



THE SOUND OF SUPERIOR QUALITY

8, Derwent Business Centre, Clarke Street, Derby DE1 2BU, UK. Tel +44 (0)1332 342233. Fax +44 (0)1332 342373
www.blackrhodium.co.uk info@blackrhodium.co.uk

Black Rhodium Introduces a new DCT++CS 110 Ohm Balanced Interconnect Cable

ARIA DCT++CS

	
Aria DCT++CS with GN-4R DCT++ and Crystal Sound Treated Rhodium Plated RCA connectors	ARIA DCT++CS with DCT++ and Crystal Sound Treated Rhodium Plated XLR connectors
Digital versions also available	

Black Rhodium announces the launch of ARIA stereo interconnect cable.

Advanced Cryogenic and Crystal Sound Processing for Superior, High Impact Sound.

ARIA DCT++ CS is treated with our advanced DCT++ cryogenic processing treatment. This involves temperature processing above and below room temperature. The DCT++ process alters the molecular structure of the cable to improve uniformity. The benefits of this are everlasting and bring an improvement to every single aspect of the cables performance.

In addition to DCT++ **ARIA DCT++ CS** is also treated with the Crystal Sound Process. The Crystal Sound process, which is applied to the cable following the completed DCT++ process, refocuses the outermost skin of the conductor. The result is that the surface of the conductor is more closely packed and regular, and has a continuity which aids conduction through removal of voids left by the drawing process.

The main benefits of the Crystal Sound process are that bass notes sound more powerful and refined (you will notice a smaller cable can give the same performance as a much larger cable) and other notes will have greater clarity in their sound.

110 Ohm AES/EBU specified impedance for optimum transmission of balanced digital cables via XLR

ARIA DCT++CS is manufactured to an exacting 110 ohm specification to make **ARIA** an ideal cable for balanced digital applications using XLR connectors. This specification also delivers much improved sound quality on semi-balanced RCA terminations compared with traditionally designed interconnects.

Low Transient Phase Distortion through Innovative Design.

ARIA DCT+ +CS give a very clear diction of a singer's voice and separates musical instruments superbly through a dramatic reduction of 'Transient Phase Distortion'.

'Transient Phase Distortion' is reduced by using thicker insulation than is usual in interconnect cables, increasing the distance between conductors. This reduces the magnetic field seen in each conductor wire as a result of the magnetic field created by the current in the other conductor wire. The benefit in listening is a clearer and more open sound quality.

Low Microphony design delivers superior musical dynamics

ARIA DCT+ +CS employs a special conductive low microphony layer that reduces the tribo-electric effects that occurs when friction between the screen and the insulation creates an electrical charge. By separating the screen and insulation by a special conductive layer, the charge is quickly dissipated. This prevents microphonic noise voltages between the screen and conductor being generated. Such noise could modulate the sensitive electrical signal used to create music through the speakers and create our of phase distortion that is easily audible. By eliminating this form of distortion, the music becomes clearer and more dynamic, with greater ambience and experience of the music's emotional qualities.

Anti RFI / EMI Technology to Reduce Distortion.

ARIA DCT+ +CS is covered in a tightly braided screen to protect the inner cores from picking up radio frequency interference (RFI). Further screening is provided by the conductive 'low microphony' layers and by twisting the cores. The screen is connected at only end only to prevent 'loop aerials' between equipment picking up noise. An untwisted cable has a large surface area that can more easily pick up RFI/EMI signals generated from Radio, Wifi, Mobile Phones and even central heating systems.

Complementary filtering techniques are additionally applied to ensure that any interference that does penetrate the cable's very effective defences is effectively neutralised preventing audible distortion interfering with the music.

All these treatments are designed to reduce the amount of audible distortion in the cable, allowing cleaner, clearer sounds to be enjoyed from your equipment.

Advanced Manufacturing Techniques to Reduce Noise.

ARIA DCT+ +CS uses two silver plated copper cores for positive and negative signal flows. These are connected in opposite directions. Our listening tests have shown when connected this way the noise floor between the musical notes lowers. This gives 'blacker' silences in the interval between musical notes and enhances reproduction of the musical edges and natural decays in music.

PTFE insulation is used because its low dielectric loss ensures extremely low distortion due to dielectric absorption effects in which sound energy is absorbed in the insulation and released at a later interval of time to create highly audible time-smearing distortion.

High End Rhodium Plated Connectors – A Cable Is Only Good When All The Parts Are The Very Best Around!

ARIA DCT++CS is terminated with ultra-high quality Rhodium Plated plugs. The RCA version is terminated with specially designed Graham Nalty Legacy Range GN-4 RCA connectors. These have been specially manufactured to ensure that Black Rhodium cables deliver the very best sound quality possible. The XLR connectors are the new Black Rhodium XLR connectors designed especially for use in Black Rhodium cables.

Rhodium plating is applied to the plugs to ensure a cleaner and less corroded contact is maintained between the plug and socket. The benefit of rhodium plating over gold plating is a much livelier and more exciting sound from the music.

Vibration Stabiliser cuts Distortion from Mechanical Vibration

ARIA DCT++CS is fitted with two GRAHAM NALTY LEGACY RANGE VS-2 Vibration Stabilisers. The Vibration Stabiliser has been specially designed to reduce audible cable distortion in cables by limiting the effects of vibrations travelling through the conductor wires which can cause audible distortion to your music. Mechanical vibration within audio cables changes the electrical characteristics of the cable seen by the sensitive electrical voltages that carry the music signal. The effect of these changes in electrical characteristics is to modulate the sound signal and create the intermodulation effects that we hear as noise and distortion in the music. By applying Vibration Stabilisers at both ends of the cable, mechanical vibration introduced at either end of the cable is very effectively reduced.

The benefits of a tighter sound of the VS-2 are enjoyed in all types of music, but in particular plucked strings such as double basses and harps are reproduced in a much sharper presentation, and massed voices in a choir sound more like a choir of individual voices.

Specification of Black Rhodium **ARIA DCT++CS** stereo interconnect cable

- Cryogenically treated conductors with additional Crystal Sound technology
- Insulated in PTFE for low dielectric absorption and clearer sound
- Low microphony layer to increase musical dynamics
- Tightly braided screen to reduce RFI noise and distortion
- All terminals rhodium plated for long term reliability and resistance to corrosion
- All terminals cryogenically treated with additional Crystal Sound technology
- Attractive black outer braid
- Cables can be supplied with either RCA or XLR connectors
- Capacitance of RCA terminated 1m cable 106pF
- Capacitance of XLR terminated 1m cable (Positive to negative) 53pF
- Vibration Stabiliser weights 2 x 85 g per cable