

# Reference CD-2.2MK II

## USER GUIDE

Congratulations on your new Consonance!

Every Consonance product is based on a simple philosophy:

The audio reproduction instrument shall reproduce the original musical sound, purely and naturally.

It shall use Opera audio design reflecting natural music reproduction and styling to fit in with any interior.

The products shall be easy to operate and shall be manufactured according to the best quality principles.

All Consonance products are created with acoustical instruments in a concert situation as point of reference. The music is reproduced exactly like the original and is limited only by the quality of the recording.

*Our aim is to give you the best possible music experience!*

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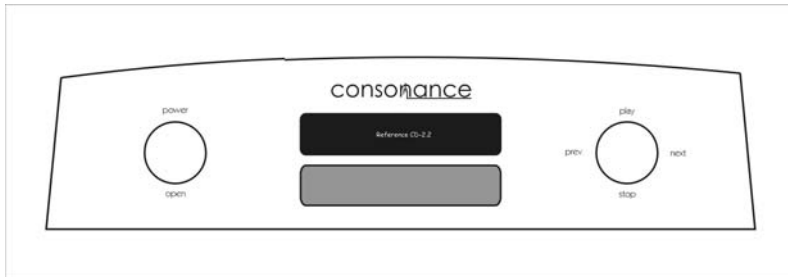
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## SOUND ADVICE

The Consonance Reference CD-2.2MK II High End CD-player is easy to connect and operate and requires no prior technical knowledge. However, to get the most out of the player's superior sound and music quality, we have provided a brief description of the connections and use of the player in order to provide a total music experience.

We recommend keeping this user guide for future reference.

## GENERAL USE



The CD player has only two knobs. The knob on the left hand side of the front panel has 2 function, the right one has 4 function.

### Power on / off

The CD-player is switched on by lifting the **bottom** of the knob on the left hand side of the front panel using a finger. By lifting the same position of this knob one more time the power is switched off.



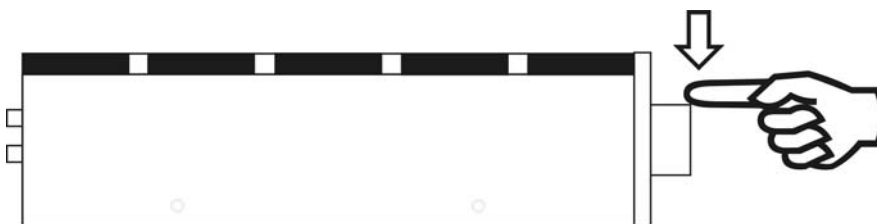
When power is switched on. After about 40 seconds the RCA output active.

**Note:** It takes about 1 minute for the 6H30 tube to reach its normal operating point, and only slight sonic improvement will be noticed after 5 minutes.

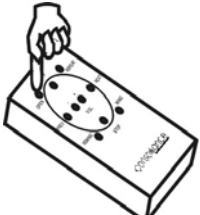
### Open / Close

Pushing down the **top** of the knob on the left hand side of the front panel using a finger will open the CD tray loader, and the CD can be placed in the tray.

To close the CD tray loader, push down the same position of the knob one more time.

