


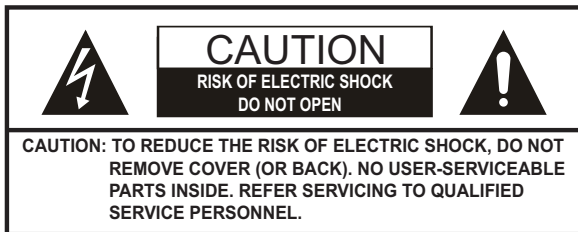
peachtree audio




nova.¹²⁵

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions – All the safety and operating instructions should be read before this product is operated.
- 2) Keep these instructions – The safety and operating instructions should be retained for future reference.
- 3) Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12)  Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time. Refer all servicing to qualified personnel. Servicing is required when the apparatus has
- 14) been damaged in any way such as the power cord or plug is damaged. Other damage may occur if liquid or objects have been dropped or spilled into the apparatus. Dropping the apparatus, exposure to rain, and excessive moisture may cause additional damage. Please keep the unit in a good ventilation environment.
- 15) CAUTION: These servicing instructions are for use by qualified service personnel
- 16) only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus
- 17) to rain or moisture. The apparatus shall not be exposed to dripping or splashing and objects filled with liquids, such as vases, shall not be placed on apparatus.
WARNING: The mains plug/appliance coupler is used as disconnect device, the
- 18) disconnect device shall remain readily operable.



- 19) - The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- **WARNING:** To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
 - The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.
- 20) No naked flame sources, such as lighted candles, should be placed on the apparatus.
- 21) Batteries are included for the remote control. Do not expose these batteries to direct sunlight or excessive heat such as a fire. Care should be taken in the act of battery disposal as they include toxic materials that may harm the environment. Please refer to your local recycling and hazardous waste center for advise with battery disposal.
- 22) **WARNING:** The terminals marked with symbol of “+/- ” may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made insulated leads or cords.
- 23)  Correct disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

Unpacking and Warranty

- 1) Keep all packing materials for future shipments. (service)
- 2) Keep a record of your bill of sale and a copy of the serial number for warranty and insurance purposes.
- 3) You may register your unit on our website: www.peachtreeaudio.com.

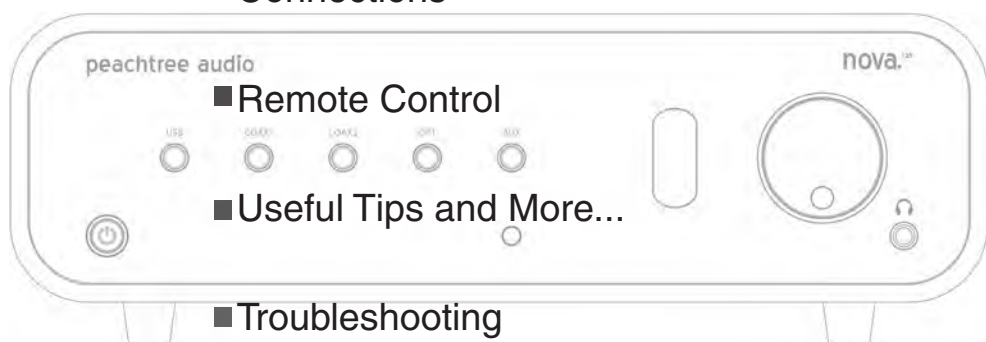
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■ Introduction

■ Back Panel

■ Front Panel

■ Connections



■ Product Guarantee and Service

■ Technical Specifications

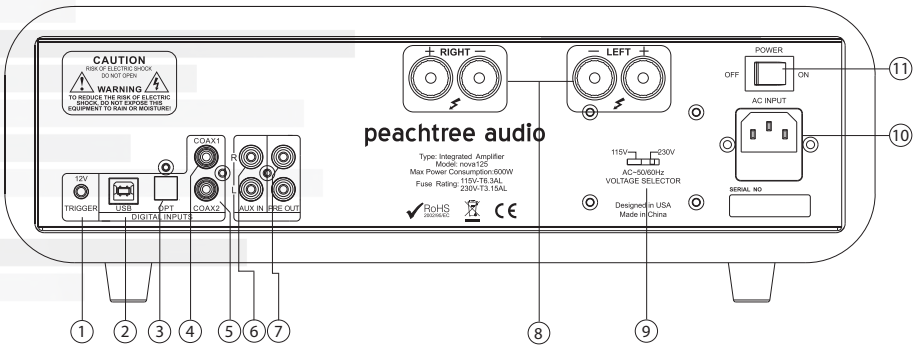
Thank you for purchasing the Peachtree Audio nova125!

