TRIGON
ELEKTRONIK GMBH

OPERATING MANUAL

FOR CD-PLAYER

Exxact

EXXACT

43 · 3843

OPEN   << <   > >>   START / PAUSE   STOP   POWER / TIME

TRIGON

CD-PLAYER
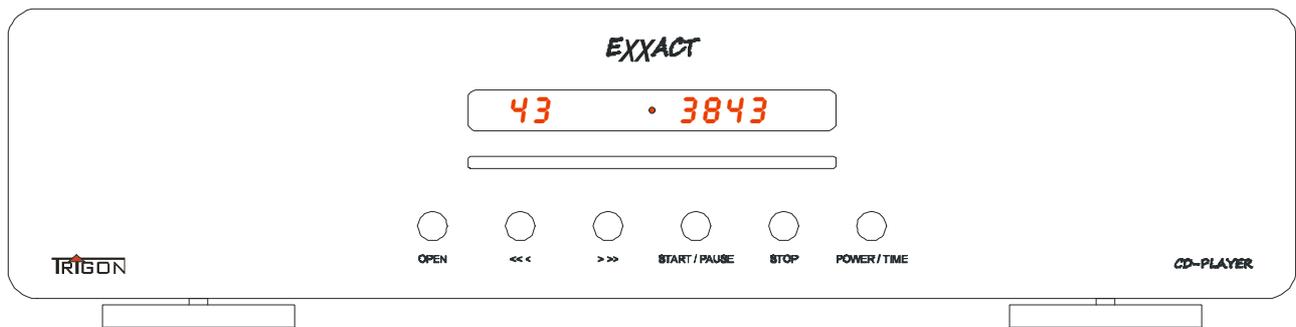
CONTENTS

1 Introduction

Valued **TRIGON** - Customer,

We are excited that you have chosen to purchase the **EXXACT** CD-Player.
This unit was built using the highest quality control to insure utmost precision in manufacturing.
Whether you are a beginner to Hi-Fi or advanced user, it is highly recommended that you read and understand this user's manual thoroughly before using your new CD-Player.
Be sure to keep this manual easily accessible as it could come in handy during normal use of this CD-Player.
We hope that you enjoy your new CD-Player and thank you for choosing **TRIGON**.

2 General technical manual

The **EXXACT** is a CD-Player, where outstanding tonal quality meets a design and set of features that conform to high-end demands.
This is exemplified by a high-quality Slot-In drive that ensures that there is no loss of (digital) musical information from the start of playback onward. The digital signal is then passed on to a state-of-the-art 24-Bit serial converter with a 192-KHz sampling frequency from Burr Brown, which converts it into an analog signal.
The steep roll-off slope of the output filter effectively prevents any aliasing of the playback signal.
The power is supplied by a externalized switched mode power supply, which provides the CD-player with a steady flow of power – even   with large fluctuations in voltage - and eliminates the sound altering effects of electricity.
The **TRIGON** suspension absorber feet - whose principle of operation corresponds to that of a Belleville washer – round off a systematic approach to prevent sound distortions through micro phonic effects.
The wide range of media in use today doesn't pose a problem for the **EXXACT** high-quality technology and its audio-optimized drive: The **EXXACT** is able to play CD-Rs and CD-RWs. These should be of good quality, otherwise "dropouts" may occur during playback.
The **EXXACT** is completely microprocessor controlled. It is possible to operate the player itself directly (not all functions) as well as via IR-remote control (**TRIGON DIRECTOR**). The clearly laid out display shows the current state. The **DIRECTOR** can also turn the CD-player on and off.

2.1   Safety notices

TRIGON ELEKTRONIK assumes no liability for damage, which result from inappropriate handling and/or disregard for the following safety instructions.

The CD-player may not be placed close to strong heat sources such as heating elements, furnaces, high-powered lamps, open fires, etc.

The CD-player may not be exposed to strong impacts and vibrations.
The CD-player may not be connected to the power outlet immediate after being brought from a cold environment to a warm one. Condensation could damage the device. Wait a few minutes until the device is warmed up to room temperature.

The CD-player should not be exposed to direct sunlight.

Please ensure that the device gets sufficient ventilation at its installation location.

Don't pour fluid on the CD-player; the inside of the device must remain dry.

Never activate the device without having the protective casing in place.

Always remove the power plug from the socket before opening the device.

