

Accuphase

PRECISION STEREO CONTROL CENTER

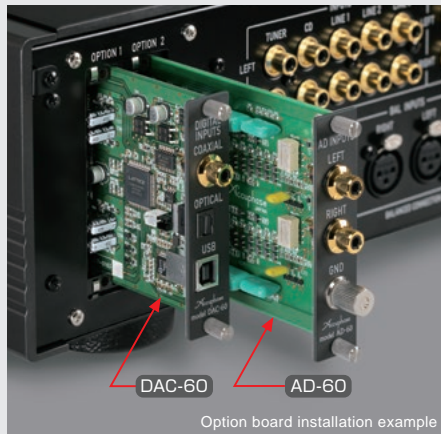
C-2300

- Balanced AAVA volume control
- 4-band tone control
- Quiet and smooth volume sensor construction
- Ample inputs: 5 Line and 2 Balanced
- Independent power supplies and unit amplifiers for left and right
- Phase setting memory for each input
- Highly reliable logic-controlled signal switching relays
- High-quality headphone amplifier
- Additional option boards support digital signals and analog records



Option Boards

Two option boards can be installed on the rear panel. Three types of option boards are available.



Option board installation example

Conventional models are also supported

Digital Input Board	DAC-50/DAC-40/DAC-30/ DAC-20/DAC-10
Analog Disc Input Board	AD-50/AD-30/AD-20/ AD-10/AD-9
Line Input Board	LINE-9

DAC-60 Digital Input Board

High-performance DAC with two ES9016K2M chips from ESS Technology driven in parallel.

Coaxial digital cable

Fiber-optic cable

USB cable

- The input terminal can be selected from the front panel (*2)
- The sampling frequency can be displayed (*2)

*1: Set TV digital audio outputs to PCM signals.

*2: When DAC-60 / DAC-50 / DAC-40 is installed

*3: ASIO only

Input	Signal	Sampling frequencies	Number of bits
USB	DSD	2.8 MHz 5.6 MHz 11.2 MHz*3	1 bit
	PCM	32 to 384 kHz	32-bit
Optical	PCM	32 to 96 kHz	24-bit
Coaxial	PCM	32 to 192 kHz	24-bit

AD-60 Analog Disc Input Board

Features a high-performance phono equalizer for playback of analog discs.

- Supports MC and MM cartridges
- Load input impedance selection (MC only)
- Subsonic filter

Cartridge	MC	MM
Gain	66 dB	40 dB
Input Impedance	30 ohms	47 kilohms
	100 ohms	
	200 ohms	
300 ohms		
Subsonic Filter	25 Hz, -12 dB/octave	

- MC/MM selection (*4), input impedance selection (*5), and subsonic filter ON/OFF (*5) can be selected from the front panel.

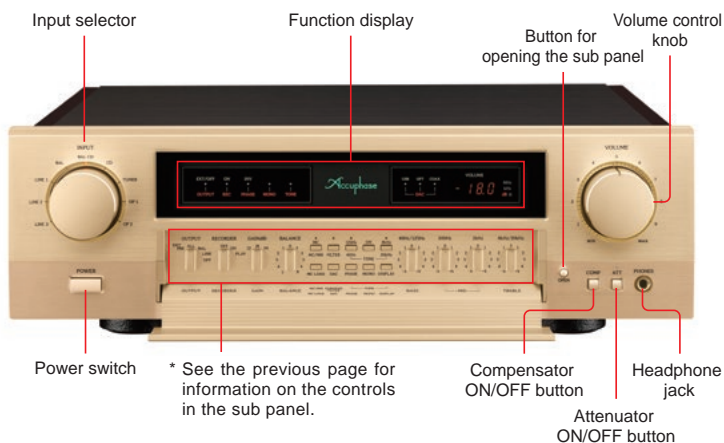
*4: This setting is on the option board with the AD-10 / AD-9.

*5: This setting is on the option board with the AD-50 / AD-30 / AD-20 / AD-10 / AD-9.

