



[www.grantfidelity.com](http://www.grantfidelity.com)

Ph: 1-888-477-5379

## Grant Fidelity CD-1000 Impression II

Thank you for your purchase of the Grant Fidelity CD-1000 Impression II 6922 Tube CD Player with selectable up-sampling and a dedicated built-in EL-84 headphone amplifier.

The CD-1000 will bring you many years of enjoyment of your CD music collection.

Please use common sense in locating your CD-1000.

### **First Time Use**

Please carefully unpack your CD-1000 and keep all packaging material for later use and storage. Your package includes the CD-1000, the remote control and the standard power cord. The stock 6922EH and EL84 tubes are already installed in the player by manufacturer.

The CD-1000 comes with semi soft rubber isolation feet that will absorb certain amount of vibration and can be placed on a surface without damaging your fine audio furniture.

There is a levelling indicator on top of the CD-1000. When placing the CD-1000 on a surface, please use necessary levelling devices to make sure the surface that your player is situated on is completely levelled. This will ensure the laser pickup in the CD drive to work to design.

You do not need to purchase expensive aftermarket isolation device for the CD-1000, but we do suggest you have audio furniture that at least has some consideration for audio performance. You may check out Grant Fidelity website for audio furniture that we carry.

The supplied 6922EH and EL84 tubes will last around 10,000 hours if operated in normal condition switching on and off a few times a day. There is no need to warm up the CD-1000 for long periods or always on. It will be ready for audiophile listening after 30 minutes of warm-up and sounds fine for background music after the 20 second pre-heat delay on power up.

It is strongly recommended to connect high quality stereo RCA interconnect cables to your playback system. Plug in the supplied power cable to a high quality, designed for audio, spike protected power conditioner. This will ensure a safe operation environment for your audio equipment especially components with vacuum tubes. Aftermarket power cables may improve the performance of your CD-1000

### **Remote Control / Operation**

The Grant Fidelity CD-1000 player is manufactured by Jungson Audio and it comes with a Jungson universal remote control which can operate all Jungson audio equipment if you happen to own other products from the same manufacturer.

To power on the unit, turn the "On/Off" button to "On" position at the rear panel of the player. We suggest you not to use the power standby feature, unless access to the back of the CD-1000 is limited by cabinetry.

To use the remote control to operate the CD-1000, press "CD" button on the top left of the remote control first.

CD-1000 is a high end top loading CD player. After power on the CD player, gently use your finger to open the top cover to its full opening position. Do not use excessive force to push the lid open beyond its maximum position.

Place the disk gently on top the loading space.

The CD-1000 comes with a round black magnetic disk stabilizer (you will find it along with the power cord, manuals and remote inside the package). It is to be placed on top of your CD or the disk will not read and you will hear strange spinning sounds. Do not lose or misplace this 'puck'. When loading disks you can gently place it on the top of CD-1000. When not using the CD-1000, return the puck to its normal operating position.

Once the CD is loaded properly into the player and disk stabilizer (the puck) placed on top of it, gently touch the edge of the top cover, the cover will slowly close by itself. You don't need to push it down with force or at all after the initial touch.

### **Choosing which output to use:**

The CD-1000 comes with multiple choices in outputs:

You can use the coaxial, AES/EBU or optical digital outputs to feed a digital pre-amp or DAC directly from the high quality CD drive transport and laser pick-up, by-passing the analog transistor and tube circuits.

You can use conventional RCA interconnects to use the tube output and get the magic sound of vacuum tubes. If the tube doesn't light up when the unit is on, press "Indic" button at the bottom of your remote control to turn on the tube output, note there is a 20 second mute delay as the circuits are energized.

You can use conventional RCA interconnects to use the unbalanced transistor output which is always on.

You can also use XLR balanced interconnects to use the balanced transistor output. Note that there is no tube balanced output on this player.

Please do not plug or unplug your interconnects or other signal cables while the player is on and playing. This may cause accidental damage to your player.

You certainly can use the headphone output to enjoy the privacy of listening to your music. The CD-1000 comes with a built-in and separated EL84 tube headphone amplifier (located at the left front of the CD player).

When you wish to use the headphone output, turn the headphone volume to lowest first then plug your headphones into the headphone jack at the left side of player. In about 20 seconds, the tube headphone amp will complete warm-up and start to operate, note tht the CD-1000 goes into mute mode during this warm-up as the circuits are energized.

Plugging in a headphone to the CD-1000 will automatically defeat the player's tube output but not the transistor output. If your amplifier is connected to the transistor output at this moment, you will hear music coming from both your headphones and your speakers. Turn your amplifier volume to the lowest or simply turn the amp off, now you can enjoy your headphones for listening to music privately.

When you have finished using headphones and wish to resume using other outputs, stop the music first, turn the headphone volume to minimum then unplug the headphones from the player. This will automatically turn off the headphone amp section of the player, note that there is a 20 second mute delay as the circuits are de-energized.

If you don't wish to unplug your headphones but would like to take a long break from listening, we recommend you to turn off the CD-1000 completely to reserve your headphone amp and related tubes' life. There is no separate ON/OFF switch to the headphone amp section only.

When listening with other outputs instead of the headphone output, if you wish to take a long break or will be out of the house for extended period of time, we also recommend you to at least turn off the tube output section to reserve the tube life. The tube output section uses the CD player chassis as heat sink to dissipate heat – so leaving the tube section on for extended period of time without actually listening to it is a waste of resource in our humble opinion. It is always recommended not to leave a tube audio component on unattended for extended period of time.

