



Sonata

CD30

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This guide is designed to make installing and using this product as easy as possible. Information in this document has been carefully checked for accuracy at the time of printing; however, Cambridge Audio's policy is one of continuous improvement, therefore design and specifications are subject to change without prior notice.

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Introduction

Thank you for purchasing your Sonata CD30. We are confident that you will enjoy many years of listening pleasure from it. Like all Cambridge Audio products, Sonata CD30 adheres to three core principles – stunning performance, ease of use and incredible value.

The Sonata CD30 has been designed to offer truly uncompromised audiophile quality audio in a small, convenient and stylish package.

The audio circuitry draws on all our previous experience and features high quality components throughout including a WM8716 digital to analog converter (DAC) from renowned manufacturer Wolfson.

Ultimate sound quality depends on the whole of your system, naturally we particularly recommend speakers from the Cambridge Audio Sirocco range as these have been designed for a perfect acoustic and aesthetic match. Your dealer can also supply excellent quality Cambridge Audio interconnects to ensure your system realises its full potential.


Thanks for taking the time to read this manual; we do recommend you keep it for future reference.



Matthew Bramble
Cambridge Audio Technical Director and the Sonata range development team

Important safety instructions

For your own safety please read the following important safety instructions carefully before attempting to connect this unit to the mains power supply. They will also enable you to get the best performance from and prolong the life of the unit:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a 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-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are 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 plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use with only 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.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug having been damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING – To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

The unit must be installed in a manner that makes disconnection of the mains plug from the mains socket outlet (or appliance connector from the rear of the unit) possible. Where the mains plug is used as the disconnect device, the disconnect device shall remain readily operable. Only use the mains cord supplied with this unit.

Please ensure there is ample ventilation (at least 10cm clearance all round). Do not put any objects on top of this unit. Do not situate it on a rug or other soft surface and do not obstruct any air inlets or outlet grilles. Do not cover the ventilation grilles with items such as newspapers, tablecloths, curtains, etc.

This unit must not be used near water or exposed to dripping or splashing water or other liquids. No objects filled with liquid, such as vases, shall be placed on the unit.



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated '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 instructions in the service literature relevant to this appliance.



The symbol on this product indicates that it is of CLASS II (double insulated) construction.



WEEE symbol

The crossed-out wheeled bin is the European Union symbol for indicating separate collection for electrical and electronic equipment. This product contains electrical and electronic equipment which should be reused, recycled or recovered and should not be disposed of with unsorted regular waste. Please return the unit or contact the authorised dealer from whom you purchased this product for more information.



CE mark

This product complies with European Low Voltage (2006/95/EC) and Electromagnetic Compatibility (2004/108/EC) Directives when used and installed according to this instruction manual. For continued compliance only Cambridge Audio accessories should be used with this product and servicing must be referred to qualified service personnel.



C-Tick mark

This product meets the Australian Communications Authority's Radio communications and EMC requirements.



Ross Test Stamp

This product meets Russian electronic safety approvals.

FCC regulations

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER AUTHORITY TO OPERATE THE EQUIPMENT.



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important safety instructions (continued)

Ventilation

IMPORTANT - The unit will become hot when in use. Do not stack multiple units on top of each other. Do not place in an enclosed area such as a bookcase or in a cabinet without sufficient ventilation.

Ensure that small objects do not fall through any ventilation grille. If this happens, switch off immediately, disconnect from the mains supply and contact your dealer for advice.

Positioning

Choose the installation location carefully. Avoid placing it in direct sunlight or close to a source of heat. No naked flame sources, such as lighted candles, should be placed on the unit. Also avoid locations subject to vibration and excessive dust, cold or moisture. The unit can be used in a moderate climate.

This unit must be installed on a sturdy, level surface. Do not place in a sealed area such as a bookcase or in a cabinet. Any space open at the back (such as a dedicated equipment rack) is fine however. Do not place the unit on an unstable surface or shelf. The unit may fall, causing serious injury to a child or adult as well as serious damage to the product.

Due to stray magnetic fields turntables or CRT TVs should not be located nearby due to possible interference.

Electronic audio components have a running in period of around a week (if used several hours per day). This will allow the new components to settle down, the sonic properties will improve over this time.

Power sources

The unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power-supply to your home, consult your product dealer or local power company.

