



Operating Manual

CHRONOLOG



October 17, 2014

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Preface

Dear TRIGON Customer,

We are delighted that you have chosen the CHRONOLOG. This device was manufactured under the strictest manufacturing controls and is an exemplary example of the latest in precision technology. Even if you are very experienced in working with Hi-Fi devices, we still recommend that you study this Operating Manual closely and follow the instructions contained in it. Please keep this manual in a safe place because it is sure to prove to be a valuable source of information going forward, as you work with your audio player. The TRIGON-Team hopes that you get many years of enjoyment from your new CHRONOLOG.

1. General Device Description

The CHRONOLOG is an audio player that has been designed for playing the highest quality digital media. The CHRONOLOG will enable you to get the maximum possible audio enjoyment from your musical treasures. The CHRONOLOG copies the music from the CD onto an internal Solid State Drive (SSD) and then plays it from there. This means that you can keep your CDs safely in their cases, without the risk of them being damaged through use. The best way to operate your CHRONOLOG is through a tablet computer. We recommend using the Tablet computers (iPad) from Apple as this impressed us most in terms of speed and usability. But other tablet computers are available and can also be used. You can equally well operate your CHRONOLOG through any other device that has a browser that supports the use of Java Scripts. As a rule, this covers all modern devices with a browser.

1.1 Safety advice

- The TRIGONELEKTRONIK GmbH Company assumes no liability for any damage caused by improper use and by non-compliance with the following safety instructions.
- The CHRONOLOG must not be placed in the immediate proximity of heat sources such as radiators, stoves, high-performance lighting, open flames, etc.
- The CHRONOLOG must not be subjected to any violent impacts or vibration.
- The CHRONOLOG must not be connected to mains power immediately after having been moved from a cold environment into a warm room. A build up of condensation could damage the device. Wait for some time until the device has warmed up to the ambient temperature.
- The CHRONOLOG must not be exposed to the direct rays of the sun.
- You should ensure that there is adequate ventilation available at the location where the CHRONOLOG is positioned.
- Do not operate the CHRONOLOG without its protective housing.
- Always unplug the CHRONOLOG from the mains supply before opening it.
- Never bypass the fuse. A faulty fuse must always be replaced by one of the same type and value.
- Under no circumstances should you attempt to carry out any repairs yourself. Any maintenance and/or repairs may only be carried out by authorised personnel who received special training. Any possible claims on the warranty are rendered null and void in the event of any improper handling or in the case of unauthorised third-party interventions.
- The CHRONOLOG must always be switched off before unplugging it or before attaching any connection cables.
- The mains power may be between 100 V and 240 V.
- You should only use accessories/extensions with the CHRONOLOG that are recommended for the purpose by the manufacturer.

- The housing should only be cleaned using a lightly dampened cloth. No abrasive cleaning fluids or scouring agents should be used. Always unplug the device from the mains power during cleaning for safety reasons. You should also ensure that you do not accidentally damage or loosen any cables while cleaning. Check that all cables are securely connected before connecting the CHRONOLOG to the mains power again.
- Warning! You must ensure that at no time can liquids end up inside the device!

1.2 Installation advice

After unpacking the device, please check your CHRONOLOG for any signs of transport damage. In the unlikely event that you identify some damage, please contact your dealer immediately. Then check the contents of the packaging to ensure that everything is there. Apart from the CHRONOLOG you should also find:

- A TRIGON VOLT power cable
- A dongle
- A DVI - VGA adapter
- Two WLAN antennae
- A warranty claims form

The device should be installed in a horizontal position at a dry location. Make sure there is good ventilation. Strong magnetic scatter fields such as those produced by halogen lamp transformers can lead to humming interference. For this reason, you should install your CHRONOLOG away from such devices. Also, the connection cables should not be laid next to lighting cables. Luminescent screen tubes also cause humming interference so that here also there should be a distance of at least 1 metre between the device and any such lights. Avoid installing your CHRONOLOG where it will be exposed to direct sunlight and where it is in close proximity to strong heat sources.

1.3 Warranty performance and service

With the CHRONOLOG, you have acquired a high-quality and technically mature product. At the TRIGON Company, we go to great efforts to fulfil the demands placed on a TRIGON product at each stage of production, through numerous quality tests and a strict outgoing goods inspection process. If in spite of this you should experience a fault, the TRIGON ELEKTRONIK GmbH Company gives a three year warranty. The warranty covers the repair of the faulty part and the cost of the labour. As a rule, warranty repairs are carried out at the Trigon facility. Any further claims are excluded. The warranty excludes any and all damage caused by improper installation, incorrect operation or by repairs that have been carried out by non-authorised dealers and private persons. Furthermore, the warranty lapses in the case of serial numbers that have been rendered unrecognisable. Also, transport damage or damage caused by accidents are excluded from the warranty.

Please check that the warranty card is filled out completely as otherwise, you will not be able to make any claims on the warranty. The three year warranty on your CHRONOLOG starts from the date that the device is handed over to you by the dealer. For this reason, you must hold onto the warranty card and the receipt that identifies the date of the purchase. You should check with your dealer how long he has had the device on stock as the term of the warranty reduces correspondingly after the device has been on stock with the dealer for one year.

2. Setup and Safety Advice

After unpacking your CHRONOLOG, you should first allow it time to warm up to the ambient temperature. Particularly during the colder seasons of the year, dampness can build up inside the device if the CHRONOLOG is moved from a cold environment to a warm one.

Once your CHRONOLOG has acclimatised, we recommend that you familiarise yourself with your new audio player. Firstly you should make the connection between your pre-amplifier and the CHRONOLOG. The second step is to connect a monitor/television or the supplied dongle. Then connect the CHRONOLOG to your router or network with a suitable network cable, so that it can access the Internet. The last step is to plug the supplied Trigon Volt power cable into the CHRONOLOG's mains socket and connect the mains plug to the mains supply. Now switch the CHRONOLOG on by operating the power switch on the back of the device and pressing the start button on the front of the device.

After powering up, the CHRONOLOG's drive is initialised and "TRIGON CHRONOLOG" appears in the display on the front of the device.

Warning: The CHRONOLOG does not start up if there is no monitor, television or dongle connected.

During start-up, the status lamp flashes and the audio output is released by a relay, which can be identified by a quiet click. Once start-up is completed, the status lamp lights up permanently and the Main menu is displayed. You should now familiarise yourself with the operating elements and the connection sockets.

2.1 The operating elements and the front display

We have tried to follow a policy of "as many as necessary, as few as possible" when it comes to the operating elements. It was also very important to us at the design stage, that the operation of the basic functions of the CHRONOLOG should be as simple and as intuitive as possible, as for example, with the control pad (1 - 5) for navigating through the menu and the large on/off button (16).

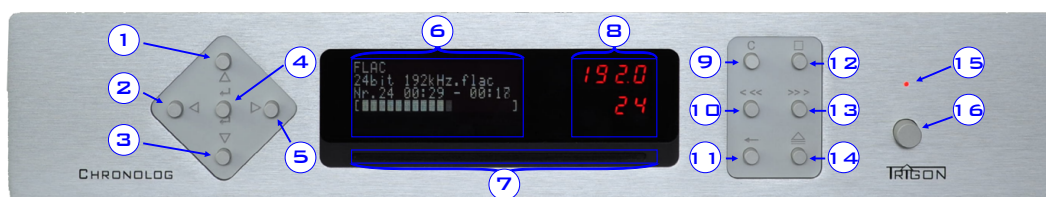


Figure 2.1: Front of the CHRONOLOG

The individual elements:

- | | |
|------------------------------------|---|
| (1) Menu up button | (9) Context menu button |
| (2) Menu left button | (10) Previous track / rewind button
(press and hold to rewind) |
| (3) Menu down button | (11) Menu back button |
| (4) Menu OK button | (12) Stop button / Select button |
| (5) Menu right button | (13) Next track / fast forward button
(press and hold to fast forward) |
| (6) Menu display | (14) Menu home & Full screen & Eject
CD button (press and hold to eject
CD) |
| (7) Drive | (15) Operational display |
| (8) Frequency and bit rate display | (16) On/off switch |

Table 2.1: CHRONOLOG operating elements

2.2 The connections on the rear of the device

All necessary connections are located on the back of the CHRONOLOG.