At Peachtree Audio we design products that provide a magical musical experience. When you connect the digital output from a Sonos player, a Squeezebox, an Apple TV or Apple Airport Express you'll get the full benefit of the quality built into these products. And when you connect your computer to the nova125's digital USB input - we think you're going to love what you hear from your music library from compressed music files to high resolution! The icing on the cake is the nova125's ability to process 24/192Khz streams through the USB input. In addition you can stream 24/192Khz through the SPDIF inputs. The flexibility and performance of the nova125 make it a must-have in your high end digital music system. The nova125 combines a high quality, high resolution DAC, a terrific 125 watts per channel amplifier, and a state-of-the-art hybrid tube preamp and headphone amp. Both analog and digital sources will sound exceptional.

This manual is a guide to the functions of your nova125. It shows you how to connect both digital and analog sources, and offers tips on getting the best performance. The ability to mate with virtually any digital source, while providing superior sound makes the nova125 a special product. It's one we're proud to offer. We sincerely hope the nova125 provides you with years of enjoyable music listening. Visit our website at www.peachtreeaudio.com for tips on getting the best sound from the music stored on your computer, and from all your digital sources. Contact your dealer or us directly if you have questions. Also, now is a good time to go to our website to register your nova125 purchase.

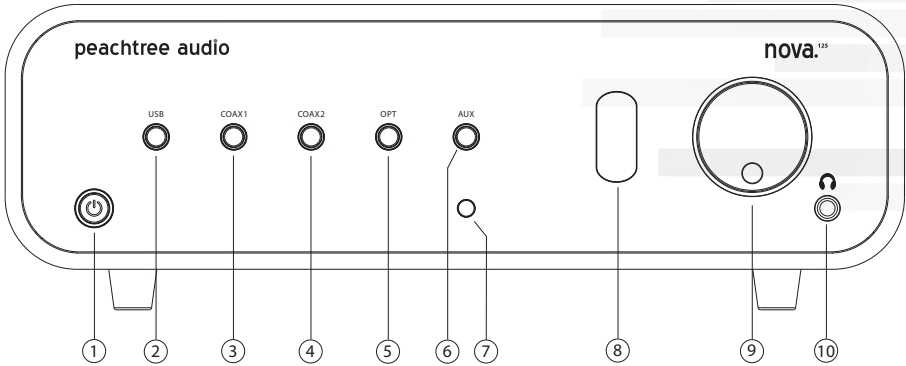
Thanks again - and Happy Listening!

The Folks at Peachtree Audio



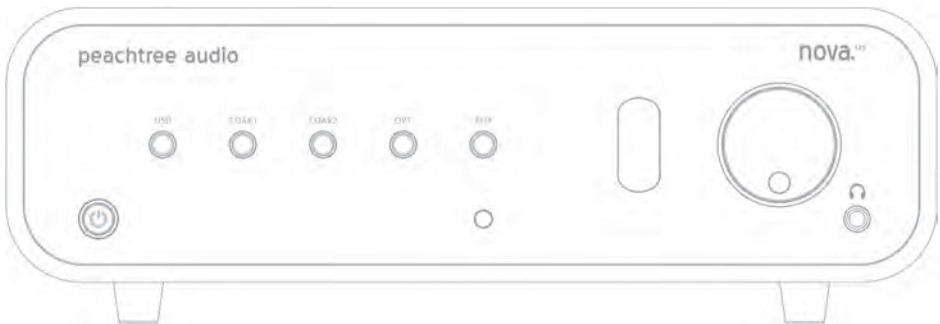
- 1) **12V Trigger:** Enables power on/off control of another product with a 12V trigger input.
- 2) **USB Digital Input:** The USB connection takes digital audio content off your computer and sends it to the internal DAC.
- 3) **Optical Digital Input 1:** Toslink and fiber optic cable connections are common on some CD players, cable boxes, Apple products, and other digital audio sources.
- 4) **Coaxial Digital Input 1:** Coaxial digital connections are common on some CD players, cable boxes, Sonos modules, the Slim Devices Squeezebox, and a host of other digital audio sources. Be sure to use a proper digital audio cable for this purpose.
- 5) **Coaxial Digital Input 2:** Coaxial digital connections are common on some CD players, cable boxes, Sonos modules, the Slim Devices Squeezebox, and a host of other digital audio sources. Be sure to use a proper digital audio cable for this purpose.
- 6) **Aux Analog Input:** Line level input that is suitable for iPods, CD players, Tuners, etc.
- 7) **Pre Out 1:** Variable output stage to connect to a power amplifier or subwoofer.
- 8) **Speaker Terminals:** Marked + for positive and – for negative.
- 9) **Voltage Switching:** For international use. Unplug the nova125 before you make the switch and be sure to use the proper fuse for the voltage chosen. ****WARNING**** Improper voltage setting may cause damage to the nova125.
- 10) **AC Power Cord Attachment & Fuse:** The three prong power cord is included in the nova125 box. The fuse is user replaceable after turning the nova125 off. You may call your dealer or Peachtree Audio's service department with any questions regarding fuse replacement. ****WARNING**** using the wrong value fuse may cause damage to the nova125.
- 11) **Power On/Off switch**

The selector buttons on the Front Panel are very straightforward but we have included additional information for your benefit.