Never bridge the fuse. Please replace a defective fuse only with an original fuse of the same type and rating.

Never attempt repairs on your own. Only authorized, properly trained technical personnel may undertake any maintenance and/or repair. Any damage that results from improper handling or unauthorized repair attempts will void any possible warranty claim.

Please always turn off your system's device before changing and/or attaching cables.

The **EXXACT** can operate at a voltage between 100V and 250V.

2.2   Set-up Recommendations

After unpacking the unit, examine the device first for possible transport damage. If you should determine damage has occurred, then immediately contact your dealer. Next examine the contents of the container to ensure all components are present. You should find addition to the **EXXACT** the following:

- Optional: IR remote control **DIRECTOR** incl. operating instructions
- Operating instructions **EXXACT**
- Warranty requirement certificate

Set up the device horizontally in a dry place. Ensure good ventilation. Strong magnetic scattering fields, which are caused by output stage transformers and halogen light transformers, can lead to stray humming effects. Therefore set up the CD player some distance from such devices. Also, do not lay the cable connections parallel to the lighting leads.
Stray humming effects are also produced from fluorescent lamps, so keep a minimum distance of approximately 1m. Avoid direct sunlight and don't set up the **EXXACT** close to strong heat sources.

2.3   Guarantees and Service

The **Exxact** is a high-quality and sophisticated product. We at **TRIGON** try to ensure the demands made of a **TRIGON**-product are met via numerous quality tests and strict goods control. If a problem should however occur, then **TRIGON ELEKTRONIK GmbH** grants a 3-years warranty. The warranty includes the repair of the defective part as well as any labor charges. This is the limit of liability.
The warranty excludes any damage which resulted from inappropriate installation, incorrect operation or repairs through unauthorized specialist dealers and private individuals. Further the warranty is void with disguised serial numbers as well as when damage occurs as a result of accident or transport damages.

3.   Start-up

After unpacking the CD Players, we recommend you first connect and switch on the device with electricity to the unit only, without having first connected it to other devices.
After a short switching on phase (the operating display LED [8] flashes) you hear a low clicking of a relay. The **Exxact** is now ready for use. You should now make yourself somewhat familiar with the controls and the female connectors.
Before beginning the hook up you should – as always – verify that the **Exxact** and all other components are powered off!

3.1   Die Bedienungselemente auf der Frontseite
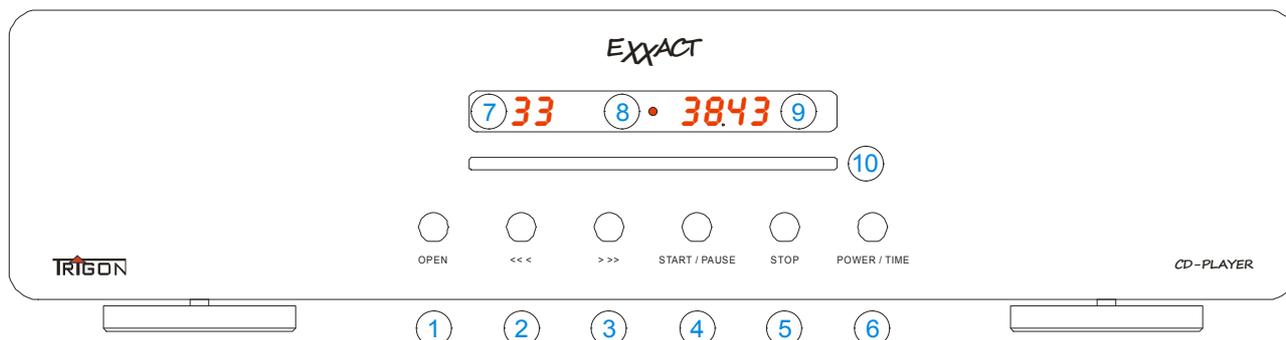
[1] Key OPEN

By pressing this key the inserted CD is ejected.

[2] Key << (title return and fast search return)

This key has two functions. The scanning laser jumps to the title beginning of the momentary shown title by briefly pressing the key. The laser will be brought to the previous title by pressing the key two times, provided the momentary shown title plays longer than 2-3 sec. Long pressing of the key arranges the return search where the signal can be listened to sequentially.

