

Super Audio CD Transport

DP-100

A new era is about to unfold in the history of audio. The Super Audio CD offers a way to experience music like never before. Accuphase offers a no-holds-barred separate type player solution that lets the new medium develop its full potential: Transport DP-100 and Digital Processor DC-101.

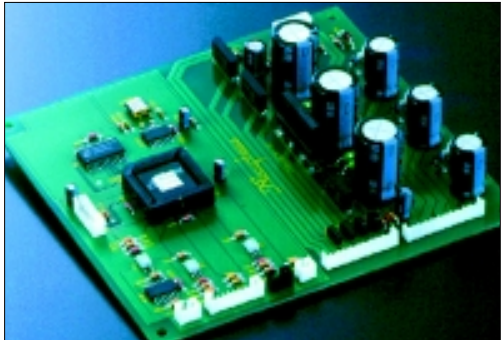
Whereas the conventional CD operates with a sampling frequency of 44.1 kHz and 16-bit resolution, the Super Audio Compact Disc (SACD) employs a 2.8224 MHz/1-bit format which enables it to hold four times more information. To make optimum use of the wide frequency range and dynamic range capabilities of this exciting new medium, separate type components are clearly the best approach. Accuphase presents two components that can take SACD to the heights it is designed for. And to make sure that nothing is lost in the transfer stage, the two components are linked by a new type of digital

SACD/CD transport with dedicated digital output and HS-Link: the ultimate digital audio interface. Stationary optical assembly with dual pickups assures absolutely pure digital signal readout. Top loading principle with smooth sliding door.

interface called HS-Link. This interface standard developed by Accuphase is ideal not only for new sources like SACD and DVD-Audio, it also can benefit existing digital audio components such as CD players or MD and DAT recorders. Future possibilities are just now beginning to unfold, giving the true audiophile much to look forward to.

The HS-Link interface uses a dedicated cable which can carry both upstream and downstream data. This makes it possible to use an unobtrusive signal verification system that assures full copyright protection for musical material. Thanks to HS-Link option boards, the DP-100 can be combined also with current Accuphase models such as the Digital Preamplifier DC-330 or CD Player DP-75V. Another system enhancing possibility is offered by the Digital Voicing Equalizer DG-28 which can be used to provide sound field

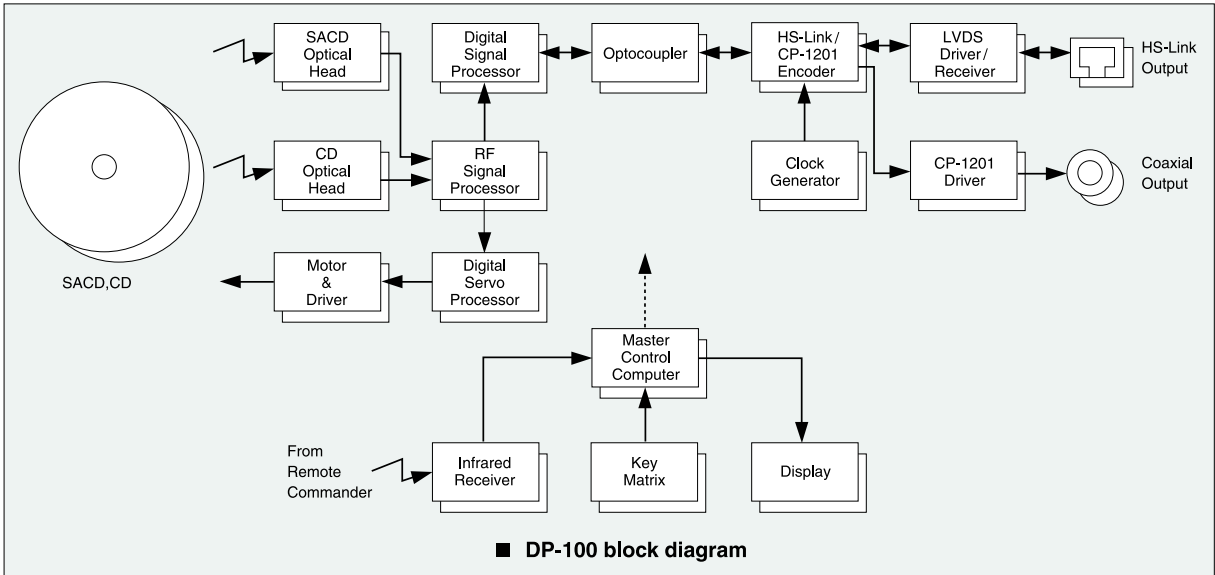
compensation entirely in the digital domain, thanks to a choice of dedicated wide range input/output boards. By configuring an HS-Link chain consisting of DP-100 ⇄ DC-330 ⇄ DF-35, you can create a multi-amped system that takes digital audio to sonic heights such as never experienced before.



