

Accuphase

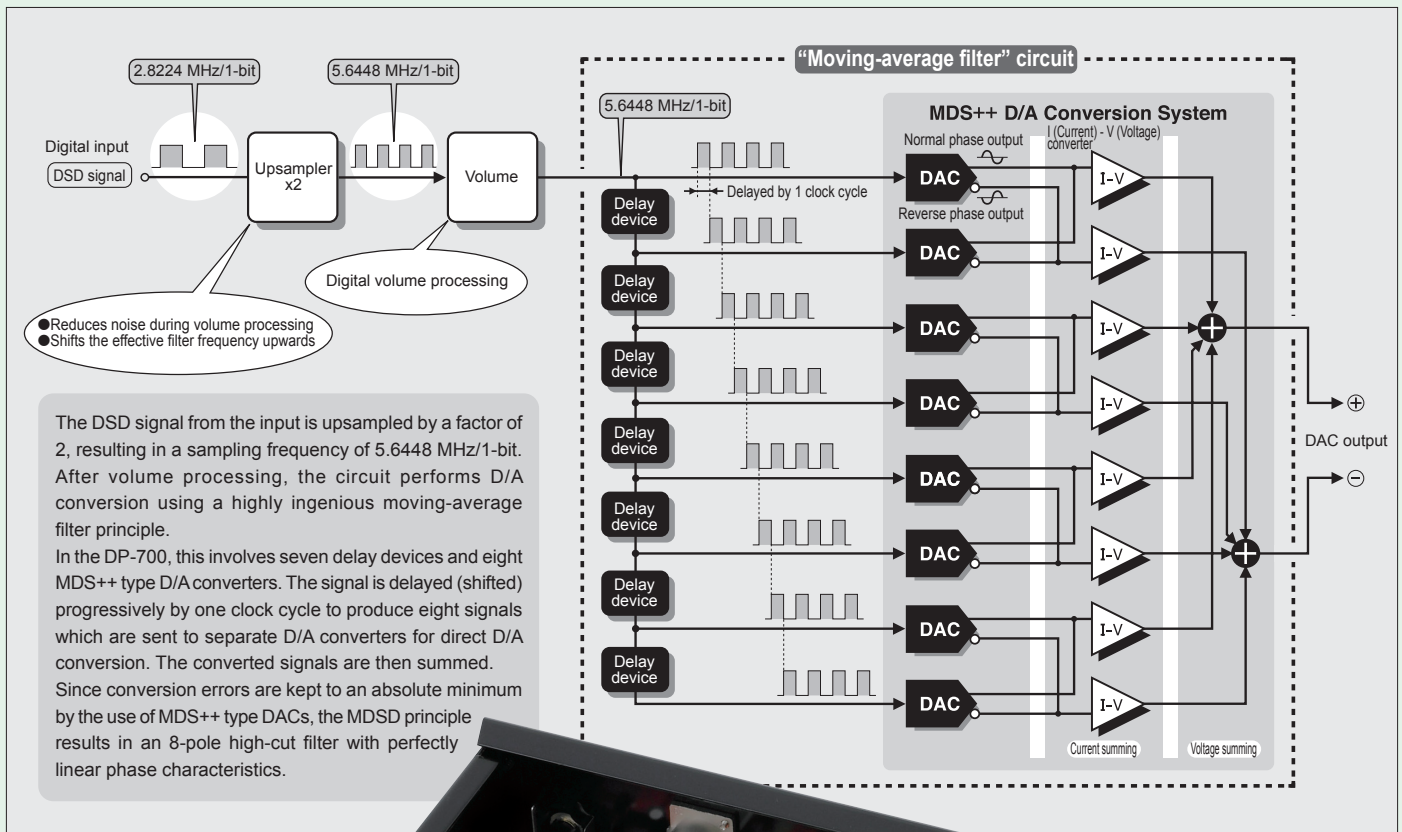
PRECISION MDSD SA-CD PLAYER

DP-700

● High-rigidity, high-precision SA-CD/CD drive ● Innovative digital signal processor with MDSD technology ● MDS++ D/A converter with eight DACs driven in parallel ● "Ultra Jitter-Free Plus" PLL circuit ● "Direct Balanced Filter" with totally separate balanced and unbalanced signal paths ● Transport outputs and digital inputs ● Accuphase HS-Link digital interface



Innovative digital signal processing : MDSD (Multiple Double Speed DSD)



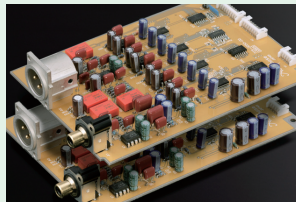
■ Supplied remote commander RC-100

Gives access to various functions including direct play, repeat, program play, input switching, and level control.

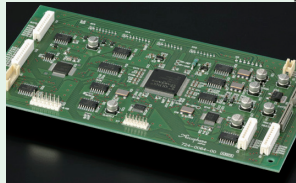


Features and Functions of Digital Processor Section

- MDSD (Multiple Double Speed DSD) implements innovative digital signal processing.
- MDS++ D/A converter with eight DACs driven in parallel
- Ultra Jitter-Free Plus PLL circuit
- "Direct Balanced Filter" provides totally separate analog low-pass filtering for balanced and unbalanced signal paths.
- Digital level control allows adjustment down to -80 dB.
- D/A converter printed circuit boards made from Teflon (glass fluorocarbon resin) with low dielectric constant and low loss.
* Teflon is a registered trademark of DuPont USA.
- Power-on play feature allows automatic playback.
- HS-Link, coaxial, and optical transport output connectors and digital input connectors. Insertion of DG-38/DG-48 for sound field compensation in digital domain also possible.
- Balanced and unbalanced analog outputs (1 each)
- "Advanced High Carbon" cast iron insulators with excellent absorption characteristics control vibrations to ensure high sound quality.
- Massive wood cabinet with persimmons finish.



