



APRIL
music

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stello

CDT 100
HIGH-END CD TRANSPORT



Introduction

Thank you for choosing the Stello CDT100 from April Music.

The CDT100 is the perfect companion for April Music's upsampling digital-to-analog converters (DACs) such as the DA 100 and DA 100 Signature. The CDT100 incorporates state-of-the-art engineering and extreme musicality in a compact form. For music lovers and audio enthusiasts alike, the CDT100 offers the utmost in sonic reproduction and quality of construction.

Perfect for music of all genres, the CDT100 features a top-loading mechanism for maximum stability, plus custom-designed signal-processing and transmission circuits that emphasize the overall musicality of the source recording. April Music delivers the opposite of the cold, antiseptic digital sound so often encountered with equipment built to rigorous engineering specifications but lacking the necessary soulfulness of real musicianship. It is this soulfulness that puts April Music in the small circle of audio companies for whom music comes first.

Sit back, relax and enjoy the music!

April Music, Inc.



[NOTE]

Whenever you change a CD, press the "DISC" button and wait for new disc information to appear on the display window!

Features

Top loading CD deck design

- CD, CD-R, CD-RW disc playback



Three digital S/PDIF output stage

- Isolation pulse transformers in digital audio interfaces
- Isolation from CD decoding circuit ground
- Common-mode noise rejection
- Impedance matching
- Short circuit protection
- CDT100 transmits data from a decoded audio data In single-ended, differential and Optical.

I²S transmission

- Supports I²S format of digital transmission
- Transmit I²S digital audio signals via mini DIN connector from the CD deck through separated 4 conductors, WORD CLOCK, BIT CLOCK, DATA, MASTER CLOCK

Power supply

- Very low output impedance
- Universal 100~117V / 220~240V power supply with selectable line voltage.

Component Quality

Internal components in the CDT100 are true high-end audio quality grade, as are external connectors.

- Gold plated Unbalanced RCA connector
- NEUTRIK Balanced connectors

Compact Form Factor

Compact form factor is consistent with other Stello 100 - series products, providing world-class performance without the spatial intrusion or "big footprints" of large components.

Caution

- When you move to another country, please check the AC line voltages. You can easily change voltage by selecting the proper one with slide switch, located on upper left-hand corner on the main pcb. From 100 ~ 120 VAC to 220 ~ 240 VAC / 50 ~ 60 Hz, You can use CDT100 anywhere in the world.
- The Stello CDT100 is a highly sensitive precision instrument. Best results will be achieved when it is used on a level, vibration-free shelf system, isolated from airborne vibration.
- Do not open the chassis without prior authorization from the manufacturer or a certified Stello agent. Unauthorized repair or tempering of any type will void the manufacturer's warranty.

Front Panel



Display Window



STANDBY

Turn on 'Main' power switch located on the rear panel. And press "STANDBY" button on the front panel, then "LOAD" will appear on display window.

DISC

To start playing a CD, remove the top cover and select the CD you wish to play and place it on the CD turntable. Put the magnetic stabilizer and replace the top cover. Press the "DISC" button and wait for the disc information to appear in the main CD display. The information will show the number of tracks on the CD and the total playing time. It is an essential for you to press "DISC" button whenever you wish to reset the CD information.

To change a CD, press "STOP", the CD display will show the disc information. Remove the top cover, lift your CD after gently peel the stabilizer from the CD.

Having placed the disc on the turntable, the display will still show the details of previous CD played until you press the "DISC" button.

PLAY / PAUSE

Press "PLAY" to play the disc.

One more push will act as "PAUSE" button. To play again, push this button again.

STOP

Use this button to stop playing the disc.

The CD's embedded information will be shown on the display window.

TRACK

Press this button to skip to the previous or following track. Select the desired track by pressing one of the arrow buttons. Play will resume automatically on the selection of your choice.

Pressing maked ◀ button, the track being displayed will start playing from the beginning again. Twice pressing ◀ button, the previous track on the CD will play from the beginning.

While pressing "TRACK" button more than 1 second, it will act as a fast-forward or fast-backward key. When you stop pressing this button, it will resume to play selected track automatically.

Rear Panel



POWER : AC Mains ON/OFF Switch

DIGITAL OUTPUTS : 4 outputs are ready (AES / EBU, COAX, OPT, I²S). Please make sure that you have to use proper cables for each output.

AES / EBU : AES / EBU digital format interface is mainly used in high-end environments. It is the preferred balanced form of S/PDIF digital transmission.

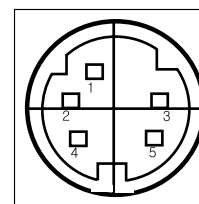
COAX : Theoretically, all digital outputs have the same music quality. But, we believe what we hear, and in the real world of hi-fidelity, COAX is typically better than other connections. We recommend using a dedicated DAC to enjoy super quality playback from your audio equipment.

