

Solo/Duo Phono Preamplifier

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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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AUTO POWER DOWN (APD)

This unit has an Auto Power Down function. The product will automatically switch to standby mode after inactivity of 20 minutes.

DISABLING THE AUTO POWER DOWN

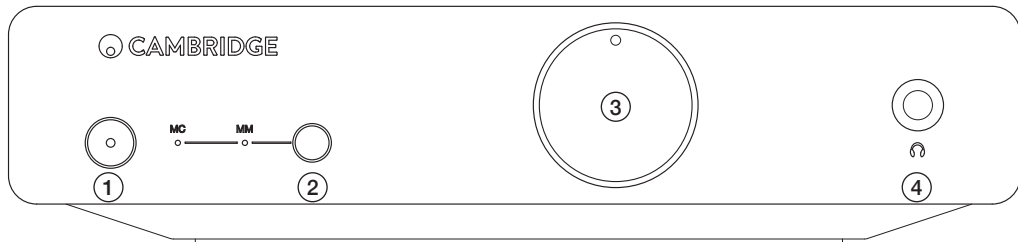
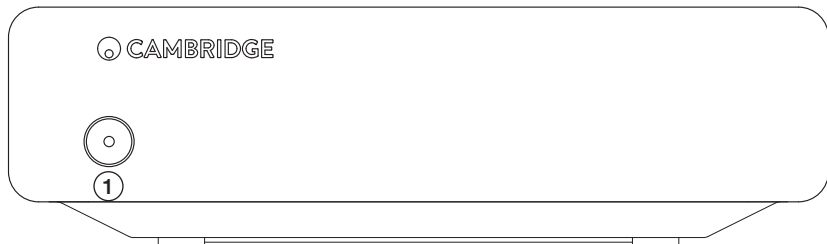
If you wish to disable the APD function, then press and hold the power button for 5 seconds when in standby. This can then be reset to factory defaults by plugging in the mains lead with the standby button held down.

For more frequently asked questions (FAQs), technical advice and information on getting the most out of your Solo/Duo, please visit the Support section on Cambridge Audio's website:

<https://techsupport.cambridgeaudio.com>

For all servicing, in or out of warranty, please contact your dealer.

Front panel controls



1. STANDBY/ON

Switches the unit between Standby mode (indicated by dim LED) and On (indicated by bright LED). Standby mode is a low power mode where the power consumption is less than 0.5 Watts.

The following functions are for Duo only

2. CARTRIDGE TYPE SELECTOR SWITCH

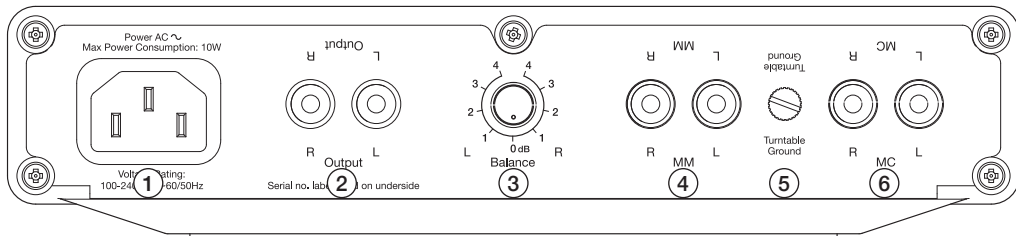
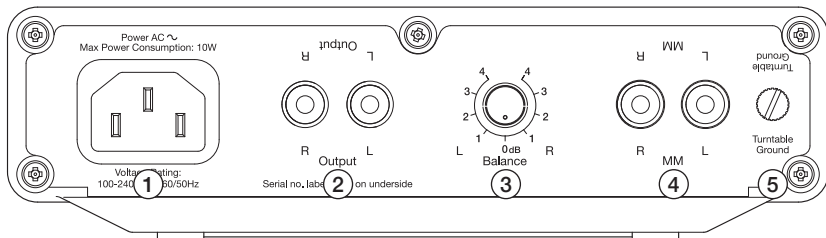
Match this switch to the cartridge type that your turntable uses. MM for a moving magnet cartridge or MC for a moving coil cartridge.

3. HEADPHONE VOLUME

4. HEADPHONES

Allows for the connection of stereo headphones with a ¼" Jack plug. Headphones with an impedance of between 32 and 600 ohms are recommended.

Rear panel connections



1. AC POWER SOCKET

2. OUTPUT SOCKETS

Use phono cables to connect to any line level input on your amplifier, such as Aux. NB. Do not connect to a phono input.

3. BALANCE

This control allows you to make fine adjustments to the relative output levels of the left and right channels. In the central position the output from each channel is equal.

4. MM INPUT SOCKETS

If your turntable uses a moving magnet cartridge, connect outputs here (3-5mV, with 47k ohm, 100pF loading).

5. TURNTABLE GROUND

If your turntable has a separate grounding lead then connect here. This provides shielding to the arm and the sensitive circuitry in the turntable.

6. MC INPUT SOCKETS (DUO ONLY)

If your turntable uses a moving coil cartridge, connect outputs here (0.3-1mV, with 100 ohm, 100pF loading).

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 fuse in the mains plug or adaptor.

THERE IS NO SOUND

Make sure the unit is not in Standby mode.

Check that source component is properly connected.

Check that your speakers are properly connected.

Ensure correct cartridge type has been selected (MM or MC).

THERE IS NO SOUND ON ONE CHANNEL

Check speaker connections.

Check interconnects.

THERE IS A LOUD BUZZ OR HUM

Check turntable or tone arm for ground and connection lead fault.

Ensure no interconnects are loose or defective.

Ensure that your turntable is not too close to the amplifier.

THERE IS WEAK BASS OR DIFFUSED STEREO IMAGING

Ensure that speakers are not wired out of phase.

VOLUME IS TOO LOUD/QUIET

Check cartridge type matches input type. If a MC cartridge is connected through the MM inputs, volume will be very quiet (and vice versa). Note that it is possible to obtain high level MC cartridges which are designed for an MM input.

Technical specifications

	SOLO	DUO		
Max Power Consumption	10W	10W		
Standby Consumption	<0.5W	<0.5W		
Mains Inlet Voltage	100-240V AC	100-240V AC		
			MM Input	MC Input
Gain @ 1kHz	39dB		39dB	60dB
Nominal Output	300mV	300mV		
Sensitivity for Nominal Output	3.35mV		3.35mV	305uV
Equivalent Input Noise (A-Weighted)	~0.09uV		~0.09uV	~0.08uV
RIAA Curve Accuracy	+/- 0.65dB 30Hz-20kHz	+/- 0.3dB 30Hz-50kHz		
Signal to Noise Ratio Grounded Inputs ref. 1V output (20Hz-20kHz BW)	>90dB		>90dB	>70dB
THD+N 1kHz (20-20kHz BW)	<0.0025%		<0.0025%	<0.020%
Input Impedance	47k Ohm		47k Ohm	100 Ohm
Input Capacitance	100pF	100pF		
Overload Margin	>30dB	>30dB		
Crosstalk @ 20kHz	>85dB		>85dB	>75dB
Subsonic Filter Characteristics	-3dB @ 15Hz 12dB/Octave	-3dB @ 12Hz 6dB/Octave		
Dimensions (HxWxD)	48 x 176 x 132 mm (1.9 x 6.9 x 5.2")	48 x 215 x 159 mm (1.9 x 8.5 x 6.2")		
Weight	1.5lbs/0.68kg	2.1lbs/0.95kg		

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