■ Assembly with HS-Link encoder, master clock generator, power supply circuitry, etc.

DP-100 Features

- Digital output SACD/CD transport designed for ultra-precise signal readout
- Plays also regular CDs with optimum quality
- Stationary dual optical mechanism featuring separate pickups for SACD and CD
- Dedicated digital servo DSP for optical pickup and motor control
- Large display shows text data, operation status, and other information
- Compatible with super high quality digital audio interface HS-Link developed by Accuphase
- Built-in HS-Link RJ-45 connector for SACD/CD signal output
- Built-in coaxial connector for CD signal output
- High-precision smooth sliding door shuts out external noise and vibrations
- Strong chassis with resonance and vibration resistant construction
- "High Carbon" cast iron insulator feet with superior damping characteristics further enhance sound quality
- Dedicated HS-Link cable supplied as standard equipment
- Multi-function remote commander RC-27 supplied as standard equipment



■ DP-100 block diagram

- Digital output of DP-100



- HS-Link connector (SACD/CD output) and coaxial connector (CD output) assembly



■ "High Carbon" cast iron insulator feet

A Ground breaking New Digital Audio Interface  
HS-Link — High Speed Link

HS-Link makes use of extremely sophisticated digital signal transmission technology. Accuphase developed this standard in order to allow reproduction of digital sources with superb sound quality. A single cable is used both to send and receive verification information for copyright purposes and to deliver the audio data stream without the slightest deterioration.

- Capability to carry new signal formats such as SACD or DVD-Audio as well as conventional digital audio formats such as CD, MD, DAT, etc.
- Transfer rate: 400 Mbps or higher (logical limit 1923 Mbps)
- Transfer signal format: Low Voltage Differential Signaling (LVDS) TIA/EIA-644
- Send/receive clock fully synchronized
- Full bidirectional capability with simultaneous send/receive
- Full security capability with send/receive verification
- Cable type: Shielded twisted pair 8-conductor OFC cable (TIA/EIA-568A CAT.5)

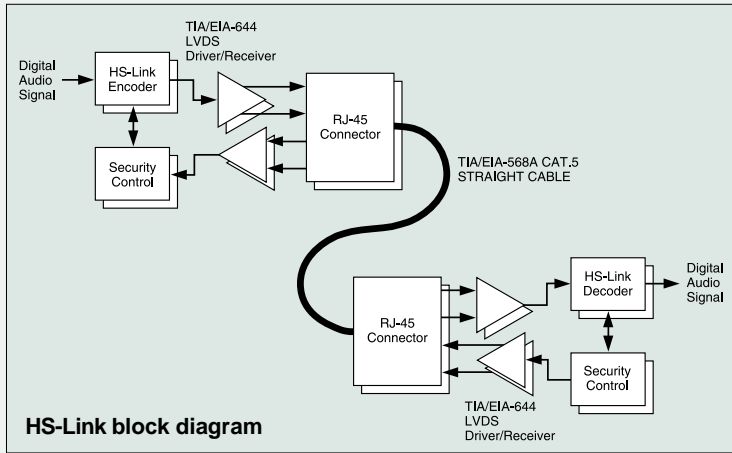
Sampling frequencies  
32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz  
(16 to 24-bit, 2-channel PCM)  
2.8224 MHz (1-bit 2-channel DSD)



HS-Link cable



- Connecting the DP-100 and DC-101 with HS-Link cable



HS-Link block diagram

- Supplied remote commander RC-27
  - Versatile DP-100 functions including direct play, program, repeat, shuffle, etc.
  - DC-101 input switching and output level adjustment

