigaBlue SW and HW)
Network
Service
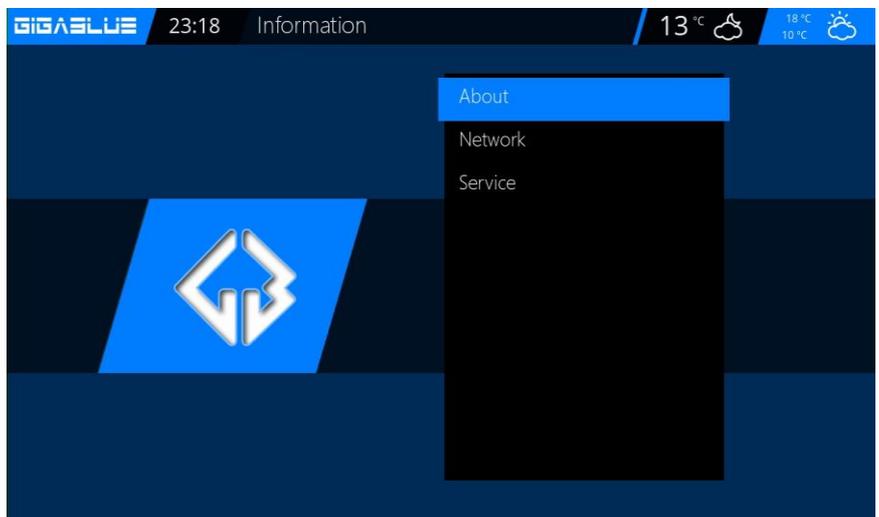
Information
About

About. There will be information on the firmware, HDD and Tuner is displayed
Select channel. There you information of the current channel will be displayed.

GIGABLUE	23:19	About	13°C	18°C 10°C

Openmips 4.2 - GigaBlue HD Quadplus

Kernel version: 3.14.2
Driver: 20150425231245-14.2
GUI Build: 4.2
Flashed: 2015-05-21 08:49
Last upgrade: 2015-07-09 23:16:53

Loadavg: 0.16 0.10 0.07
Flash: Total 431.3 MB Free 345.8 MB Used 85.4 MB (19%)
Ram: Total 559.0 MB Free 454.0 MB Used 104.9 MB (18%)

Detected NIMs:
Tuner A: BCM7346 DVB-S2 NIM (internal) (DVB-S2)
Tuner B: BCM7346 DVB-S2 NIM (internal) (DVB-S2)

Detected HDD:
none

Network

Select **Network**. There will be information on the Network, Network information is displayed

GIGABLUE	23:20	Network	13°C	18°C 10°C

IP: 192.168.0.118
Netmask: 255.255.255.0
MAC: 90:98:64:00:4A:B1
IP: 192.168.1.113
Netmask: 255.255.255.0
MAC: 00:0B:81:97:00:2F

Bytes received: 14374
Bytes sent: 23602

Hostname: gbquadplus

Accesspoint: Not-Associated
SSID: No Connection
Link Quality: 0
Bitrate: False Mb/s
Signal Strength: 0
Encryption: Disabled

Network: WLAN connection
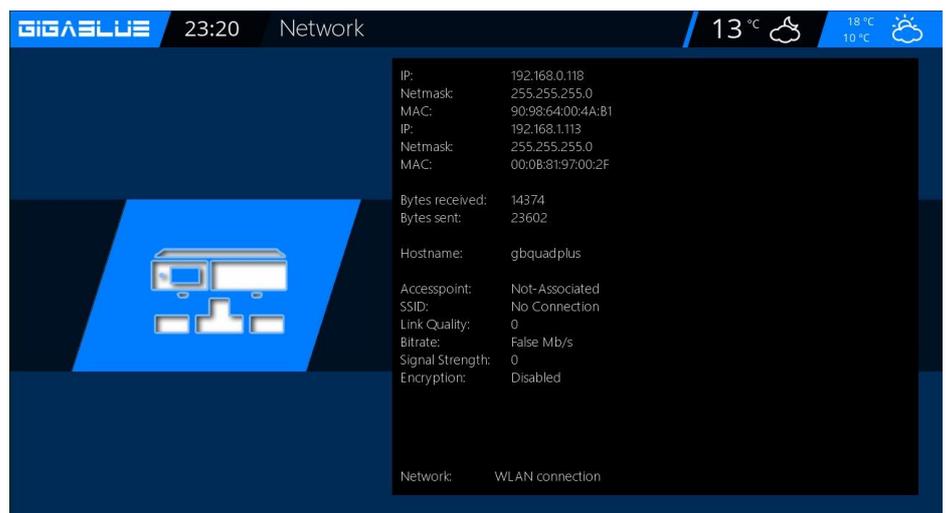
Channel

Select **Service:** There will be Information on the channels

RED Button Channel Info's
GEEN Button PIDs
YELLOW Button Transponder
BLUE Button Tuner-Status

GIGABLUE	2:09	Serviceinfo	16°C	23°C 12°C

Name: Das Erste HD
Provider: ARD
Videoformat: 16:9
Videosize: 1280x720p50
Videocodec: MPEG4
Namespace: 0x00c00000
Service reference: 1:0:19:283D:3FB:1:C00000:0:0:0:

| Service | PIDs | Multiplex | Tuner status | EXIT |
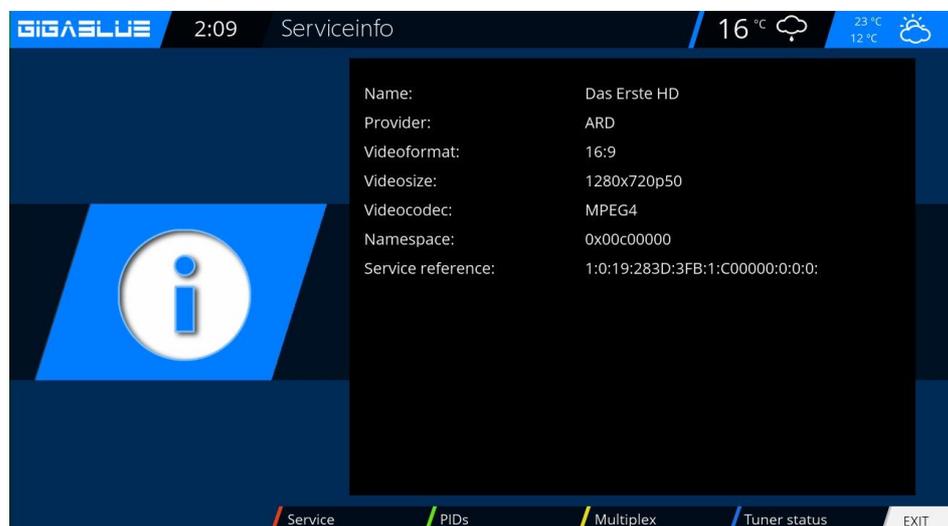
Software Update GigaBlue Box

Please back up software settings.
Before making software update please backup your settings

Backup system Settings

To back up settings, you need USB flash drive or USB HDD if you have a USB flash drive or USB HDD connected to GigaBlue. Go to the Menu **Setup /System / Software Management / Backup system Settings** and press the **OK** button. Fig. 1
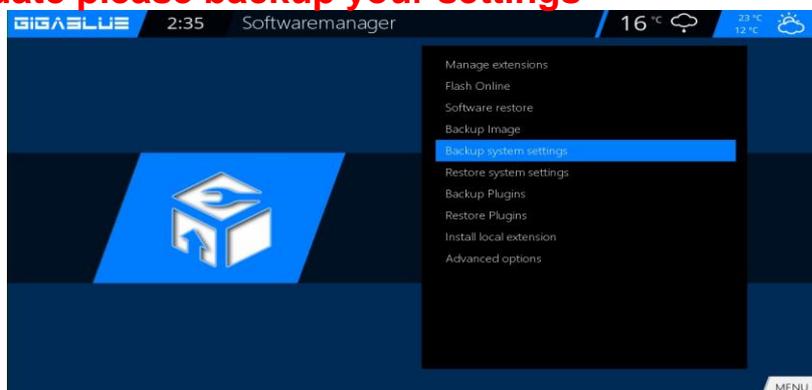
Fig.1

Restore settings Software

After the Software update to restore stored settings.
Go to the menu **Setup/ System / Software Management /Restore settings** and press the **OK** button. Fig. 2
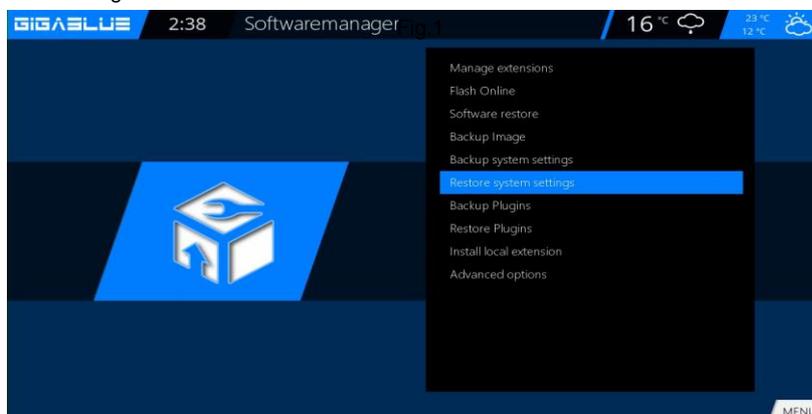
Fig.2

