



## OPERATING INSTRUCTIONS

FOR CD-PLAYER

### EXXCEED



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# 1. Preface

Dear **TRIGON** - customer,

Thank you for choosing the CD Player **EXXCEED**. This device was manufactured utilizing the strictest production controls and the latest precision technology.

Even if you are familiar with the use of HiFi devices, you should study this operation manual carefully and confirm your understanding of the instructions, which are contained therein.

Please keep this instruction manual, because it can serve as an aid in handling your CD Player in the future.

The **TRIGON** - team wishes you lots of fun with your new CD Player.

## 2. General technical manual

The **EXXCEED** 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 drive – whose loader is guided by side stainless-steel push rods – 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 drive oscillator clocks the entire digital audio, so that clock-jitter is kept to a minimum. The steep roll-off slope of the output filter effectively prevents any aliasing of the playback signal.

The power is supplied by a specifically developed 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 2mm strong steel-sheet casing is lined internally partially with absorption mats, so that microphonic effects are kept from the sensitive electronics. 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 microphonic effects.

The wide range of media in use today doesn't pose a problem for the **EXXCEED's** high-quality technology and its audio-optimized drive: The **EXXCEED** is able to play CD-Rs and CD-RWs. These should be of good quality, otherwise "dropouts" may occur during playback.

The **EXXCEED** 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 – which can be dimmed and turned off by the **DIRECTOR** - shows the current operating 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 **EXXCEED** can operate at a voltage between 180V and 250V, 230V is the average. If another voltage is required, please contact your dealer or **TRIGON**, so that the device can be retrofitted.

## 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 **EXXCEED**, the following:

- Mains cable **TRIGON VOLT**
- IR remote control **DIRECTOR**
- Operating instructions **EXXCEED**
- 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 **EXXCEED** close to strong heat sources.

## 2.3 Guarantees and Service

The **EXXCEED** 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 Commissioning

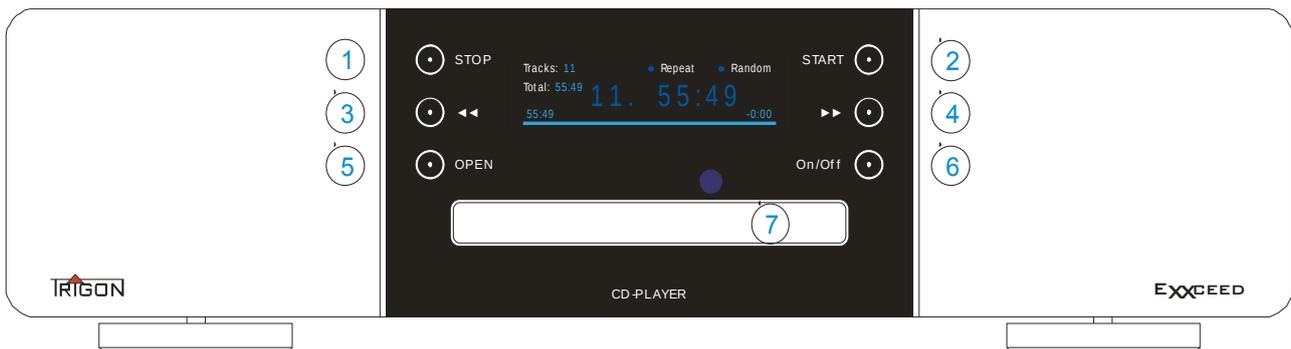
After unpacking the CD player, we recommend that you first only connect the device to the mains and switch it on without having connected it to other devices. Turn on the standby power switch [8] on the back of the device and then touch the [6] ON / OFF button on the front. The display lighting switches on and after a few seconds the output relays are switched on.

The **EXXCEED** is now ready for use.

Now touch the [5] OPEN key. The CD drawer opens and you can insert a CD. Touch the button [5] again to close the drawer. After the **EXXCEED** has read the CD information, the display shows the number of tracks and the total playing time.

Now familiarize yourself a little with the controls and the connection sockets. Feel free to try all functions; You cannot destroy anything. Once you have familiarized yourself with all functions and have understood how the **EXXCEED** works, you can start with the wiring. However, you should - as always when working on the wiring - switch off the Exxceed CD player and the other devices in your system!

### 3.1 The controls on the front



picture 1

The control buttons on the **EXXCEED** CD player are electronic sensor buttons. The switching function is triggered by placing your finger on it. When the key lighting is switched on, the keys light up a little brighter as soon as a switching process is recognized. Some buttons have multiple functions, which are described below.