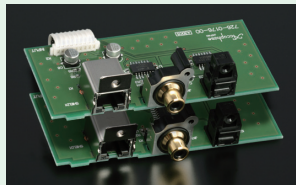
MDSD assembly



Digital signal processing assembly



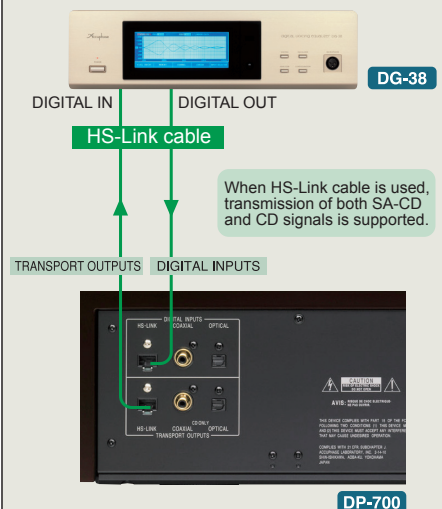
Power supply assembly



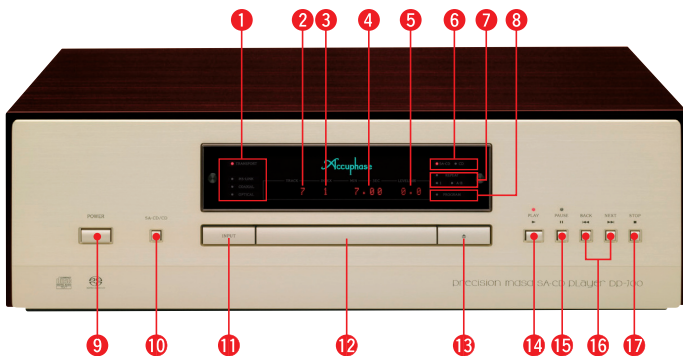
Transport output/digital input assembly

DG-38/DG-48 connection example

The DG-38/DG-48 can be connected between the transport outputs and digital inputs of the DP-700 (using either the HS-Link, coaxial, or optical connector). This allows sound field compensation of the signal from the CD transport in the digital domain.



Front Panel



Rear Panel



- | | |
|--|--|
| 1 Input indicators : TRANSPORT/HS-LINK/COAXIAL/OPTICAL | 18 Disc tray open/close button |
| 2 Track number indicator | 19 Play button |
| 3 Index indicator | 20 Pause button |
| 4 Time indicator | 21 Track search buttons: BACK/NEXT |
| 5 Output level indicator | 22 Stop button |
| 6 SA-CD/CD indicator | 23 Digital inputs (HS-Link, coaxial, digital) |
| 7 Repeat indicator | 24 Transport outputs (HS-Link, coaxial, digital) |
| 8 Program indicator | 25 Analog outputs |
| 9 Power switch | 26 Balanced output connectors (analog) |
| 10 SA-CD/CD selector button | 27 ①Ground ②Inverted (-) ③Non-inverted (+) |
| 11 Input selector button | 28 Unbalanced output connectors |
| 12 Disc tray | 29 AC power connector* |

Remarks

- * This product is available in versions for 120/230 V AC. Make sure that the voltage shown on the rear panel matches the AC line voltage in your area.
- * The shape of the AC inlet and plug of the supplied power cord depends on the voltage rating and destination country.

Supplied accessories:

- AC power cord
- Audio cable with plugs (1 meter)
- Remote Commander RC-100
- Cleaning cloth

Guaranteed Specifications

- * Guaranteed specifications are measured according to the JEITA standard CP-2402A.
- * Measurement disc: PHILIPS 3122-783-00632

Transport section

- Compatible disc formats 2-channel Super Audio CD
CD
- Data read principle Non-contact optical pickup
- Laser diode wavelength SA-CD: 650 nm
CD: 780 nm
- Transport section outputs HS-Link Connector type: RJ-45
Suitable cable: Dedicated HS-Link cable
COAXIAL Format: IEC 60958 compliant
OPTICAL Format: JEITA CP-1212 compliant

Digital processor section

- Digital inputs HS-Link Connector type: RJ-45
Suitable cable: Dedicated HS-Link cable
COAXIAL Format: IEC 60958 compliant
OPTICAL Format: JEITA CP-1212 compliant
- Sampling frequency 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
(16 to 24 bits, 2-channel PCM)
[Only via HS-Link] 176.4 kHz, 192 kHz (24 bits, 2-channel PCM)
2.8224 MHz (1 bit, 2-channel DSD)
- D/A converter MDSD principle (DSD signal)
MDS++ principle (PCM signal)
- Frequency response 0.5 - 50,000 Hz +0, -3.0 dB
- Total harmonic distortion + noise 0.0008% (20 to 20,000 Hz)
- Signal-to-noise ratio 114 dB
- Dynamic range 110 dB (24-bit input, low-pass filter off)
- Channel separation 108 dB (20 to 20,000 Hz)
- Output voltage and impedance BALANCED: 2.5 V 50 ohms, balanced XLR type
UNBALANCED: 2.5 V 50 ohms, RCA phono jack
- Output level control 0.0 dB to -80.0 dB (digital)

General

- Power requirements AC120 V/230 V 50/60 Hz
(Voltage as indicated on rear panel)
- Power consumption 35 W
- Max. dimensions Width 477 mm (18-3/4")
Height 156 mm (6-1/8")
Depth 394 mm (15-1/2")
- Mass 27.0 kg (59.5 lbs) net
33.0 kg (72.8 lbs) in shipping carton

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ACCUPHASE LABORATORY, INC.