Backup Image

To Backup Image, you need USB flash or USB HDD if you have a USB flash or USB HDD connected to GigaBlue.
Go to the Menu **Setup /System / Software Management / Backup Image** and press the **OK** button. Fig. 3
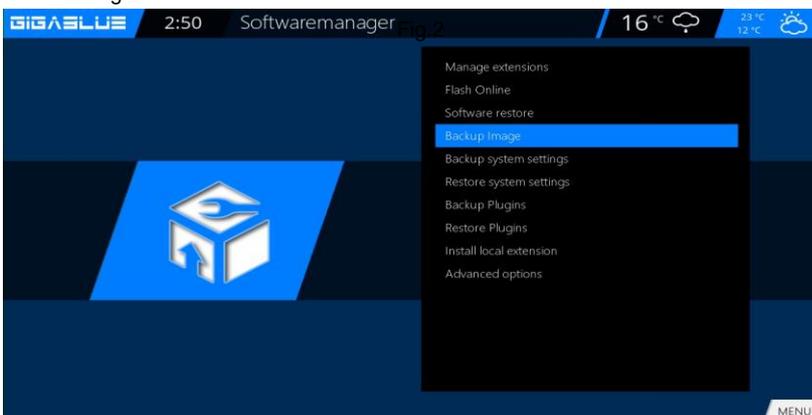
Fig.3

Software Restore

After the Software update to restore stored settings.
Go to the menu **Setup/ System / Software Management / Software Restore** and press the **OK** button. Fig. 2
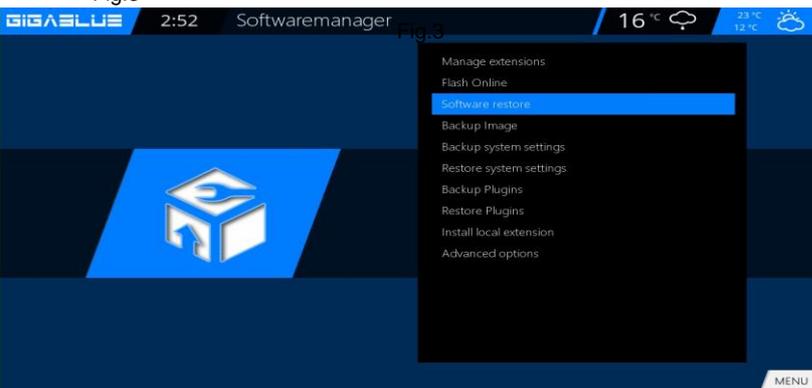
Fig.4

Software Update

Software Update via Internet

Go to in **Menu / Setup**
Software update and press the **OK** button. Fig. 1
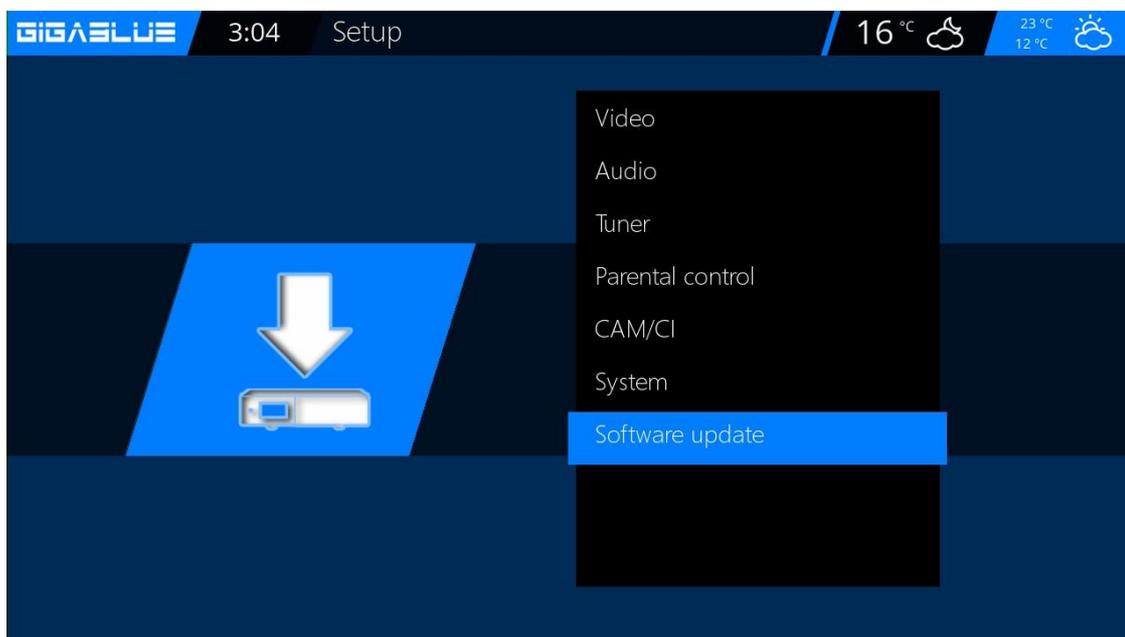
Fig.1

Now go to Software update and press **OK** button**.** Fig. 2
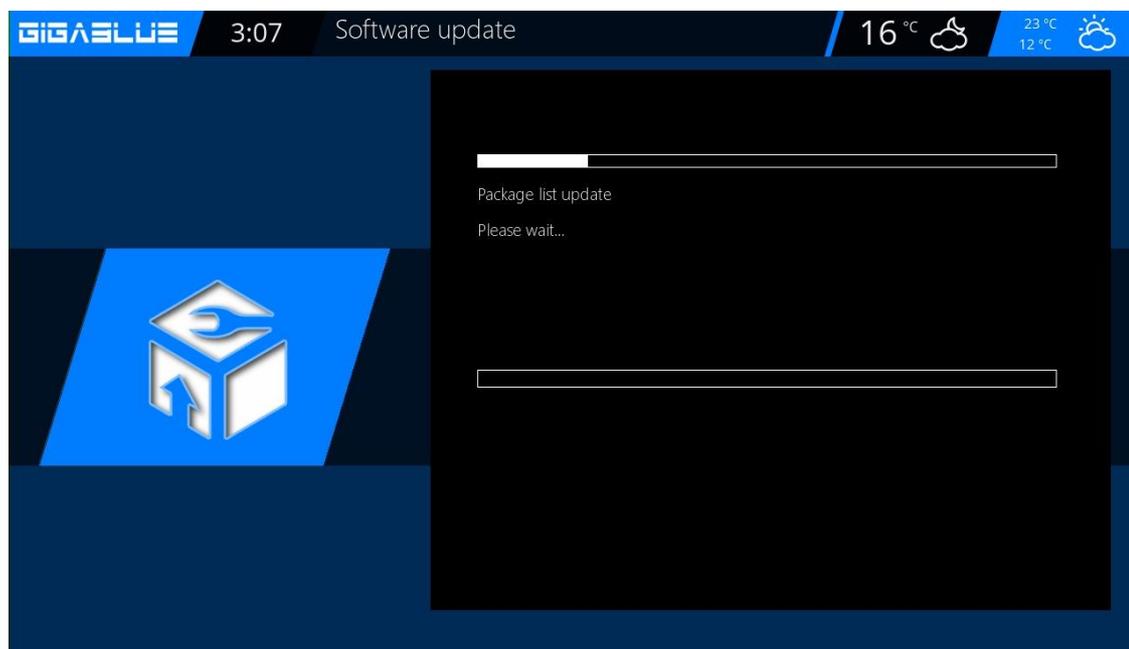
Fig.2

Software Update GigaBlue Box

Software Update via Internet

It is now looking for the latest software. Fig. 3
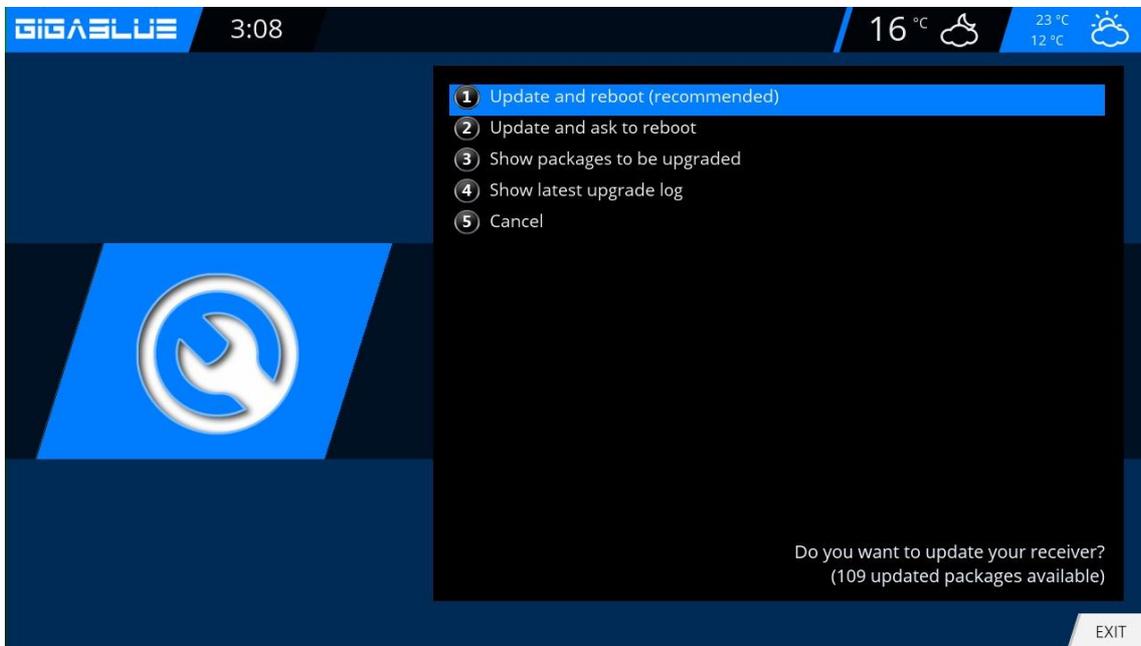
Fig.3