[3] Key >> (title jump forward and fast search advance)

This key has two functions. The scanning laser jumps to the next title by briefly pressing the key. The advance search will be started by holding down the key, where the signal can be listened to sequentially.

[4] Key START / PAUSE

If there is an audio-CD in the **Exxact** , the CD player can be started by pressing this key. By pressing the START-button during the rendering procedure the break function is switched on and the display show the word "*PAUSE*". Pressing again on the start button solves the break and the device is again in the run mode.

[5] Key STOP

If you want to break off the rendering procedure, you can do that by depressing the key STOP.

[6] Key POWER / TIME

The four different time modes can be selected with this key. For further information see number [9]. Long pressing switches off the **Exxact** (Standby mode). By short pressing of this key the CD player can be turned on again.

[7] LED Display Title Number

This display indicates the number of titles detected on the CD. Then the actual title number is indicated. This display expires if total play time and total remainder play time were shown in the indicator mode.

[8] Operational status indicator LED

After switching on the CD Player this LED flashes for a few seconds, until the **Exxact** stabilized its initialization. When no CD is inserted the LED doesn't flash and the player is is directly ready for use as soon as the LED shines bright constantly.

[9] LED Display Title Time

This four-digit display can be adjusted with the remote control and/or the MODE-key [6] to four different time indicator modes.
Mode 1: Already played title time, e.g. *2.45*
Mode 2: Total remainder-rendering time, e.g. *–63.36*
Mode 3: Title remainder-rendering time, e.g. *–5.23*
Mode 4: Already played total rendering time, e.g. *34.52*

[10] CD SLOT

Insert the CD here. The CD is to be inserted with the inscription side facing up and the data side facing downward. The Slot In drive handles the CD's very carefully and damages have not to be feared.

3.2 The Connections on the Back
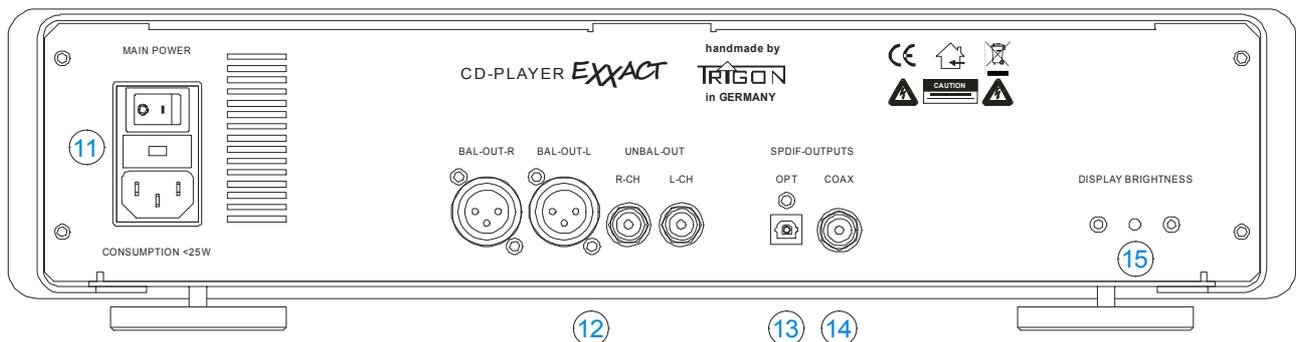
[11] Power Connection, Power Switch and Fuse

Use the supplied high-quality power cord Volt to connect the unit to the power supply. Pay close attention to the markings (red dot) and be sure that all power plugs of your system are connected properly by inserting them in the same direction into the AC outlet.
Set the power switch to the on position to supply AC power to the unit. When the fuse blows, replace it only by a fuse of the same rating. Be sure to unplug the unit before replacing the fuse.

[12] ANALOGue OUTPUTS, XLR and RCA

These output plugs are connected with the input plugs of the rendition amplifiers. These entrances are usually designated at the amplifier with CD, AUX or LINE INPUT.
(Please take note of the operating instructions of your amplifier)

### [13] Optical digital Output (Toslink)

A Toslink Optowire can be connected to this socket. Provided that the Digital-Analog-Converter (DAC) or the Amplifier is equipped with an optical Input, this socket also can be used for digital transmission of signals. As the signals are transmitted via a fiber optics, no electrical connection exists between DAC and CD-Player, which can be beneficially to avoid humming loops.

