Opus 21
Compact Disc Player
Owner's Manual

resolution

From all of us at Resolution Audio, thank you for choosing the Opus 21 CD player. We went to great lengths to design and produce a compact disc player that offers musical pleasure and superior performance.

Unpacking

After unpacking your Opus 21 CD player, inspect it for any shipping damage and contact us immediately if any is found. Do not plug the power supply into any outlet if you find any shipping damage.

Please keep all packing materials for future transport of your player. Shipping the Opus 21 in anything other than its original crate may result in damage that is not covered by warranty. If you require a replacement crate or packing materials, please contact Resolution Audio.

Should you need to repack the player, be certain to place the power centre on the bottom, the player in the middle, and the accessory box on top, with foam sheets beneath each piece.

The accessory box contains the following items:
- AC power cord
- Remote control
- (2) AAA batteries
- OpusLink interconnect cable

To install the batteries in the remote control, open the cover on the back of the remote. Insert the batteries in the orientation shown in the compartment, and replace the cover.

Installation

Locate the Opus 21 CD player and Power Centre on your shelf.
While the cd player can be stacked directly above or below the power centre, we recommend that separate shelves be used for optimum performance. Alternatively, the components may be placed side-by-side on a single shelf.

Turn off any associated components prior to connecting the Opus 21.
This minimizes the chance of momentary electrical surges disturbing your system.

Connect the OpusLink interconnect to both the CD player and Power Centre.
Note that the cable can only be installed in one direction. Be sure to secure the connectors by hand-tightening the integral screws.

With the power switch in the OFF position, attach the power cord and connect it to your outlet.
The OFF position is selected when the O symbol on the switch is depressed.

Connect the analog outputs of the Opus 21 to your preamplifier or amplifier.
This Opus 21 is designed to connect to any preamplifier or amplifier directly using RCA or XLR interconnects.
The DIN output is for connection to certain European preamplifiers only.

Turn on the main power switch.
The ON position is selected when the | symbol on the switch is depressed. The Opus 21 will take a few seconds
to initialize and read the disc if present. The Opus 21 initially sets the volume to a low level (50).

Turn on the rest of your system.
It is a good habit to turn the amplifier on last, and off first, to prevent surges and transients from reaching
your loudspeakers. While the Opus 21 does produce an audible "thump" when turned off, it will not cause
harm to your speakers even at high volume levels.

Insert a disc and press PLAY, or select the external input via the remote.
Adjust the volume. If you are using a preamplifier, we recommend setting the level at or near maximum (99).
The volume setting can also be used to match the level of the Opus 21 to other source components, in
order to minimize the difference when switching sources.

The Opus 21 is designed to remain powered continuously. In standby mode, the display is turned off and
the output is muted, but all of the circuitry remains powered. This keeps the player sounding its best.
If you do not intend to use the player for an extended period of time, the power may be removed via the
power switch in the rear. When power is reapplied, the Opus 21 will warm up and sound its best in about 1 hour.

Using the digital input

The Opus 21 provides an external digital input, which allows it to be used as an outboard d/a converter.
If you are using a DVD player, we strongly recommend connecting the digital output to the Opus 21. This
allows you to play movies and high-resolution DVD music through the Opus 21's superior circuitry. Be sure
to configure your DVD player for PCM output only, as the Opus 21 will not decode AC-3 or DTS multichannel
audio streams.

Safety Precautions

CAUTION

RISK OF ELECTRICAL SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT REMOVE COVER.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with an arrowhead symbol, within an equilateral triangle, is inteneded to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

- Check that the operating voltage of your unit is identical to that of your local power supply.

- Replace fuses only with identically rated fuses.

- To reduce risk of electrical shock, keep the unit dry and grounded. Do not operate the unit near water.

- If the unit causes RF interference with another product, move one unit or both until the interference is eliminated. If the interference cannot be sufficiently reduced, cease operation and consult Resolution Audio.

- Clean the chassis, faceplate, and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine.

- Do not discard the original box and packing materials. When shipping the unit to another location or for repair work, repack in original material.

- Do not attempt to service this product. All servicing should be referred to qualified service personnel.

- Do not install the unit in a location near heat sources such as radiators or heat ducts, or in a place subject to mechanical vibration or shock.