After successful search, you press the OK button. The latest software is now installed on your GigaBlue box. Fig.4
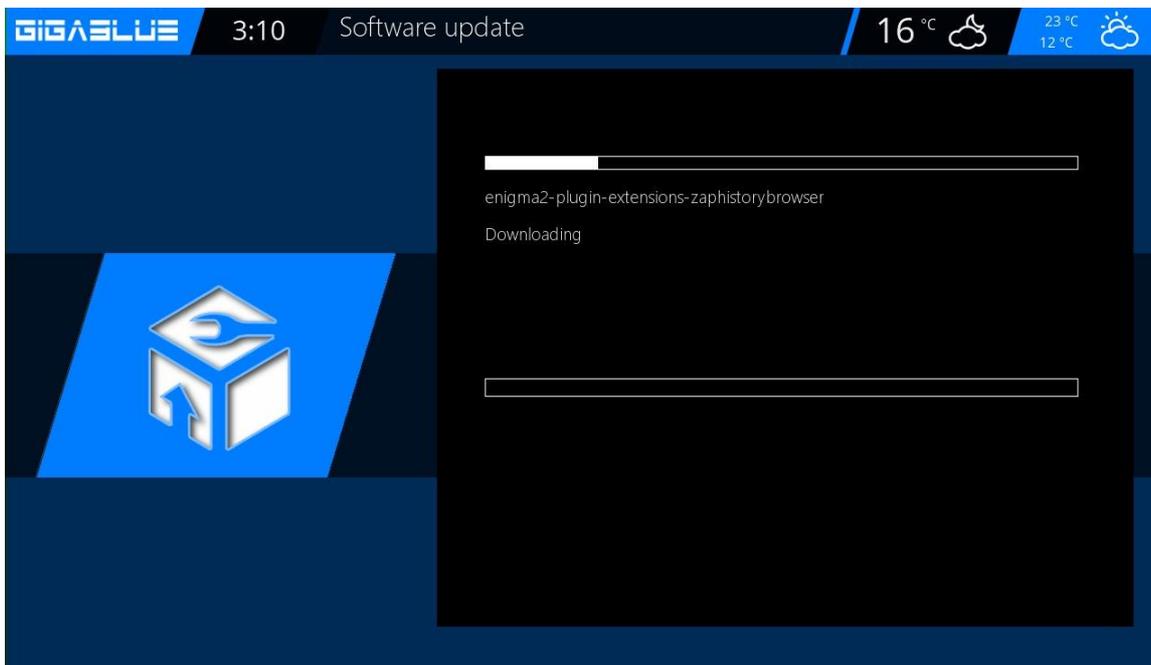
Fig.4

Software Update GigaBlue

Software Update via Internet

After completion of the update, you will be asked whether the GigaBlue box to restart. Confirm with the OK button. Fig.5.
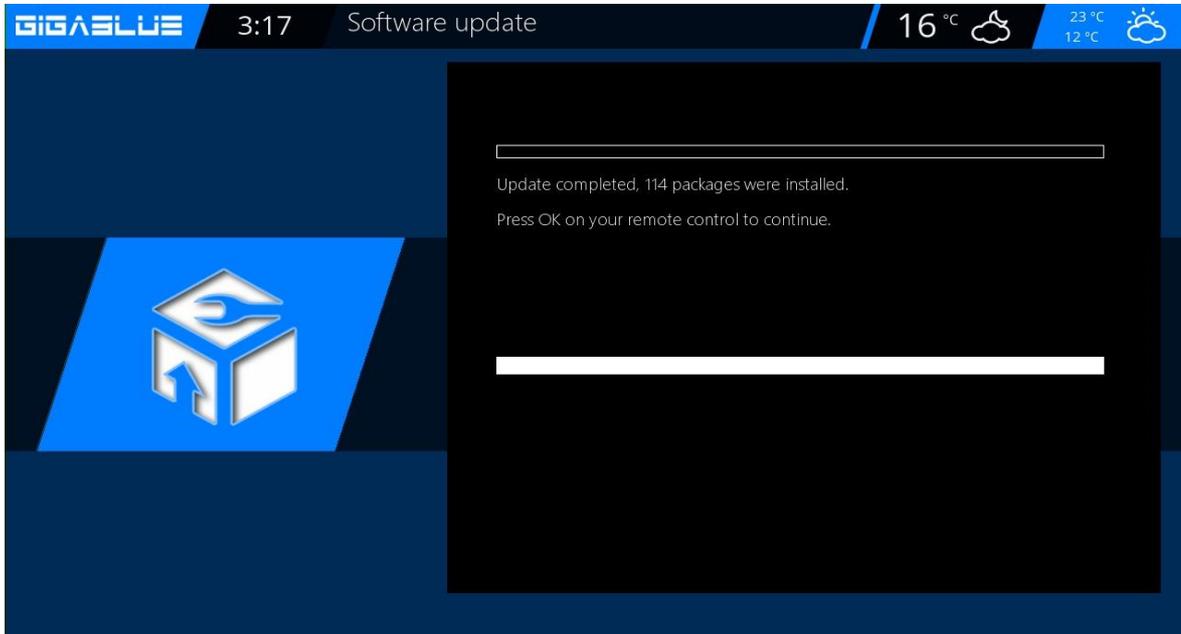
Fig.5

If you look like in Fig.6 message shown currently no update is on the server.
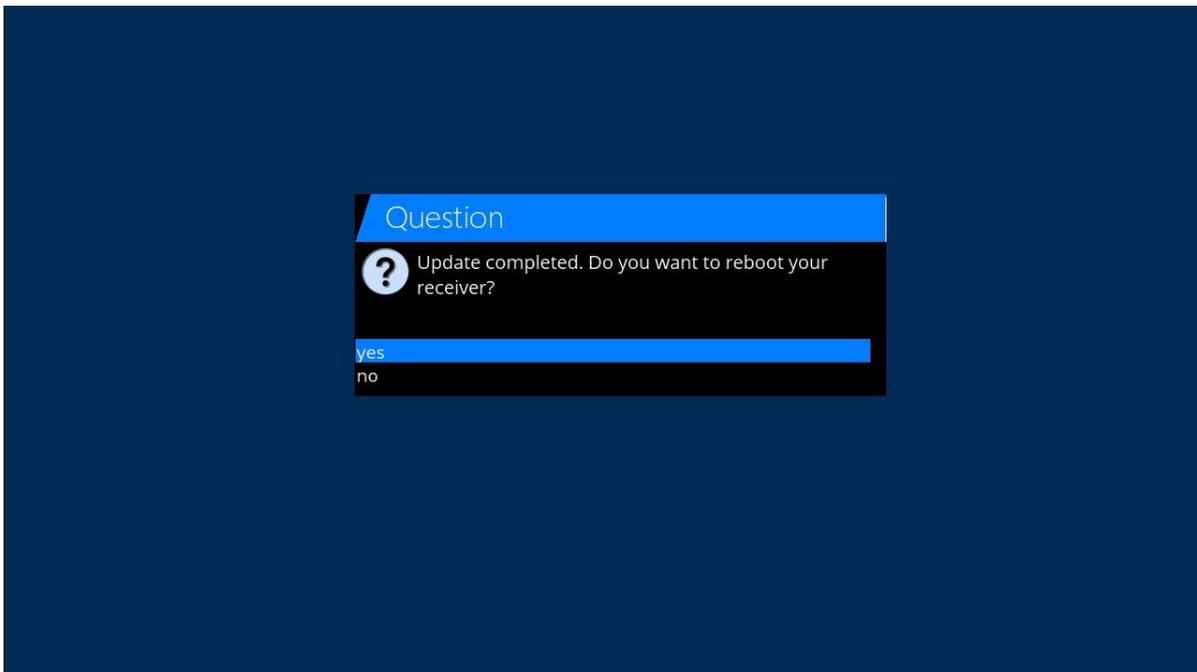
Fig.6

Update GigaBlue Box

Install Firmware

Perform firmware update at the GigaBlue box, please go to the site
http://gigablue-support.com. There is described in each step. As an
update is performed, this forum is always up to date. To make a software
update via the Internet, follow the steps described on pages 68 and 69.
Or visit the page http://www.gigablue.de support & Selling /Download
service where you can also, if you register, add your own experience.

Installing Extensions

Please go to Menu / Extension and press the **GREEN Button.** Fig.1.
The plugin information is loaded.

Scroll down to the next screen folder and open the folder with the OK button.
Select the extension and now start downloading the OK button and confirm the
next window with Yes Fig.3. The download will start. After a reboot, click the
Browser under the Menu **extensions**.
You can install **extensions** prepared by us under **extensions**