Figure 2.2: CHRONOLOG rear panel

The individual connections:

- | | |
|------------------------------|--|
| (1) Power switch | (10) Optical S/PDIF output |
| (2) Fuses | (11) Coaxial S/PDIF output
(no longer available!) |
| (3) Power connection | (12) HDMI (TV) |
| (4) WLAN antennae 1 & 2 | (13) USB 2.0 |
| (5) Alternative sound output | (14) PS2 |
| (6) Network connection | (15) Asymmetrical output right |
| (7) USB 2.0 | (16) Symmetrical output right |
| (8) USB 3.0 | (17) Symmetrical output left |
| (9) DVI | (18) Asymmetrical output left |

Table 2.2: CHRONOLOG connections

2.3 The Menu

The concept of the CHRONOLOG is centred on the principle of simple, intuitive operation. Nevertheless, there are some functions and settings that we have "hidden" in sub-menus. You should read through the following sections carefully in order to be able to get the full benefit from all the options that the CHRONOLOG has to offer. Some functions are purely of a "cosmetic" nature and just affect the display. Others, however, are very useful functions that greatly facilitate operation.

After switching the CHRONOLOG on, the Operational display flashes and a flashing square is shown in the display. Once the text "TRIGON CHRONOLOG" appears in the display, the CHRONOLOG checks whether a monitor is connected and sets itself to the appropriate resolution.

Warning: The CHRONOLOG does not start up if there is no monitor, television or dongle connected.

The CHRONOLOG starts its Main menu following this initialisation process.

2.3.1 Main Menu

The Main menu contains a number of items through which you can reach the most important functions and sub-menus. You can navigate in the menu using the buttons on the control pad (1 - 5) and the buttons 9 - 14 (see 2.1 on page 8).

The main menu items:

MUSIC	Here you can access the music (see Section 2.3.2 on page 11)
DISC - OPEN / CLOSE	Open the disc drive drawer
FAVORITES	Here, the stored favourites are displayed
VIDEOS	Here you can access the videos (see Section 2.3.3 on page 11)
SETTINGS	This opens the CHRONOLOG's Settings menu (see Section 2.3.4 on page 12)
SYSTEM INFORMATION	Here you can access information such as the CHRONOLOG's network address (IP) (see Section 2.3.5 on page 12)

FILE MANAGER	This opens a simple File manager function, distributed over two windows
PHOTOS	Here you can access the picture gallery
AUDIO CD COPY	The currently inserted CD is copied
CD / DVD PLAYBACK STAR	The currently inserted CD is played

Table 2.3: Main Menu Items

2.3.2 Sub Menu - Music

The Music menu always starts with the last folder to have been selected. You can return to the first level with the arrow button (11) 8). The individual sources can be found at the first level:

- CD
- Music-Chronolog
- Music Playlists
- Radio
- USB

If a USB medium such as an external hard disc has been connected, this is also shown in the source list by its name.

2.3.3 Sub Menu - Video

The Video menu always starts with the last folder to have been selected. You can return to the first level with the arrow button (11) (see 2.1 on page 8). The individual sources can be found at the first level:

- DVD
- USB
- Video Playlists
- Videos Chronolog

If a USB medium such as an external hard disc has been connected, this is also shown in the source list by its name.

2.3.4 Sub Menu - Settings

The Settings menu contains all the settings options for:

- The display
- The videos
- The music
- The pictures
- The add-ons (Apps)
- The network
- The system
- The skin

2.3.5 Sub Menu - System information

Here you will find all the information about the status of your CHRONOLOG:

- **Info:** Contains a short summary
- **Memory:** Gives an overview of the available memory
- **Network:** Displays the IP and Gateway addresses
- **Graphic:** Gives information about the deployed resolution
- **Hardware:** Displays the CPU utilisation

3. Quick Start

This chapter gives a short overview of the quick start options for those amongst you who are less patient than others and who already have some experience in working with media players.

3.1 Setting the Chronolog up

- Locate the CHRONOLOG at the desired installation position
- Connect the cables
 - Network Cable
 - Audio cable
 - Dongle or HDMI cable with connection to the television
 - Power cable
- Switch the CHRONOLOG on (button 16)

3.2 Playing the first CD

(See chapter 2.1 on Page 8 for the button assignments)

- Insert the CD into the CHRONOLOG drive (7)
- Navigate up or down with the arrow buttons (1 & 3) until the entry "Play CD/DVD" appears
- Confirm "Play CD/DVD" with button 4
- Playback can be stopped with the Stop button (12)
- The CD will be ejected by pressing and holding the Eject button (14)

3.3 Copying the first CD

(See chapter 2.1 on Page 8 for the button assignments)

- Insert the CD into the CHRONOLOG drive (7)
- If necessary, stop the CD playback by pressing the Stop button (12)
- Navigate up or down with the arrow buttons (1 & 3) until the entry "Copy CD/DVD" appears
- Confirm "Copy CD/DVD" with button 4
- If appropriate, select the corresponding CD from the list and confirm with the button 4.
- The CD will be ejected by pressing and holding the Eject button (14)

3.4 Playing copied music

(See chapter 2.1 on Page 8 for the button assignments)

- Navigate up or down with the arrow buttons (1 & 3) until the entry "Music" appears
- Confirm "Music" with button 4
- Navigate up or down with the arrow buttons (1 & 3) until the entry "Music Chronolog" appears
- Confirm "Music Chronolog" with button 4
- Navigate up or down with the arrow buttons (1 & 3) until the desired album appears
- Confirm the album with button 4
- Navigate up or down with the arrow buttons (1 & 3) until the desired track appears
- Confirm the track with button 4
- Playback can be stopped with the Stop button (12)

4. TV

The CHRONOLOG has a TV control function that has been designed for the simple control of the player and its settings.

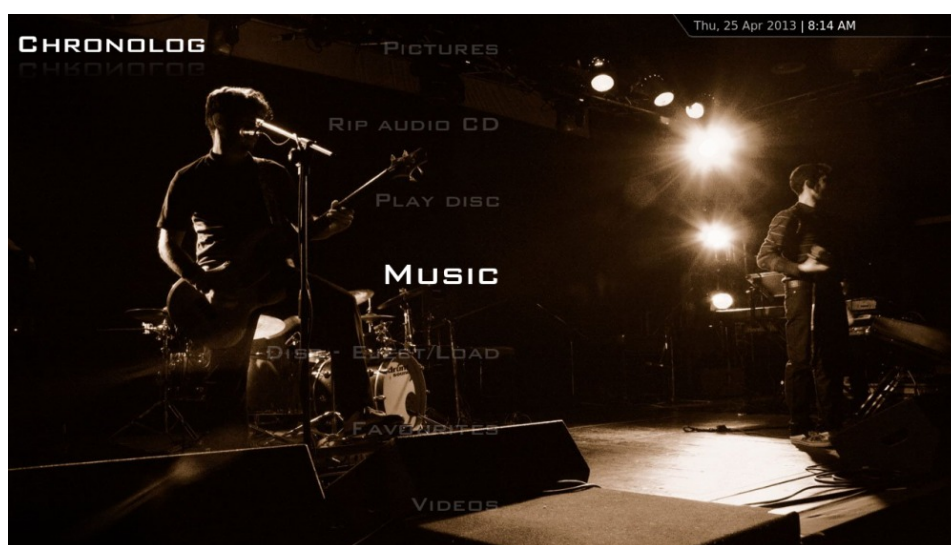


Figure 4.1: Main menu

4.1 Selecting the audio output (analogue, HDMI, S/PDIF)

The CHRONOLOG has several audio outputs: the analogue symmetrical XLR and asymmetrical cinch outputs and the digital S/PDIF and HDMI. The output can be selected in the menu **Settings -> System -> Audio Hardware**. Connections: see page 9.

Connections	Audio output device
Analog	Chronolog Analog Out - iec958 (ALSA) Connections: 15 - 18
Digital S/PDIF	iec958 (ALSA)
HDMI	hdmi (ALSA)

Table 4.1: Audioausgänge

If the sound should be output through a fixed Sample Rate, select User defined as the "Audio output device" and enter **plug:192** under "User-defined audio device, in order to assign a fixed Sample Rate of 192 kHz to the S/PIDF output. Possible options: 44, 48, 88, 96, 192

Enter	Causes
plug:44	Digital 44,1 KHz
plug:48	Digital 48 KHz
plug:88	Digital 88,2 KHz
plug:96	Digital 96 KHz
plug:192	Digital 192 KHz

Table 4.2: Benutzerdefinierte Audioausgänge



Figure 4.2: Audio Hardware

4.2 Adding music sources (NAS, Server, PC, ...)

In order to connect a music source, e.g. your server with the CHRONOLOG, go to the Music menu and press the "C" button on the device.