Warranty

Resolution Audio warrants all products against faulty workmanship or defective materials for a period of three (3) years from date of shipment, with the exception of transport mechanisms. Transport mechanisms are covered for one (1) year. If a defect occurs within this period, Resolution Audio will repair, replace, or issue a credit for the product at our discretion. Prior to return, authorization is required. All merchandise must be returned in the original packing material with all accessories. If a product is recalled and it is not returned within 90 days, the warranty is void. This warranty is not transferrable. Resolution Audio assumes no responsibility for defects resulting from misuse, neglect, improper installation, unauthorized repair, alteration, inadequate packing, or accident. No other obligations expressed or implied shall be assumed by Resolution Audio.

Warranty Registration

SAVE YOUR SALES SLIP AND REGISTER AT WWW.RESOLUTIONAUDIO.COM

- You must be able to show evidence of purchase date to obtain warranty parts and service

- Warranty registration of your unit ensures that you will be contacted immediately if there should be a safety inspection, modification, or other product recall under applicable laws or regulations or otherwise. If you did not purchase directly from Resolution Audio, please visit www.resolutionaudio.com to register your player.

Model: Opus 21 CD Player

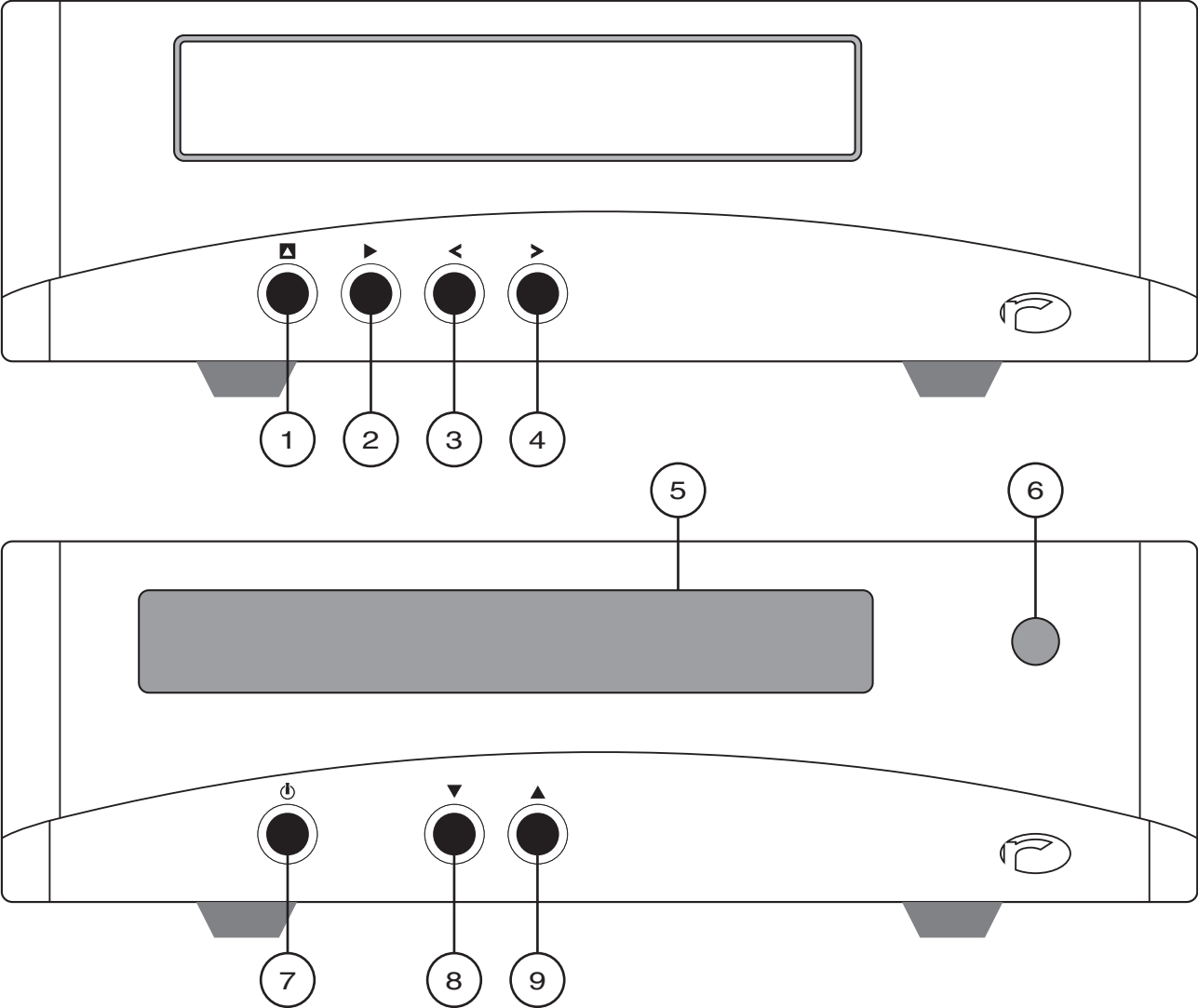Serial Number: _____

Model: Opus 21 Power Centre

Serial Number: _____

Purchase Date: _____

Purchased From: _____

                    _____

Front Panel and Controls

1 ◣ STOP / DRAWER
Pressing this button once in play mode will stop playback.
In stop mode, this button opens and closes the cd drawer.

2 ▶ PLAY / PAUSE
Pressing this button initiates playback.
In play mode, this button will toggle between play and pause.

3 ◀ TRACK BACKWARD
Pressing this button successively backs up one track with each press.
Holding this button will rapidly back through tracks.

4 ▶ TRACK FORWARD
Pressing this button successively advances one track with each press.
Holding this button will rapidly advance through tracks.

5 DISPLAY
Indicates status, track, and time. Volume level is displayed in the two rightmost digits.

6 INFRARED REMOTE CONTROL SENSOR
Maintain a clear path to ensure reliable remote control operation.

7 ⏻ STANDBY
This button toggles the player between normal operation and standby. In standby mode,
the display is turned off and the output is muted. Volume control settings are retained.

8 ▼ VOLUME DOWN
Pressing this button momentarily reduces the volume level by one step.
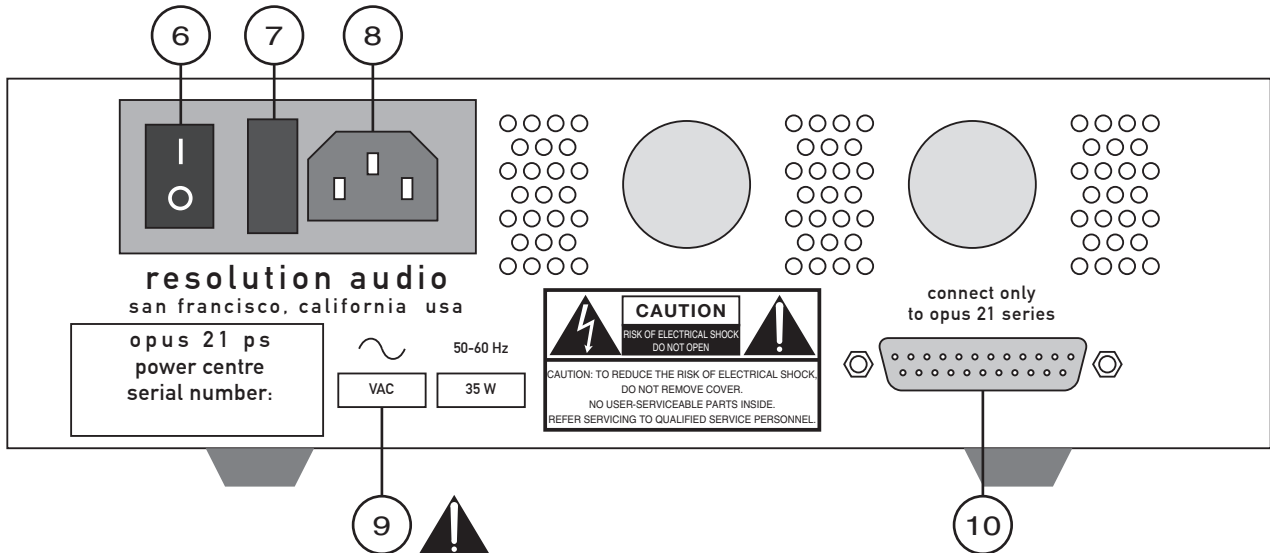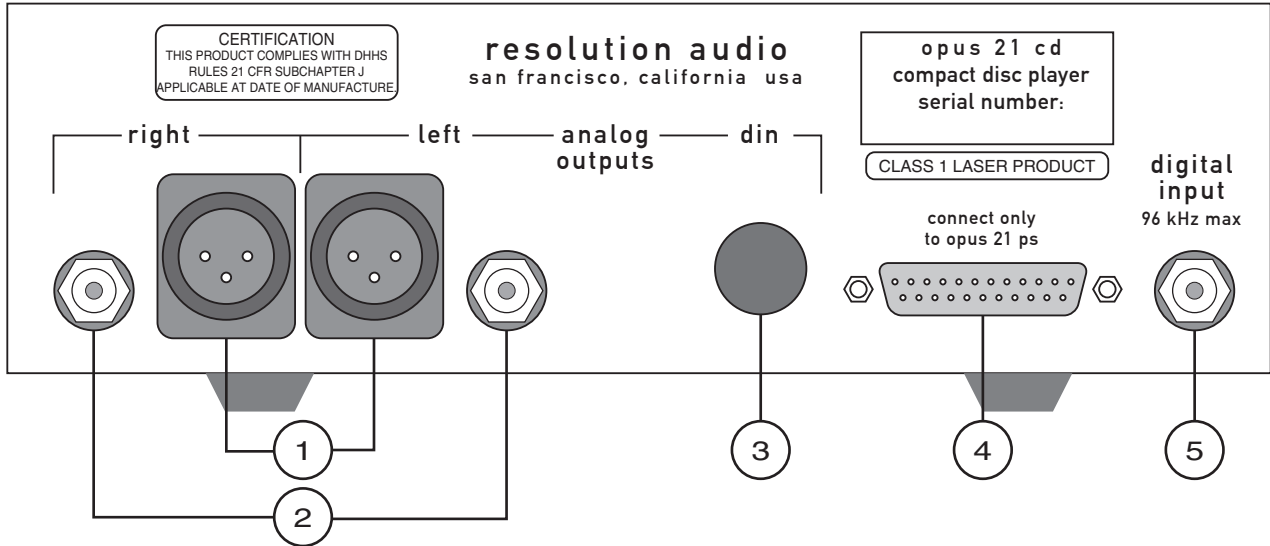Holding this button will rapidly reduce the volume setting.