You can install **Picons** prepared by us under **Picons**

You can install **Channel-list** prepared by us under **Settings**

You can install **Skins** prepared by us under **Skins**

You can install **Systemplugin** prepared by us under **Systemplugins**
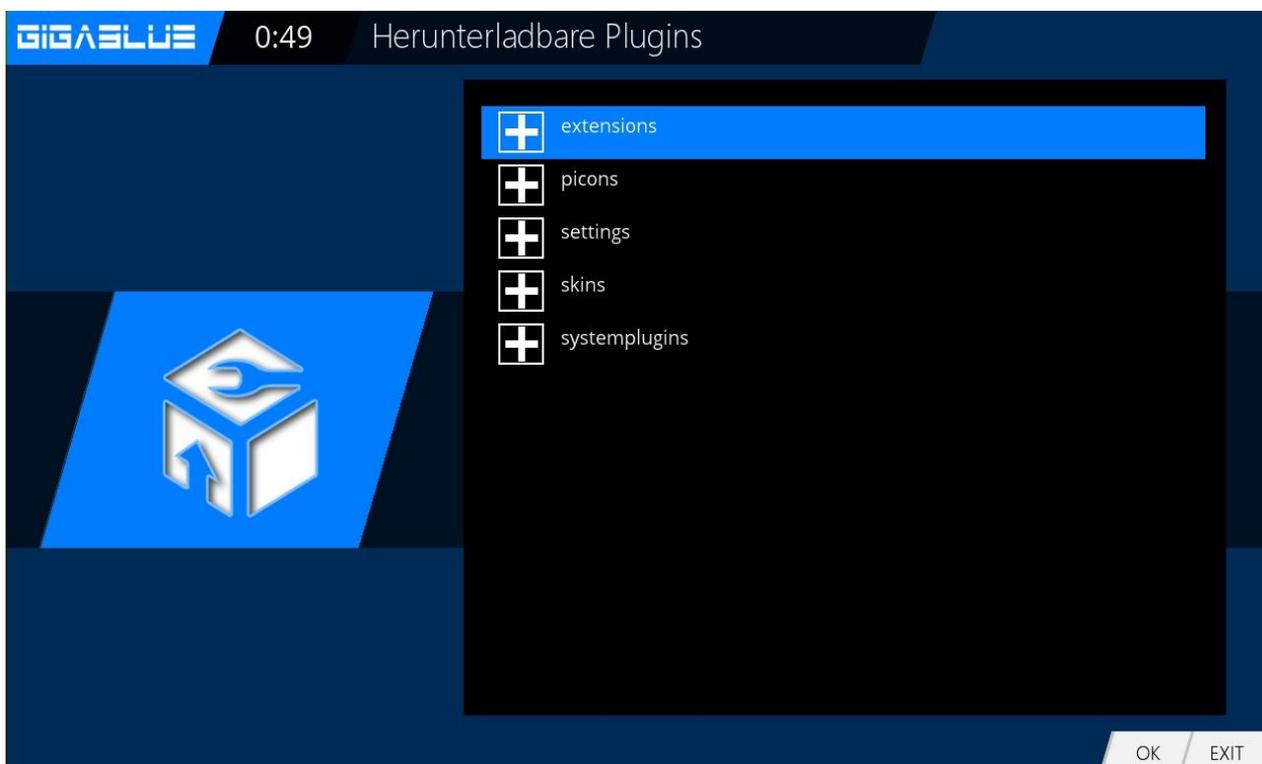
PiP GigaBlue Box

PiP Picture in Picture

You can enable PiP when
pressing 2x **BLUE** button.

PiP Picture in Picture

If you press 1x **BLUE** button. Fig.1

The following options are available
RED Button: Put focus on the main
screen
GREEN Button: Move Picture in Picture
YELLOW Button: exchange channels
BLUE Button: Picture in Picture disable
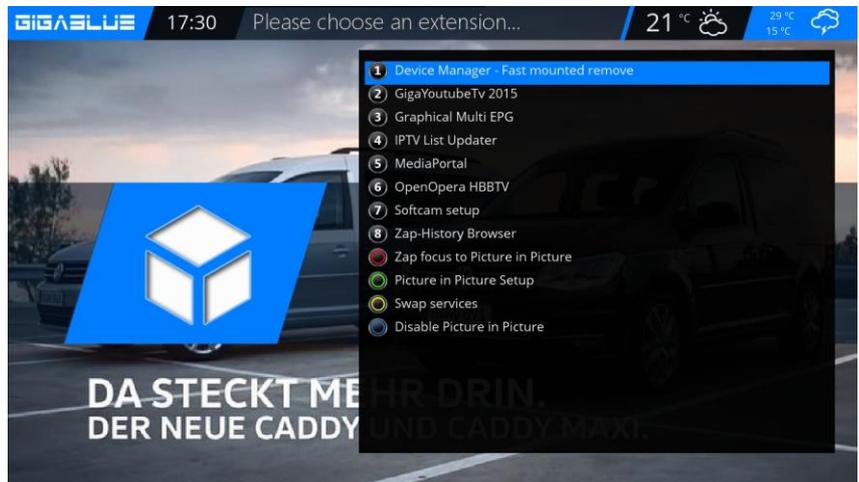
Fig.1

- **Put focus on the main screen**
  When PiP is activated, you can
  enable zap with the **RED** button.
  For the main Window. You can
  switch program in the channel list

- **Move Picture in Picture**
  You can use the **GREEN** button to
  move the PIP window and resize.
  You can PiP window move with
  the arrow keys ◄► ▼ ▲ on the
  remote control. The size of the
  window can be changed with the
  channel button ▲ ▼.
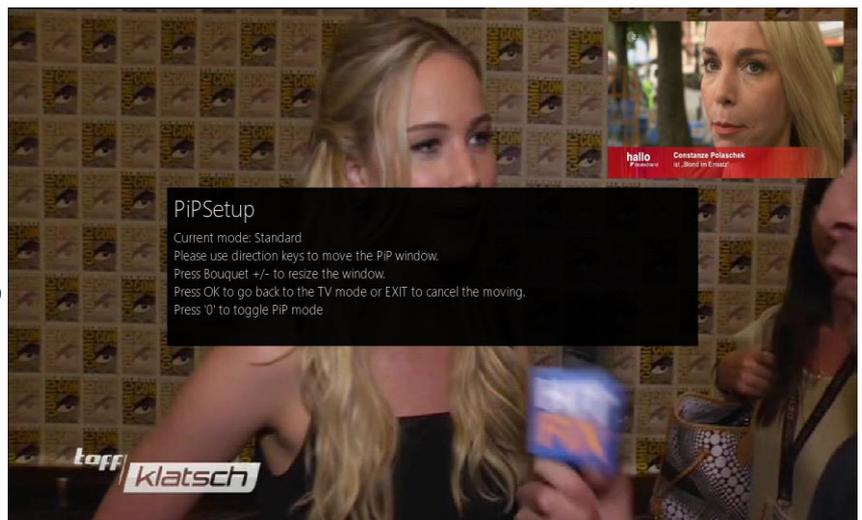
Fig.2

- **Exchange Channels**
  You can use the **YELLOW**
  button When PiP is
  activated, you can PiP
  swap main channel

- **Picture in Picture disable**
  F.1.
  You can use the **BLUE** Button:
  Picture in Picture disable

GigaBlue Quad PiP

Quad PiP Picture in Picture

Fig.1

You can enable PiP when
pressing 1x **BLUE** button und
select Enable Quad PiP Press Ok Button Fig.1
If you press Menü button.

The following options are available
RED Select
GREEN Button: Add Channel
YELLOW Remove
BLUE Edit
- Sender hinzufügen über die **Grüne- Taste**
- Add channel via the green button
- Select bouquet with the blue button to select
the first station Fig. 2 and Fig. 3
- Insert the first station to the desired location
- Select second station
- Insert the second station to the desired location
- Select third station
- Insert a third party station into the desired
location
- Select fourth station
- Insert fourth station to the desired location
Figure 4

It has been put together a bouquet with four
programs, more bouquets with four programs
can be created-

Fig.2
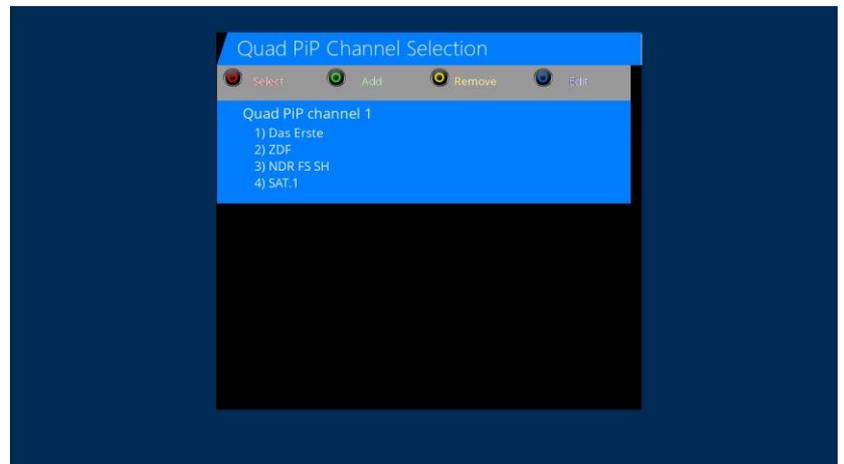
Quad-Pip z.B. mit BLAU aufrufen.

Taste	Funktion
Mute Taste	Ton Stumm
rot	umschalten auf markiertem Sender (Vollbild)
OK	Aufruf OSD
Steuerkreuz	Markiert das Programm von welchem der Ton wiedergegene werden soll
Volume +	Lautstärke erhöhen
Volume -	Lautstärke veringern
EPG	Zeig sendungsdeteils des markierten Senders an
Exit	Beenden
Channel +/-	Quad-Pip Bouqet und Senderauswahl
Menü	Quad-Pip Bouqet und Senderauswahl
Menü	Quad PiP Einstellungen wird noch kommen

Update GigaBlue Box

Extensions

Open the main menu, use the arrow keys ▲ ▼ to **extensions** and confirm with the **OK** button or 1x **GREEN** Button
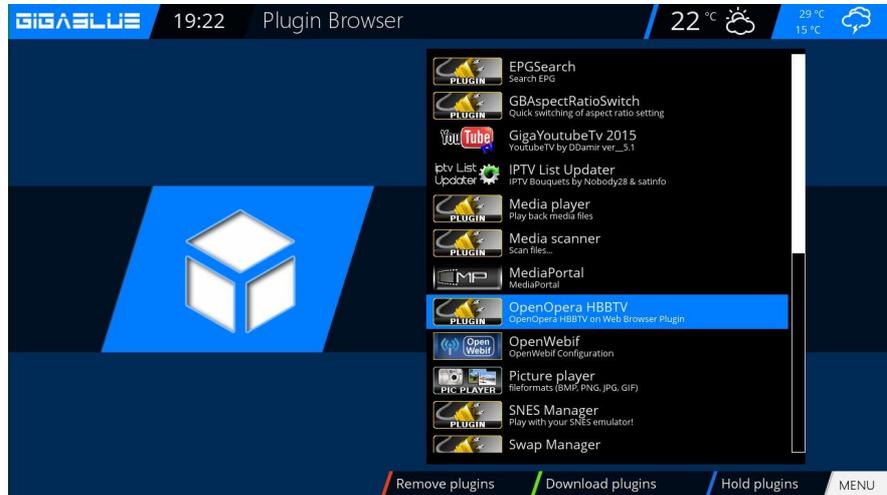
Installing Extensions

Please go to Menu / Plugin and press the **GREEN Button.** Fig.1.
The plugin information is loaded.