There is a standby button on your CD-1000 remote control. When pressing 'Stand-by', your CD-1000 enters sleep mode with LED display off and the unit will not respond to other commands through the remote control or buttons on the top panel. However, if your tube output section was left on, pressing

'stand-by' will not turn it off so the tubes will be left on and burning its life for nothing. Do remember to turn off the tube output by pressing 'Indic' at bottom of your remote first then press 'stand-by'.

If you will be out of your house for extended period of time, we recommend you turn off the CD-1000 by switching off the "ON/OFF" button at the rear panel and removing the unit from it's power source.

### **Defeatable Up-sampling**

The CD-1000 comes with 3 sampling frequencies – 44.1kHz, 96.2kHz and 192kHz. You need to stop or pause the disk that is playing first, then press "mode" on the remote control to adjust the sampling rate. You will notice that on the LED display screen far left, there is an icon showing SR/L, SR/M, or SR/H. 'SR' stands for sampling rate. L, M and H stand for Low (44kHz), Medium(96kHz) and High(192kHz) sampling frequency.

Although the LED display looks very much like a touch screen, it is not. You cannot operate the player by touching those displays. You have to use either the buttons on the top of the player or the remote control.

Note the CD-1000 gives you nine possible combinations in the analog output section for playing back your CD collection if you have balanced inputs on your preamp, six options if you run only unbalanced. You have the three above-mentioned sampling rates. Plus you have three different outputs, RCA tube, RCA transistor and Balanced transistor. Many of us audiophiles do actually mark which combination sounds best for their system or tastes on each CD in their library, do experiment, it is fun and very rewarding for maximizing the enjoyment of your music collection.

### **Tube Rolling**

Of course the big benefit of owning an tube audio component is that you are not limited to the sound as supplied to you. With Solid State CD players you are relying on the designer's idea of great sound and performance. With the CD-1000 you are in

control. There are many options for replacing the stock EH6922 and EL84 tubes from Electro Harmonix. The best place to shop for alternative tubes is online – you will find a vast amount of tube knowledge, opinions and options.

### **How to change tubes in the CD-1000?**

Unlike certain tube audio components that have tubes exposed on the top and allow end users to switch tubes easily, the CD-1000 tube rolling takes a bit work.

First of all, before you attempt to tube roll at all, turn off the CD-1000 by turning off the ON/OFF button at rear panel and unplug the power cord. This will ensure that you will not accidentally touch the ON/OFF button and have the unit powered on while you are working on changing tubes. Leave the unit off for 5 minutes to dissipate energy, prior to entering the unit.

Secondly, find a soft large cushion to put the player upside down with disk loading top at the bottom. You need a soft enough surface to make sure that you will not accidentally damage or scratch the top plate and the disk loading cover.

Use a proper size screw driver to open the section where your desired-to-roll tubes are located. Left side is the tube headphone section, right side is the CD player tube output. Once the bottom is removed, you will see a circuit board mounted with long screws to the chassis. Carefully remove those screws then pull out the circuit board – the tubes are installed onto the circuit board so please handle the board gently.

Now you can remove the installed tubes from the sockets – wear a cotton glove or use a soft tissue to touch and gently unplug the tubes. If the tubes are still hot, wait for a few minutes until they are cooled off before removing them gently. Do not leave finger prints on vacuum tubes as it will shorten the tube life. Store the removed tubes in a safe place – wrap it with soft tissue or put each in a separate box. Do not bounce them to each other – vacuum tubes are delicate and could be damaged by banging to each other.

Using the same procedure – wear a cotton glove or use a soft tissue to install your new tubes. Make sure all pins are aligned properly and install them securely into place. Do not use

excessive force to press down the tubes but do ensure a secure connection to the sockets.

Once you have finished changing tubes, put the circuit board with the new tubes on it back into place and secure all screws in place. Put the bottom cover back on and turn over the CD-1000. Congratulations! Now you are ready for listening to your tube roll!

Note that new and new NOS tubes will require about 100 hours to burn in and sound their best. When evaluating tubes you should warm up the tubes for about half an hour prior to making you sonic comparison. Tubes are fun and quite addicting as you get to control the magic of their sound.

The best way to make a comparison on a tube roll with the CD-1000 due to the time involved in doing a roll is to use the transistor output as your reference with very familiar music. Before and after a tube roll compare the music to the transistor output. This is simply accomplished by hooking up both transistor and tube outputs to your amplification system and switching between source on your pre-amp.

If you drop something inside the CD-1000 while having the cover off, unplug the power immediately and wait 1/2 hour before opening the unit to recover the part. The high-voltage capacitors do store a charge for quite a few hours. We recommend you use insulated tools to retrieve the dropped part.

Only replace/roll tubes from the compatible family of tubes. If you have any doubts or questions, please ask us at [sales@grantfidelity.com](mailto:sales@grantfidelity.com) or give us a call.

### **Maintenance/Warranty**

There are no user serviceable parts inside your unit except tube rolling and the voltage inside the unit and the internal voltages are potentially lethal. Only qualified service personnel should go inside the unit. Attempting any repairs or modifications will void your warranty. Tube rolling with new production tubes provided by Grant Fidelity is fine. In the event a tube roll from a tube sourced from other supplier causes damage to your CD-1000, the warranty will be void.

Other than that, we are always available to answer questions regarding how to optimize the performance of your components. Drop us a line through our Contact Us from on the website – we are just a few clicks away! Our service never stops for our valued customers.

Thank you again for your purchase.

Your Grant Fidelity Team