OPT : Standard optical outputs (from Toshiba : Toslink) industrially well-known as 'Toslink' .

I²S : This mini-DIN jack should connect to the I²S input on a dedicated D/A Converter. I²S offers the advantage of separate conductors and separate signals for bit clock, word clock, audio data and master clock.

When I²S output is connected to D/A Converter (such as DA100 Signature), it receives I²S signal from the digital source from CDT100, the signal is locked and begins its operation.

Following is the pin assignment for CDT100 mini-DIN connector.

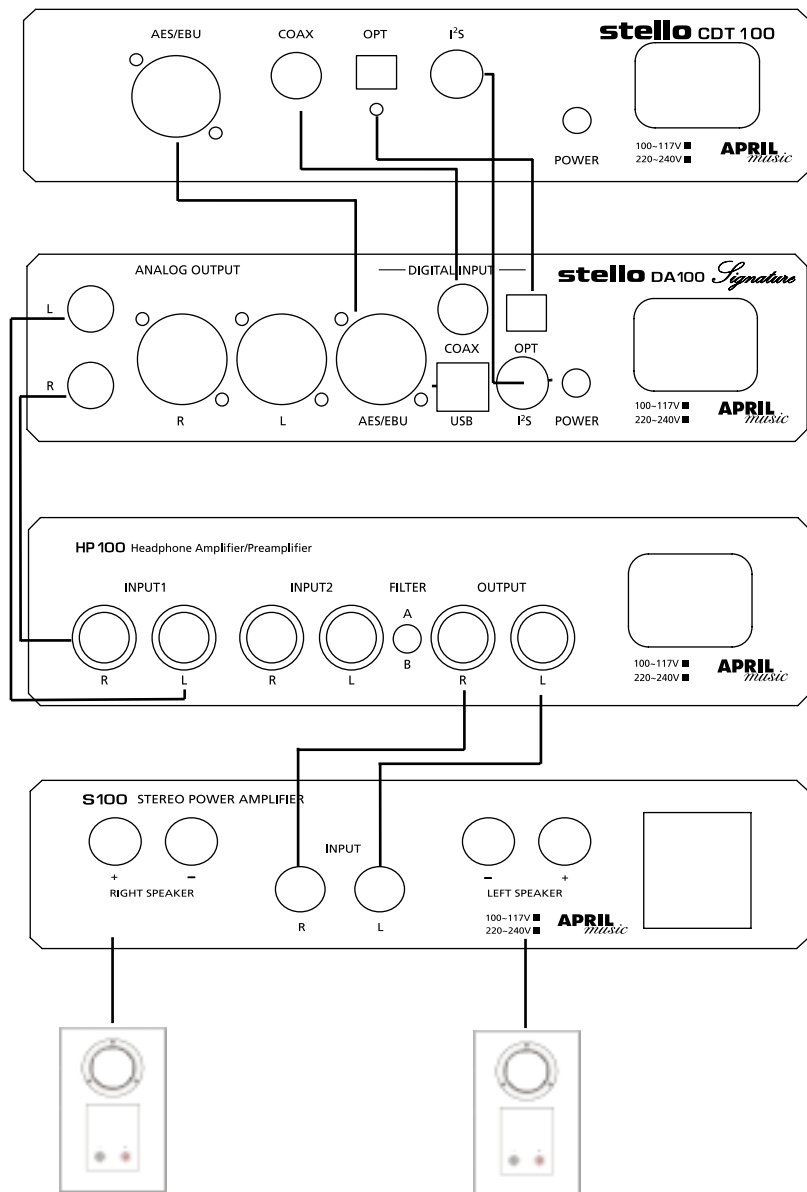


Rear View

- PIN 1 : word clock
- PIN 2 : bit clock
- PIN 3 : audio data
- PIN 4 : master clock
- PIN 5 : not connected
- Shield : circuit ground

Connection & Operation

How to connect



Remote Control Operation



STANDBY

Same as "STANDBY" switch of the front panel (red button)

DISPLAY

Brightness control in 4 levels

PROG

Use this function to play only programmed tracks.

For example, to listen to track 8, 3, and 13, press PROG > 8 > PROG > 3 > PROG > 13 > PROG > PLAY. Then, it will start playing programmed tracks. When you program the track 8, you will press "8" from the key pad then "8" will appear at the last digit window and when "PROG" button is pressed, "8" will move to the track field. To deactivate the "PROG" function, press "■" twice.

A - B

Use this function to listen to a customized edit of the track, extremely useful for musicians in the process of learning a part from a recording. During playback, press "A - B" at the beginning of the desired section. An "A" will appear on the display window. Press "A - B" at the end of the section, which will change the display to "A - B", and the CDT100 will repeatedly play the edited section until the "A - B" key is pressed to cancel the time-selected repeat function.