#### [ 1 ] Button STOP

Durch Antippen dieser Taste wird die Wiedergabe gestoppt. Durch längeres Berühren dieser Taste gelangt man in das Einstellungs Menü oder kann es mit dieser Taste auch wieder verlassen. (Siehe Kapitel 3.3.x)

#### [ 2 ] button START ( break )

Briefly touching this button starts playback of the inserted CD. Another short touch switches the PAUSE (II) of the playback on or off. If this button is pressed longer, the repeat function "Repeat" is activated first. Another long press of the button also switches on random play "Ramdom". Another long press of the button then switches off the repeat function and after another long press of the button the random function switches off again. Another long press switches the repeat function back on, etc.

### [ 3 ] Button <<< Title jump back and fast search rewind

Briefly touching this button plays the track before the track currently being played. If the button is pressed continuously, the system jumps back within the title. When the menu is open, this button is used to navigate backwards.

### [ 4 ] button >>> Skip forward and fast search forward

Briefly touching this button plays the track after the track currently being played. If the button is pressed continuously, the title jumps forward. When the menu is open, this button is used to navigate forward.

### [ 5 ] button OPEN

Briefly touching this button opens and closes the CD drawer. When the menu is open, pressing this button shows the current device software version at the bottom of the display.

### [ 6 ] button ON/OFF

This button turns the CD player on and off. A short press on this button switches the **EXXCEED** on and a longer press switches it off (standby mode).

### [ 7 ] CD drawer

The audio CD is inserted here. The CD must be inserted with the label side up and the data side down. When the drawer is open, the automatic closing mechanism can also be triggered by pushing the drawer manually.

## 3.2 The ports on the back



picture 2

## **[ 8, 9, 10 ] MAIN POWER**

[ 8 ] The mains voltage is switched on with this switch (standby).

[ 9 ] The mains fuses are located here.

[ 10 ] The enclosed power cord is connected to this socket.

## **[ 11 ] COAX SPDIF Digital Output**

A separate DA converter can be connected to this socket.

## **[ 12 ] DIGITAL OUTPUT (Toslink)**

If your digital-to-analog converter (DAC) or your amplifier has an optical SPDIF digital input, you can use this socket with the help of a Toslink fiber optic cable for digital signal transmission. Since the signals are transported here via an optical fiber, there is no electrical connection between the DAC and the CD player, which can sometimes be advantageous in order to avoid ground loops.

## **[ 13, 16 ] R-CH, L-CH analog Output, asymmetrical**

These analog outputs (R = right channel, L = left channel) are connected to the corresponding inputs of the playback amplifier. As a rule, these inputs on the amplifier are labeled CD, AUX or LINE-INPUT. (Also note the operating instructions for your amplifier)

## **[ 14, 15 ] R-CH, L-CH analog Output, symmetrical**

Here is the unbalanced analog audio signal. Connect these sockets to an analog XLR input of your playback amplifier. (Also note the operating instructions for your amplifier)

# **4 Remote control**



explanation to the left of each key in order to make the reference in the following text easier to understand.

**Button (1) ON/OFF**

Press and hold this button to switch the device on or off (standby mode).

**Button (2) DISPLAY**

This button turns the display on and off.

However, each time the CD player is operated, the display lights up briefly (with the set brightness) for a few seconds to acknowledge the operating function. The display also briefly informs you of the track number and the track time at the beginning of the next track.

**Button (3) KEY ILLUMINATION**

With this button, the brightness of the blue backlight buttons can be set in 8 levels.

**Button (4) REPEAT, RANDOM**

This button is used to switch the repeat function (Repeat) and the random play function (Random). If the menu is switched on, this key can also be used to exit the menu.

**Button (5) MENUE**

This key is used to call up or exit the menu (see also Chapter 5)

**Button (6) OPEN**

This button opens or closes the CD drawer.

**Button (7) back**

You can use this key to jump back one title in the title overview each time you press the key.

**Button (8) Menu selection**

This key calls up a selected menu.

**Button (9) before**

With this key, you can jump one title further in the title overview.

**Button (10) braek**

If this button is pressed during playback, playback is interrupted. Pressing this button again continues playback.

**Taste (11) no Function**

This button has no function on the **EXXGEED** CD player.

**button (12) Number keys ON**

Pressing this button switches on - for a limited time - the number keys, which enables direct title selection.