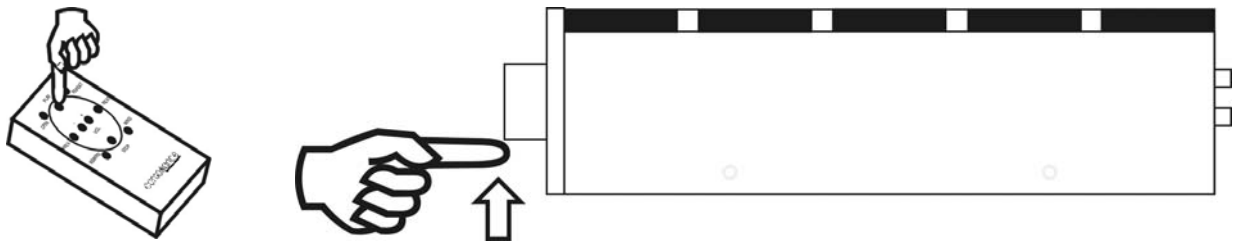


The CD tray loader can also be closed pushing tray loader gently inwards. by the



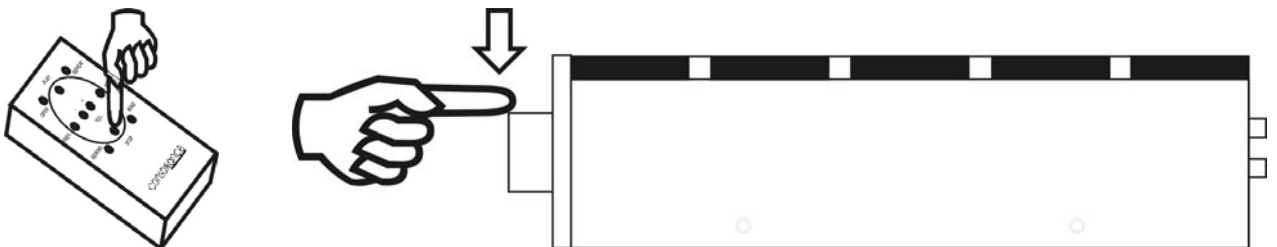
### Play / Pause

Lifting up the **bottom** of the knob on the right hand side of the front panel using a finger makes the player start playing. If the **bottom** of the knob is lifted up when a track is playing the player will go into pause mode. One more lift up at the same position of the knob and the player will start playing again from the same position on the CD. The pause function is indicated by the display flashing the track and time when the pause was selected.



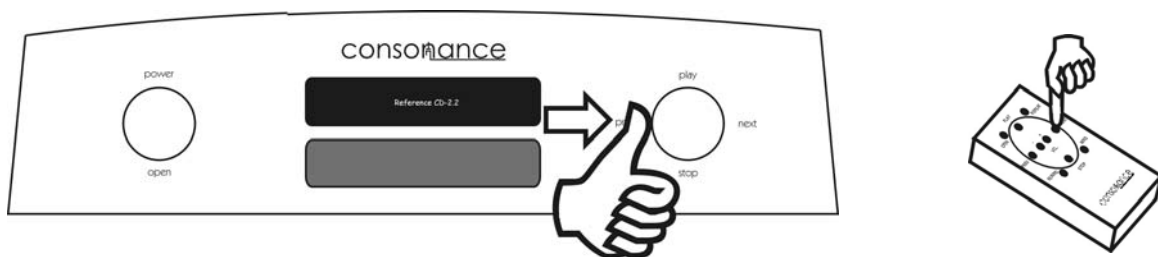
### Stop

Pushing down the **top** of the knob on the right hand side of the front panel using a finger makes the player stop playing the CD.



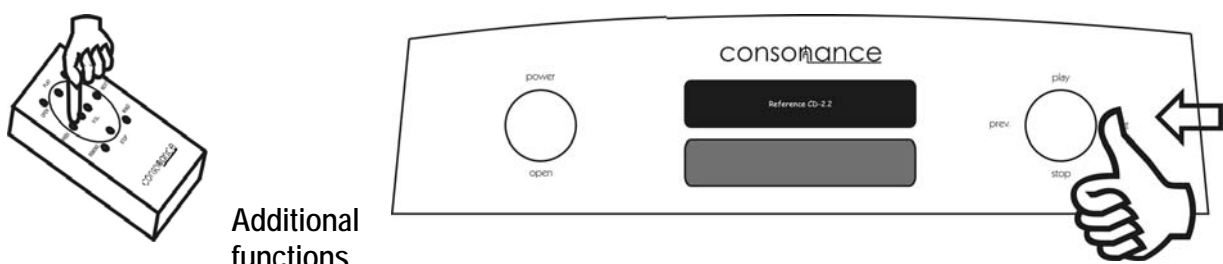
### Next track

Pushing rightward the **middle left** knob on the right hand side of the front panel makes the player jump to the next track on the CD. For every time this action is done the player will move one track forward. The player will automatically start playing from the beginning of the selected track each time this action is done.



### Previous track

Pushing leftward the **middle right** knob on the right hand side of the front panel using a finger makes the player jump to the beginning of the track that is playing. For every time this action is done the track playing will move one track backwards. The player will automatically start playing from the beginning of the selected track each time this action is done.



Additional functions

## available on the remote control

By using the Consonance Remote control the functions search (**rewind**, **wind**) and **repeat** can be selected.

### Wind

Searching fast forward is selected by holding down the **wind** button on the remote control. The search speed will start slow and will increase to high after some seconds.



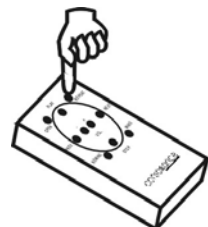
### Rewind

Searching fast backwards is selected by holding down the **rewind** button on the remote control. The search speed will start slow and will increase to high after some seconds.



### Repeat CD

To repeat the complete CD, press the **repeat** button once. "REPEAT ALL" will be displayed in the display.



### Repeat track

To repeat the track playing, press the **repeat** button twice. "REPEAT 1" will be displayed for two seconds in the display.

### Cancel repeat

To cancel repeat, press the **repeat** button third. "REPEAT OFF" will be displayed in the display.

### Volume+

Let output level up is selected by holding down the **Volume+** button on the remote control.



### Volume-

Let output level down is selected by holding down the **Volume-** button on the remote control.



## Back panel of CD-player from left to right the connectors are :

AC Power connection 240V / 230V / 220V / 115V / 100V AC dependent on country.