DISC

Reset button

TIME

Press the "TIME" key once to show the total playing time. Press the "TIME" key again to show total remaining time. Press "TIME" a third time to return to the standard display.

REPEAT

Pressing "REPEAT" button will show "RPT ONE" on the display window and this will repeat one track which is playing. If you press this button one more time, it will change to "RPT ALL" which repeats all tracks. By pressing "REPEAT" button again, it will act as "RPT OFF".

RANDOM

Pressing this button will play tracks randomly.

SCAN

Pressing this button will play the beginning of each track for 10 seconds. Press "SCAN" once more to play the entire track.

Previous Track (◀)

This button has two functions, and is marked ◀. Press once and the track being played will start playing from the beginning again. Press ◀ twice quickly and the previous track on the CD will play from the beginning.

Next Track (▶)

This button only has one function, and is marked ▶. Press this button once and the next track on the CD will begin playing. Each time you press this button, the next track on the CD will begin to play in the normal ascending numeric order, or the next programmed selection if you have used the "PROG" option.

Play / Pause (▶||)

The PLAY function is used to start a new listening program. When a CD is placed on the turntable the PLAY function will not operate until one of the two following function is activated :

- The "DISC" button on the CD player has been pressed.
- The "STANDBY" button on the remote control is pressed twice.

This starts the turntable spinning and the disc information is read by the laser. The disc information will then appear on the main display screen. Once the disc information is displayed, it is possible to play the CD by pressing the " ▶|| " button on the remote control.

This function suspends the playing of the CD at the exact point that the " ▶|| " button was pressed. This mutes the sound completely. Press " ▶|| " again and play resumes from the exact point it was originally suspended.

Stop Button (■)

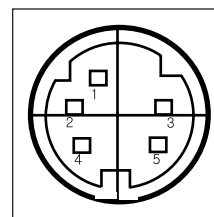
This function stops the CD turntable from spinning and the laser from reading the digital information on the disc. It also cancels all programmed functions and enables the current disc to be removed. The CD turntable is now ready to accept another disc or to be switched off at the end of the current listening session.

Search Buttons (◀◀ ▶▶)

Press the double arrows, CD will go into fast search mode until the same key is pressed again to go back to normal "PLAY" mode.

Specifications

CD MECHANISM	TOP LOADING
DIGITAL OUTPUT	SAMPLE RATE 44.1 kHz @CD PLAYBACK 1 AES / EBU 110 Ohms 1 COAXIAL 75 Ohms 1 TOSLINK 1 I ² S 5 Pin MINI DIN 256 x SAMPLE RATE MASTER CLOCK



Front Panel Button

PIN 1 : word clock
PIN 2 : bit clock
PIN 3 : audio data
PIN 4 : master clock
PIN 5 : not connected
Shield : circuit ground
DISC, STANDBY, STOP, PLAY / PAUSE, NEXT, PREV

Full Function Remote Control

AC Line Main Power Toggle Switch on the Back

"STANDBY" switch on the front panel

AC Mains Voltage	100 ~ 117 VAC / 220 ~ 240 VAC selectable via interior slide switch
AC Mains Frequency	50 / 60 Hz
Dimensions(W / H / D)	212 mm x 55 mm x 290 mm
Weight	3.5 kg net ; 4.5 kg gross. (11 lbs packaged.)

*All specifications are subject to improvement without further notice.

WARRANTY

April Music, Inc. supports 2 years of free warranty for the CDT100 under normal use from the date of delivery.

This warranty extends only to the original purchaser and does not apply to parts that have been subjected to misuse, or abnormal operations. CDT100 owners who have purchased their units second hand can inherit the remaining warranty period by contacting April Music, Inc. via e-mail or a letter to activate the remaining warranty.

In the event of failure during the warranty period, April Music, Inc. will repair the CDT100 at no charge as long as provided unit is in normal use.

If the unit is damaged by the abnormal use (incorrect voltage connection, spilling coffee over the top etc.) and if you or your dealer cannot fix the problems, the unit should be returned to the factory. In this case, the estimated repair fee (including shipping & handling) will be submitted to you before shipping the unit for repair. A return authorization is required when sending the units for repair. Returned units must be shipped to April Music, Inc. prepaid and with original packaging (preferred).

There are no user serviceable parts inside except changing the line voltage. Beware that the CDT100 runs very hot inside because the analog output stages are class-A operated discrete circuits. Care should be taken.

If you or any unauthorized person have tried to change or modify the circuits without any prior consent from April Music, Inc., all warranty will be voided even though the units are still within the warranty period.

*Unauthorized person should not try to modify April Music products!

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