If this is active, the LED on the Director remote control lights up

Now the keys 1 to 10 (see figure 4) are a “number keyboard”, whereby the key 10 stands for the number “0”. As long as the LED on the remote control is constantly lit, you can directly enter the track number. After entering the corresponding number (s), the selected title starts playing automatically.

**button (13) START**

This button starts playback.

**button (14) <<**

If the button is held down during playback, the fast rewind starts.

**button (15) >>**

If the button is held down during playback, fast forward starts.

**button (16) STOP**

This button stops playback.

**button (17) no function**

This button has no function on the **EXXGEED** CD player.

**button (18) no function**

This button has no function on the **EXXGEED** CD player.

**button (19) Device selection**

This button is used to set the remote control to the device to be operated.

An LED shows which device is currently set.

The central LED must be set to operate the **EXXGEED** CD player. With each remote control command, the set LED flickers in time with the IR code. This also gives you an optical control of which device is currently selected.

## 5 The menue

Various settings can be made on the **EXXCEED** CD player. A long press on the button [1] or button (5) on the remote control opens the settings menu.

There are four menus here:

<b>Filter</b>	<b>Color</b>
<b>Power Management</b>	<b>IR-Remote</b>

The green dot in front of each menu shows which menu is currently selected. The selection is made with the buttons [2] and [5] on the **EXXCEED** or with the buttons (7) and (9) on the remote control. These buttons are the navigation buttons. With the key [4] on the **EXXCEED** and the key (8) on the remote control the selected menu is called up.

### 5.1 Filter

The DAC built into the **EXXCEED** CD player enables various filter settings. Select a filter with the navigation buttons and then exit the menu with the [1] button on the **EXXCEED** or the (4) button on the remote control. A CD is now played back using the set filter.

### 5.2 Power Management

Three settings can be made in this menu:

Display Timeout

LED Bightness

Power Timeout

Use the navigation buttons to select the desired setting (green dot). Now press the button [4] on the device or button (8) on the remote control to get to the setting. The dot now lights up red. You can now set the parameters using the navigation buttons. After setting, complete the setting by pressing button [4] on the device or button (8) on the remote control. To exit the Power Management submenu, press the button [1] on the device or button (4) on the remote control.

## 5.3 Color

In this menu you can adapt the color scheme of the display to your requirements.

Use the navigation buttons to select the desired setting (green dot). Now press the button [4] on the device or button (8) on the remote control to switch to Setting to arrive. The dot now lights up red. You can now set the parameters using the navigation buttons. After setting, complete the setting by pressing button [4] on the device or button (8) on the remote control. To exit the Color submenu, press the button [1] on the device or button (4) on the remote control.

## 5.4 IR-Remote

In order to control the **EXXCEED** CD player with an infrared remote control, a total of 16 different remote control commands are required. Often you have a remote control from a device from another manufacturer that is no longer used in the drawer that you would like to continue using. To make this possible, the **EXXCEED** CD player can "learn" remote control commands from external remote controls.

Open the IR Remote menu as described above. Here you can see a list of the 16 keys of the original TRIGON DIRECTOR PREMIUM remote control. The numbers of the buttons in Figure-4 correspond to the numbers in this submenu.

If you e.g. If you want to use the "PAUSE" function (key no. 10) with another remote control, navigate to position 10 in this submenu and press the START key [4] on the **EXXCEED** CD player. The control LED now lights up red. Now press the button on the external remote control that should have the "" break "function. The control LED now changes from red to green as soon as the **EXXCEED** CD player has recognized the new remote control command.

The control LED lights up green for all programmed commands.

If you now want to delete a command, navigate to the desired position and hold down the [4] START button until the control LED goes out. The position can now be re-programmed as described above.

## 6. What to do, if...

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

### 6.1 ... 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.

Did the internal micro fuse burn through? – Return the device back for service.

### 6.2 ... one hears nothing?

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

Does the **EXXCEED** supply at all a signal? – Attach the **EXXCEED** 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.

### 6.3 ... 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.

... 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.

## 6.4 ... 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 **EXCEED**.

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 metres with fully charged batteries, depending upon exposure to sunlight.

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

## 7 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 XLR symmetrical : Digital - 1x Cinch (SPDIF), 1x optical (Toslink)
Output Impedance	: 33 Ohm
max. Output voltage	: 2 V eff
Accessories (optional)	: IR-remote control <b>DIRECTOR PREMIUM</b>
Weight	: 11 kg
Dimension	: 440 x 110 x 365 mm ( BxHxd)

Änderungen vorbehalten

**Production and construction:**

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