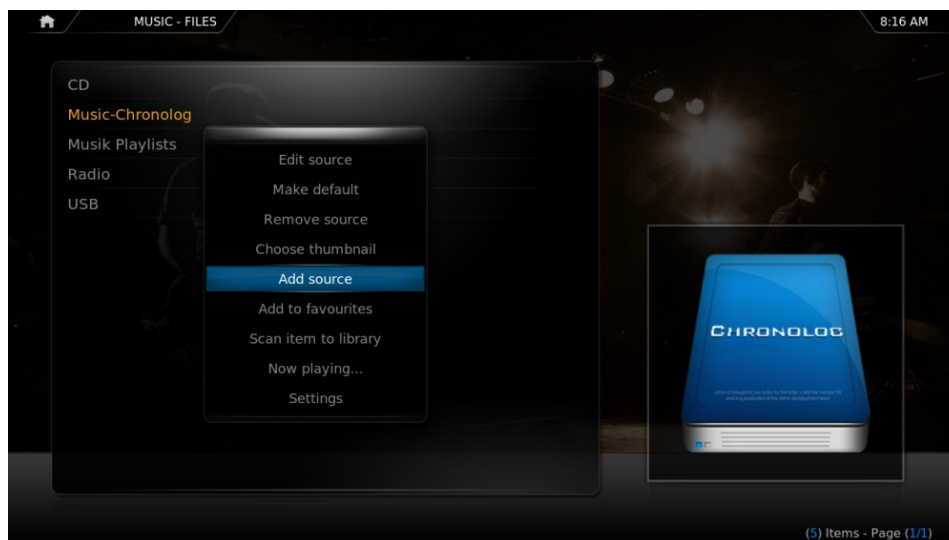


Figure 4.3: Music context menu

Select "Add source" from the Context menu that opens. If you know the path to your server, you can enter that directly here or select the "Search" option.

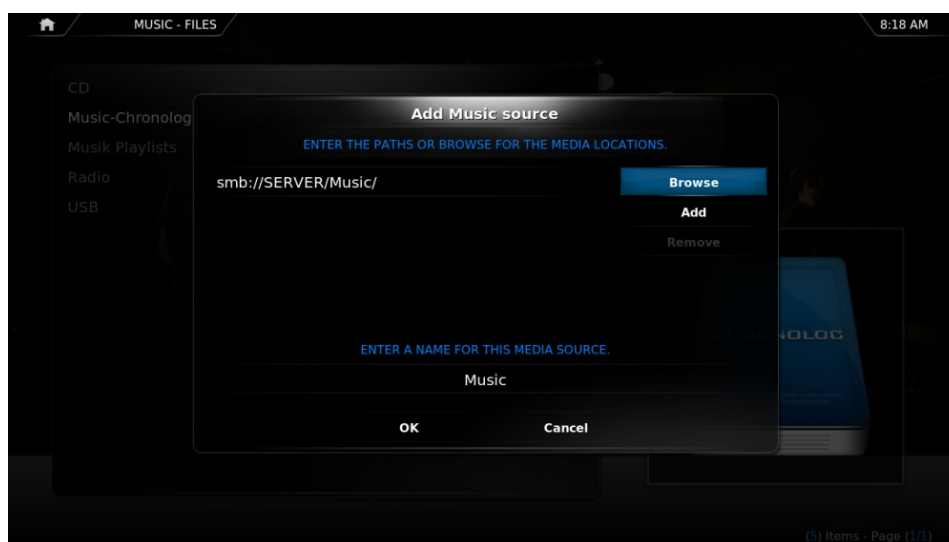


Figure 4.4: Path input

In the Search menu, we recommended searching for the source through "Windows Network (SMB)", in order to be able also to write to this source later. Select the entry: "Windows Network (SMB)". (If this is not available, you can also select "Add Network Share...".) There, you navigate through the folder structure until you reach the folder that contains your music and then click on OK on the left of the screen.

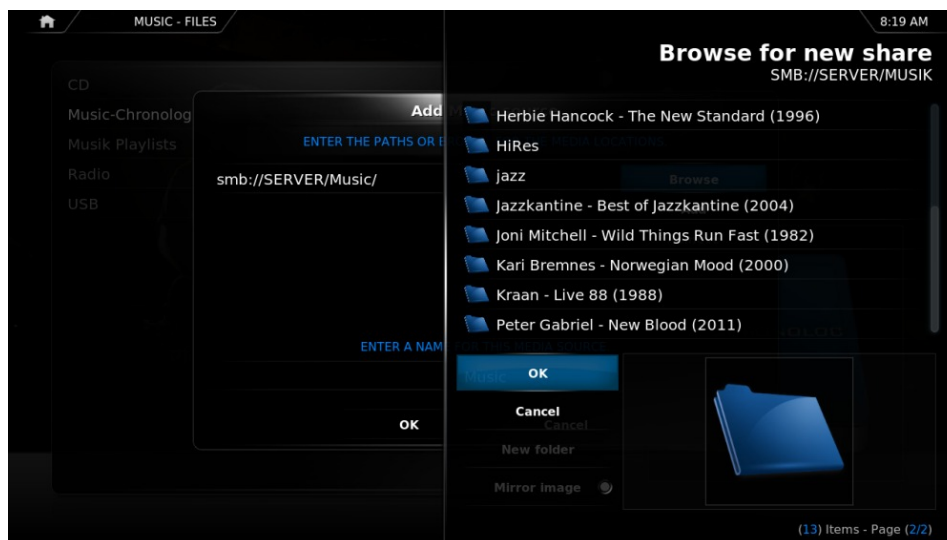


Figure 4.5: Server selection

The last step is to assign an appropriate name and confirm again with OK.

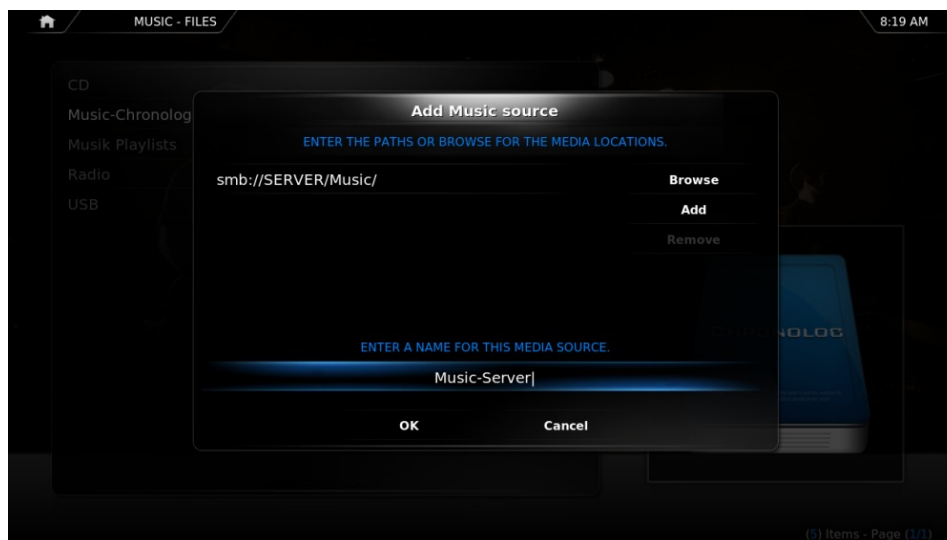


Figure 4.6: Assigning a server name

4.3 Add files in UPNP database

To add a folder to the UPNP database, go in the music folder on the Chronolog to the desired folder, as this is blue highlighted. Then you open with the C button the context menu and select "Scan item to library". Then all files with ID tag would be included in the database and are then available via UPNP.

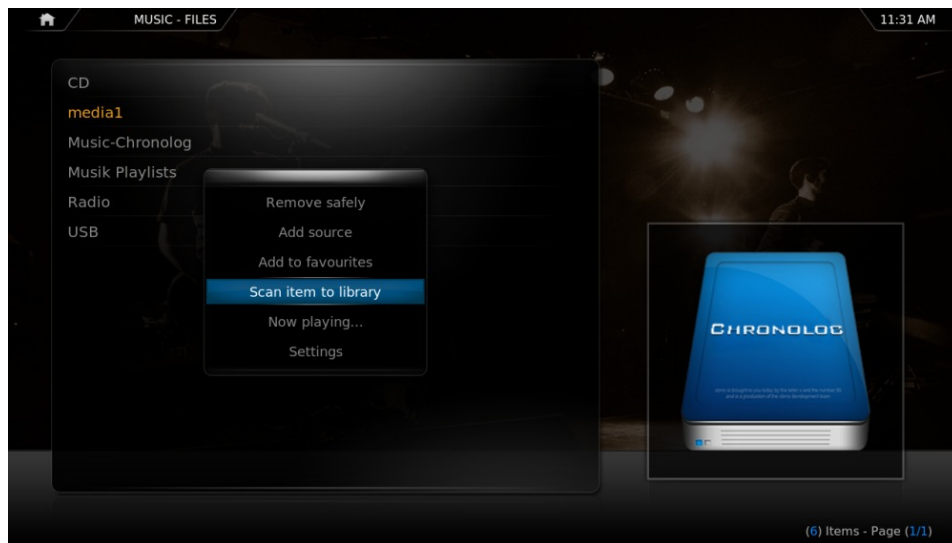


Figure 4.7: UPNP-Settings

4.4 Selecting/modifying music destination (SSD, USB, NAS, ...)

If you want to rip music from the CDs to an external USB hard disc, this has to be selected as the destination. To do this, go to the Settings menu and select Music.