This unit has been designed to be left in Standby mode when not in use as this will increase the life of the unit (this is true with all electronic equipment). To turn the unit off, switch off at the rear panel. If you do not intend to use this unit for a long period of time, unplug it from the mains socket.

Overloading

Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard.

Be sure to insert each power cord securely. To prevent hum and noise, do not bundle the interconnect leads with the power cord or speaker leads.

Cleaning

To clean the unit, wipe its case with a dry, lint-free cloth. Do not use any cleaning fluids containing alcohol, ammonia or abrasives. Do not spray an aerosol at or near the unit.

Battery disposal

Batteries may contain substances harmful to the environment. Please dispose of any discharged batteries with due consideration and in accordance with local environmental/electronic recycling guidelines.

Loudspeakers

Before making any connections to loudspeakers, make sure all power is turned off and only use suitable interconnects.

Servicing

These units are not user serviceable, never attempt to repair, disassemble or reconstruct the unit if there seems to be a problem. A serious electric shock could result if this precautionary measure is ignored. In the event of a problem or failure, please contact your dealer.

Limited warranty

Cambridge Audio warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below). Cambridge Audio will repair or replace (at Cambridge Audio's option) this product or any defective parts in this product. Warranty periods may vary from country to country. If in doubt consult your dealer and ensure that you retain proof of purchase.

To obtain warranty service, please contact the Cambridge Audio authorised dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your Cambridge Audio product, it can be returned by your dealer to Cambridge Audio or an authorised Cambridge Audio service agent. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This Warranty is invalid if (a) the factory-applied serial number has been altered or removed from this product or (b) this product was not purchased from a Cambridge Audio authorised dealer. You may call Cambridge Audio or your local country Cambridge Audio distributor to confirm that you have an unaltered serial number and/or you purchased from a Cambridge Audio authorised dealer.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than Cambridge Audio or a Cambridge Audio dealer, or authorised service agent which is authorised to do Cambridge Audio warranty work. Any unauthorised repairs will void this Warranty. This Warranty does not cover products sold AS IS or WITH ALL FAULTS.

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Some countries and US states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the above exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other statutory rights, which vary from state to state or country to country.

For any service, in or out of warranty, please contact your dealer.

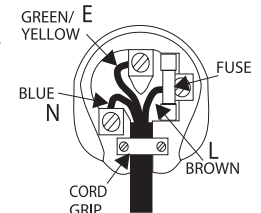
Plug Fitting Instructions (UK only)

The cord supplied with this appliance is factory fitted with a UK mains plug fitted with a 3 amp fuse inside. If it is necessary to change the fuse, it is important that a 3 amp one is used. If the plug needs to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug must then be disposed of safely, as insertion into a mains socket is likely to cause an electrical hazard. Should it be necessary to fit a 3-pin BS mains plug to the power cord the wires should be fitted as shown in this diagram. The colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug. Connect them as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter 'N' or coloured BLACK.

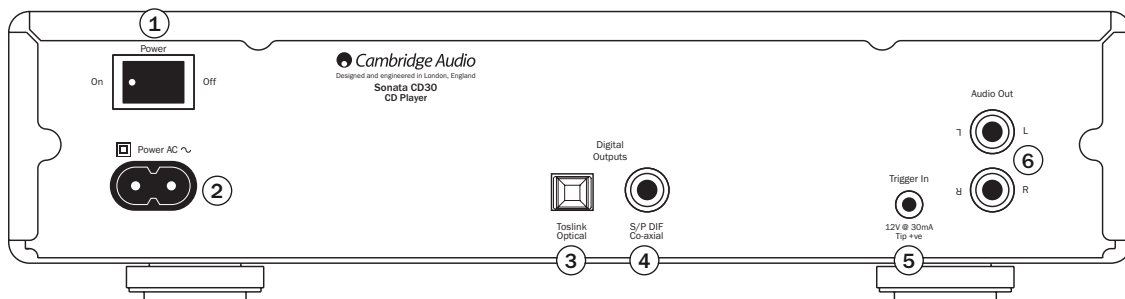
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter 'L' or coloured RED.

The wire which is coloured GREEN/YELLOW must be connected to the terminal which is marked with the letter 'E' or coloured GREEN.



If a standard 13 amp (BS 1363) plug is used, a 3 amp fuse must be fitted, or if any other type of plug is used a 3 amp or 5 amp fuse must be fitted, either in the plug or adaptor, or on the distribution board.