9 ▲ VOLUME UP
Pressing this button momentarily increases the volume level by one step.
Holding this button will rapidly raise the volume setting.

Rear Panel and Connections

CERTIFICATION
THIS PRODUCT COMPLIES WITH DHHS
RULES 21 CFR SUBCHAPTER J
APPLICABLE AT DATE OF MANUFACTURE.

resolution audio
san francisco, california usa

opus 21 cd
compact disc player
serial number:

CLASS 1 LASER PRODUCT

**digital
input**
96 kHz max

right ———— **left** ——— **analog** ——— **din**
outputs

connect only
to opus 21 ps

① ② ③ ④ ⑤

⑥ ⑦ ⑧

resolution audio
san francisco, california usa

opus 21 ps
power centre
serial number:

〜 50-60 Hz

VAC 35 W

⚡ **CAUTION** ⚠
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DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT REMOVE COVER.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

connect only
to opus 21 series

⑨ ⚠

⑩

1   Balanced Analog Output, variable - XLR connector
5.5Vrms maximum, 100 Ohm impedance
Connect to preamplifier or directly to amplifier

2   Single-ended Analog Output, variable - RCA connector
2.5Vrms maximum, 100 Ohm impedance
Connect to preamplifier or directly to amplifier

3   Single-ended Analog Output, fixed - DIN connector
2.5Vrms maximum, 100 Ohm impedance
Connect to specially equipped European preamplifier

4   OpusLink connection - DB25 male
Connect only to Opus 21 Power Centre using supplied cable

5   S/PDIF Digital Input - RCA coaxial 75 Ohms
32 - 96 kHz / 16 - 24 bit
Connect to DVD player or other digital source

6   Main Power Switch
When off, power is completely disconnected from the player

7   Fuse - Replace only with time-lag fuse, IEC 60127 Type 3
Rating: 100-120 VAC use 1.6 A
          200-240 VAC use 800 mA

8   Mains power
Connect to mains using IEC power cord

9   ⚠ Voltage Indication - Be certain the Opus 21 has been configured for your
local line voltage. Attempting to operate the Opus 21 at any other voltage
may cause damage not covered by warranty.