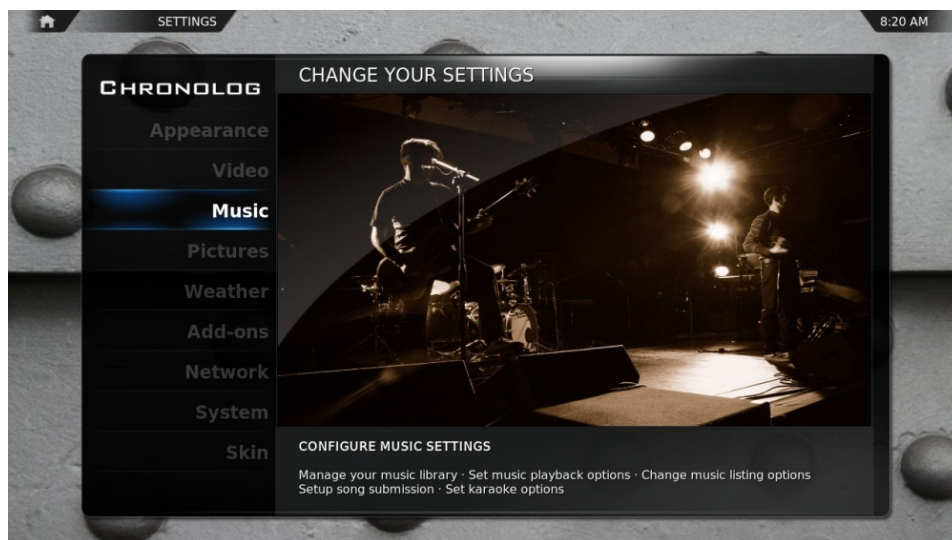


Figure 4.8: Music settings

Once in the Music settings menu, go to the item **Music CDs** and there, modify the **Folder for copying CDs** to the desired destination.

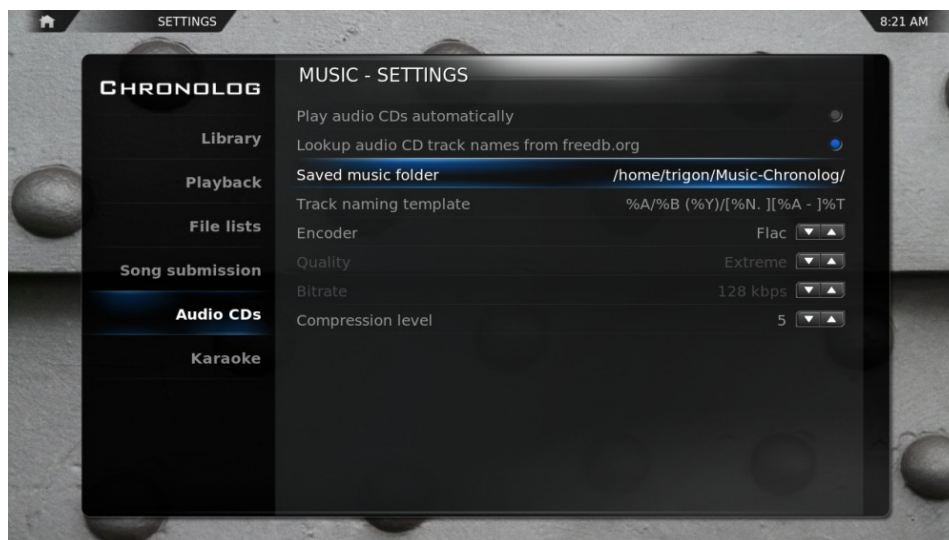


Figure 4.9: Music destination settings

4.4.1 Changing the naming format

You can also define how the individual CDs and tracks should be saved when ripping through the Music settings menu (Main menu -> Settings -> Settings -> Music -> Music CDs). There, select the entry **Template for music track file names** and edit it so that it meets your requirements. Standard setting is: %A - %B (%Y)/[%N.][%A -]%T

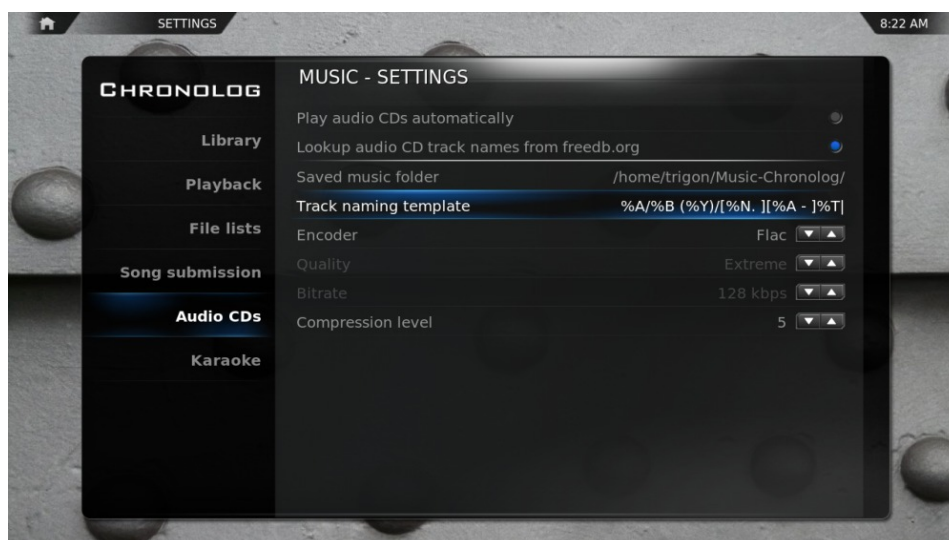


Figure 4.10: Changing the naming format

Available options are: %A, %T, %N, %B, %D, %G, %Y, %F, %S

%A	Artist
%T	Track
%N	Number
%B	Album
%D	File target name
%G	Genre
%Y	Year of release
%F	freedb ID
%S	File source name

Table 4.3: Naming abbreviations

4.4.2 Without Internet

If you are working without an Internet connection for your CHRONOLOG, it makes sense to deactivate the CD alignment with freedb, so that you don't get an error message each time you are ripping music from a CD. However, we recommend making an Internet connection available for your CHRONOLOG, so that CDs can be named automatically and so that the cover artwork can be downloaded. Go to: Main menu -> Settings -> Music -> Music CDs. There, change the entry **Align audio CD track names with freedb.org** such that with Internet it is blue and without Internet it is grey.

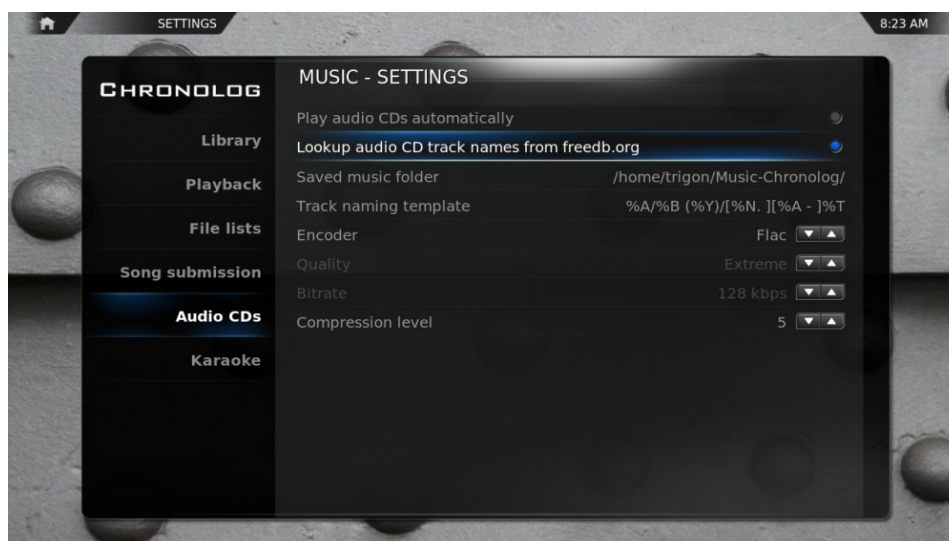


Figure 4.11: freedb settings

5. Trigon-Touch Remote Control

There are several ways of controlling the CHRONOLOG. For instance, through the operating elements on the front of the device, through the TV menu or through the browser on a network-capable device such as an iPad, mobile phone, computer, etc.

