AR Sound Green 1 XLR:

XLR (female to male) balanced interconnect pair

The AR Sound GREEN 1 XLR delivers remarkable sound quality with balanced connected equipment.

- The aerospace grade cable used to make the AR Sound GREEN 1 XLR interconnect has been expertly selected to achieve the highest possible standards.
- Hi performance, professional balanced interconnect at an affordable price.

Background

For a several years I searched for a suitable Hi-End interconnect cable which allow the delivery of the delicate signal from the source to the preamplifier, without altering the sound by adding or subtracting any part of the frequency range– something that most interconnects fail to do.

Following a research that included materials testing and an extensive listening tests to different configurations, I finally chose a group of cables specification that are normally used in the aerospace industries. These particularly cables sounded best and and also have a superb durability that enable to maintain their sonic aspects for many years.

The first ***AR Sound*** interconnect product was the **GREEN 1** source lead. The **GREEN 1** interconnect offer a grate sonic qualities at an affordable price without sacrificing the quality of the materials used in this interconnect. The **GREEN 1** is the basic source interconnect AR Sound is offering.

Technology

The cable used to compose this special interconnect has been carefully selected from many top quality being used in the Aerospace industries.

The **AR Sound** **Green XLR** use a low capacitance wire (115pF/meter). Low capacitance is an important factor in selecting a proper interconnect.

The **Green XLR** cable contains two 22 AWG copper alloy balanced twisted pair wires with Teflon™ (PTFE) insulation and fully screened. (One Green cable for each channel. close up picture showing one of the two wires used for a single channel:)

The main pair of conductors in each **Green XLR** cable twisted to further enhance RF rejection of the cable. first barrier avoiding RF noise from penetrating into the cable is the Silver plated OFC copper screen and the secondary treatment is the twisting of the internal pair.

The main pair of twisted conductors in each **Green XLR** cable is made of a special, aerospace grade copper alloy carefully selected after extensive listening tests for its superb sonic qualities and durability. the copper alloy wire comprises a silver content which allows for better bonding to the silver solder used to make this superb interconnect.

The interconnect insulation is made of **Teflon**™ (PTFE), PTFE is the best insulation material used in the cables industry which has the lowest dielectric absorption.

Using Teflon™ (PTFE) as insulation is a prime consideration in Hi-End interconnects. Teflon maintains a low capacitance and very high resistance between the internal leads which keeps interaction between channels to minimum.

The low dielectric absorption of Teflon allow locating the main conductors in the **Green XLR** cable in very tight configuration- which renders the **Green XLR** very high bandwidth cable while maintaining a low capacitance. Yet another benefit is that Teflon also bonds very tightly to the metal conductors and prevents oxidation of the metal over the years. It is only the high cost of Teflon (PTFE) cables which leads manufactures to choose inferior plastics, such as PVC, as insulation.

Usually Teflon wires tend to have relatively long "Burn in" period, so it takes about 120 hours for the cable to sound at it best.

Teflon is also highly durable- actually you can put the **AR Sound** **Green XLR** in the oven at 180 Celsius degrees and nothing will happens to the lead! - except to the rubber gourmet of the XLR connector.

The **GREEN XLR** is a **light weight** interconnect. While many manufacturers tend to sleeve their interconnects with a lot of rubber outside the conductors to keep its look more impressive, this cable's outside diameter is only 3.5mm but the signal conductors are 21AWG -0.72 mm diameter of copper alloy.

The **Neutrik XLR connectors** contacts are made of gold plated brass and this ensures a superb connection point without pin oxidation over time. The Neutrik XLR connectors have been proved for many years and had established their reputation for robust and reliable performance.

Directionality mark is added at the source side with the logo "***AR Sound*** **Green XLR**"

Sound Quality

The first thing you will notice is details you have missed before... It's like a curtain from the music that has removed.

The musical detailing flows effortlessly, in a natural manner, without any emphasis on any part of the audio frequency spectrum.

The bass region is clean, very fast and solid, free from distortion or time smears.

Superb sounding midrange frequencies - crisp detailed "sweet" vocals enable the listener to hear the singer's words easily.

High frequencies are rendered crystal clear, natural and glare free, while Brass instruments sounds become devoid of the harsh metallic sound common in many other interconnects.

Technical specifications:

75/100/120 Centimetres of aerospace grade cable with shielded twisted pair balanced stereo pair cables, each main conductor contains 19 conductors of 34AWG silvered copper alloy stranded cable. (total of 0.75 mm (1/32") diameter of copper-silver alloy pair conductors (21-22 AWG)) per each channel.

Primary conductors Insulation: 1/16" PTFE.

Shield: silver plated OFC copper. (92% converge)

Resistance: 48 milliohms/meter (14.6 milliohms/feet).

Capacitance: 112 pf/meter (Hot to screen).

Outside Diameter (nominal): 4 mm

External Jacket: FEP

External colour: Semi-transparent light green.