Rear panel connections



① Power On/Off

Switches the unit on or off.

② AC power socket

Once you have completed all connections to the amplifier, plug the AC power cable into an appropriate mains socket and turn the unit on. Your compact disc player is now ready for use.

③ TOSLINK Optical digital output

Use to connect to the input of a separate DAC or digital recording machine. Use a high quality TOSLINK fibre optic interconnect cable.

Note: To obtain the best results from your system we recommend using only high quality Cambridge Audio interconnects. This will ensure that you hear your system as we designed it. Please ask your dealer for details

④ S/P DIF co-axial digital output

For output to a separate DAC or digital recording machine. To obtain best results, use a high quality 75ohm digital RCA interconnect cable (not one designed for normal audio use).

⑤ Trigger In

The Sonata CD30 can be turned on and off (i.e. brought in and out of Standby mode) by a trigger voltage connected to the Trigger In. A transition from on to 5-12 DC will turn the Sonata CD30 on. Another transition from on to 5-12 DC will put the Sonata CD30 into Standby mode. The matching Sonata AR30 or DR30 receivers' feature a trigger output suitable for this purpose which allows the Sonata CD30 to be automatically powered up when CD is selected on the Sonata AR30/DR30.

⑥ Audio output

Use good quality interconnect cables from these sockets to any line level input on your amplifier.

Front panel controls



① Standby/On

Switches the unit between a low power Standby mode (indicated by dim power LED) and on (indicated by bright power LED). Standby is a low power mode where the power consumption is less than 5 Watts. The unit may be left in Standby mode when not in use.

② Infrared sensor

Receives IR commands from the supplied remote control. A clear, unobstructed line of sight between the remote control and the sensor is required.

③ Stop/Eject

Stops the CD playing and on a further press ejects it from the disc tray.

④ Disc tray

Compact Disc tray. Use the Stop/Eject button to open and close.

⑤ Display

Used to display CD track number, elapsed/remaining time and other CD functions. Please refer to the 'CD player setup' section of this manual for more information.

⑥ Play/Pause

Plays and pauses CD playback.

⑦ Skip/Scan

Allows for skipping between tracks and also searching within tracks. Press briefly to skip track, press and hold to search within a track.

Remote control

The CD30 is supplied with a Navigator remote control that operates this unit, and which can also operate a matching AR30 or DR30 2.1 receiver and their supplied docking station for iPod, and/or a DV30 DVD player. Always use alkaline batteries.

Important!

The default mode for remote operation is multi-functional control.

To control the CD30 in this mode, first press the CD button on the remote (which also selects the CD source).

To control other functions of an AR30 or DR30, their built-in tuners and DD30 dock for iPod or a DV30, first press the required source (e.g. MP3 for iPod, DVD for DV30, etc.) to select the right mode.

If you do not have an AR30 or DR30, you can lock your remote to CD30 control. This means that you do not need to press the CD button to access CD30 control. Hold down the CD button whilst inserting the batteries to lock the remote to CD30 control mode. To restore the default mode, remove the batteries and allow five minutes before re-inserting them.

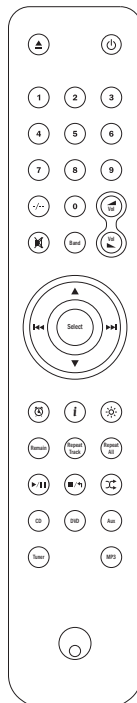
Standby/On

Switches the unit between Standby and On mode.

0-9 numeric buttons

The functions of these buttons differ depending on source mode selected:

Tuner (AR30/DR30) mode – Press to recall a preset. Press and hold to store a preset.



CD mode – Press the number of the desired track. Playback will start from the beginning of the track.

Skip/Scan

Use for skipping between tracks during playback or to scroll through available stations in DAB/FM mode. These buttons are also used to select features in the menus. For more information refer to 'operating instructions'.

Numerical select

To select a number greater than ten, press $\text{--}/\text{--}$ once followed by the second digit (e.g. to select 15 press $\text{--}/\text{--}$ followed by 5). To select a number greater than 20, press $\text{--}/\text{--}$ twice followed by the second digit (e.g. to select 23 press $\text{--}/\text{--}$ twice followed by 3).

Brightness

Switches the display brightness between bright and dim.