In order to be able to use the CHRONOLOG's browser remote control, you need a network connection to the CHRONOLOG. This can be done through a router or directly through a Wireless Local Area Network (WLAN). The "TRIGON-TOUCH" browser remote control is called through the CHRONOLOG's IP address. The CHRONOLOG's IP address can be found in the CHRONOLOG Main menu under System Information -> Network. This address is entered and called through the browser address line. If you are using a WLAN router with which the CHRONOLOG and your remote control device are already connected, you don't have to establish a new connection to the CHRONOLOG.

5.1 WLAN connection with the iPad

In order to be able to operate the CHRONOLOG with the iPad, a network connection has to be established between the iPad and the CHRONOLOG. This can be done through your router or through a direct connection to the CHRONOLOG. If your iPad is already connected to your router and the CHRONOLOG has a cabled connection to the router, you can skip to point 5.1.4.

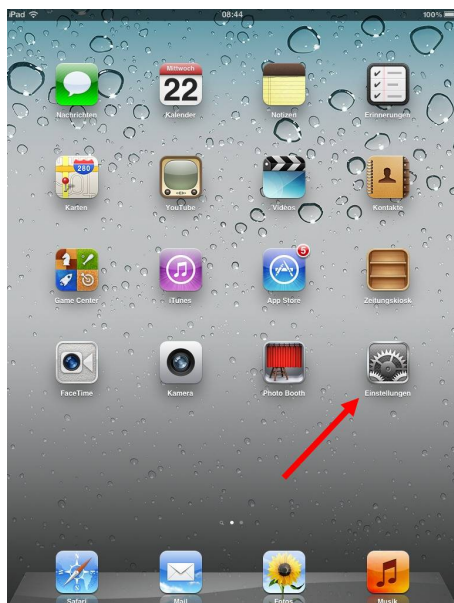


Figure 5.1: iPad Home



Figure 5.2: iPad WLAN 1

5.1.1 Direct connection

Go to the Settings function of your iPad to open a direct connection to the CHRONOLOG.

5.1.2 WLAN selection

First, tap on WLAN. After a short time, the iPad should display the CHRONOLOG'S WLAN. (The CHRONOLOG must be switched on and be displaying its Main menu. Additionally, both antennae must be connected.) As soon as the CHRONOLOG'S serial number is displayed, tap on the entry. This starts the process for establishing a connection and you will be asked to enter the connection password. The factory setting for this is: **1234567890**. The connection is set up once you have entered and confirmed the password. If the connection setup is successful, a tick appears in front of the CHRONOLOG WLAN. Now tap on the blue arrow to the right of the CHRONOLOG WLAN.



Figure 5.3: iPad WLAN 2

5.1.3 Automatic connection

In order that the iPad always automatically re-establishes the connection to the CHRONOLOG, you have to activate the "Autom. connection" option. This completes the settings and you can return to the iPad Home screen by tapping on the iPad button (Home button).



Figure 5.4: iPad Home 2

5.1.4 Safari

Now you can open the "Trigon Touch" remote control user interface in Safari.

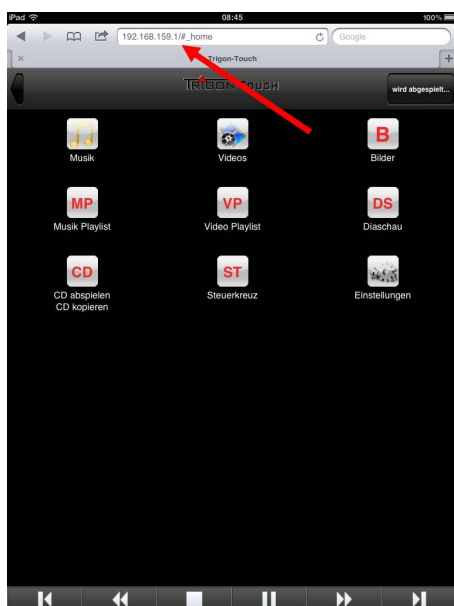


Figure 5.5: iPad-Safari-1

5.1.5 Address input

You open the Trigon Touch user interface by entering the local IP address of the CHRONOLOG in the Safari address line. You can see the address in the CHRONOLOG under the **System Information - Network** menu item.



Figure 5.6: iPad Safari 2

5.1.6 Home link

Once you have opened the Trigon Touch user interface, add a Home link by first tapping on the Menu icon and then selecting the "To Home Screen".

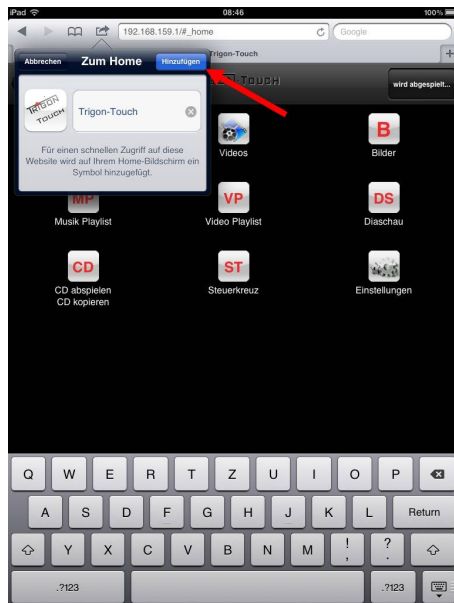


Figure 5.7: iPad Safari 3

5.1.7 Confirming the link

Now just confirm that you want to create the link.



Figure 5.8: iPad Home 3

5.1.8 Link created

Now you can open the Trigon Touch remote control with the new link.

5.2 Home view

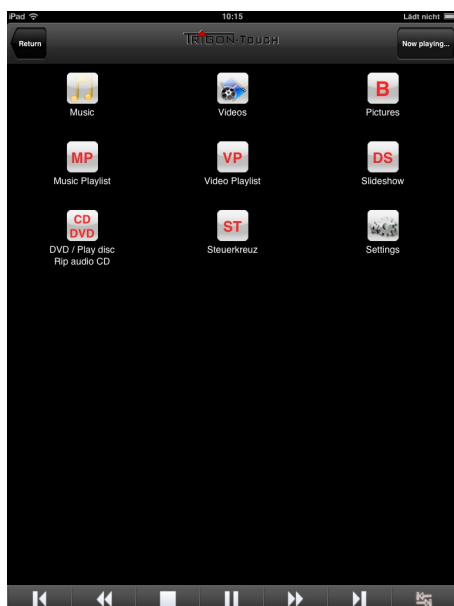


Figure 5.9: Home view

The Home page of the Trigon Touch offers access to all the CHRONOLOG's control functions. You get to the CD/DVD player and record view by tapping on the CD/DVD icon.

5.3 CD player view

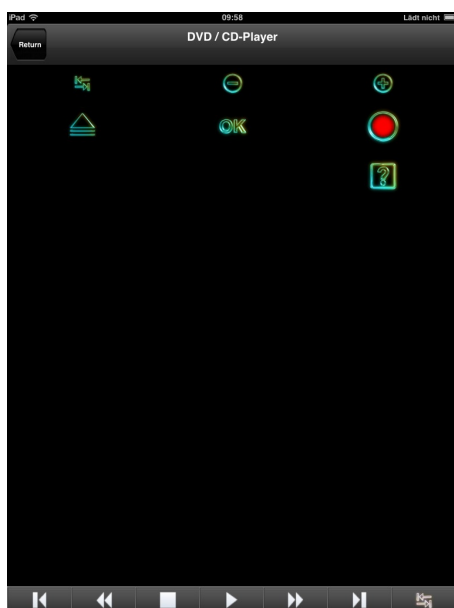


Figure 5.10: CD player view

After you have inserted a CD in the CHRONOLOG's CD drive, you can play and stop the CD by tapping on the corresponding Play/Stop icons in the bar at the bottom of the CD player view. Tapping on the red icon starts the copy process that copies the CD onto the CHRONOLOG. Tapping on "Back" takes you back to the Home view. In order to save you having to refer to the manual each time you want an explanation of the function of a particular icon, we have added a Help icon that you can tap on to access an explanation of the individual functions.