Scroll down to the next screen folder and open the folder with the OK button.
Select the extension and now start downloading the OK button and confirm the next window with Yes Fig.3. The download will start. After a reboot, click the Browser under the Menu **extensions**.

You can install **extensions** prepared by us under **extensions**

You can install **Picons** prepared by us under **Picons**

You can install **Channel-list** prepared by us under **Settings**

You can install **Skins** prepared by us under **Skins**

You can install **Systemplugin** prepared by us under **Systemplugins**
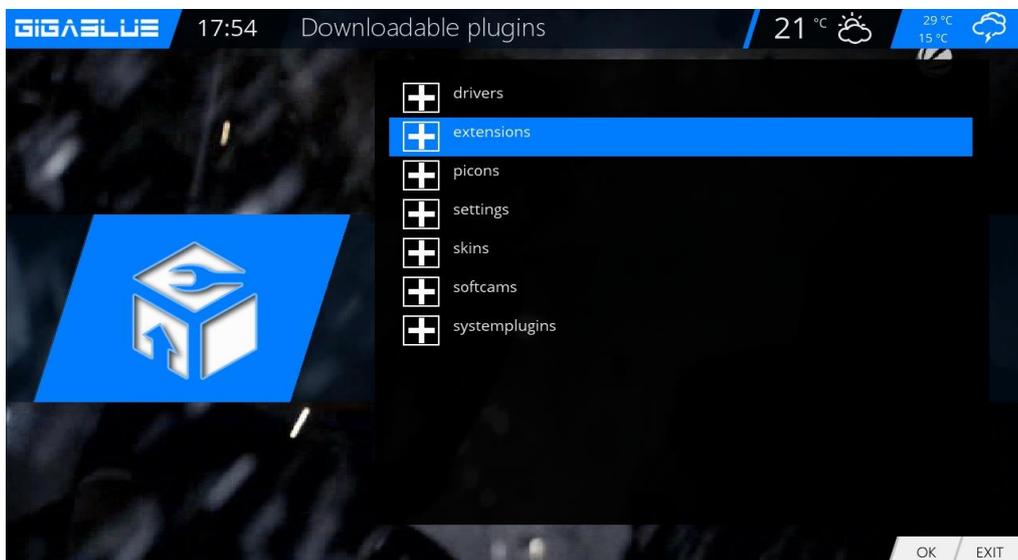
Fig.1

Update GigaBlue Box

User Interface / Basic Settings

Go to the menu and use the arrow keys ▲ ▼ ◄► **Setup / System / User interface / basic settings** and confirm with **OK**

Use the arrow keys ▲ ▼ ◄► to change the information on the channel list, EPG, skin, etc.

Press **OK** to save.

Show animation while busy	yes
Show positioner movement	no
Show positioner position	no
Enable multiple bouquets	yes
Multi-EPG bouquet selection	no
Alternative numbering mode	no
Hide number markers	yes
Show channel numbers in channel selection	yes
Show event-progress in channel selection	Progress bar right
Show service type icons	None
Show crypto icons	None
Show record indicator	Right from servicename
Show columns	Disable
Show picons in channel list	yes
Customize channel list cursor behavior	Keep service
Enable 'neutrino' style zap controlling	no
Enable 'neutrino' style channel select controlling	no
Enable zapping with CH+/-, B+/-, P+/-	yes
Enable OK for channel selection	no

Button allocation

Go to the menu and use the arrow keys ▲ ▼ ◄► **Setup / System / User Interface / Hot Key** and confirm with **OK**

The key allocation feature allows you to customize the buttons on your remote control to your wishes. Here is an example using the web browser.

Please use the Button of which is to be occupied, in our case F4 Abb2 and confirm by pressing the **OK** button. This will open as shown in the displayed menu. By pressing the blue button (Add) opens.

There you have the option of either a function of GigaBlue box or a plugin inflict added.

Red long
Green long
Yellow long
Blue long
F1/LAN
F1 long
F2
F2 long
F3
F3 long
F4
F4 long
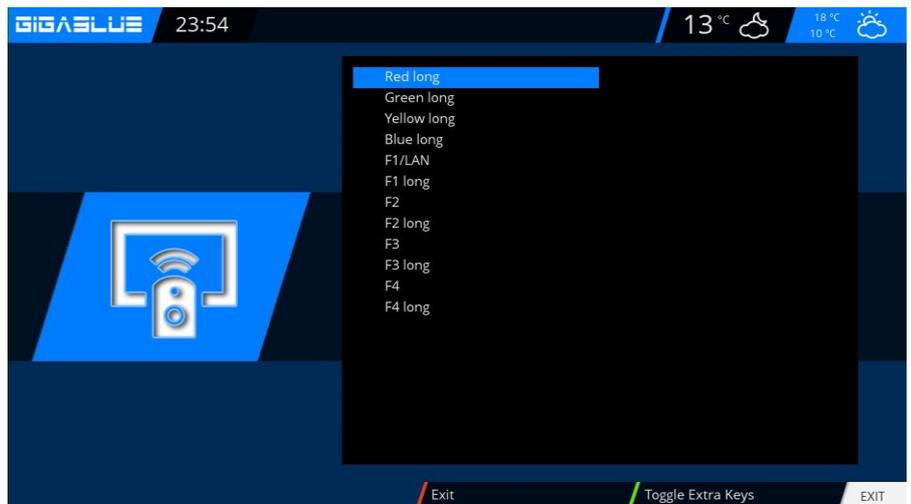
Operation of GigaBlue Box

User Interface / Skin

Skin

Go to the menu and use the arrow keys ▲ ▼ ◄► **Setup / System / User Interface / Skin and confirm with OK**

Use the arrow keys ▲ ▼ ◄► to select Skin and accept with **OK**
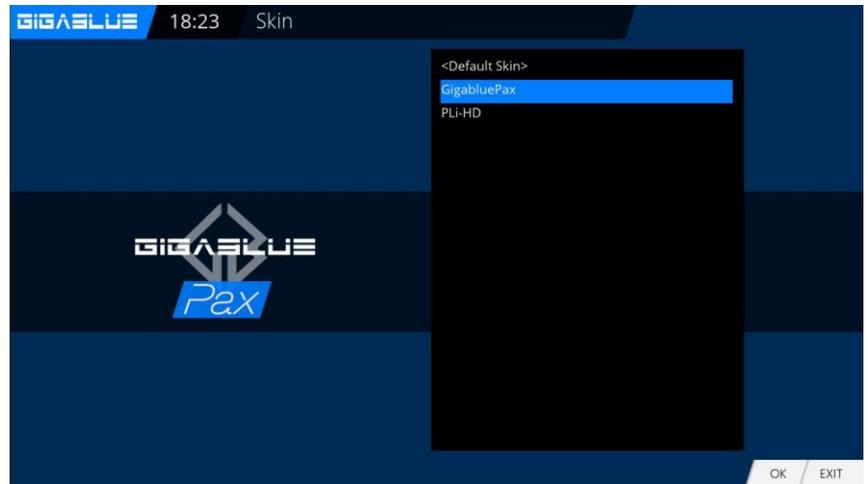
Weather

Open the main menu, use the arrow keys ▲ ▼ to **Setup / System / User Interface / WeatherGigaBlue Pax** and press the **OK** button.
Navigate the menu using the arrow keys ▲ ▼ ◄► enter the Weather ID and press the **OK** button to save. Abb1.
You can find weather ID number under the site http://metrixweather.open-store.net/gigablue
Please enter your zip code or city name and press Search, you will see weather ID.
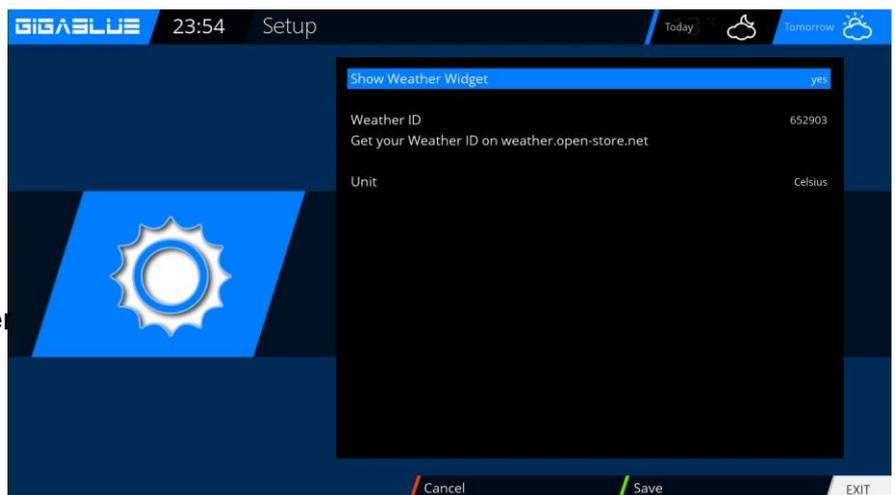
Position and Size