Remain, Repeat Track, Repeat All

See 'Operating instructions' section of this manual for information on the functions of these buttons.

Play/Pause

Plays and pauses playback.

Stop/Back

Press to stop CD playback and also works as Back button.

Random/Shuffle

Press to turn random/shuffle CD function on and off.

Source buttons (CD, DVD, Aux, Tuner, MP3)

Press relevant source button to select desired input source.

The following buttons access features on the matching AR30/DR30 2-channel receivers.



Mute

Mutes the audio on the unit. Press again to cancel mute.

Band

Switches the unit between FM and AM bands (AR30) or DAB and FM (DR30).



Volume

Increase or decrease the volume of the unit.



Navigation

To navigate around presets, press the directional arrows ▲ or ▼.

Select

Press to accept the item/function highlighted in the display menu.



Alarm/Clock

Press to access the alarm and sleep menu. Press and hold to access the clock menu. Press again to exit out of the menu. Refer to the 'Operation instructions' section of your Sonata AR30/DR30 manual for more information.



Info

Displays information such as music type and station provider. The information on the FM band is dependent on the strength of the signal.

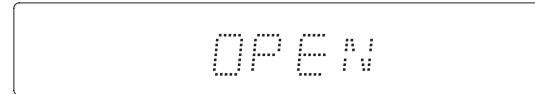
Operating instructions

Loading and unloading discs

1. Press the *Standby/On* switch, if it is necessary to turn the unit on.

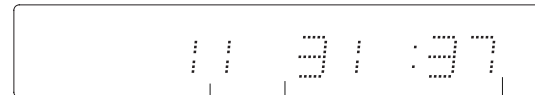
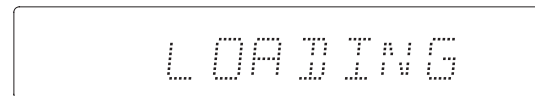
Note: Ensure you have pressed the CD on the multi-function remote to select CD control mode.

2. Press the *Stop/Eject* button to open the disc tray.



When the disc tray has opened fully, place a disc carefully in the tray with the printed side facing up.

3. To close the disc tray, press the *Stop/Eject* button again. When the tray, with a correctly loaded disc, is fully closed the CD player will read the disc and display the content information.



Number of tracks

Total length of album

Operating instructions (continued)

The disc tray can be opened at any time by pressing the *Stop/Eject* button. If the disc is playing, press *Stop/Eject* first to stop playback and then press again to eject the disc. Only remove the disc after the tray has fully opened.

Note:

- Do not put anything except a Compact Disc into the tray, foreign objects may damage the mechanism.
- Do not force the tray by hand during the opening and closing operations.
- To avoid dirt and dust entering the mechanism, keep the disc tray closed.
- If the Compact Disc is seriously scratched or too dirty the player may not be able to read it or play it.
- Never load more than one disc into the disc tray at one time.



Normal disc play

This unit has been designed to play compact discs, recordable CDs (CD-R) and re-writable CDs (CD-RW) bearing the identification logo shown here. No other discs can be used. Any CD-R/CD-RW discs should contain properly recorded TOC (Table of Contents) information so that they can be played back. This unit can play only the discs recorded in the CD-DA format designed for music reproduction. Do not attempt to play a disc containing other data, such as a CD-ROM for PCs with mp3 or WMA files, on this unit.

4. Switch on your amplifier and set its input selector to the correct position. Adjust the volume control to a desired level.
5. To begin playback, press *Play/Pause*. After a short pause, playback will begin.

When the last track has finished playing, the display will return to Table of Contents (TOC).

6. To stop the disc at any point, press the *Stop/Eject* button. Pressing the *Play/Pause* button while the disc is playing will pause the disc and the track time will flash on the display. Playback can be resumed by pressing *Play/Pause* again.



Locating a specific track during playback

1. A single short press of the **▶▶** button will take you to the beginning of the next track on the CD. Repeat as necessary.
2. A single short press of the **◀◀** button will take you to the beginning of the current track and two short presses of the **◀◀** will take you to the beginning of the previous track. Repeat as necessary.

Locating a specific track when playback is stopped

1. A single short press of the **◀▶** buttons will skip between tracks.
2. Press and hold the **◀▶** button to scroll rapidly through tracks.
3. Press *Play/Pause* to start playback from the selected track.