10   OpusLink connection - DB25 female
Connect only to Opus 21 Compact Disc Player using supplied cable

Remote Control

The Opus 21 remote control contains buttons for all of the controls on the front panels, plus the following:

Scan
◄◄ ►►

Pressing and holding these buttons will perform a fast forward or backward scan during playback. The program will be audible at a reduced level in play mode, and silent in pause mode.

Repeat
↻

Pressing this button once enters disc repeat mode. A second press enters track repeat mode. A third press, or ejecting the disc, exits repeat mode. Repeat is indicated on the display by the following symbols:

Disc repeat ↻   Track repeat ↻

Input
→

Pressing this button selects the external digital input. The display will indicate the lock status. To return to the cd mode, either press this button again or press play with a disc loaded.

Mute
⊘

Pressing this button engages the muting function without affecting the transport or volume setting. A second press restores the output to its current volume setting. When mute is on, the volume level indication flashes.
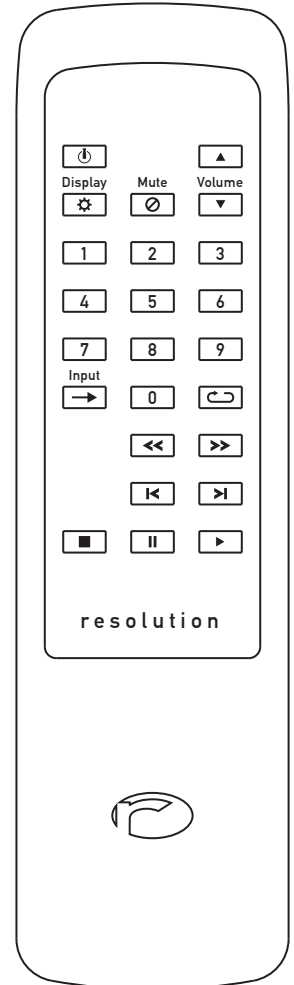
Display
☼

This button controls the intensity of the display. Upon power-up, the display begins in its brightest state. Subsequent presses of this button cycle through four levels:

Bright, Medium, Dim, and Off

In the Off mode, pressing any key will "wake-up" the display momentarily at medium intensity. If the disc is playing, pressing play on the remote will wake the display without affecting playback.

0, 1, .. 9

These buttons are used to directly access a cd track. For example, to go directly to track 25, press 2 followed by 5. For track 2, either press 0 followed by 2, or press 2 and wait a moment.

⏻		▲
Display	Mute	Volume
☼	⊘	▼
1	2	3
4	5	6
7	8	9
Input		
→	0	↻
◄◄	►►	
⏮	⏭	
■	❙❙	►

r e s o l u t i o n

Setup Mode

The Opus 21 offers customization features accessible in the SETUP mode. For example, if the Opus 21 will always be used with a pre-amplifier, the initial volume setting can be set to 99. To access this mode, place the Opus 21 in standby (via remote control or front panel) and then press the REPEAT button on the remote. Successive presses of the PLAY button will display the setup options as well as displaying the firmware revisions present in each product.   The custom settings selected in setup will be remembered when power is disconnected. To exit setup mode, press the REPEAT button. The Opus 21 will re-enter standby mode.

Specifications

Dimensions	24 x 25 x 7.5 cm / 9.5 x 9.8 x 3" W x D x H (each component)
Weight	12.3 kgs / 27 lbs. shipping
Power requirements	Preconfigured at factory
	100-120 / 200-240 VAC, 50-60 Hz
Power consumption	35 Watts maximum
Input	(1) Digital S/DPIF input, coaxial via RCA, 75 Ohm, 96 kHz / 24-bit
Outputs	(1 pair) Analog balanced via XLR, variable
	(1 pair) Analog single-ended via RCA, variable
	(1) Analog single-ended via DIN, fixed
Output voltage	5.0 Vrms balanced, 2.5 Vrms single-ended
Output impedance	100 Ohms
Analog attenuation	0.5 dB steps from -30 dB to full scale
	1.0 dB steps from -69 dB to -31dB