5.4 CD copy view

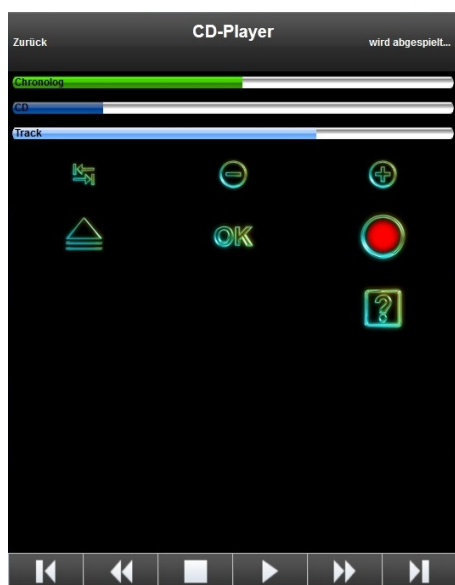


Figure 5.11: CD copy view

If you are copying a CD to the CHRONOLOG and have started the copy process through the Web remote control, you will see the following information in the status bar:

- 1. The available memory
- 2. How far the copy process has progressed on the CD
- 3. How far the copy process has progressed on the current track.

While the copy process is running, the CHRONOLOG searches for the corresponding cover and stores that in the destination folder.

5.5 CD player Help

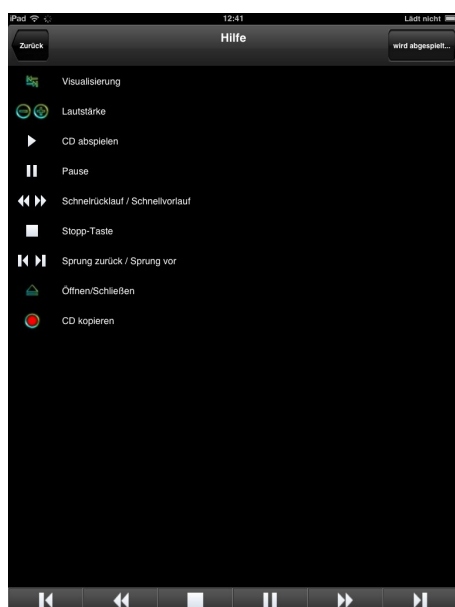


Figure 5.12: CD player Help

The "CD player Help" displays the function of each icon. It is also always possible to return to the Home view, by tapping on the middle of the header line.

5.6 Control view

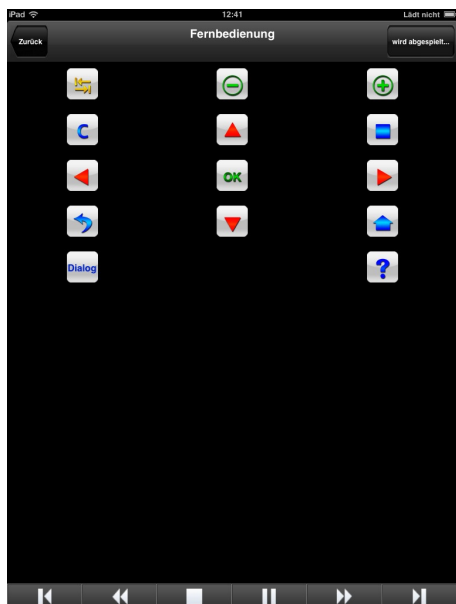


Figure 5.13: control view

The Control view is used for the screen-controlled control of the CHRONOLOG, similarly to the Director. The individual functions are explained in the Control Help. This can be accessed by tapping on the Help icon [?].

5.7 Dialog control view

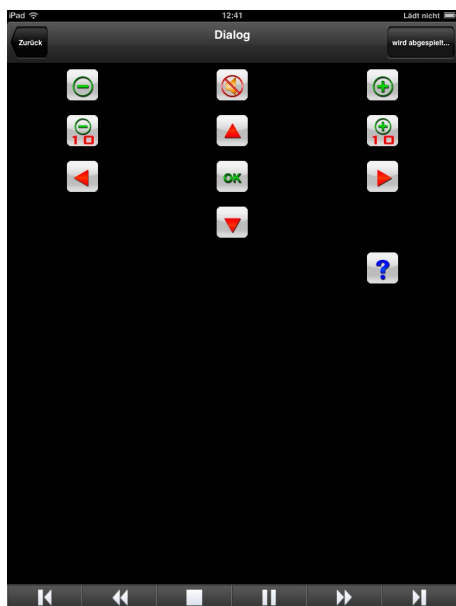


Figure 5.14: Dialog control view

The TRIGON- DIALOG can be controlled through the DIALOG control view if the DIALOG is connected to the CHRONOLOG by a USB cable.

5.8 Music overview

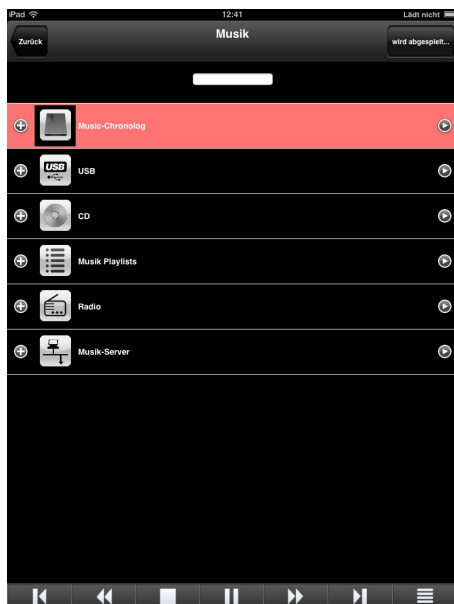


Figure 5.15: Music overview

Tap on Music in the Home view to display the Music overview. The Music overview then shows you the individual sources. The track that is currently being played is highlighted in red. The source is called by tapping on the corresponding **text**, e.g. "Music Chronolog".

5.9 Music selection

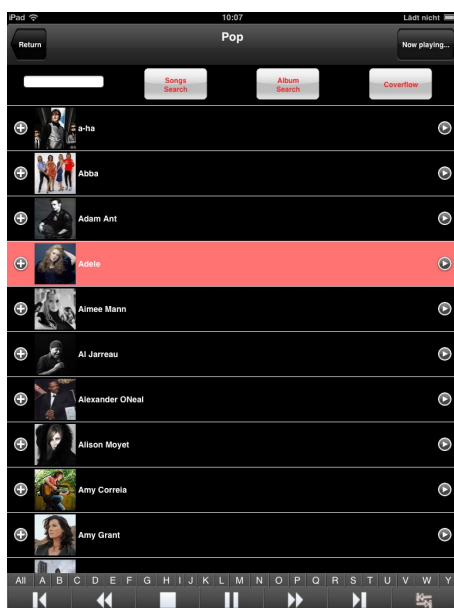


Figure 5.16: Music selection

If a source has been selected, the corresponding folders (CDs) are displayed. Tapping on the [+] icon adds the folder or the album to the playlist. Tapping on the cover picture opens up an editing interface (Page 31). The text is used to select and the Play icon starts the playback of the corresponding album.

5.10 Coverflow

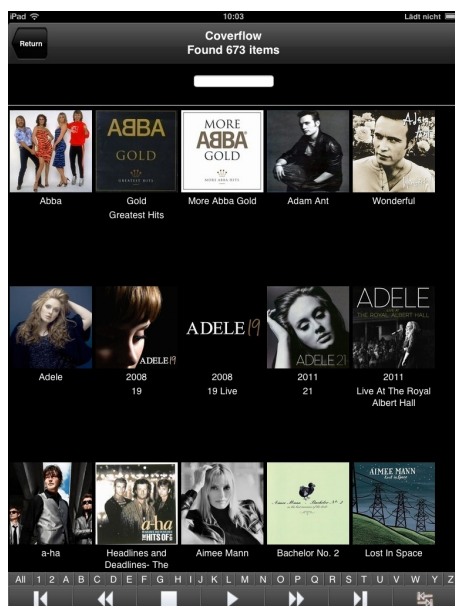


Figure 5.17: Coverflow

By tapping on "Coverflow" in each of the source views, you switch to an album overview that only displays the album covers. The overview only shows albums for which a cover has been stored. You can sort this out for each album / folder by tapping on the cover place-holder and opening up an editing interface.