[14] Coaxial digital Output (SPDIF)

A separate digital-analogue transducer can be attached at this BNC socket. Please make sure that you attach and adjust the provided HF-terminal resistance to this socket, if you don't use this exit. This avoids radiating uncontrolled high frequency signals with this exit, such as with a radio station, where it is possible that sensitive high frequency devices like your UKW-Tuner or television could be disturbed.

3.3 The Remote Control

The IR-remote control **DIRECTOR** is available as accessory for CD Player **EXXACT**.
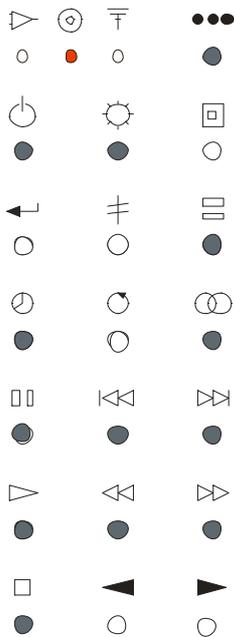
The **DIRECTOR** is a system remote control which is also compatible to other **TRIGON** HiFi devices. The graphic on the left shows all keys, with which the **EXXACT** can be served, in dark colour. These keys are available during selection type CD-Player.

The following functions of **EXXACT** can **only** be performed with the remote control:

> **Key ☉ = ON/OFF**
> To activate the standby mode of the CD Player,
> press the key ON/OFF for a few seconds.
> (Standby mode)

- **Key DISPLAY** ☼

  With this key you enter the display menu for the setting of the brightness and the display on/off mode.
  After pressing this button the title display [7] show the letter "h" and the time display [9] show the value of the brightness.
  With the keys [**I<<**] and [**>>I**] the brightness of the display can be adjusted then. After this press the button [**<<**] if you like to switch off the display. Press [**>>**] if you like to light up the display. Until you have operated this buttons you leave the display menu.
  If the display is switched off, only the power on LED is lighting. Mind you the display light up for a while every time an operation occur.
  To switch the display permanently on again, press the DISPLAY ☼ button and after it the button [**>>**].

TRIGON
D I R E C T O R
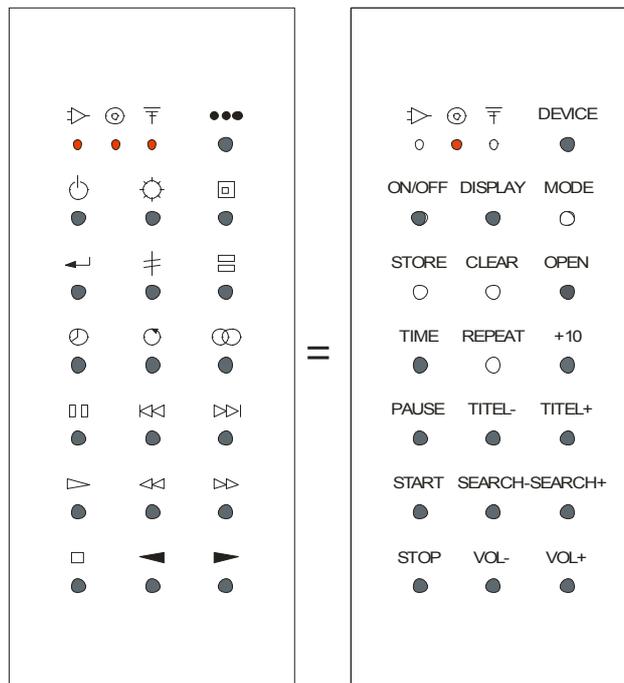
Button layout **DIRECTOR** for **EXXACT**

Key +10 ⬭

This key switches on – for a limited time - the 10th-keyboard, which allows direct selection of titles. If activated, the LED ⊙ lights up at the **DIRECTOR** and the display of **PRINCE** shows two horizontal lines, which later shows the entered numerals (number of the title). The following keys delineate the numerals in the activated 10th-keyboard, whereby single - or double pressing the single - or double digit number of the title can be entered directly:

Numeral	Key	Numeral	Key	Numeral	Key
1	ON/OFF ⟳	**2**	Display ☼	**3**	Mode ▣
4	STORE ◄⏎	**5**	CLEAR ⟊	**6**	OPEN ☰
7	TIME ⏲	**8**	REPEAT ↻	**9**	+10 ⬭
0	PAUSE ‖‖				

The function starts automatically after entering the corresponding numeral(s).