- 1) **Standby Switch:** After turning the nova125 on from the back panel (#11 Power On/Off switch) you can use this button to switch between “on” which displays a blue light and “standby” which displays a green light. This function can also be controlled by your wireless remote.
- 2) **USB Digital Input:** The USB connection takes digital audio content off your computer and sends it to the internal DAC via I2S configuration.
- 3) **Coaxial Digital Input 1:** Coaxial digital connections are common on some CD players, cable boxes, Sonos modules, the Slim Devices Squeezebox, and a host of other digital audio sources. Be sure to use a proper digital audio cable for this purpose.
- 4) **Coaxial Digital Input 2:** Coaxial digital connections are common on some CD players, cable boxes, Sonos modules, the Slim Devices Squeezebox, and a host of other digital audio sources. Be sure to use a proper digital audio cable for this purpose.
- 5) **Optical Digital Input 1:** Toslink and fiber optic cable connections are common on some CD players, cable boxes, Apple products, and other digital audio sources.
- 6) **Aux Analog Input:** Line level input that is suitable for iPods, CD players, Tuners, etc.
- 7) **IR Receiver Port:** Please aim your remote control at this port for best results. It passes the infrared commands to the nova125 control software.
- 8) **Tube Window:** The tube window is really just for show, but we couldn’t resist. There’s something about the warm glow of a tube and the kind of sound it produces.
- 9) **Volume Control:** The volume control is motorized from your remote control and has a button indicator to allow the user to see levels from a distance.
- 10) **Headphone Jack:** Plug-in activates mute on the nova125. Please see specifications for compatibility.

- **Coaxial Digital Input:** For connecting the coaxial output from any digital source, using a coaxial digital cable. Push the “COAX” input button on the front of the nova125 to listen.
- **Optical Digital Input (sometimes called Toslink):** For connecting the optical output from any digital source, using an optical digital cable. Push the “OPT” input button on the front of the nova125 to listen.
- **USB Digital Input:** For connecting the USB output from a computer (or other source component which can output audio via USB) using a USB cable. Push the “USB” input button on the front of the nova125 to listen.
- **Aux Inputs:** For connecting analog inputs (CD player, Tuner, Phono preamp) using RCA interconnects for unbalanced terminals and XLR interconnects for balanced terminals. Aux input buttons are on the front panel, so push the one that corresponds to the Aux input you’re using on the back panel.
- **Preamp Output:** For connecting the variable preamp output of the nova125 to an amplifier. The left and right cables should connect to the left and right inputs of the power amp.
- **Speaker Output:** For connecting your speakers to the nova125 with speaker wire. Note that the left and right speaker positive (+) and negative (-) terminals on the nova125 should be connected to the positive and negative terminals of the left and right speakers.



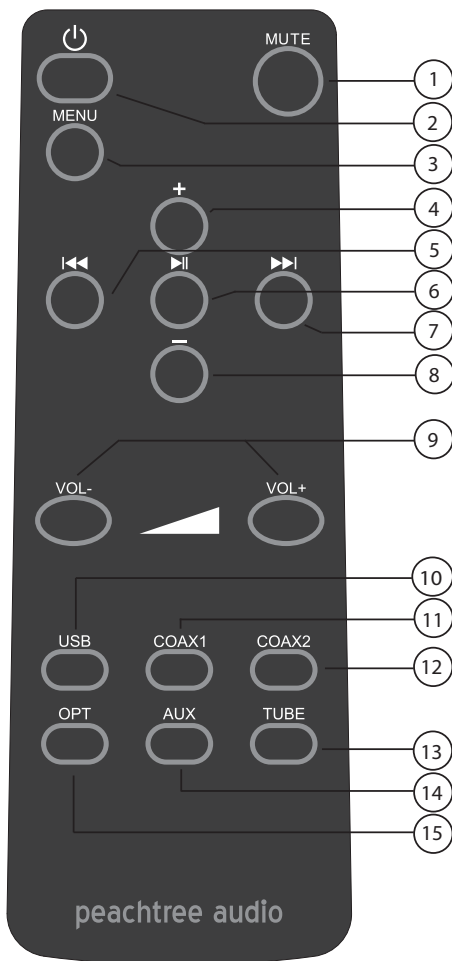
- 1) **Mute:** This button will mute the nova125.
- 2) **On/Standby:**

Buttons 3-8 are controls for future iPod products from Peachtree Audio.