5.11 Editing interface

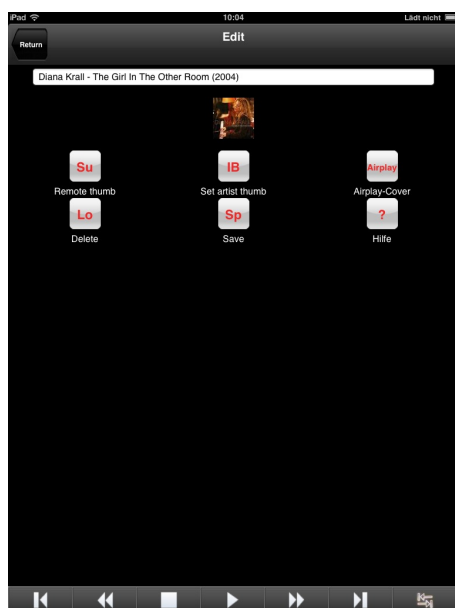


Figure 5.18: Editing interface

The Editing interface enables you to carry out edit functions for each album and each title. The name can be modified in the top line. Changes to the name are applied when you tap on "Save". You can find a suitable cover with the search function, which you start by tapping on "Search". If you don't like a track or an album, you can remove it here with "Delete". Please note that only folders or sub-folders may be deleted.

5.12 Cover search



Figure 5.19: Cover search

A short time after you have started the Cover search through the Editing interface, a selection of covers resulting from the search is displayed. If you like one of them, select it by tapping on the corresponding image.

5.13 Music playlist

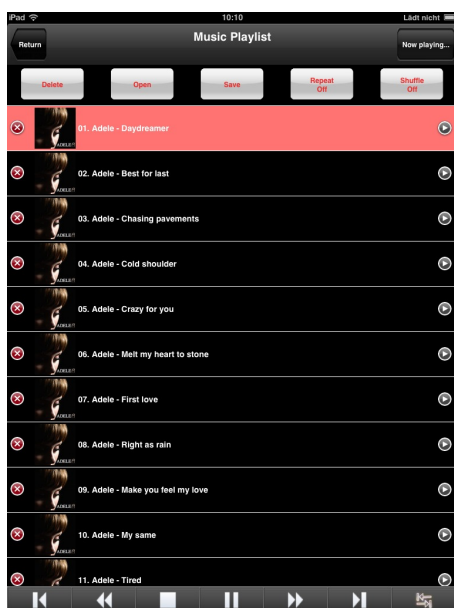


Figure 5.20: Music playlist

If something is currently being played by the CHRONOLOG the Music playlist can be called by tapping on the Music playlist icon in the Home view. Individual tracks can be removed from the list by tapping on the [x] icon or tracks can be selected by tapping on the name text. Collections of tracks can also be saved as a playlist by tapping on the Save icon.

5.14 Now Playing



Figure 5.21: Now Playing

The display of the current track can be called from each view by tapping on **"... now playing"**. By tapping on the cover, you get to the current playlist and using the progress bar, you can skip to a desired position within the currently playing track. If no cover is available, as for example when listening to the radio, a picture of the artist is shown instead. Additionally, information about the artist is shown in the lower part of the screen.

5.15 Radio

You will also find the entry "Radio" under the music sources. To start with, this folder is almost empty and has to be filled with radio stations that interest you. You can use the icons in the top bar to search.

Select the correct search mode for you:

Search/URL General search option.

You can combine several search terms with a "+".

You can also enter a URL manually.

Genre: Search for a particular genre, such as POP, ROCK, etc.

Artist: Search for a station who is currently playing a track by the corresponding artist.

Top: Display of the Top 10 if you enter 10, Top 100 if you enter 100

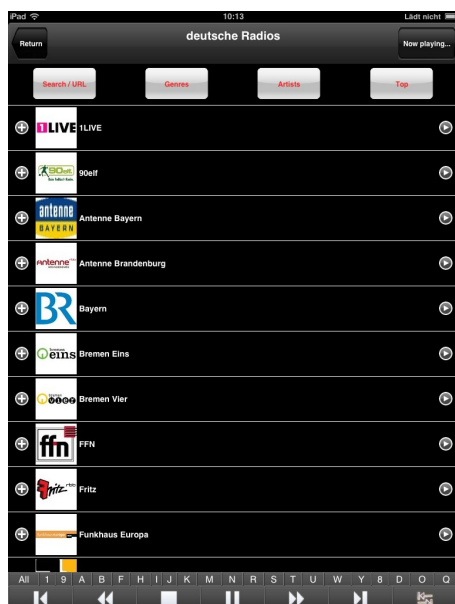


Figure 5.22: Radio

After you have initiated the search, you are asked whether you want to filter the result according to bit rate (quality). You should select a high bit rate, in order to find stations with a higher quality signal. You should be aware that not all radio stations work with high bit rates and you have to have an Internet connection that is fast enough to handle them. Selecting "No limitation" will return you the largest number of results.

5.16 Radio search result

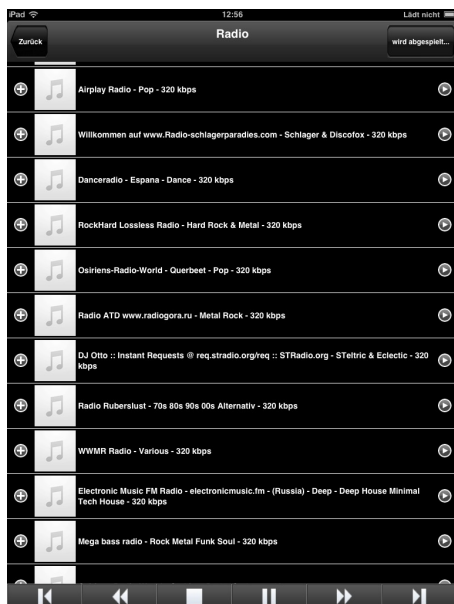


Figure 5.23: Radio search result

By clicking on the logo you can now select and listen to a station and. If you like a station they can save it in the radio list, by pressing the (+) symbol of the radio station.

By clicking on the name text, you can now select and listen to a radio station. If you like a radio station, you can add it to the radio list by tapping on the station [+] icon or by selecting "Add to favourites" under "... now playing". The bit rate (signal quality) of the corresponding radio station is shown at the end of the list entry line, e.g. 320 kbps.

5.17 System information



Figure 5.24: System information

System information is called up by tapping on the TRIGON logo in the Home view and contains details about the most important system data, such as IP address and memory usage. The latest Operating manual is also stored there.

5.18 Settings



Figure 5.25: Settings

Certain Settings can also be made through the "Trigon Touch" remote control. So, independently of the system, you can change the language as a test and make various other settings. For those of you who already have a music collection on a external hard disc, there is the option here of starting a cover scan with the USB icon, which imports all covers for the remote control. These covers must be located in the corresponding album folder as "folder.jpg". Of course, you can also assign a picture to any artist folders that are present. In the case of larger collections, this process needs some time and is carried out in the background.

5.18.1 Settings icons



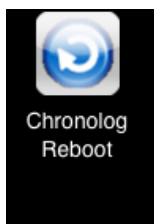
Display on/off

Switch the text display on the front of the CHRONOLOG on and off.



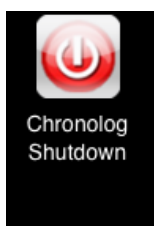
LED on/off

Switch the bit and sample rate display in the CHRONOLOG on and off.



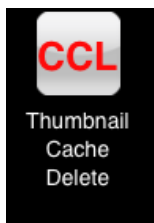
Restart CHRONOLOG

Carry out a restart of the CHRONOLOG.



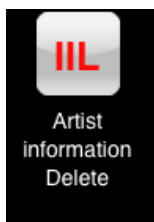
Switch off CHRONOLOG

Switch the CHRONOLOG off.



Delete cover cache

Delete all covers that have been saved for the Trigon Touch. Covers in the music folders are not affected.



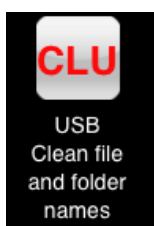
Delete artist information

Delete all artist information that has been saved for the Trigon Touch.



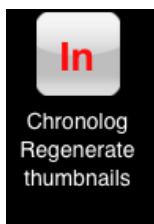
Clean up CHRONOLOG file and folder names

Special characters in the names of the file and folders stored on the CHRONOLOG that can cause playback problems are removed. (‘, ’, ", %, :, ;, ...)