Go to the menu and use the arrow keys ▲ ▼ ◄► **Setup / System / userinterface / location and size** with **OK**
Use the arrow keys ▲ ▼ ◄►, you can adjust margins and select accept with OK
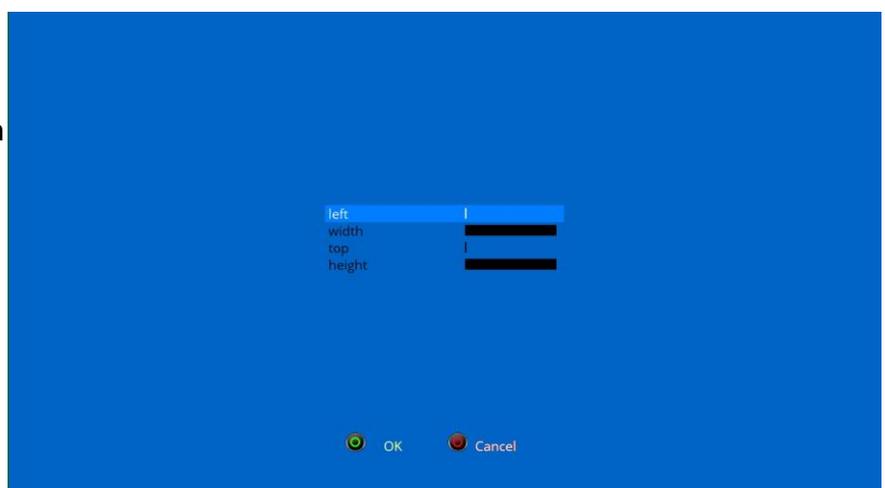
Webbrowser GigaBlue Box

Install Webbrowser

Please go to the Menu **Extensions** and press the **GREEN** button. Fig.1
The plugin information is loaded. Scroll down to the next screen, **extensions** and open the folder with the **OK** button.
Now go down to open Opera Fig. 2 Start the download with the OK button and confirm the next window with Yes. Fig.3.
The download will start.
Please wait until installation is finished. After installing please GigaBlue Box start new.
You can find the browser Under the Plugin Browser Fig.3. Opera Webbrowser
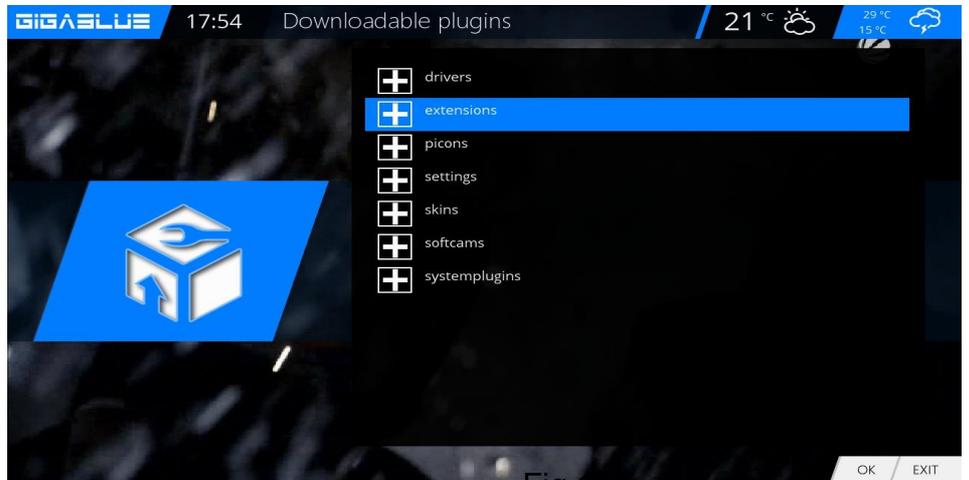
Fig.1

Fig.2.

Fig.3

Webbrowser navigate

Please connect via the USB port, a cordless keyboard and mouse or GB RCU with the keyboard. You can use the Web browser to the **GigaBlue Remote Control**. Please press **Menu** button Fig.2
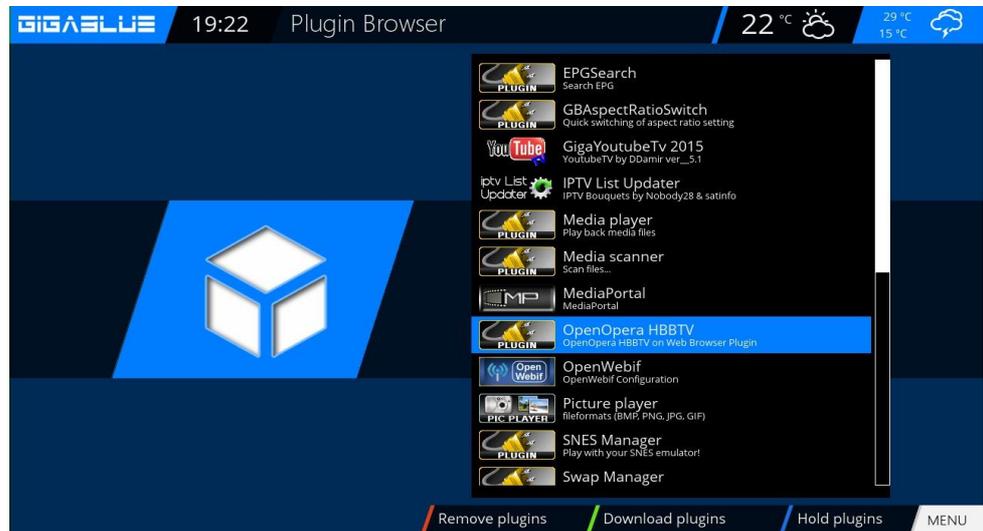
Fig.1

Fig.2
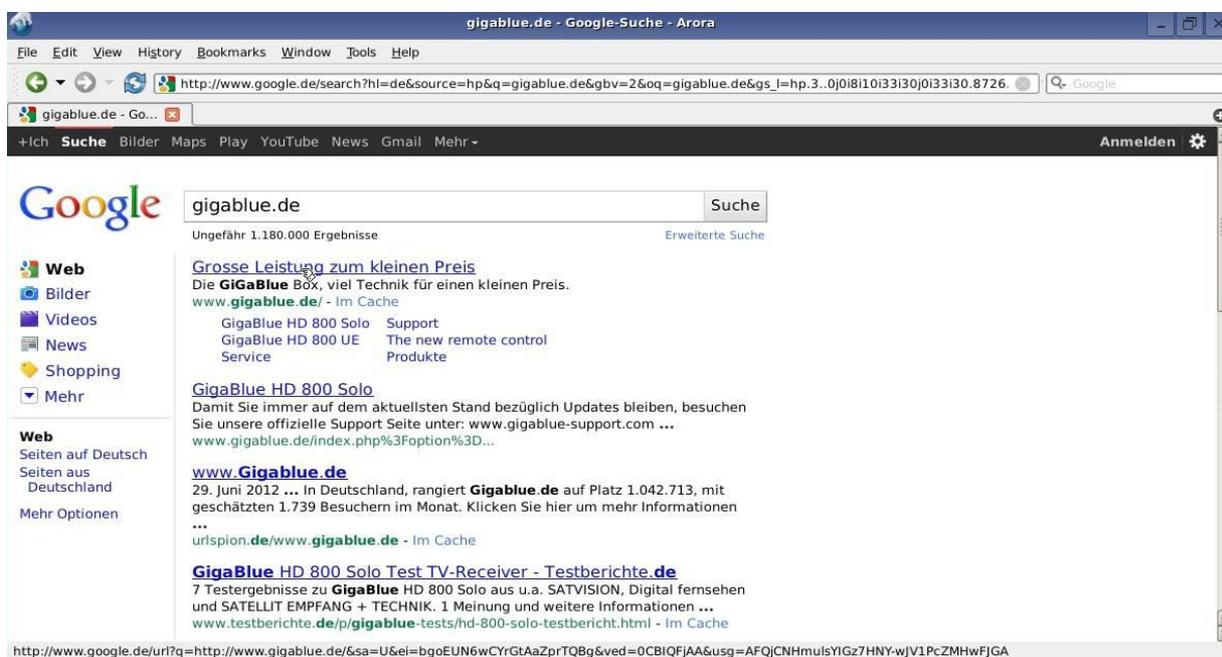
Web interface

Web interface

Web-IF, the web interface of GigaBLueBox is a part of the image. Get the latest and the expert versions of WebIf there by CVS. You can access the Web user interface of GigaBlueBox via the WLAN / LAN connection. Serve with a browser. Via the Web Interface current states of the box are displayed (current station, EPG etc.) and it can control commands are passed on to the box.

Now open your Internet browser and type in the address bar the IP address of the box and confirm with the Enter key example 192.168.xxx.xxx and it will start the Web Interface, 192.168.xxx.xxx:8080 starts OpenWebinterface.

Here you can find all kinds of features to Live TV watch, schedule recordings, check the box and much more
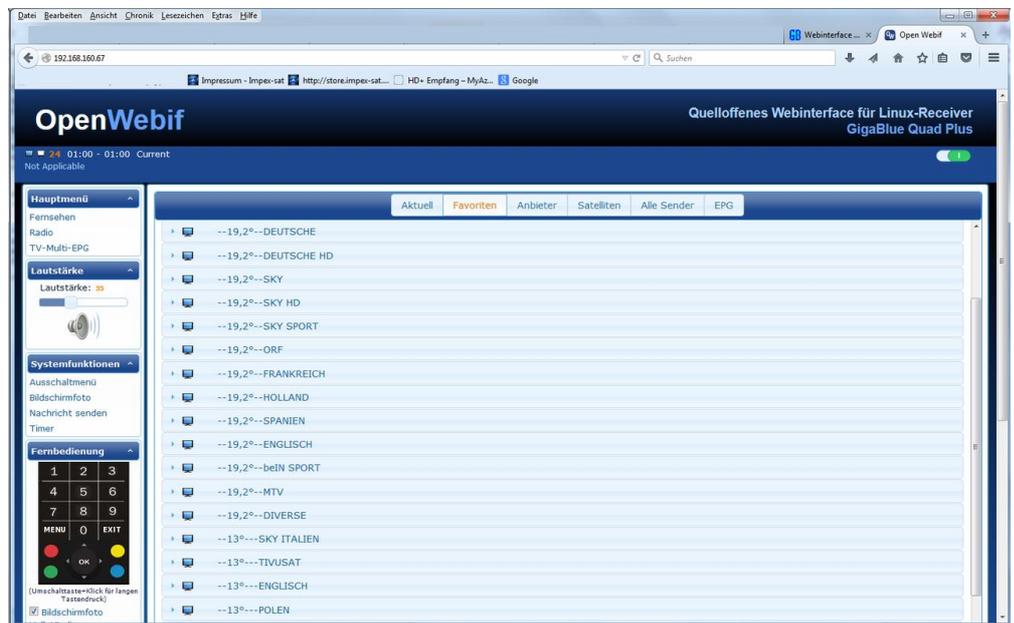
GigaBlue Player for Mobile devices