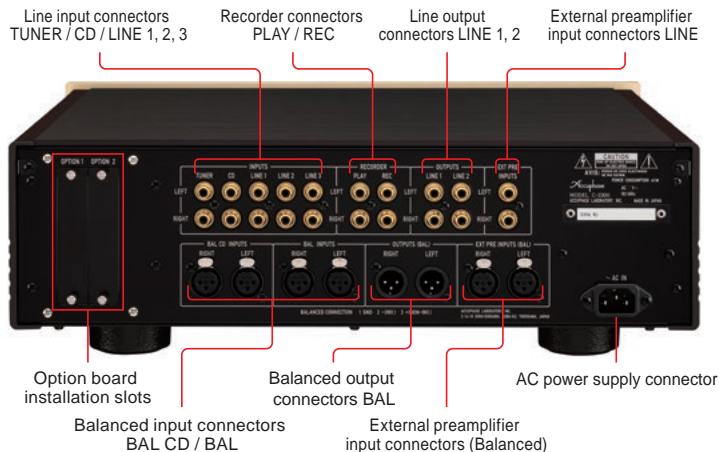
LINE-10 Line Input Board

Provides an additional set of unbalanced line level inputs.

Front Panel



Rear Panel



C-2300 Guaranteed Specifications

Frequency Response	BALANCED / LINE INPUT		3 – 200,000 Hz +0 –3.0 dB	
	★AD INPUT	MM / MC	20 – 20,000 Hz +0 –0.2 dB	
Total Harmonic Distortion	(20 – 20,000 Hz, at rated output, all input connectors)		0.005 %	
Input Sensitivity, Input Impedance	Input connector	Input sensitivity	Input impedance	
		At rated output	For 0.5 V output	
	BALANCED	252 mV	63 mV	40 kilohms (20 kilohms / 20 kilohms)
	LINE	252 mV	63 mV	20 kilohms
	★AD: MM / 40 dB	2.5 mV	0.63 mV	47 kilohms
★AD: MC / 66 dB	0.126 mV	0.0315 mV	30 / 100 / 200 / 300 ohms	
Rated Output Voltage, Output Impedance	BALANCED / LINE OUTPUT		2 V / 50 ohms	
	★RECORDER REC (at AD input)		252 mV / 200 ohms	
S/N Ratio, Input Converted Noise	Input connector	Input shorted (A weighting)	S/N ratio (EIA)	
		S/N ratio at rated output		
	BALANCED / LINE	111 dB	108 dB	
	★AD: MM / 40 dB	80 dB	80 dB	
★AD: MC / 66 dB	68 dB	80 dB		
Max. Output Voltage	BALANCED / LINE OUTPUT		7.0 V	
	(Distortion: 0.005%, 1 kHz) RECORDER REC (at AD output)		6.0 V	
Max. Input Voltage	BALANCED / LINE INPUT		6.0 V	
	(Distortion: 0.005%, 1 kHz)	★AD MM / 40 dB INPUT	60.0 mV	
		★AD MC / 66 dB INPUT	3.0 mV	

Minimum Load Impedance	BALANCED / LINE OUTPUT		600 ohms
	RECORDER REC		10 kilohms
Crosstalk	-74 dB / 10 kHz		
Gain (Gain switching: 18 dB)	INPUT		OUTPUT
	BALANCED / LINE	BALANCED / LINE	Gain
	BALANCED / LINE	RECORDER REC	18 dB
	★AD MM: 40 dB	BALANCED / LINE	0 dB
	★AD MM: 40 dB	RECORDER REC	58 dB
★±6 dB GAIN switching possible for all modes except REC OUTPUT	★AD MC: 66 dB	BALANCED / LINE	40 dB
	★AD MC: 66 dB	RECORDER REC	84 dB
Loudness compensation	+6.0 dB (100 Hz)		
★U [^] à • [] à & , [^]	25 Hz	-12 dB/octave	
Headphone jack	Suitable impedance	8 ohms or higher	
	Output level	2 V (40 ohms)	
Attenuator	-20 dB		
Power requirements	120 V, 220 V, 230 V AC (voltage as indicated on rear panel)		
	50 / 60 Hz		
Power Consumption	41 W (when option board AD-60 and DAC-60 are installed)		
Maximum dimensions	Width 465 mm (18.3") x Height 150 mm (5.9") x Depth 405 mm (15.9")		
Mass	Net	19.3 kg (42.5 lbs)	
	In shipping carton	25 kg (52 lbs)	

- Supplied accessories**
- AC power cord
 - Remote Commander RC-250
 - Audio cable with plugs AL-10, 1 m (39.4")

Remarks

- ★ This product is available in versions for 120/220/230 V AC. Make sure that the voltage shown on the rear panel matches the AC line voltage in your area.
- ★ The 230 V version has an Eco Mode that switches power off after 120 minutes of inactivity.
- ★ The shape of the plug of the supplied AC power cord depends on the voltage rating and destination country.

Indicates properties with the analog disc input board AD-60 installed.