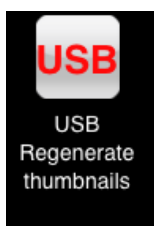
Clean up USB file and folder names

Special characters in the names of the file and folders stored on all connected USB media that can cause playback problems, are removed. (‘, ’, ", %, :, ;, ...)



Recreate CHRONOLOG covers

The covers (folder.jpg) stored in the folders/albums on the CHRONOLOG are read in again for the Trigon-Touch remote control.



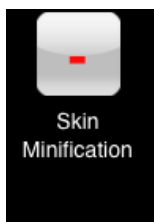
Recreate USB covers

The covers (folder.jpg) stored in the folders/albums on the connected USB media are read in again for the Trigon-Touch remote control.



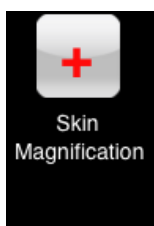
Recreate SMB cover

The covers (folder.jpg) stored in the folders/albums on the network memory media (SMB) that have been set up as sources are read in again for the Trigon-Touch remote control.



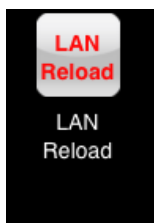
Skin reduction

The TV screen display is made smaller.



Skin enlargement

The TV screen display is made bigger.



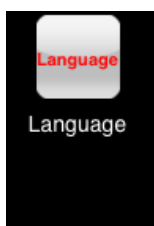
LAN reload

The network connection to the CHRONOLOG is re-established.



WLAN

WLAN settings (see: 5.19)



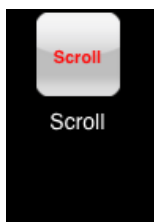
Language

Temporary language selection for the Trigon-Touch user interface.



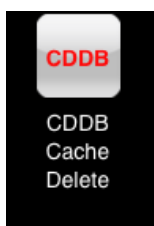
Color

Choose the Trigon-Touch color: white or black



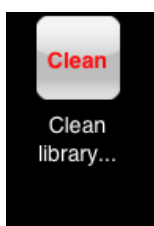
Scroll

Enable / Disable Top-Scrolling



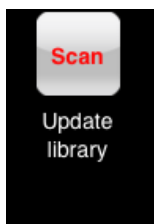
Delete CDDDB cache

Deleted saved CD information.

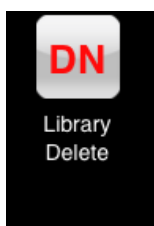


Remove invalid database entries...

Remove invalid entries from the UPNP database.



Update database
Update UPNP database.



Delete database
delete UPNP-database.



1920 x 1080 resolution
Select fixed resolution for the monitor/TV.



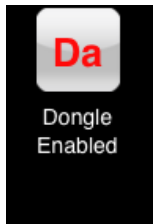
1280 x 720 resolution
Select fixed resolution for the monitor/TV.



1024 x 768 resolution
Select fixed resolution for the monitor/TV.

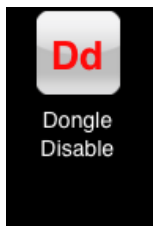


Reset resolution
The resolution for the monitor/TV is selected automatically.



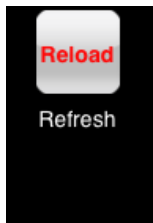
Dongle activate

The Chronolog can be started without a monitor / TV or hardware dongle.



Dongle disabled

A monitor / TV must be connected to start when the dongle is disabled.



Update

The Trigon-Touch user interface is reloaded.



Support

Open the Support access.

5.19 WLAN settings

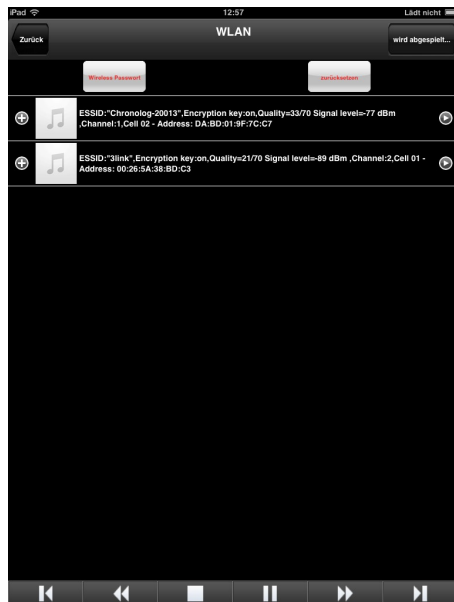


Figure 5.26: WLAN settings

You will also find an area for the WLAN Settings under Settings. There you can assign a new WLAN password or reset everything back to default settings.

6. Help

- After switching on, the CHRONOLOG hangs during the start-up process, shows "Trigon CHRONOLOG in the display and the operational display flashes (see section 6 & 15 Chapter 2.1 on page 8).
 - The CHRONOLOG is waiting for a connection to a monitor/television (with most models, this doesn't have to be switched on) or it is waiting for a dongle to be plugged in. Please check the connections to the monitor or TV or plug the dongle in.
- The "Trigon-Touch" remote control user interface doesn't open in your browser.
 - Check whether there is a WLAN connection to the CHRONOLOG or to your router.
 - In the case of a direct connection to the CHRONOLOG, you have to enter `http://192.168.159.1/` in your browser.
 - In the case of connection through your router, you have to enter the CHRONOLOG's IP address into the address line of your browser. You can find this IP address by selection SYSTEM INFORMATION in the CHRONOLOG's Main menu and switching to the Network entry. Please note that the address only appears in the CHRONOLOG display if no music is currently being played.
 - In the case of a connection through your router, the connection to the CHRONOLOG must also be in place. Check the network cable from the CHRONOLOG to the router and restart the CHRONOLOG.
- The inserted CD will not eject.
 - Check whether the CHRONOLOG is ready for operation and that the menu is displayed.
 - Select the item "Open/close disc" from the menu.
 - If the menu is not displayed, check whether the dongle or a monitor/TV is connected.

7. Technical Information

7.1 Features

- High-End CD ripping in uncompressed WAV format or space-saving flac format.
- Music formats that can be played:
 - wav, mp3, flac, cdda, nsv, m4a, aac, strm, pls, rm, mpa, wma, ogg, mp2, m3u, mod, amf, 669, dmf, dsm, far, gdm, imf, it, m15, med, oct, s3m, stm, sfx, ult, uni, xm, sid, ac3, dts, cue, aif, aiff, wpl, ape, mac, mpc, mp+, mpp, shn, zip, rar, wv, nsf, spc, gym, adplug, adx, dsp, adp, ymf, ast, afc, hps, xsp
- Up to 192 kHz, 24 bit
- High-End music track caching
- Gapless playback
- High-End CD player with metadata display
- Editing through WEB portal
- Cover administration/download
- High-End file server
- High-End NAS (Network Attached Storage) and Media Streaming
- Access to and integration of distributed music databases in the network/uPnP client.
- Native Internet radio without artificial upsampling.
- Radio search by name, artist and genre.
- Intuitive graphical Touch user interface through WEB portal for all devices with browsers that support Java Scripting (except Microsoft Internet Explorer).
- File management functions
- Playlist administration
- Integrated 1 GB LAN Ethernet/WLAN Wifi interface
- Firefox Add-on for YouTube streaming to the CHRONOLOG.

- Karaoke CD support
- Last.fm scrobble (track information can be transmitted to Last.fm)
- CHRONOLOG Add-ons extend the functions
- Screen visualisation
- DAC 192 kHz, 24 Bit
- Bit rate and frequency display
- Automatic update over the Internet
- Silent SSD memory
- Detailed graphical display through TV and WEB portal
- Usage of USB memory without previous database import

7.2 Technical data

Connections:

2x	WLAN	1x	Optical S/PDIF output
1x	HDMI (TV)	1x	Coaxial S/PDIF output
1x	Power connection	1x	PS2
1x	Alternative sound output	1x	Asymmetrical output right
1x	Network connection	1x	Asymmetrical output left
4x	USB 2.0	1x	Symmetrical output right
2x	USB 3.0	1x	Symmetrical output left
1x	DVI		

Weight: 9,3 Kg

Dimensions: 440 x 89 x 350 mm (WxHxD)

Legal Notices

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Glossary & Lists

Solid State Drive

SSD is a memory medium that works without any moving parts. This makes it into a silently operating storage medium, e.g. a USB stick. SSDs are also particularly fast and don't get so warm during operation.
Referenced on Page 2

Tablet computers

The iPad is a tablet computer from Apple.
Referenced on Page 2

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