Digital output Phono/RCA

Unbalanced vacuum tube outputs Phono/RCA right/left

Balanced signal outputs XLR right/left

We recommend to connect signal cables to the CD-player when the CD-player and all the other units of the audio system is switched off.

The CD-player has two types of analog audio outputs: unbalanced (vacuum tube) audio signal with RCA plugs (phono plugs) and true balanced audio signal with XLR plugs (pin 2 is positive phase, pin 3 is negative phase and pin 1 is chassis earth).

The CD-player has got one RCA standard SPDIF digital audio output. Digital signal level is 0.5Vpp when terminated in 75 ohm load. This is the standard load impedance of external DAC's and other recording equipment.

## CONSONANCE REMOTE CONTROL

The Consonance Reference CD-2.2MK II can be controlled by remote control. Like other Hi-End products, the number of buttons on the remote is kept to a minimum. The remote control uses two 1.5-volt LR03 AAA batteries.

## USE & PLACEMENT

The Consonance Reference CD-2.2MK II should be placed on a flat, hard surface for proper isolation against vibrations. The CD-player performs best after being switched on for about 30 minutes for heating up. A certain space is required for air circulation above and below the CD-player. The CD-player must never be placed on a carpet or similar surface that obstructs air circulation through the component. Nor must it be covered while in use or placed on a narrow shelf or in another confined space.

## CLEANING

The top cover are made of cherry wood, while the front panel, side panels are made of brushed / blasted and anodized aluminum. Fingerprints or stains on the front panel, knobs or top cover can be removed with a cloth moistened with warm water.

We wish you good luck in setting up and connecting your new CD-player and hope that it will give you many years of joyful natural sounding music experiences!

## TECHNICAL SPECIFICATIONS

### Consonance Reference CD-2.2MK II High End CD-player

#### Specifications:

DAC resolution	24bit 192KHz multilevel sigma-delta with synchronous upsampling
Clock Jitter	Less than 14ps directly distributed to DAC
0dBFS signal output	2.3V RMS (RCA), 4.6V (XLR)
Output Terminals	Gold plated Tube RCA unbalanced and gold plated XLR balanced
Frequency response	Less than +/- 0.1 dB deviation 20Hz-20kHz
Phase response	Less than 2 degrees deviation 20Hz-20kHz

Signal-to-noise ratio	More than 110dB (XLR output)
Signal-to-noise ratio	More than 100dB (Vacuum tube RCA output)
Crosstalk	Less than -100dB
Distortion (XLR)	Less than 0.0025%
Distortion (RCA)	Less than 0.03%
Intermodulation	Less than 0.002% (19kHz + 20kHz)
Remote Control	Philips RC-5 compatible IR system 36kHz modulation frequency
Vacuum tube	Sovtek 6H30 x1
Dimensions / Weight	12cm x 43cm x 33cm (HxWxD) / 16kg(wood top panel)
Dimensions / Weight	12cm x 43cm x 33cm (HxWxD) / 18kg(Metal top panel)

## NOTE & WARNING

Consonance products should only be opened and / or serviced by certified Consonance technicians. The device contains electronic components that can cause severe electric shock. Work performed on Consonance products by unqualified personnel can cause serious damage and personal injury.

Opening of the product by non-authorized personnel will void the guarantee.

The products must not be exposed to rain or moisture.

## GUARANTEE

All Consonance products come with a 1-year guarantee against defective materials and workmanship.

Vacuum tube guarantee 90 days generally.

In case you should need assistance with your Consonance product please find your nearest dealer or distributor by looking at our web page: <http://www.operaudio.com>

In case you have problems locating your dealer or distributor please e-mail to [support@opera-consonance.com](mailto:support@opera-consonance.com)

## Warranty

Opera audio guarantees each product manufactured by us to be free from defects in materials and workmanship under normal use. Our obligation under this warranty is limited to making good at our factory any part or parts thereof which shall, within 1 year after delivery to the original purchaser, be returned to us with transportation charges prepaid, and which an examination shall disclose to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part. This warranty shall not apply to any Opera audio product which shall have been repaired or altered outside of our factory in any way so as to affect its stability, nor which has been subject to misuse, negligence or accident. Warranties of the vacuum tubes are by the respective manufacturers, usually 90 days.

Please mail or e-mail the Registration Card to the address as follow:

The Opera Audio Co., Ltd.

No.2 JiuXianQiaoLu  
ChaoYang District  
Beijing, China  
Post Code: 100015  
Tel: 86 10 64377091  
Fax: 86 10 64377465

[support@opera-  
www.operaudio.com](mailto:support@opera-<br/>www.operaudio.com)



[consonance.com](http://consonance.com)

## Registration Card

Name
Address
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Email
Telephone
Model
Serial Number
Purchase Date
Dealer