Key OPEN ☰

By pressing this key the CD is ejected.

Key TIME ⏲

The time modes described under number **[9]** can be selected in the order indicated with the key TIME.

Keys TITEL – ◄◄ and TITEL+ ►►│

These keys offer a partial function described under **[2]** and **[3]** and their functionality. If the key TITEL- is pressed one time, the scanning laser springs back to the beginning of the most recently played title. By pressing the key two times it springs to the previous title. The next title will be selected by pressing the key TITEL+. This buttons are used for the operating of the display brightness in the display menu, too.

Keys SEARCH – and SEARCH+ ◁◁ ▷▷

These keys offer a partial function described under **[2]** and **[3]** and their functionality. Press and hold the key SEARCH- for a few seconds to search backward; press and hold the key SEARCH+ for a few seconds to search forward. The signal can still be heard in both cases sequentially.

Key PAUSE ││

If the CD-Player is in render style, the rendition can be stopped by using the function of break. By using the key START the Pause is cancelled and the rendition can be continued (Also described under **[4]**.)

Key START ▷

The rendition can be started with this key.

Key STOP □

The rendition is stopped with this key.

Keys VOL – and VOL+ ◄ ►

These keys do not control any functionalities of **EXXACT**. However, they will control the volume of a connected **TRIGON** Amplifier, without switching the Director to the Amplifier ▷ device.

Please learn from the manual of the **DIRECTOR** and the following graphic, which keys are relevant for the other functions.

4 What to do, if...

In this chapter we want to give you a few hints, which will help to resolve smaller problems.

4.1 ... nothing works?

Is the power supply plug inserted correctly? - Put the power supply plugs firmly into the plug socket.

Does the mains voltage rest against the used main plug socket, or has the home fuse maybe reacted? – Examine the home fuse.

4.2 ... one hears nothing?

Is the correct entrance at the amplifier selected? - Select the correct entrance.

Does the **EXXACT** supply at all a signal? – Attach the **EXXACT** to another entrance and examine if it functions. If this is the case, something is wrong with the other entrance of the amplifier. - Examine the entrance of the preamplifier.

Was a computer data CD inadvertently inserted? – Insert an audio CD.

Did the **EXXACT** read the CD correctly? – If the player cannot read the CD, it tries to read the data in anyway. If it isn't successful, the message "NO disc or 0.00 or err" appears in the display. The CD is either defective or badly scratched and/or dirty. - Use a new CD.

4.3 ... it hums?

Are the connecting cables tight and firmly put in? – Examine connection leads.

Sometimes multiple groundings can cause so-called humming loops. This problem requires an experienced technician. We recommend you to contact your specialist dealer. If your amplifier is equipped with an optical Input, by using of this Input humming loops can be avoided.

... It hums only, if the tuner, the video recorder, or the television is connected to the preamplifier. - All these devices are connected with a grounded antenna. Thus it causes a humming loop again, which can be simply eliminated, in this case simply with a fan-jet filter, which is switched into the antenna inlet. Such fan-jet filters are available inexpensively in radio and television speciality shops.

4.4 ... the remote control doesn't operate?

Does the remote control operate in the preamplifier mode? – Press the key ●●● on the remote control. The LED ⊙ will shine. The remote control is activated now for the Exxact.

Are the batteries dead? - Insert new batteries.

Is there too much distance? - Reduce the distance. The IR remote control has a limited range. The IR remote control will operate at a distance of up to eight metes with fully charged batteries, depending upon exposure to sunlight.

If the receiver probe is exposed to bright sunlight, the range decreases. – Avoid direct sunlight.

5. Technical Data

Frequency response	: 20Hz - 20kHz (+ - 1dB)
Distortion factor	: < 0.02 %
Cross-talk attenuation	: < -80 dB (1kHz)
Distance of weighted noise voltage	: < -100 dBA
Outputs	: Analog - 1x Cinch, 1x balanced XLR : Digital - 1x BNC, 1x optical Toslink
Output Impedance	: 47 Ohm
max. Output voltage	: 2 V eff
Accessories (optional)	: IR-remote control DIRECTOR
Weight	: 8 kg
Dimension	: 440 x 110 x 380 mm (BxWxD)
Warranty	: 3 years

Subject to change

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