You can also Gigablue Player app for mobile devices free download and install, for android, iOS from Google Player and from ITunes Store

You can operate your GigaBlue box with the app, as well as TV shows, schedule recordings, check the box and much more
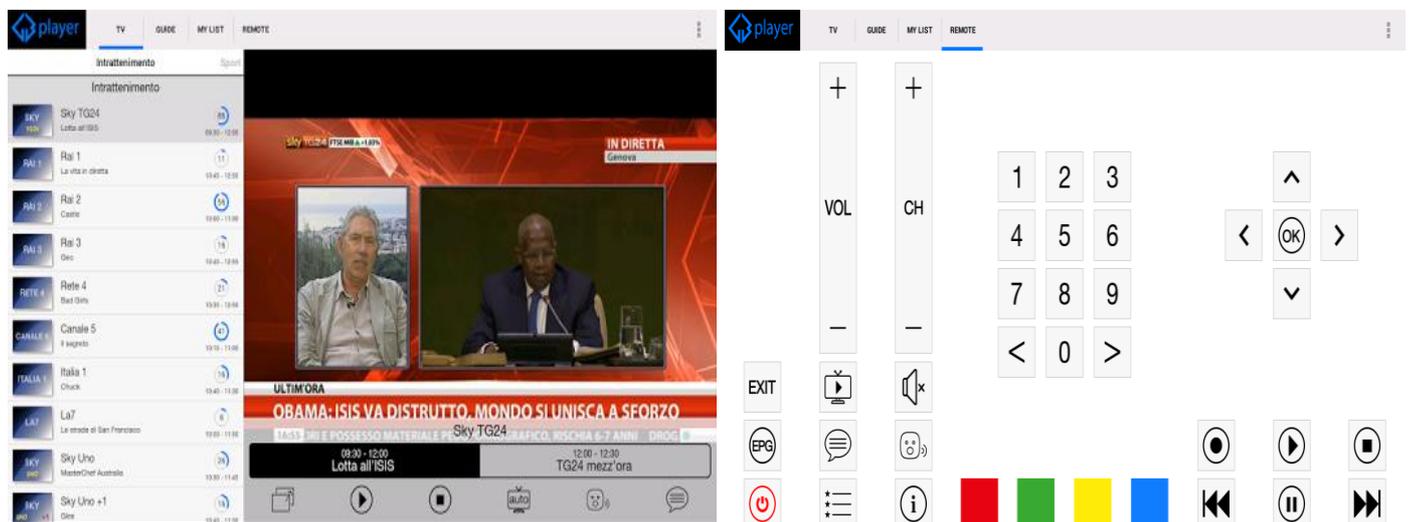
Problem-solving

Debugging

Problem	Possible Cause	Remedy
The display on the front panel does not light up.	The power supply is disconnected.	Check whether the AC adapter and the power cord is connected, and connected to the Socket.
No Signal.	GigaBlue Box receives no Signal.	Check the antenna cable i fit is properly connected Check antenna configuration
	Wrong Tuner configuration.	Go to the Tuner Menu and check settings
	Satellite dish misaligned LNB defective.	Check the signal strength with a spectrum analyzer and adjust satellite antenna Replace if necessary the LNB
No Picture no Sound	Wrong connection of the Audio/Video output of GigaBlue Box for TV (HDMI)	Pls. Connect HDMI cable to GigaBlueBox and with your TV device
	The sound is muted	Press the Mute button on the Remote Control
	TV power is off	Turn on the TV device
The remote does not function	Batteries are empty.	Replace the batteries

Technical Specifications

General Information:

System	GigaBlue UHD Quad 4K
CPU	BCM7352s
RAM	2GB DDR4
FLASH	4GB MMC FLASH
Dimensions	300mm x 240mm x 63mm
Front	
IR Receiver	1 x IR
Button	8 x Button
Indecater LED	2 x LED
Front Display	Large TFT color display
USB 2.0	1 x USB Host
CI-Modul	2 x CI Slot
SmardCard	2 x S/C Slot
Cards	Dual Cards
Rear	
DVB -S2 IN	2 x Input FBC
DVB -S2 OUT	internal loopthrough
PnP Tuner 1	DVB-C/T2/S2/S2X
Wlan	Optional
Bluetooth	Optional
SD CARD	1x SD Card Slot
HDMI	1 x HDMI Output 1x HDMI Input
E-SATA	1 x E-SATA
USB 2.0 / 3.0	2 x USB Host / 2 x USB Host
S/PDIF	1 x Optical
RS-232	1 x RS-232
Ethernet	1 x RJ45:1000Mbps (1 x Gbit)
Power Switch	1 x I/O Switch
DC Input Jack	1 x Jack
Power	
E-PSU	12V/5A

Technical Specifications

Supplementary Infos:

Output Digital:
Output level 0,5 V an 75 Ohm
Abtastfrequenz 32 kHz, 44.1 kHz, 48 kHz
SPDIF Output optisch

Output Video:
Output level FBAS 1 V +/- 0.3 dB an 75 Ohm

Video-Parameter:
Input level FBAS 1 V +/- 0.3 dB an 75 Ohm
Teletext filtering corresponding ETS 300 472 Standard

TV-Scart:
Output: FBAS, RGB selectable via OSD

Ethernet:
10/100/1000 Mbit compatible Network interface, WLan possible via USB

USB:
5 x USB 2.0 port, (4 rear / 1 front)
2 x USB 2.0, (rear)
2 x USB 3.0 Anschluss, (rear)
1 x USB 2.0 Anschluss, (front)

LNB power supply to the Tuner:
LNB Current 500mA max. ; Short Circuit protection
LNB Voltage vertical < 14V no load, > 11,5V at 400mA LNB
Voltage horizontal < 20V no load, > 17,3V at 400mA LNB
Shut off Standby-Mode

Number of active Satellite positions:
DiSEqC TM 1.0/1.1/1.2 und USALS (Rotor-Control)

External Power supply input voltage:
Input: 110-240V AC / 50-60Hz / 0,6A
Output: 12V / 4A

Power consumption:
Normal: 15W (STB PIP: 10.5W, LNB: 4.5W) –if 1 DVB S Tuner used Standby mode: 9.3W
Deep Stand-by Mode: 0.5W

General:

Ambient temperature +15°C...+35°C
Humidity < 80%
Dimension (W x D x H): 300 mm x 240 mm x 63 mm

Technical Specifications

Features of GigaBlue Box Quad4K:

• Simple EPG (Electronic Program Guide): sortable by date or alphabetically
• Automatic search for additional air dates of a show and easy recording them as a timer
• Multi EPG graphed
• Quad PiP Picture in Picture
• Timeshift (when connecting an internal or external HDD)
• Record list by alphabet or date and free choice of different views
• Timer programming manually or by EPG
• Individually configurable timers, for example, single, repetitive or switch
• DiSEqC 1.0 / 1.1 / 1.2, Unicable and USALS
• Power Switch
• Commissioning by the Startup Wizard
• Standard channel list for DVB-S and DVB-C / T2/ SX2
• TV and radio channels via antenna and digital cable
• DVB-C HDTV and DVB-T2 compatible
• Teletext
• Teletext subtitles
• Radio Text
• protection of minors
• Sleep Timer
• Expandable based functions via plugins
• Using the web interface be passed on streams of which is connected via network with the GigaBlue Box TV / radio stations to any PC
• Web Browser
• UFScontrol - Plugin for iPhone and Android smartphones
• IP TV, IP Radio
• The OSD supports different skins and languages

Universal Remote Control

UHD4K Universal RCU V2

1. Modus Auswahl

①**STB (Gigablue) mode:** Press [GIGA] button
For the gigablue boxes
②**Mode Selection Universal Function:** Press Device Selection
[TV] / [AUX] / [DVD] button for other devices

2. Setting - manual search

a) Switch on the device that you want to use with your universal Gigablue remote control.
b) Find the CODE of your device from a code list (eg Lifetec 0050).
c) Press and hold a device button **(eg TV) [TV] / [AUX] / [DVD]** on your Gigablue remote control for 3 seconds.
d) Enter the four-digit code of your device within 10 seconds (eg 0050 Lifetec). If no entry is made within 10 seconds, the input function closes.
e) LED goes out if the code has been accepted. If the LED flashes twice, the entered code was incorrect, please make sure you have the correct code and follow the steps again.
f) Check the functions of the remote control. If some functions are missing, try an alternative code from the list. Repeat steps 3 to 6 until all basic functions are correctly implemented

3. Automatic adjustment of the universal function

If you have not succeeded in entering the code, or your brand is not listed in the list, you can use the automatic search function of codes.
a) Switch on the device you want to program.
b) Point the remote control at your device. Press a device key (eg TV) for 3 seconds, LED lights up, press for another 2 seconds without interruption and the LED light starts to flash. Now the automatic search has started, you can let go of the key.

c) The "Volume +" signal is transmitted automatically from the remote control. As soon as the volume of your device (eg TV) changes, immediately press the device button (eg TV) to stop the automatic search.
d) If you want to set devices such as CD player, tuner or AUX, a switch-off signal is transmitted to the terminal. As soon as the terminal turns itself off, press the device key on the Gigablue remote control to end the search.
Press the Power button for the device to turn on again and check the functions of the other buttons.
e) Check the functions of the other buttons. If the other keys do not perform any function or function correctly, restart the search (see steps 2 to 4) to find a suitable code. Once the majority of the buttons are working correctly, the setting has been successful. Press the device key again (eg TV) to save it.