- 3) **Menu:** This button currently serves no function but may have an application at a later date.
- 4) **+**: This button currently serves no function but may have an application at a later date.
- 5) **Skip back:** This button skips back to the beginning of a music or video selection except when the track has played for less than 10 seconds. Then it will skip back to the beginning of the previous track.
- 6) **Play/Pause:** This button will start (“Play”) or stop (“Pause”) your music or video selection. They operate in sequence. After activating “Play” the next push of the button activates “Pause.”
- 7) **Skip Forward:** This button skips ahead to the next music or video selection.
- 8) **-**: This button currently serves no function but may have an application at a later date.

Buttons 9-15 are for control of the nova125.

- 9) **Volume -/Volume +:** These buttons reduce and increase volume level.
- 10) **USB:** This button selects a digital audio source at the USB connection.
- 11) **Coax 1:** This button selects a digital audio source at the Coaxial digital connection.
- 12) **Coax 2:** This button selects a digital audio source at the Coaxial digital connection.
- 13) **Tube:** This button allows the user to choose either solid state or tube-hybrid operation of the nova125’s preamp stage. The blue LED will turn on when the tube is activated.
- 14) **Aux:** This button selects an analog audio source at the Aux connection.
- 15) **Opt:** Optical digital input for digital audio sources with optical digital outputs, like cable boxes and Apple TV’s. Sometimes called Toslink.



At Peachtree Audio we think products should be easy to use, but you need to know a few things before setup. The nova125's USB digital input accepts music files from your computer's hard drive and plays them back with superb fidelity. See instructions below. Some minor changes may occur with Windows or Apple OS updates, but the basics are usually the same.

USB Connections

PC

- 1) Connect the USB terminal on the nova125 to a USB connection on your computer.
- 2) Your computer will "see" the USB Audio DAC inside the nova125. You might get a pop-up box noting a new USB connection.
- 3) Right click the speaker icon on the bottom of your screen.
- 4) Select "Audio" tab.
- 5) Using the drop-down box choose the Peachtree USB Dac.
- 6) Click OK.
- 7) You will need to install a simple USB driver download for high res playback using Windows. This can be found on our website, listed by model, at <http://www.peachtreeaudio.com/support/usb-drivers.html>.

Launch Music Program and play.

Mac

- 1) Open System Preferences.
- 2) Click on Sound.
- 3) In the output tab you should see Peachtree USB Audio Dac (or similar) as one of the choices.
- 4) Select it.

Launch iTunes and enjoy your music.

Once you set up your computer following the above instructions it should recognize the nova125's USB Audio DAC and default to it. If you unplug the USB connection you may have to repeat some steps; this is not unusual.

Other useful tips...

For the best sound when listening to music from your computer, set your computer and music program volume controls to maximum and use the nova125 volume knob or remote control as the master volume control.

For critical listening to music from your computer, avoid keeping multiple programs open. It can compromise the sound quality and even cause signal dropouts.

Give the nova125 adequate ventilation as it may get warm.

We'll post articles and other helpful tips on getting the best sound from your computer's music files, your iPod, and your other digital music sources. Visit us at our website:

www.peachtreeaudio.com



Interested in the Green Movement?

The nova125 meets the European RoHS standards for non-hazardous metals.

The nova125 utilizes a standby transformer that draws less than one watt of power.

We will continue to investigate more ways of making our products environmentally friendly. Feel free to email us with your suggestions:

info@peachtreeaudio.com

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<p>The nova125 will not turn on.</p>	<p>Check to be sure that both the power switch on the back panel and the standby switch on the front panel are on. The front panel light should be blue. It is green when in standby.</p>
<p>The nova125 turns on but there is no sound.</p>	<p>Be sure your system is not muted and that the nova125 has been selected. Be sure your digital source is on and playing. Be sure the nova125's standby button is glowing blue and that your desired input is glowing blue. If the input button is blinking the nova125 is in "mute" mode. Press the mute button on the remote to un-mute the nova125. Check to be sure your digital cable is properly connected.</p>
<p>The remote control doesn't work.</p>	<p>Please check the batteries by removing the cover on the back of the remote. It is an infrared remote so it needs a clear line of sight to the sensor on the front panel of the nova125. Check that no light sources, like lamps, are interfering with the infrared remote signal.</p>
<p>You intermittently lose your signal on the USB input.</p>	<p>First, try relaunching your music server program (iTunes, WMP, etc.). If your computer still doesn't recognize the USB DAC unplug the USB cable from the computer and the nova125, wait a few seconds, then reconnect. These are computer hookups, and sometimes you'll lose a signal just as with your printer or other USB device. You should not have this problem often. We designed the nova125 to remain locked on the USB signal at all times, but signal dropouts are still possible.</p>
<p>You pick up hum and noise on your nova125 from the computer.</p>	<p>This can require some trial and error diagnostics. If you have music files available on a laptop computer connect it (while on battery power) to the nova125. If it works properly, with no noise, then the computer is introducing a ground loop into the system. This is not uncommon. However, the nova125's digital inputs are transformer-coupled to minimize this problem. If a problem persists, please feel free to contact Peachtree Audio.</p>
<p>When you switch from one source to another you get a loud "click" or "pop."</p>	<p>Sometimes this is from static buildup but it should not occur consistently over a long period of time. Contact your dealer or Peachtree Audio if this persists.</p>
<p>The amplifier shuts down but the lights are still on.</p>	<p>The amplifier in the nova125 will shut down if it experiences an unusually large power surge or overheats due to a short, or very loud volumes over a long period of time. This is a protection circuit. Turn down the volume. The amplifier should come back on after a while.</p>
<p>You get dropouts on your USB input.</p>	<p>Over 90% of the time this is due to a software malfunction on your computer. Shut down all music server programs and check to be sure that the Peachtree DAC is chosen as the digital output device by your computer. If you have trouble finding it, then unplug the USB from the nova125 and plug it back in 5 seconds later. It almost always shows up after that. Then re-launch your music server program(s) and select a song.</p>

International Guarantee and Claims Under Warranty

International Guarantee

The nova125 has a two year Parts and Labor guarantee from the time of purchase. The tubes (valves) have a 6 month guarantee. Units that are covered under this guarantee include nova125's purchased from an authorized nova125 distributor or dealer.

Peachtree Audio can take no responsibility for defects arising from accident, misuse, abuse, wear and tear, neglect or through unauthorized adjustment and/or repair. The warranty does not cover shipping costs. Visit www.peachtreeaudio.com for a copy of the complete warranty.

Claims Under Warranty

The unit should be packed in its original packing and returned to the dealer from whom it was purchased, or if unavailable, directly to the nova125 distributor.

You should use a suitable carrier. **Do not send by Postal Service.** Peachtree Audio cannot accept responsibility for the nova125 while in transit to the dealer, distributor, or service facility. Please insure your unit against loss or damage while in transit.

In the unlikely event that you experience a failure with your nova125, please call for a return authorization number before returning products for service. Any nova125 received without an RA # will be refused. You may also wish to route your repair through your dealer, which we encourage.

Call 704-391-9337 for a return authorization number and additional information on where and how to return your unit for service.

Main office (not service):

Peachtree Audio
2045 120th Avenue NE
Bellevue, WA 98005

www.peachtreeaudio.com

- 125 watts per channel < 0.5% distortion into 8Ω
- 220 watts per channel ,0.5% distrortion in to 4Ω
- Stereo Class D Ice amp modules
- Class A output with 6N1P tube in the circuit
- < 50Ω output impedance
- Hybrid tube design using triode (Stereo 6N1P)
- 5V output @ 2.0V input
- Max output: 7V rms / 11.2V peak
- 4 Digital inputs (all transformer coupled)
- 4 Digital inputs (all transformer coupled): 1 USB, 2 Coax, 1 Toslink (optical)
- 1 RCA Analog input
- > 95db SN (system spec)
- Headphone amp: Class A output with 6N1P tube in the circuit
- Suitable for all electro-dynamic headphones
- Frequency response: 20 ~ 50 kHz +/- 0.1dB
- Headphone amp voltage gain: 9dB
- Headphone: Maximum output voltage: 7Vrms
- Headphone: Output impedance: < 30Ω
- Headphone: Maximum output power:
100mW into 8Ω / 300mW into 150Ω / 150mW into 300Ω
- 24/192 ESS 9023 Sabre DAC
- Transformer coupled digital inputs for ground isolation
- 24/192 kHz USB
- Galvanically isolated USB stage
- > 110db S/N
- AC 115v/230v switchable from back panel
- Maximum power consumption: 600W
- Standby power consumption: < 1W
- Dimensions: 111 x 377 x 292 (mm)
4.37 x 14.8 x 11.5 (inches)
- Weight: 7.2 kg
15.89 lbs

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