Repeating discs and tracks

1. Ensure that the disc is loaded.
2. Press the *Repeat Track* button on the remote control. 'RPT-TRK' will appear on the display. The current track will now be repeated until the function is turned off by pressing *Repeat Track* button.



RPT-TRK

3. Press the *Repeat All* button on the remote control. 'RPT-ALL' will appear on the display. The whole disc will now be repeated until the function is turned off by pressing *Repeat All* button.



RPT-ALL

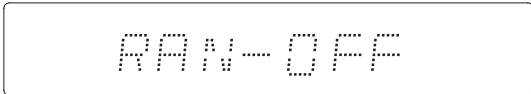
Playing tracks in random order

1. Ensure that a disc is loaded.
2. Press the *Random/Shuffle* button on the remote control. 'RANDOM' will appear on the display.



RANDOM

3. The CD player will automatically play the entire disc in random order.
4. Press *Random/Shuffle* to exit the function. 'RAN-OFF' will appear on the display. The disc will continue playing to the end in the correct order.



RAN-OFF

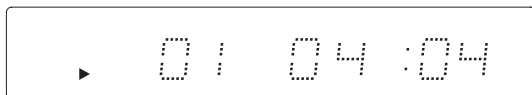
5. Press the *Stop/Eject* button at any time to stop the disc and exit Random mode.

Note: Selecting 'Random/Shuffle' mode when 'Repeat Track' or 'Repeat All' has been selected will automatically cancel 'Repeat Track' or 'Repeat All' mode.

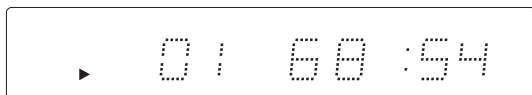
Operating instructions (continued)

Using the Remain function

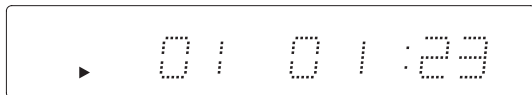
1. Ensure that the disc is playing.
2. Press the *Remain* button on the remote control once to display the time remaining for the track playing.



3. Press *Remain* a second time to show the total remaining disc time.



4. Press *Remain* again to return to normal display mode.



Selecting a track directly

Use the 1-9 numeric buttons on the remote control to select any track directly for playback, either in Stop or Playback modes.

For tracks greater than 9 use press the '+/-' button on the remote to add ten to the number you are entering i.e. for track 14 press '+/-' then press '4', for track 36 press '+/-' three times then press '6'.



Troubleshooting

There is no power

Ensure the AC power cord is connected securely.
 Ensure the plug is fully inserted into the wall socket and is switched on.
 Check the unit is switched on at the rear panel.
 Check fuse in the mains plug or adaptor.

The player will not read the disc

Check the disc is not loaded upside down.
 Check that the disc is not too scratched or dirty.

There is no sound

Ensure that the amplifier is set correctly.
 Check that the interconnects are inserted correctly.

The disc is skipping

Check that the disc is not too scratched or dirty.
 Ensure the player is on a firm surface and not subject to vibrations.

There is a hum coming from the speaker

Ensure that all cable connections are secure.

The remote handset will not function

Check that the batteries have not expired.
 Ensure that nothing is blocking the remote sensor.
 Check that the correct source is selected on the remote control i.e. CD30.

In the event that the above solutions do not remedy your problem, please consult our frequently asked questions (FAQ) section on our website:

www.cambridge-audio.com/sts/faqs

You can also use this facility to post a question to our Technical Support team.

Technical specifications

Disc types	CD (CD-DA), CD-R/RW
D/A Converter	Wolfson Microelectronics WM8716 24-Bit/ 192kHz capable
Frequency response	20Hz - 20kHz (+/-0.5dB)
THD	<0.003% @ 1Khz 0dBfs <0.005% 20Hz-20Khz 0dBfs
Linearity	+/- 1dB @ -90dBfs
Stopband rejection (>24kHz)	>90dB
S/N ratio	>90dB
Total correlated jitter	<300pS
Crosstalk @1kHz	<-100dB Crosstalk @20kHz <-80dB
Output impedance	<50ohms
Power Supply	All versions 100-240V AC ~ 50/60Hz
Max. power consumption	7W
Standby power consumption	<5W
Dimensions	270 x 67 x 285mm (WxHxD)
Weight	2.3kg (5.0lbs)

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