Universal Remote Control

4. Manual setting

If you have not been successful with the manufacturer's code entry, you can also do a manual search to find the correct code

1. Turn on the device you want to program.
2. Point the remote control at your device. Press a device button (eg TV) for 3 seconds, the LED lights up, press for another 2 seconds without interruption and the LED light starts to flash. Now the automatic search has started, you can let go of the key.
3. Press the "Volume + button" every 1.5 seconds
4. As soon as the volume of your device changes or the device turns off, check the other buttons and their functions. If the majority of buttons do not work correctly, press "volume +" every 1.5 seconds to generate a new code and send it to the device. Once the majority of the buttons are working correctly, the setting has been successful. Press the device key again (eg TV) to save it.

5. Read code

a) Press and hold the device key (eg TV) and the OPTION key, the indicator lights up immediately
b) Release the button and then press the number button 1 or 2 or 3 or 4 of the code display
c) LED flashes to indicate the number of current digital position: Press "1" to display the first code group number, press "2" to display the second code group number. Press "3" to display a third code group number "4" shows the fourth code group number.
Example: If the current code is set to 0016, the LED "1" will not flash. The LED "2" does not flash. Press "3" LED lights 1; The LED "4" flashes 6 times.
d) Press another key to exit the code recognition mode.
e) No button is pressed within 30s, light goes off automatically;
Example for code 0169
a. Press TV and 1 the LED flashes 0 times.
b. Press TV and 2 the LED will flash 1 time.
c. Press TV and 3 the LED flashes 6 times.
d. Press TV and 4 the LED will flash 9 times.

6. Check battery condition

When the voltage is lower than 2.4V, low power state,
When the LED is flashing green battery condition is OK
If the LED top left red flashes three times and slowly, battery condition is too weak. Please change the battery

7. Reset function

Press the device key (eg TV) and key 0 at the same time, as soon as the LED flashes three times, the settings are deleted and the remote control returns to the factory settings.

8. Change the system Code the remote control

You can change the system code of your GigaBlue remote, according to the GigaBlue model you want to use. System Code Mode 1 is set as default. Mode 2 is there to support these 2 frequencies to avoid overlapping with other remotes.
Mode 1: UE Plus, Ultra UE, Quad, Quad Plus, X1, X2, X3, Quad 4K, UE 4K, UE 4K cable
Mode 2: UE Plus, Ultra UE, Quad, Quad Plus, X1, X2, X3, Quad 4K, UE 4K, UE 4K cable
Fashion 3 & 4: reserved for future models.
1. Menu / Settings / System / Devices / Coding remote control
2. Select the code you want to have, code 1 or code 2 and save with OK
3. Press OK to go to the next menu. Press the GIGA and 5 buttons for approx. 5 seconds until the 3 x LED lights up.
4. Press the OK button
5. Code successfully saved.
This will only work if you have GigaBlue V2 remote from 2017
Would you like to use universal function, see code list. Please download under
http://www.gigablue.de GigaBlue universal Remote Control manual *English* down

Installing the HDD in the GigaBlue Quad Plus

For the installation you need a Commercially 2.5 "HDD.
• Do not Open the first cautious
• Cover the GigaBlue Quad.
• Build now, the designated
• from the context. Fig. 1
• Fasten with the hard drive
• supplied screws to the frame Fig.2
• Refit the frame with the hard disk as shown in Fig. 1
• You now connect the hard drive to the motherboard Fig. 3
• Close the cover and make all connections again.
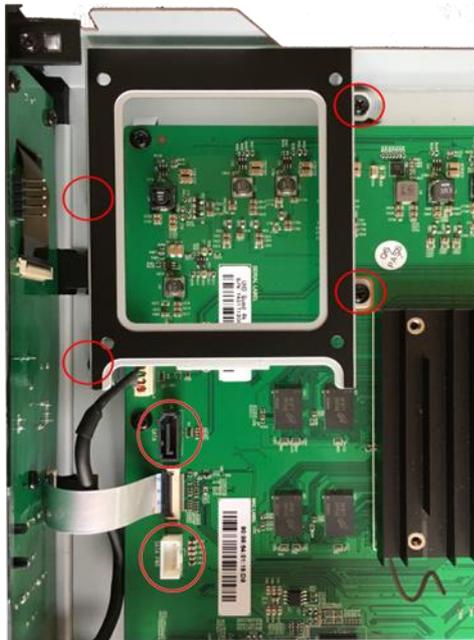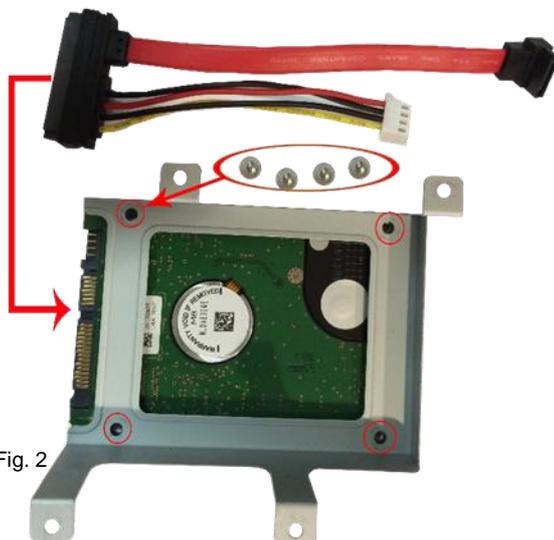• Format in the menu, **see page 40**

Fig. 1

Fig. 2

Fig. 3

Installing the Tuners

Installation of the tuner:

The GigaBlue is equipped with a built-in dual FBC (full-band capture) tuner and also allows the insertion of a plug-in tuner from the
GigaBlue tuner family.

Here you will find the possible combinations

You can optionally install a DVB-C / T-T2 Combo, Dual Tuner or DVB-S2X Dual Tuner

For the installation you need:
GigaBlue Hybrid DVB-T2 Dual: Cable or DVB-T reception for Twin function
GigaBlue Hybrid DVB-T2: For DVB-T2 or cable reception
GigaBlue DVB-S2X: For satellite reception

Please turn off your GigaBlue at the power switch
• First, carefully open the cover of the GigaBlue UHD Quad 4K
• Unscrew the tuner cover and remove Fig.1 and Fig.2
• Now plug in the dedicated tuner to the slot tuner. Fig. 3 and 4
• Attach the tuners to the rear panel with screws. Fig.5 and 6
• Close the cover and restore all connections.
• Please configure the tuners in the menu, see page 56 to 65

Fig.1

Fig.2

Fig.3

Fig.4

Fig.5

Fig.6

Here you will find the possible combinations

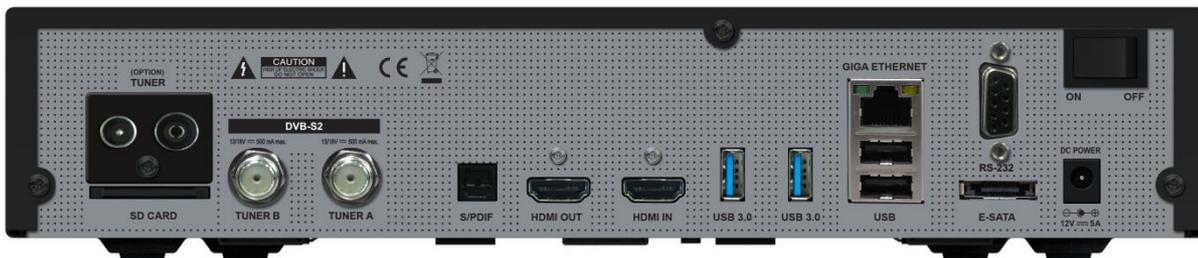**Dual FBC + Dual DVB-C/T2 (Cable or Terr. Twin)**
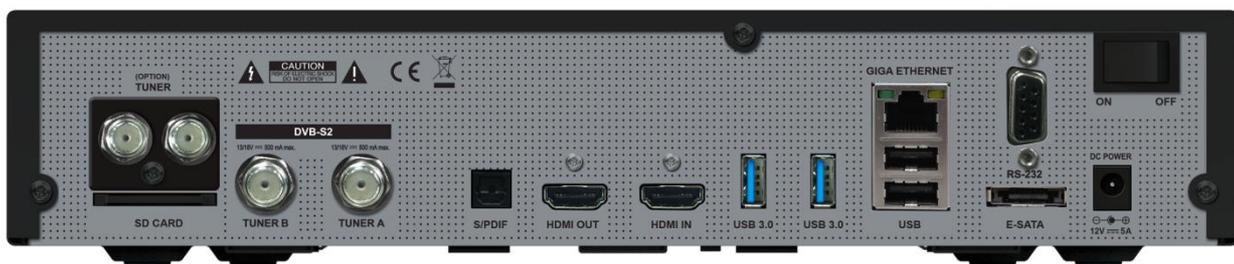

Fig.7

.
Dual FBC + Dual DVB-S2X (Twin)

Fig.8

In case of warranty, please contact the specified customer service. Should a problem with your GigaBlue HD Quad Plus occur.
Please download under http://www.gigablue.de the service request form down and fill it out completely. Please send the service request form and the original purchase receipt with the defective device.

Dealer:

Name: _____
Street: _____
Zip /City: _____
Phone: _____
Fax: _____
Date: _____
Signature:_____

Stempel:

Kaufdatum:_____ (inkl. Kaufbeleg)

Serviceadresse:

Impex-sat GmbH & Co. KG
Beim Giesshaus 7
25348 Glückstadt
Tel.: +49 (0) 4124 937262
Fax: +49 (0) 4124 937266
E-Mail: service@gigablue.de

Gerät/ Artikelbezeichnung:
Seien-Nummer:

Customer:
Name: _____
Street: _____
Zip /City: _____
Phone: _____
Fax: _____
Date: _____
Signature:_____

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